Figure S1. Maximum likelihood phylogeny of patient VBP2. Maximum likelihood tree with tips colored by (A) anatomical origin of the sequence, either PBMCs or plasma, or (B) by timepoint in days post first STI as shown in figure legend. Statistical support for clades is shown at nodes based on ultra-fast bootstrap values (> 90) by black circles.
Figure S2. Maximum likelihood phylogeny of patient PCG3. Maximum likelihood tree with tips colored by (A) anatomical origin of the sequence, either PBMCs or plasma, or (B) by timepoint in days post first STI as shown in figure legend. Statistical support for clades is shown at nodes based on ultra-fast bootstrap values (> 90) by black circles.
Figure S3. Maximum likelihood phylogeny of patient SDS4. Maximum likelihood tree with tips colored by (A) anatomical origin of the sequence, either PBMCs or plasma, or (B) by timepoint in days post first STI.
days post first STI as shown in figure legend. Statistical support for clades is shown at nodes based on ultra-fast bootstrap values (> 90) by black circles.

**Figure S4. Maximum likelihood phylogeny of patient JOR10.** Maximum likelihood tree with tips colored by (A) anatomical origin of the sequence, either PBMCs or plasma, or (B) by timepoint in days post first STI as shown in figure legend. Statistical support for clades is shown at nodes based on ultra-fast bootstrap values (> 90) by black circles.
Figure S5. Phylogenetic signal in reduced datasets of VBP2, PCG3 and SDS4, and full dataset of JOR10. Likelihood mapping assesses the amount of phylogenetic noise in alignments, and if there is enough signal for phylogenetic inference. Values in the center of the triangle indicate the amount of completely unresolved quartets, while the sum of the values in the corners indicates the percentage of fully resolved quartets. Most alignments show strong signal, with very low percentage of unresolved quartets (percentage in the center of the triangle).
| Patient | Timepoint | day from first STI | Sample | Viral Load | PCR 1st run |
|---------|-----------|--------------------|--------|------------|-------------|
| VBP2    | 11        | 23                 | Plasma | 9507       | -           |
| VBP2    | 30        | 138                | Plasma | 51100      | +           |
| VBP2    | 53        | 299                | Plasma | 50600      | +           |
| VBP2    | 72        | 490                | Plasma | 952        | -           |
| VBP2    | 72        | 490                | PBMC   |            | +           |
| VBP2    | 73        | 492                | Plasma | 4840       | -           |
| VBP2    | 91        | 672                | Plasma | 63000      | +           |
| PCG3    | 9         | 19                 | Plasma | 3030       | -           |
| PCG3    | 27        | 126                | Plasma | 22500      | +           |
| PCG3    | 50        | 282                | Plasma | 1210       | -           |
| PCG3    | 50        | 282                | PBMC   |            | +           |
| PCG3    | 55        | 294                | Plasma | 8000       | +           |
| PCG3    | 75        | 483                | Plasma | 1560       | -           |
| PCG3    | 75        | 483                | PBMC   |            | +           |
| PCG3    | 79        | 492                | Plasma | 10300      | +           |
| PCG3    | 91        | 621                | Plasma | 59500      | -           |
| PCG3    | 92        | 625                | PBMC   |            | +           |
| PCG3    | 92        | 625                | Plasma | 38500      | +           |
| SDS4    | pre-CART  | pre-CART           | Plasma |            | +           |
| SDS4    | 5         | 9                  | PBMC   |            | +           |
| SDS4    | 5         | 9                  | Plasma | 2290       | -           |
| SDS4    | 7         | 14                 | Plasma | 23441      | +           |
| SDS4    | 8         | 16                 | Plasma | 25010      | +           |
| SDS4    | 24        | 124                | Plasma | 2440       | +           |
| SDS4    | 27        | 131                | Plasma | 12400      | +           |
| SDS4    | 44        | 279                | Plasma | 4780       | -           |
| SDS4    | 45        | 282                | PBMC   |            | +           |
| SDS4    | 45        | 282                | Plasma | 26800      | +           |
| SDS4    | 46        | 286                | Plasma | 70000      | +           |
| SDS4    | 63        | 489                | PBMC   |            | +           |
| SDS4    | 63        | 489                | Plasma | 1470       | +           |
| SDS4    | 67        | 504                | Plasma | 26700      | +           |
| CGD5    | 11        | 11                 | Plasma | 3600       | -           |
| CGD5    | 25        | 25                 | Plasma | 2450       | -           |
| CGD5    | 49        | 49                 | Plasma | 1970       | -           |
| CGD5    | 70        | 70                 | Plasma | 1060       | -           |
| CGD5    | 70        | 70                 | PBMC   |            | +           |
| CGD5    | 71        | 71                 | Plasma | 2410       | -           |
| Sample  | Time1 | Time2 | Sample Type | Quantity | Result |
|---------|-------|-------|-------------|----------|--------|
| CGD5    | 90    | 90    | Plasma      | 17600    | +      |
| CGD5    | 91    | 91    | PBMC        |          | +      |
| CGD5    | 91    | 91    | Plasma      | 13600    | +      |
| EHD6    | 14    | 14    | Plasma      | 3840     | -      |
| EHD6    | 29    | 29    | Plasma      | 1040     | -      |
| EHD6    | 89    | 89    | Plasma      | 956      | -      |
| EHD6    | 90    | 90    | Plasma      | 35500    | +      |
| EHD6    |       |       | pre-CART    |          | +      |
| SMR7    | 15    | 15    | Plasma      | 2110     | -      |
| SMR7    | 34    | 34    | Plasma      | 3950     | -      |
| SMR7    | 57    | 57    | Plasma      | 1410     | -      |
| SMR7    | 58    | 58    | Plasma      | 50       | -      |
| SMR7    | 58    | 58    | PBMC        |          | +      |
| SMR7    | 78    | 78    | Plasma      | 1210     | -      |
| SMR7    | 94    | 94    | Plasma      | 974      | -      |
| SMR7    | 94    | 94    | PBMC        |          | +      |
| SMR7    | 99    | 99    | Plasma      | 710      | +      |
| MMG8    | 8     | 8     | Plasma      | 11028    | +      |
| MMG8    | 10    | 10    | PBMC        |          | +      |
| MMG8    | 10    | 10    | Plasma      | 246000   | +      |
| MMG8    | 23    | 23    | Plasma      | 59900    | +      |
| MMG8    | 47    | 47    | Plasma      | 38300    | -      |
| MMG8    | 71    | 71    | Plasma      | 15500    | -      |
| MMG8    | 71    | 71    | PBMC        |          | +      |
| MMG8    | 72    | 72    | Plasma      | 11500    | -      |
| JOR10   | 14    | 33    | PBMC        |          | +      |
| JOR10   | 14    | 33    | Plasma      | 1170     | +      |
| JOR10   | 26    | 124   | Plasma      | 4780     | -      |
| JOR10   | 54    | 299   | Plasma      | 2210     | +      |
| JOR10   | 80    | 511   | Plasma      | 3840     | -      |
| JOR10   | 94    | 622   | PBMC        |          | -      |
| JOR10   | 94    | 622   | Plasma      | 3930     | -      |
| JOR10   | 97    | 642   | Plasma      | 86500    | +      |
| NTU12   | 31    | 31    | Plasma      | 7540     | +      |
| NTU12   | 59    | 59    | Plasma      | 10600    | -      |
| NTU12   | 77    | 77    | Plasma      | 6730     | -      |
| NTU12   | 87    | 87    | PBMC        |          | +      |
| NTU12   | 87    | 87    | Plasma      | 838      | -      |
| NTU12   | 95    | 95    | Plasma      | 260000   | +      |
NS = not sequenced
| HIV match > 150 bp (1st run) | PCR 2nd run | HIV match > 150 bp (2nd run) |
|-------------------------------|------------|-------------------------------|
| -                             | -          | -                             |
| +                             | +          |                              |
| +                             |            |                              |
| -                             | -          | -                             |
| +                             | +          |                              |
| -                             | -          | -                             |
| +                             |            |                              |
| +                             |            |                              |
| -                             | -          | -                             |
| +                             | +          |                              |
| +                             |            |                              |
| -                             | -          | -                             |
| +                             |            |                              |
| +                             |            |                              |
| -                             | -          | -                             |
| +                             | +          |                              |
| +                             |            |                              |
| -                             | -          | -                             |
| +                             |            |                              |
| +                             |            |                              |
| NS                            | NS         | NS                            |
| NS                            | NS         | NS                            |
| NS                            | NS         | NS                            |
| NS                            | NS         | NS                            |
| NS                            | NS         | NS                            |
| +                             | NS         | NS                            |
| -                             | NS         | NS                            |
**Table S1.** Breakdown by patient of the PCR amplification success and viral load per timepoint.

**Table S2.** Raw reads, percent of stitched reads, percent of HIV reads, and number of HIV plasma haplotypes and PBMCs sequences for the first Illumina run.

| Pt    | Sample   | Timepoint (d) | Reads   | HIV reads | % HIV reads | HIV plasma haplotypes and PBMCs sequences |
|-------|----------|---------------|---------|-----------|-------------|-------------------------------------------|
| VBP2  | PBMCs    | 490           | 225,001 | 46        | 0.02        | 6                                         |
| VBP2  | plasma   | 138           | 243,481 | 21        | 0.009       | 4                                         |
| VBP2  | plasma   | 299           | 176,224 | 22        | 0.01        | 4                                         |
| VBP2  | plasma   | 672           | 222,727 | 102       | 0.04        | 18                                        |
| PCG3  | PBMCs    | 282           | 127,318 | 33,279    | 26.13       | 370                                       |
| PCG3  | plasma   | 126           | 223,555 | 19        | 0.008       | 3                                         |
| PCG3  | plasma   | 294           | 196,390 | 88        | 0.04        | 16                                        |
| PCG3  | plasma   | 492           | 189,288 | 45        | 0.02        | 8                                         |
| PCG3  | plasma   | 652           | 243,206 | 16        | 0.007       | 3                                         |
| SDS4  | PBMCs    | 9             | 196,389 | 88        | 0.04        | 2                                         |
| SDS4  | PBMCs    | 282           | 282,806 | 1,921     | 0.67        | 11                                        |
| SDS4  | PBMCs    | 489           | 259,302 | 17        | 0.00        | 1                                         |
| SDS4  | plasma   | pre-cART      | 215,800 | 32        | 0.01        | 6                                         |
| SDS4  | plasma   | 9             | 163,809 | 12        | 0.007       | 2                                         |
| SDS4  | plasma   | 124           | 329,539 | 5         | 0.002       | 1                                         |
| SDS4  | plasma   | 131           | 190,186 | 147       | 0.07        | 24                                        |
| SDS4  | plasma   | 504           | 276,643 | 10        | 0.004       | 3                                         |
| JOR10 | PBMCs    | 33            | 286,210 | 94        | 0.03        | 7                                         |
| JOR10 | plasma   | 33            | 259,216 | 67        | 0.02        | 11                                        |
| JOR10 | plasma   | 622           | 223,924 | 46        | 0.02        | 7                                         |

Pt: patient; d: days post first STI.
Table S3. Raw reads, percent of stitched reads, percent of HIV reads, and number of HIV plasma haplotypes and PBMCs sequences for the second Illumina run.

| Pt       | Sample | Timepoint (d) | Reads    | Stitched reads | % Stitched reads | HIV reads | % HIV reads | HIV plasma haplotypes and PBMCs sequences |
|----------|--------|---------------|----------|----------------|------------------|-----------|-------------|------------------------------------------|
| VBP2     | plasma | 138           | 24,826   | 1,457          | 5.90%            | 1,010     | 69.3        | 11                                       |
| VBP2     | plasma | 299           | 103,981  | 54,132         | 52.10%           | 48,172    | 88.98       | 210                                      |
| VBP2     | plasma | 672           | 30,797   | 12,118         | 39.30%           | 9,155     | 75.54       | 47                                       |
| PCG3     | PBMCs  | 282           | 1,946,864| 1,838          | 0.10%            | 20        | 1.08        | 1                                        |
| PCG3     | PBMCs  | 625           | 939,356  | 35             | 0.00%            | 35        | 100         | 1                                        |
| PCG3     | plasma | 19            | 190,114  | 119,477        | 62.80%           | 104,813   | 87.72       | 338                                      |
| PCG3     | plasma | 294           | 121,750  | 59,371         | 48.80%           | 53,859    | 90.71       | 238                                      |
| SDS4     | PBMCs  | 9             | 1,628,995| 1,506          | 0.10%            | 35        | 2.32        | 1                                        |
| SDS4     | PBMCs  | 489           | 1,221,456| 705            | 0.10%            | 31        | 4.39        | 1                                        |
| SDS4     | plasma | pre-cART      | 816,210  | 632,970        | 77.50%           | 183,496   | 28.98       | 1,440                                    |
| SDS4     | plasma | 9             | 101,064  | 54,609         | 54.00%           | 49,617    | 90.85       | 191                                      |
| SDS4     | plasma | 14            | 208,306  | 121,266        | 58.20%           | 102,338   | 84.39       | 422                                      |
| SDS4     | plasma | 16            | 159,992  | 97,653         | 61.00%           | 77,253    | 79.10       | 467                                      |
| SDS4     | plasma | 124           | 578,179  | 384,094        | 66.40%           | 43,350    | 11.28       | 723                                      |
| SDS4     | plasma | 131           | 504,635  | 377,211        | 74.70%           | 40,993    | 10.86       | 730                                      |
| SDS4     | plasma | 282           | 1,990,178| 1,535,08       | 77.10%           | 650,537   | 42.38       | 3,811                                    |
| SDS4     | plasma | 286           | 546,463  | 397,475        | 72.70%           | 250,048   | 62.90       | 1,337                                    |
| SDS4     | plasma | 504           | 3,242,061| 2,581,79       | 79.60%           | 597,777   | 23.15       | 2,838                                    |
| JOR1 0   | PBMCs  | 33            | 2,135,818| 950            | 0.00%            | 32        | 3.36        | 2                                        |
| JOR1 0   | plasma | 622           | 41,182   | 11,046         | 26.80%           | 9,114     | 82.50       | 21                                       |

Pt: patient; d: days post first STI.
| haplotype                  | number of reads | timepoint |
|---------------------------|-----------------|-----------|
| VBP-V3-plasma-53_Cluster_1_sequences=42002 | 42002          | 299       |
| VBP-V3-plasma-91_Cluster_0_sequences=5025      | 5025           | 672       |
| VBP-V3-plasma-91_Cluster_1287_sequences=2582  | 2582           | 672       |
| VBP-V3-plasma-53_Cluster_87_sequences=515     | 515            | 299       |
| VBP-V3-plasma-53_Cluster_42_sequences=463     | 463            | 299       |
| VBP-V3-plasma-30_Cluster_3_sequences=290      | 290            | 138       |
| VBP-V3-plasma-91_Cluster_5_sequences=256      | 256            | 672       |
| VBP-V3-plasma-30_Cluster_5_sequences=225      | 225            | 138       |
| VBP-V3-plasma-30_Cluster_2_sequences=187      | 187            | 138       |
| VBP-V3-plasma-53_Cluster_39_sequences=174     | 174            | 299       |
| VBP-V3-plasma-30_Cluster_8_sequences=165      | 165            | 138       |
| VBP-V3-plasma-53_Cluster_36_sequences=157     | 157            | 299       |
| VBP-V3-plasma-53_Cluster_115_sequences=127    | 127            | 299       |
| VBP-V3-plasma-53_Cluster_96_sequences=115     | 115            | 299       |
| VBP-V3-plasma-91_Cluster_56_sequences=111     | 111            | 672       |
| VBP-V3-plasma-53_Cluster_27_sequences=106     | 106            | 299       |
| VBP-V3-plasma-53_Cluster_89_sequences=101     | 101            | 299       |
| VBP-V3-plasma-53_Cluster_143_sequences=99     | 99             | 299       |
| VBP-V3-plasma-91_Cluster_1300_sequences=98    | 98             | 672       |
| VBP-V3-plasma-53_Cluster_45_sequences=97      | 97             | 299       |
| VBP-V3-plasma-53_Cluster_86_sequences=92      | 92             | 299       |
| VBP-V3-plasma-53_Cluster_59_sequences=89      | 89             | 299       |
| VBP-V3-plasma-53_Cluster_213_sequences=81     | 81             | 299       |
| VBP-V3-plasma-53_Cluster_163_sequences=79     | 79             | 299       |
| VBP-V3-plasma-53_Cluster_263_sequences=75     | 75             | 299       |
| VBP-V3-plasma-53_Cluster_54_sequences=68      | 68             | 299       |
| VBP-V3-plasma-91_Cluster_1296_sequences=60    | 60             | 672       |
| VBP-V3-plasma-53_Cluster_76_sequences=60      | 60             | 299       |
| VBP-V3-plasma-91_Cluster_72_sequences=59      | 59             | 672       |
| VBP-V3-plasma-53_Cluster_14_sequences=59      | 59             | 299       |
| VBP-V3-plasma-53_Cluster_33_sequences=59      | 59             | 299       |
| VBP-V3-plasma-53_Cluster_90_sequences=58      | 58             | 299       |
| VBP-V3-plasma-91_Cluster_2_sequences=57       | 57             | 672       |
| VBP-V3-plasma-91_Cluster_41_sequences=55      | 55             | 672       |
| VBP-V3-plasma-91_Cluster_92_sequences=55      | 55             | 672       |
| VBP-V3-plasma-53_Cluster_50_sequences=54      | 54             | 299       |
| VBP-V3-plasma-91_Cluster_1317_sequences=52    | 52             | 672       |
| VBP-V3-plasma-53_Cluster_239_sequences=51     | 51             | 299       |
| VBP-V3-plasma-53_Cluster_303_sequences=50     | 50             | 299       |
| VBP-V3-plasma-30_Cluster_42_sequences=48      | 48             | 138       |
| VBP-V3-plasma-91_Cluster_184_sequences=48     | 48             | 672       |
| VBP-V3-plasma-91_Cluster_1295_sequences=48    | 48             | 672       |
| VBP-V3-plasma-53_Cluster_740_sequences=48     | 48             | 299       |
| Cluster Name                        | Sequences | Length |
|------------------------------------|-----------|--------|
| VBP-V3-plasma-91_Cluster_1321      | 46        | 672    |
| VBP-V3-plasma-53_Cluster_189       | 43        | 299    |
| VBP-V3-plasma-53_Cluster_214       | 42        | 299    |
| VBP-V3-plasma-53_Cluster_48        | 42        | 299    |
| VBP-V3-plasma-53_Cluster_2648      | 40        | 299    |
| VBP-V3-plasma-91_Cluster_13        | 39        | 672    |
| VBP-V3-plasma-91_Cluster_1311      | 39        | 672    |
| VBP-V3-plasma-53_Cluster_52        | 39        | 299    |
| VBP-V3-plasma-53_Cluster_106       | 38        | 299    |
| VBP-V3-plasma-53_Cluster_257       | 38        | 299    |
| VBP-V3-plasma-53_Cluster_159       | 35        | 299    |
| VBP-V3-plasma-53_Cluster_358       | 35        | 299    |
| VBP-V3-plasma-53_Cluster_44        | 34        | 299    |
| VBP-V3-plasma-53_Cluster_174       | 34        | 299    |
| VBP-V3-plasma-91_Cluster_1         | 33        | 672    |
| VBP-V3-plasma-53_Cluster_181       | 33        | 299    |
| VBP-V3-plasma-53_Cluster_388       | 31        | 299    |
| VBP-V3-plasma-53_Cluster_295       | 30        | 299    |
| VBP-V3-plasma-53_Cluster_57        | 30        | 299    |
| VBP-V3-plasma-53_Cluster_78        | 30        | 299    |
| VBP-V3-plasma-30_Cluster_6          | 29        | 138    |
| VBP-V3-plasma-91_Cluster_38        | 29        | 672    |
| VBP-V3-plasma-91_Cluster_1291      | 29        | 672    |
| VBP-V3-plasma-53_Cluster_408       | 29        | 299    |
| VBP-V3-plasma-53_Cluster_1996      | 29        | 299    |
| VBP-V3-plasma-53_Cluster_161       | 28        | 299    |
| VBP-V3-plasma-53_Cluster_519       | 27        | 299    |
| VBP-V3-plasma-53_Cluster_99        | 27        | 299    |
| VBP-V3-plasma-53_Cluster_194       | 26        | 299    |
| VBP-V3-plasma-53_Cluster_46        | 26        | 299    |
| VBP-V3-plasma-91_Cluster_1447      | 25        | 672    |
| VBP-V3-plasma-53_Cluster_148       | 25        | 299    |
| VBP-V3-plasma-53_Cluster_270       | 25        | 299    |
| VBP-V3-plasma-53_Cluster_317       | 25        | 299    |
| VBP-V3-plasma-53_Cluster_494       | 25        | 299    |
| VBP-V3-plasma-53_Cluster_721       | 25        | 299    |
| VBP-V3-plasma-53_Cluster_13        | 25        | 299    |
| VBP-V3-plasma-53_Cluster_18        | 25        | 299    |
| VBP-V3-plasma-53_Cluster_196       | 25        | 299    |
| VBP-V3-plasma-53_Cluster_72        | 25        | 299    |
| VBP-V3-plasma-53_Cluster_357       | 24        | 299    |
| VBP-V3-plasma-53_Cluster_938       | 24        | 299    |
| VBP-V3-plasma-53_Cluster_658       | 24        | 299    |
| VBP-V3-plasma-53_Cluster_65        | 24        | 299    |
| VBP-V3-plasma-53_Cluster_229       | 24        | 299    |
| Sample ID                        | Cluster ID       | Number of Sequences |
|--------------------------------|------------------|---------------------|
| VBP-V3-plasma-91_Cluster_145   | 22               | 672                 |
| VBP-V3-plasma-91_Cluster_122   | 22               | 672                 |
| VBP-V3-plasma-53_Cluster_149   | 22               | 299                 |
| VBP-V3-plasma-53_Cluster_95    | 22               | 299                 |
| VBP-V3-plasma-53_Cluster_421   | 22               | 299                 |
| VBP-V3-plasma-53_Cluster_232   | 22               | 299                 |
| VBP-V3-plasma-53_Cluster_6     | 22               | 299                 |
| VBP-V3-plasma-53_Cluster_964   | 22               | 299                 |
| VBP-V3-plasma-91_Cluster_329   | 21               | 672                 |
| VBP-V3-plasma-91_Cluster_1303  | 21               | 672                 |
| VBP-V3-plasma-53_Cluster_68    | 21               | 299                 |
| VBP-V3-plasma-53_Cluster_69    | 21               | 299                 |
| VBP-V3-plasma-53_Cluster_141   | 21               | 299                 |
| VBP-V3-plasma-53_Cluster_699   | 21               | 299                 |
| VBP-V3-plasma-53_Cluster_288   | 21               | 299                 |
| VBP-V3-plasma-53_Cluster_751   | 21               | 299                 |
| VBP-V3-plasma-91_Cluster_8     | 20               | 672                 |
| VBP-V3-plasma-91_Cluster_1424  | 20               | 672                 |
| VBP-V3-plasma-91_Cluster_1290  | 20               | 672                 |
| VBP-V3-plasma-53_Cluster_55    | 20               | 299                 |
| VBP-V3-plasma-53_Cluster_633   | 20               | 299                 |
| VBP-V3-plasma-53_Cluster_302   | 20               | 299                 |
| VBP-V3-plasma-53_Cluster_383   | 20               | 299                 |
| VBP-V3-plasma-53_Cluster_125   | 20               | 299                 |
| VBP-V3-plasma-53_Cluster_195   | 20               | 299                 |
| VBP-V3-plasma-53_Cluster_268   | 20               | 299                 |
| VBP-V3-plasma-53_Cluster_536   | 20               | 299                 |
| VBP-V3-plasma-53_Cluster_472   | 20               | 299                 |
| VBP-V3-plasma-30_Cluster_296   | 19               | 138                 |
| VBP-V3-plasma-91_Cluster_62    | 19               | 672                 |
| VBP-V3-plasma-53_Cluster_184   | 19               | 299                 |
| VBP-V3-plasma-53_Cluster_443   | 19               | 299                 |
| VBP-V3-plasma-53_Cluster_616   | 19               | 299                 |
| VBP-V3-plasma-53_Cluster_730   | 19               | 299                 |
| VBP-V3-plasma-53_Cluster_158   | 19               | 299                 |
| VBP-V3-plasma-53_Cluster_207   | 18               | 299                 |
| VBP-V3-plasma-53_Cluster_667   | 18               | 299                 |
| VBP-V3-plasma-53_Cluster_142   | 18               | 299                 |
| VBP-V3-plasma-53_Cluster_1047  | 18               | 299                 |
| VBP-V3-plasma-53_Cluster_53    | 18               | 299                 |
| VBP-V3-plasma-53_Cluster_564   | 18               | 299                 |
| VBP-V3-plasma-53_Cluster_754   | 18               | 299                 |
| VBP-V3-plasma-91_Cluster_20    | 17               | 672                 |
| VBP-V3-plasma-53_Cluster_126   | 17               | 299                 |
| VBP-V3-plasma-53_Cluster_398   | 17               | 299                 |
| Cluster Name | Sequences |
|-------------|-----------|
| VBP-V3-plasma-53_Cluster_511_sequences=17 | 17 | 299 |
| VBP-V3-plasma-53_Cluster_56_sequences=17 | 17 | 299 |
| VBP-V3-plasma-53_Cluster_130_sequences=17 | 17 | 299 |
| VBP-V3-plasma-53_Cluster_344_sequences=17 | 17 | 299 |
| VBP-V3-plasma-53_Cluster_243_sequences=17 | 17 | 299 |
| VBP-V3-plasma-53_Cluster_457_sequences=17 | 17 | 299 |
| VBP-V3-plasma-53_Cluster_103_sequences=17 | 17 | 299 |
| VBP-V3-plasma-53_Cluster_1053_sequences=17 | 17 | 299 |
| VBP-V3-plasma-53_Cluster_124_sequences=17 | 17 | 299 |
| VBP-V3-plasma-53_Cluster_92_sequences=17 | 17 | 299 |
| VBP-V3-plasma-91_Cluster_187_sequences=16 | 16 | 672 |
| VBP-V3-plasma-91_Cluster_251_sequences=16 | 16 | 672 |
| VBP-V3-plasma-53_Cluster_165_sequences=16 | 16 | 299 |
| VBP-V3-plasma-53_Cluster_25_sequences=16 | 16 | 299 |
| VBP-V3-plasma-53_Cluster_390_sequences=16 | 16 | 299 |
| VBP-V3-plasma-53_Cluster_3_sequences=16 | 16 | 299 |
| VBP-V3-plasma-53_Cluster_782_sequences=16 | 16 | 299 |
| VBP-V3-plasma-53_Cluster_277_sequences=16 | 16 | 299 |
| VBP-V3-plasma-53_Cluster_747_sequences=16 | 16 | 299 |
| VBP-V3-plasma-53_Cluster_300_sequences=16 | 16 | 299 |
| VBP-V3-plasma-53_Cluster_186_sequences=16 | 16 | 299 |
| VBP-V3-plasma-53_Cluster_198_sequences=16 | 16 | 299 |
| VBP-V3-plasma-53_Cluster_296_sequences=16 | 16 | 299 |
| VBP-V3-plasma-53_Cluster_741_sequences=16 | 16 | 299 |
| VBP-V3-plasma-91_Cluster_119_sequences=15 | 15 | 672 |
| VBP-V3-plasma-91_Cluster_1325_sequences=15 | 15 | 672 |
| VBP-V3-plasma-53_Cluster_1087_sequences=15 | 15 | 299 |
| VBP-V3-plasma-53_Cluster_154_sequences=15 | 15 | 299 |
| VBP-V3-plasma-53_Cluster_208_sequences=15 | 15 | 299 |
| VBP-V3-plasma-53_Cluster_719_sequences=15 | 15 | 299 |
| VBP-V3-plasma-53_Cluster_373_sequences=15 | 15 | 299 |
| VBP-V3-plasma-53_Cluster_825_sequences=15 | 15 | 299 |
| VBP-V3-plasma-53_Cluster_838_sequences=15 | 15 | 299 |
| VBP-V3-plasma-53_Cluster_271_sequences=15 | 15 | 299 |
| VBP-V3-plasma-53_Cluster_305_sequences=15 | 15 | 299 |
| VBP-V3-plasma-53_Cluster_375_sequences=15 | 15 | 299 |
| VBP-V3-plasma-91_Cluster_426_sequences=14 | 14 | 672 |
| VBP-V3-plasma-91_Cluster_81_sequences=14 | 14 | 672 |
| VBP-V3-plasma-91_Cluster_214_sequences=14 | 14 | 672 |
| VBP-V3-plasma-91_Cluster_285_sequences=14 | 14 | 672 |
| VBP-V3-plasma-53_Cluster_1396_sequences=14 | 14 | 299 |
| VBP-V3-plasma-53_Cluster_273_sequences=14 | 14 | 299 |
| VBP-V3-plasma-53_Cluster_30_sequences=14 | 14 | 299 |
| VBP-V3-plasma-53_Cluster_545_sequences=14 | 14 | 299 |
| VBP-V3-plasma-53_Cluster_745_sequences=14 | 14 | 299 |
| Cluster Name | Sequences | Length |
|--------------|-----------|--------|
| VBP-V3-plasma-53_Cluster_40_sequences | 14 | 299 |
| VBP-V3-plasma-53_Cluster_173_sequences | 14 | 299 |
| VBP-V3-plasma-53_Cluster_1121_sequences | 14 | 299 |
| VBP-V3-plasma-53_Cluster_1420_sequences | 14 | 299 |
| VBP-V3-plasma-53_Cluster_2066_sequences | 14 | 299 |
| VBP-V3-plasma-53_Cluster_586_sequences | 14 | 299 |
| VBP-V3-plasma-91_Cluster_18_sequences | 13 | 138 |
| VBP-V3-plasma-91_Cluster_118_sequences | 13 | 672 |
| VBP-V3-plasma-91_Cluster_2025_sequences | 13 | 672 |
| VBP-V3-plasma-53_Cluster_275_sequences | 13 | 299 |
| VBP-V3-plasma-53_Cluster_304_sequences | 13 | 299 |
| VBP-V3-plasma-53_Cluster_307_sequences | 13 | 299 |
| VBP-V3-plasma-53_Cluster_468_sequences | 13 | 299 |
| VBP-V3-plasma-53_Cluster_961_sequences | 13 | 299 |
| VBP-V3-plasma-53_Cluster_423_sequences | 13 | 299 |
| VBP-V3-plasma-53_Cluster_597_sequences | 13 | 299 |
| VBP-V3-plasma-53_Cluster_41_sequences | 12 | 299 |
| VBP-V3-PBMC-72_Cluster_431_sequences | 12 | 490 |
| VBP-V3-plasma-30_Cluster_64_sequences | 12 | 138 |
| VBP-V3-plasma-91_Cluster_1304_sequences | 12 | 672 |
| VBP-V3-plasma-53_Cluster_1020_sequences | 12 | 299 |
| VBP-V3-plasma-53_Cluster_1039_sequences | 12 | 299 |
| VBP-V3-plasma-53_Cluster_122_sequences | 12 | 299 |
| VBP-V3-plasma-53_Cluster_253_sequences | 12 | 299 |
| VBP-V3-plasma-53_Cluster_320_sequences | 12 | 299 |
| VBP-V3-plasma-53_Cluster_70_sequences | 12 | 299 |
| VBP-V3-plasma-53_Cluster_987_sequences | 12 | 299 |
| VBP-V3-plasma-53_Cluster_526_sequences | 12 | 299 |
| VBP-V3-plasma-53_Cluster_29_sequences | 12 | 299 |
| VBP-V3-plasma-53_Cluster_332_sequences | 12 | 299 |
| VBP-V3-plasma-53_Cluster_2079_sequences | 12 | 299 |
| VBP-V3-plasma-53_Cluster_669_sequences | 12 | 299 |
| VBP-V3-plasma-53_Cluster_1022_sequences | 12 | 299 |
| VBP-V3-plasma-53_Cluster_1543_sequences | 12 | 299 |
| VBP-V3-plasma-53_Cluster_168_sequences | 12 | 299 |
| VBP-V3-plasma-53_Cluster_315_sequences | 12 | 299 |
| VBP-V3-plasma-53_Cluster_481_sequences | 12 | 299 |
| VBP-V3-plasma-53_Cluster_618_sequences | 12 | 299 |
| VBP-V3-plasma-53_Cluster_648_sequences | 12 | 299 |
| VBP-V3-plasma-53_Cluster_706_sequences | 12 | 299 |
| VBP-V3-PBMC-72_Cluster_13_sequences | 11 | 490 |
| VBP-V3-plasma-30_Cluster_299_sequences | 11 | 138 |
| VBP-V3-plasma-91_Cluster_1460_sequences | 11 | 672 |
VBP-V3-PBMC-72_Cluster_8822_sequences=5

PCG-V3-plasma-9_Cluster_715_sequences=19
PCG-V3-plasma-9_Cluster_871_sequences=19
PCG-V3-plasma-9_Cluster_910_sequences=19
PCG-V3-plasma-9_Cluster_1176_sequences=19
PCG-V3-plasma-9_Cluster_334_sequences=19
PCG-V3-plasma-9_Cluster_499_sequences=19
PCG-V3-plasma-9_Cluster_1748_sequences=19
PCG-V3-plasma-55_Cluster_272_sequences=19
PCG-V3-plasma-55_Cluster_592_sequences=19
PCG-V3-plasma-55_Cluster_419_sequences=19
PCG-V3-plasma-55_Cluster_70_sequences=19
PCG-V3-PBMC-50_Cluster_4009_sequences=18
PCG-V3-PBMC-50_Cluster_1128_sequences=18
PCG-V3-PBMC-50_Cluster_4644_sequences=18
PCG-V3-PBMC-50_Cluster_5065_sequences=18
PCG-V3-PBMC-50_Cluster_1831_sequences=18
PCG-V3-PBMC-50_Cluster_2389_sequences=18
PCG-V3-PBMC-50_Cluster_2644_sequences=18
PCG-V3-PBMC-50_Cluster_303_sequences=18
PCG-V3-PBMC-50_Cluster_346_sequences=18
PCG-V3-PBMC-50_Cluster_3656_sequences=18
PCG-V3-PBMC-50_Cluster_3948_sequences=18
PCG-V3-plasma-9_Cluster_1338_sequences=18
PCG-V3-plasma-9_Cluster_330_sequences=18
PCG-V3-plasma-9_Cluster_3555_sequences=18
PCG-V3-plasma-9_Cluster_913_sequences=18
PCG-V3-plasma-9_Cluster_1099_sequences=18
PCG-V3-plasma-9_Cluster_1122_sequences=18
PCG-V3-plasma-9_Cluster_1172_sequences=18
PCG-V3-plasma-9_Cluster_135_sequences=18
PCG-V3-plasma-9_Cluster_2723_sequences=18
PCG-V3-plasma-9_Cluster_825_sequences=18
PCG-V3-plasma-9_Cluster_1796_sequences=18
PCG-V3-plasma-9_Cluster_156_sequences=18
PCG-V3-plasma-9_Cluster_794_sequences=18
PCG-V3-plasma-9_Cluster_965_sequences=18
PCG-V3-plasma-55_Cluster_149_sequences=18
PCG-V3-plasma-55_Cluster_552_sequences=18
PCG-V3-plasma-55_Cluster_947_sequences=18
PCG-V3-plasma-55_Cluster_21_sequences=18
PCG-V3-plasma-55_Cluster_100_sequences=18
PCG-V3-plasma-55_Cluster_34_sequences=18
PCG-V3-plasma-55_Cluster_357_sequences=18
| haplotype                          | number of reads | timepoint |
|-----------------------------------|-----------------|-----------|
| PCG-V3-plasma-9_Cluster_2_sequences=52292 | 52292          | 19        |
| PCG-V3-plasma-55_Cluster_0_sequences=48564   | 48564          | 294       |
| PCG-V3-PBMC-50_Cluster_2_sequences=28513    | 28513          | 282       |
| PCG-V3-plasma-9_Cluster_7_sequences=19769    | 19769          | 19        |
| PCG-V3-plasma-9_Cluster_48_sequences=4977    | 4977           | 19        |
| PCG-V3-plasma-9_Cluster_11_sequences=4233    | 4233           | 19        |
| PCG-V3-plasma-9_Cluster_24_sequences=2556    | 2556           | 19        |
| PCG-V3-plasma-9_Cluster_1_sequences=2393     | 2393           | 19        |
| PCG-V3-plasma-9_Cluster_37_sequences=2264    | 2264           | 19        |
| PCG-V3-plasma-9_Cluster_34_sequences=1947    | 1947           | 19        |
| PCG-V3-plasma-9_Cluster_30_sequences=1149    | 1149           | 19        |
| PCG-V3-plasma-9_Cluster_38_sequences=934     | 934            | 19        |
| PCG-V3-plasma-9_Cluster_96_sequences=738     | 738            | 19        |
| PCG-V3-plasma-9_Cluster_49_sequences=539     | 539            | 19        |
| PCG-V3-plasma-9_Cluster_52_sequences=529     | 529            | 19        |
| PCG-V3-plasma-9_Cluster_62_sequences=519     | 519            | 19        |
| PCG-V3-plasma-9_Cluster_69_sequences=377     | 377            | 19        |
| PCG-V3-plasma-9_Cluster_13_sequences=310     | 310            | 19        |
| PCG-V3-plasma-9_Cluster_146_sequences=271    | 271            | 19        |
| PCG-V3-PBMC-50_Cluster_138_sequences=232     | 232            | 282       |
| PCG-V3-plasma-55_Cluster_27_sequences=219    | 219            | 294       |
| PCG-V3-plasma-55_Cluster_29_sequences=217    | 217            | 294       |
| PCG-V3-plasma-9_Cluster_116_sequences=187    | 187            | 19        |
| PCG-V3-plasma-9_Cluster_43_sequences=179     | 179            | 19        |
| PCG-V3-plasma-9_Cluster_122_sequences=170    | 170            | 19        |
| PCG-V3-plasma-9_Cluster_108_sequences=160    | 160            | 19        |
| PCG-V3-plasma-9_Cluster_164_sequences=151    | 151            | 19        |
| PCG-V3-plasma-9_Cluster_463_sequences=134    | 134            | 19        |
| PCG-V3-plasma-9_Cluster_110_sequences=130    | 130            | 19        |
| PCG-V3-plasma-55_Cluster_85_sequences=129    | 129            | 294       |
| PCG-V3-plasma-9_Cluster_993_sequences=128    | 128            | 19        |
| PCG-V3-plasma-55_Cluster_50_sequences=128    | 128            | 294       |
| PCG-V3-plasma-9_Cluster_168_sequences=123    | 123            | 19        |
| PCG-V3-plasma-9_Cluster_124_sequences=122    | 122            | 19        |
| PCG-V3-plasma-9_Cluster_3_sequences=117      | 117            | 19        |
| PCG-V3-plasma-9_Cluster_320_sequences=109    | 109            | 19        |
| PCG-V3-plasma-9_Cluster_286_sequences=109    | 109            | 19        |
| PCG-V3-plasma-9_Cluster_231_sequences=105    | 105            | 19        |
| PCG-V3-plasma-9_Cluster_67_sequences=105     | 105            | 19        |
| PCG-V3-plasma-9_Cluster_253_sequences=95     | 95             | 19        |
| PCG-V3-PBMC-50_Cluster_287_sequences=93      | 93             | 282       |
| PCG-V3-plasma-55_Cluster_15_sequences=88     | 88             | 294       |
| PCG-V3-plasma-55_Cluster_97_sequences=87     | 87             | 294       |
PCG-V3-plasma-9_Cluster_1138_sequences=81 81 19
PCG-V3-PBMC-50_Cluster_199_sequences=80 80 282
PCG-V3-plasma-55_Cluster_1_sequences=79 79 294
PCG-V3-plasma-9_Cluster_181_sequences=78 78 19
PCG-V3-plasma-9_Cluster_450_sequences=78 78 19
PCG-V3-plasma-9_Cluster_388_sequences=78 78 19
PCG-V3-plasma-9_Cluster_279_sequences=78 78 19
PCG-V3-plasma-55_Cluster_151_sequences=75 75 294
PCG-V3-plasma-55_Cluster_53_sequences=71 71 294
PCG-V3-PBMC-50_Cluster_236_sequences=69 69 282
PCG-V3-plasma-9_Cluster_245_sequences=69 69 19
PCG-V3-plasma-9_Cluster_1093_sequences=66 66 19
PCG-V3-plasma-9_Cluster_143_sequences=65 65 19
PCG-V3-plasma-9_Cluster_662_sequences=65 65 19
PCG-V3-plasma-9_Cluster_601_sequences=65 65 19
PCG-V3-plasma-9_Cluster_9_sequences=64 64 19
PCG-V3-plasma-9_Cluster_169_sequences=63 63 19
PCG-V3-PBMC-50_Cluster_90_sequences=62 62 282
PCG-V3-plasma-9_Cluster_288_sequences=62 62 19
PCG-V3-plasma-9_Cluster_187_sequences=60 60 19
PCG-V3-plasma-55_Cluster_9_sequences=60 60 294
PCG-V3-plasma-9_Cluster_189_sequences=58 58 19
PCG-V3-plasma-55_Cluster_3_sequences=58 58 294
PCG-V3-plasma-55_Cluster_140_sequences=58 58 294
PCG-V3-plasma-9_Cluster_647_sequences=57 57 19
PCG-V3-plasma-55_Cluster_164_sequences=56 56 294
PCG-V3-PBMC-50_Cluster_670_sequences=55 55 282
PCG-V3-plasma-9_Cluster_813_sequences=52 52 19
PCG-V3-PBMC-50_Cluster_235_sequences=51 51 282
PCG-V3-plasma-9_Cluster_315_sequences=51 51 19
PCG-V3-plasma-55_Cluster_369_sequences=51 51 294
PCG-V3-plasma-9_Cluster_430_sequences=50 50 19
PCG-V3-plasma-9_Cluster_195_sequences=49 49 19
PCG-V3-plasma-9_Cluster_564_sequences=49 49 19
PCG-V3-plasma-9_Cluster_6329_sequences=49 49 19
PCG-V3-plasma-55_Cluster_231_sequences=49 49 294
PCG-V3-plasma-55_Cluster_61_sequences=49 49 294
PCG-V3-plasma-9_Cluster_10_sequences=48 48 19
PCG-V3-plasma-55_Cluster_183_sequences=48 48 294
PCG-V3-plasma-55_Cluster_91_sequences=48 48 294
PCG-V3-PBMC-50_Cluster_45_sequences=45 45 282
PCG-V3-plasma-9_Cluster_302_sequences=45 45 19
PCG-V3-plasma-9_Cluster_61_sequences=45 45 19
PCG-V3-plasma-9_Cluster_180_sequences=45 45 19
PCG-V3-PBMC-50_Cluster_5027_sequences=44 44 282
| Cluster Name                              | Sequences |
|------------------------------------------|-----------|
| PCG-V3-PBMC-50_Cluster_1018              | 44        |
| PCG-V3-PBMC-50_Cluster_828               | 44        |
| PCG-V3-plasma-9_Cluster_209              | 43        |
| PCG-V3-plasma-9_Cluster_361              | 42        |
| PCG-V3-plasma-9_Cluster_433              | 42        |
| PCG-V3-plasma-9_Cluster_369              | 42        |
| PCG-V3-plasma-55_Cluster_67              | 42        |
| PCG-V3-plasma-9_Cluster_120              | 41        |
| PCG-V3-plasma-9_Cluster_363              | 41        |
| PCG-V3-plasma-55_Cluster_435             | 41        |
| PCG-V3-PBMC-50_Cluster_1961              | 40        |
| PCG-V3-plasma-9_Cluster_660              | 40        |
| PCG-V3-PBMC-50_Cluster_428               | 39        |
| PCG-V3-plasma-9_Cluster_89               | 39        |
| PCG-V3-plasma-9_Cluster_138              | 39        |
| PCG-V3-plasma-9_Cluster_533              | 39        |
| PCG-V3-plasma-9_Cluster_6954             | 39        |
| PCG-V3-plasma-55_Cluster_10              | 39        |
| PCG-V3-plasma-55_Cluster_299             | 39        |
| PCG-V3-plasma-9_Cluster_523              | 38        |
| PCG-V3-plasma-9_Cluster_60               | 38        |
| PCG-V3-plasma-9_Cluster_536              | 38        |
| PCG-V3-plasma-9_Cluster_188              | 38        |
| PCG-V3-PBMC-50_Cluster_4372              | 37        |
| PCG-V3-plasma-9_Cluster_243              | 37        |
| PCG-V3-plasma-9_Cluster_752              | 37        |
| PCG-V3-plasma-55_Cluster_152             | 37        |
| PCG-V3-plasma-55_Cluster_185             | 37        |
| PCG-V3-plasma-55_Cluster_2454            | 37        |
| PCG-V3-plasma-55_Cluster_58              | 37        |
| PCG-V3-plasma-9_Cluster_592              | 36        |
| PCG-V3-plasma-55_Cluster_80              | 36        |
| PCG-V3-plasma-55_Cluster_641             | 36        |
| PCG-V3-PBMC-50_Cluster_2635              | 35        |
| PCG-V3-PBMC-50_Cluster_676               | 35        |
| PCG-V3-plasma-9_Cluster_12               | 35        |
| PCG-V3-plasma-9_Cluster_1091             | 35        |
| PCG-V3-plasma-9_Cluster_230              | 35        |
| PCG-V3-plasma-9_Cluster_157              | 35        |
| PCG-V3-plasma-55_Cluster_440             | 35        |
| PCG-V3-plasma-55_Cluster_81              | 35        |
| PCG-V3-PBMC-50_Cluster_115               | 34        |
| PCG-V3-PBMC-50_Cluster_1451              | 32        |
| PCG-V3-PBMC-50_Cluster_402               | 32        |
| PCG-V3-plasma-9_Cluster_323              | 32        |
| Cluster | Sequences |
|---------|-----------|
| PCG-V3-plasma-55_Cluster_11_sequences | 32         |
| PCG-V3-plasma-55_Cluster_345_sequences | 32         |
| PCG-V3-plasma-55_Cluster_772_sequences | 32         |
| PCG-V3-plasma-55_Cluster_94_sequences | 32         |
| PCG-V3-plasma-55_Cluster_555_sequences | 32         |
| PCG-V3-plasma-55_Cluster_42_sequences | 32         |
| PCG-V3-plasma-9_Cluster_576_sequences | 31         |
| PCG-V3-plasma-9_Cluster_507_sequences | 31         |
| PCG-V3-plasma-55_Cluster_142_sequences | 31         |
| PCG-V3-PBMC-50_Cluster_120_sequences | 30         |
| PCG-V3-PBMC-50_Cluster_67_sequences | 30         |
| PCG-V3-plasma-9_Cluster_834_sequences | 30         |
| PCG-V3-plasma-9_Cluster_884_sequences | 30         |
| PCG-V3-plasma-9_Cluster_756_sequences | 30         |
| PCG-V3-PBMC-50_Cluster_1117_sequences | 29         |
| PCG-V3-PBMC-50_Cluster_2179_sequences | 29         |
| PCG-V3-PBMC-50_Cluster_773_sequences | 29         |
| PCG-V3-plasma-9_Cluster_375_sequences | 29         |
| PCG-V3-plasma-9_Cluster_1621_sequences | 29         |
| PCG-V3-plasma-55_Cluster_7_sequences | 29         |
| PCG-V3-plasma-55_Cluster_12_sequences | 29         |
| PCG-V3-plasma-55_Cluster_155_sequences | 28         |
| PCG-V3-plasma-55_Cluster_289_sequences | 28         |
| PCG-V3-plasma-55_Cluster_380_sequences | 28         |
| PCG-V3-PBMC-50_Cluster_1288_sequences | 27         |
| PCG-V3-PBMC-50_Cluster_185_sequences | 27         |
| PCG-V3-PBMC-50_Cluster_710_sequences | 27         |
| PCG-V3-plasma-9_Cluster_410_sequences | 27         |
| PCG-V3-plasma-55_Cluster_113_sequences | 27         |
| PCG-V3-plasma-55_Cluster_204_sequences | 27         |
| PCG-V3-PBMC-50_Cluster_169_sequences | 26         |
| PCG-V3-PBMC-50_Cluster_309_sequences | 26         |
| PCG-V3-plasma-9_Cluster_1119_sequences | 26         |
| PCG-V3-plasma-9_Cluster_337_sequences | 26         |
| PCG-V3-plasma-9_Cluster_806_sequences | 26         |
| PCG-V3-plasma-9_Cluster_212_sequences | 26         |
| PCG-V3-plasma-9_Cluster_3691_sequences | 26         |
| PCG-V3-plasma-55_Cluster_208_sequences | 26         |
| PCG-V3-plasma-55_Cluster_190_sequences | 26         |
| PCG-V3-plasma-55_Cluster_19_sequences | 26         |
| PCG-V3-PBMC-50_Cluster_1003_sequences | 25         |
| Description                        | Size  | Value |
|-----------------------------------|-------|-------|
| PCG-V3-PBMC-50_Cluster_1486_sequences=25 | 25    | 282   |
| PCG-V3-PBMC-50_Cluster_1006_sequences=25 | 25    | 282   |
| PCG-V3-plasma-9_Cluster_1154_sequences=25 | 25    | 19    |
| PCG-V3-plasma-9_Cluster_2184_sequences=25 | 25    | 19    |
| PCG-V3-plasma-9_Cluster_472_sequences=25 | 25    | 19    |
| PCG-V3-plasma-9_Cluster_261_sequences=25 | 25    | 19    |
| PCG-V3-plasma-9_Cluster_1131_sequences=25 | 25    | 19    |
| PCG-V3-plasma-9_Cluster_798_sequences=25 | 25    | 19    |
| PCG-V3-plasma-9_Cluster_451_sequences=25 | 25    | 19    |
| PCG-V3-plasma-9_Cluster_1361_sequences=25 | 25    | 19    |
| PCG-V3-plasma-9_Cluster_65_sequences=25 | 25    | 19    |
| PCG-V3-plasma-9_Cluster_174_sequences=24  | 24    | 19    |
| PCG-V3-plasma-9_Cluster_219_sequences=24  | 24    | 19    |
| PCG-V3-plasma-9_Cluster_3996_sequences=24 | 24    | 19    |
| PCG-V3-plasma-9_Cluster_422_sequences=24  | 24    | 19    |
| PCG-V3-plasma-9_Cluster_269_sequences=24  | 24    | 19    |
| PCG-V3-plasma-9_Cluster_236_sequences=24  | 24    | 19    |
| PCG-V3-plasma-55_Cluster_267_sequences=24  | 24    | 294   |
| PCG-V3-plasma-55_Cluster_386_sequences=24  | 24    | 294   |
| PCG-V3-plasma-55_Cluster_615_sequences=24  | 24    | 294   |
| PCG-V3-plasma-55_Cluster_619_sequences=24  | 24    | 294   |
| PCG-V3-plasma-55_Cluster_188_sequences=24  | 24    | 294   |
| PCG-V3-PBMC-50_Cluster_274_sequences=23   | 23    | 282   |
| PCG-V3-PBMC-50_Cluster_999_sequences=23   | 23    | 282   |
| PCG-V3-PBMC-50_Cluster_1491_sequences=23  | 23    | 282   |
| PCG-V3-PBMC-50_Cluster_1560_sequences=23  | 23    | 282   |
| PCG-V3-PBMC-50_Cluster_1994_sequences=23  | 23    | 282   |
| PCG-V3-plasma-9_Cluster_139_sequences=23   | 23    | 19    |
| PCG-V3-plasma-9_Cluster_414_sequences=23   | 23    | 19    |
| PCG-V3-plasma-9_Cluster_304_sequences=23   | 23    | 19    |
| PCG-V3-plasma-9_Cluster_1218_sequences=23  | 23    | 19    |
| PCG-V3-plasma-9_Cluster_284_sequences=23   | 23    | 19    |
| PCG-V3-plasma-55_Cluster_49_sequences=23   | 23    | 294   |
| PCG-V3-plasma-55_Cluster_479_sequences=23  | 23    | 294   |
| PCG-V3-plasma-55_Cluster_82_sequences=23   | 23    | 294   |
| PCG-V3-PBMC-50_Cluster_1649_sequences=22  | 22    | 282   |
| PCG-V3-PBMC-50_Cluster_1118_sequences=22  | 22    | 282   |
| PCG-V3-plasma-9_Cluster_413_sequences=22   | 22    | 19    |
| PCG-V3-plasma-9_Cluster_186_sequences=22   | 22    | 19    |
| PCG-V3-plasma-9_Cluster_4461_sequences=22  | 22    | 19    |
| PCG-V3-plasma-9_Cluster_1662_sequences=22  | 22    | 19    |
| PCG-V3-plasma-9_Cluster_539_sequences=22   | 22    | 19    |
| PCG-V3-plasma-9_Cluster_2401_sequences=22  | 22    | 19    |
| Cluster Description                        | Sequences | Length |
|-------------------------------------------|------------|--------|
| PCG-V3-plasma-55_Cluster_59_sequences     | 22         | 294    |
| PCG-V3-plasma-55_Cluster_400_sequences    | 22         | 294    |
| PCG-V3-PBMC-50_Cluster_1874_sequences    | 21         | 282    |
| PCG-V3-PBMC-50_Cluster_6010_sequences    | 21         | 282    |
| PCG-V3-PBMC-50_Cluster_1024_sequences    | 21         | 282    |
| PCG-V3-PBMC-50_Cluster_561_sequences     | 21         | 282    |
| PCG-V3-PBMC-50_Cluster_647_sequences     | 21         | 282    |
| PCG-V3-PBMC-50_Cluster_13_sequences      | 21         | 282    |
| PCG-V3-plasma-9_Cluster_2483_sequences   | 21         | 19     |
| PCG-V3-plasma-9_Cluster_492_sequences    | 21         | 19     |
| PCG-V3-plasma-9_Cluster_538_sequences    | 21         | 19     |
| PCG-V3-plasma-9_Cluster_94_sequences     | 21         | 19     |
| PCG-V3-plasma-9_Cluster_531_sequences    | 21         | 19     |
| PCG-V3-plasma-9_Cluster_501_sequences    | 21         | 19     |
| PCG-V3-plasma-9_Cluster_1238_sequences   | 21         | 19     |
| PCG-V3-plasma-9_Cluster_345_sequences    | 21         | 19     |
| PCG-V3-plasma-9_Cluster_6328_sequences   | 21         | 19     |
| PCG-V3-plasma-9_Cluster_374_sequences    | 21         | 19     |
| PCG-V3-plasma-9_Cluster_1898_sequences   | 21         | 294    |
| PCG-V3-plasma-9_Cluster_820_sequences    | 21         | 294    |
| PCG-V3-plasma-9_Cluster_153_sequences    | 21         | 294    |
| PCG-V3-plasma-9_Cluster_538_sequences    | 21         | 294    |
| PCG-V3-plasma-9_Cluster_219_sequences    | 21         | 294    |
| PCG-V3-PBMC-50_Cluster_5217_sequences   | 20         | 282    |
| PCG-V3-PBMC-50_Cluster_26_sequences      | 20         | 282    |
| PCG-V3-plasma-9_Cluster_1298_sequences   | 20         | 19     |
| PCG-V3-plasma-9_Cluster_1516_sequences   | 20         | 19     |
| PCG-V3-plasma-9_Cluster_171_sequences    | 20         | 19     |
| PCG-V3-plasma-9_Cluster_486_sequences    | 20         | 19     |
| PCG-V3-plasma-9_Cluster_925_sequences    | 20         | 19     |
| PCG-V3-plasma-9_Cluster_329_sequences    | 20         | 19     |
| PCG-V3-plasma-9_Cluster_1071_sequences   | 20         | 19     |
| PCG-V3-plasma-9_Cluster_1973_sequences   | 20         | 19     |
| PCG-V3-plasma-9_Cluster_274_sequences    | 20         | 19     |
| PCG-V3-plasma-9_Cluster_50_sequences     | 20         | 19     |
| PCG-V3-plasma-9_Cluster_689_sequences    | 20         | 19     |
| PCG-V3-plasma-9_Cluster_947_sequences    | 20         | 19     |
| PCG-V3-plasma-9_Cluster_23_sequences     | 20         | 19     |
| PCG-V3-plasma-55_Cluster_1250_sequences | 20         | 294    |
| PCG-V3-plasma-55_Cluster_584_sequences   | 20         | 294    |
| PCG-V3-plasma-55_Cluster_405_sequences   | 20         | 294    |
| PCG-V3-plasma-55_Cluster_259_sequences   | 20         | 294    |
| PCG-V3-plasma-55_Cluster_275_sequences   | 20         | 294    |
| PCG-V3-PBMC-50_Cluster_5594_sequences   | 19         | 282    |
| PCG-V3-PBMC-50_Cluster_1471_sequences   | 19         | 282    |
| Dataset                      | Clusters | Sequences |
|------------------------------|----------|-----------|
| PCG-V3-PBMC-50_Cluster_793_sequences |          | 19 282    |
| PCG-V3-PBMC-50_Cluster_60_sequences |          | 19 282    |
| PCG-V3-plasma-9_Cluster_715_sequences |          | 19 19     |
| PCG-V3-plasma-9_Cluster_871_sequences |          | 19 19     |
| PCG-V3-plasma-9_Cluster_910_sequences |          | 19 19     |
| PCG-V3-plasma-9_Cluster_1176_sequences |         | 19 19     |
| PCG-V3-plasma-9_Cluster_334_sequences |         | 19 19     |
| PCG-V3-plasma-9_Cluster_499_sequences |         | 19 19     |
| PCG-V3-plasma-9_Cluster_1748_sequences |         | 19 19     |
| PCG-V3-plasma-55_Cluster_272_sequences |         | 19 294    |
| PCG-V3-plasma-55_Cluster_592_sequences |         | 19 294    |
| PCG-V3-plasma-55_Cluster_419_sequences |         | 19 294    |
| PCG-V3-plasma-55_Cluster_70_sequences |         | 19 294    |
| PCG-V3-PBMC-50_Cluster_4009_sequences |         | 18 282    |
| PCG-V3-PBMC-50_Cluster_1128_sequences |         | 18 282    |
| PCG-V3-PBMC-50_Cluster_4644_sequences |         | 18 282    |
| PCG-V3-PBMC-50_Cluster_5065_sequences |         | 18 282    |
| PCG-V3-PBMC-50_Cluster_1831_sequences |         | 18 282    |
| PCG-V3-PBMC-50_Cluster_2389_sequences |         | 18 282    |
| PCG-V3-PBMC-50_Cluster_2644_sequences |         | 18 282    |
| PCG-V3-PBMC-50_Cluster_303_sequences |         | 18 282    |
| PCG-V3-PBMC-50_Cluster_346_sequences |         | 18 282    |
| PCG-V3-PBMC-50_Cluster_3656_sequences |         | 18 282    |
| PCG-V3-PBMC-50_Cluster_3948_sequences |         | 18 282    |
| PCG-V3-plasma-9_Cluster_1338_sequences |         | 18 19     |
| PCG-V3-plasma-9_Cluster_330_sequences |         | 18 19     |
| PCG-V3-plasma-9_Cluster_3555_sequences |         | 18 19     |
| PCG-V3-plasma-9_Cluster_913_sequences |         | 18 19     |
| PCG-V3-plasma-9_Cluster_1099_sequences |         | 18 19     |
| PCG-V3-plasma-9_Cluster_1122_sequences |         | 18 19     |
| PCG-V3-plasma-9_Cluster_1172_sequences |         | 18 19     |
| PCG-V3-plasma-9_Cluster_135_sequences |          | 18 19     |
| PCG-V3-plasma-9_Cluster_2723_sequences |         | 18 19     |
| PCG-V3-plasma-9_Cluster_825_sequences |          | 18 19     |
| PCG-V3-plasma-9_Cluster_1796_sequences |         | 18 19     |
| PCG-V3-plasma-9_Cluster_156_sequences |          | 18 19     |
| PCG-V3-plasma-9_Cluster_794_sequences |          | 18 19     |
| PCG-V3-plasma-9_Cluster_965_sequences |          | 18 19     |
| PCG-V3-plasma-55_Cluster_149_sequences |         | 18 294    |
| PCG-V3-plasma-55_Cluster_552_sequences |         | 18 294    |
| PCG-V3-plasma-55_Cluster_947_sequences |         | 18 294    |
| PCG-V3-plasma-55_Cluster_21_sequences |          | 18 294    |
| PCG-V3-plasma-55_Cluster_100_sequences |         | 18 294    |
| PCG-V3-plasma-55_Cluster_34_sequences |          | 18 294    |
| PCG-V3-plasma-55_Cluster_357_sequences |         | 18 294    |
| Dataset         | Cluster Number | Sequences |
|-----------------|----------------|-----------|
| PCG-V3-PBMC-50   | 1668           | 16 282    |
| PCG-V3-PBMC-50   | 253            | 16 282    |
| PCG-V3-PBMC-50   | 7878           | 16 282    |
| PCG-V3-PBMC-50   | 7910           | 16 282    |
| PCG-V3-PBMC-50   | 2391           | 16 282    |
| PCG-V3-PBMC-50   | 3922           | 16 282    |
| PCG-V3-PBMC-50   | 3725           | 16 282    |
| PCG-V3-plasma-9  | 1088           | 16 19     |
| PCG-V3-plasma-9  | 1367           | 16 19     |
| PCG-V3-plasma-9  | 144            | 16 19     |
| PCG-V3-plasma-9  | 424            | 16 19     |
| PCG-V3-plasma-9  | 443            | 16 19     |
| PCG-V3-plasma-9  | 681            | 16 19     |
| PCG-V3-plasma-9  | 1562           | 16 19     |
| PCG-V3-plasma-9  | 314            | 16 19     |
| PCG-V3-plasma-9  | 467            | 16 19     |
| PCG-V3-plasma-9  | 673            | 16 19     |
| PCG-V3-plasma-9  | 827            | 16 19     |
| PCG-V3-plasma-9  | 983            | 16 19     |
| PCG-V3-plasma-9  | 1010           | 16 19     |
| PCG-V3-plasma-9  | 656            | 16 19     |
| PCG-V3-plasma-9  | 134            | 16 19     |
| PCG-V3-plasma-9  | 431            | 16 19     |
| PCG-V3-plasma-9  | 2652           | 16 19     |
| PCG-V3-plasma-9  | 1340           | 16 19     |
| PCG-V3-plasma-55 | 1137           | 16 294    |
| PCG-V3-plasma-55 | 11360          | 16 294    |
| PCG-V3-plasma-55 | 215            | 16 294    |
| PCG-V3-plasma-55 | 350            | 16 294    |
| PCG-V3-plasma-55 | 632            | 16 294    |
| PCG-V3-plasma-55 | 120            | 16 294    |
| PCG-V3-plasma-55 | 129            | 16 294    |
| PCG-V3-plasma-55 | 260            | 16 294    |
| PCG-V3-plasma-55 | 262            | 16 294    |
| PCG-V3-plasma-55 | 398            | 16 294    |
| PCG-V3-plasma-55 | 823            | 16 294    |
| PCG-V3-plasma-55 | 4039           | 16 294    |
| PCG-V3-PBMC-50   | 2590           | 15 282    |
| PCG-V3-PBMC-50   | 2610           | 15 282    |
| PCG-V3-PBMC-50   | 415            | 15 282    |
| PCG-V3-PBMC-50   | 3416           | 15 282    |
| PCG-V3-PBMC-50   | 5243           | 15 282    |
| PCG-V3-plasma-9  | 1018           | 15 19     |
| PCG-V3-plasma-9  | 1210           | 15 19     |
| PCG-V3-plasma-9  | 1592           | 15 19     |
| Cluster                          | Sequences | 15 | 19 |
|---------------------------------|-----------|----|----|
| PCG-V3-plasma-9_Cluster_2735    | 15        | 19 |
| PCG-V3-plasma-9_Cluster_36      | 15        | 19 |
| PCG-V3-plasma-9_Cluster_765     | 15        | 19 |
| PCG-V3-plasma-9_Cluster_883     | 15        | 19 |
| PCG-V3-plasma-9_Cluster_996     | 15        | 19 |
| PCG-V3-plasma-9_Cluster_872     | 15        | 19 |
| PCG-V3-plasma-9_Cluster_381     | 15        | 19 |
| PCG-V3-plasma-9_Cluster_1315    | 15        | 19 |
| PCG-V3-plasma-9_Cluster_2689    | 15        | 19 |
| PCG-V3-plasma-9_Cluster_623     | 15        | 19 |
| PCG-V3-plasma-9_Cluster_1045    | 15        | 19 |
| PCG-V3-plasma-9_Cluster_1132    | 15        | 19 |
| PCG-V3-plasma-9_Cluster_1231    | 15        | 19 |
| PCG-V3-plasma-9_Cluster_1464    | 15        | 19 |
| PCG-V3-plasma-9_Cluster_1608    | 15        | 19 |
| PCG-V3-plasma-9_Cluster_1656    | 15        | 19 |
| PCG-V3-plasma-9_Cluster_2392    | 15        | 19 |
| PCG-V3-plasma-9_Cluster_1062    | 15        | 19 |
| PCG-V3-plasma-9_Cluster_1359    | 15        | 19 |
| PCG-V3-plasma-9_Cluster_366     | 15        | 19 |
| PCG-V3-plasma-9_Cluster_1089    | 15        | 19 |
| PCG-V3-plasma-9_Cluster_5044    | 15        | 19 |
PCG-V3-plasma-9_Cluster_2287_sequences=14
PCG-V3-plasma-9_Cluster_1393_sequences=14
PCG-V3-plasma-9_Cluster_133_sequences=14
PCG-V3-plasma-55_Cluster_1224_sequences=14
PCG-V3-plasma-55_Cluster_159_sequences=14
PCG-V3-plasma-55_Cluster_229_sequences=14
PCG-V3-plasma-55_Cluster_438_sequences=14
PCG-V3-plasma-55_Cluster_459_sequences=14
PCG-V3-plasma-55_Cluster_646_sequences=14
PCG-V3-plasma-55_Cluster_827_sequences=14
PCG-V3-plasma-55_Cluster_917_sequences=14
PCG-V3-plasma-55_Cluster_71_sequences=14
PCG-V3-plasma-55_Cluster_1345_sequences=14
PCG-V3-plasma-55_Cluster_150_sequences=14
PCG-V3-plasma-55_Cluster_377_sequences=14
PCG-V3-plasma-55_Cluster_2420_sequences=14
PCG-V3-plasma-55_Cluster_295_sequences=14
PCG-V3-plasma-55_Cluster_349_sequences=14
PCG-V3-plasma-55_Cluster_453_sequences=14
PCG-V3-plasma-55_Cluster_461_sequences=14
PCG-V3-plasma-55_Cluster_485_sequences=14
PCG-V3-plasma-55_Cluster_556_sequences=14
PCG-V3-plasma-55_Cluster_579_sequences=14
PCG-V3-PBMC-50_Cluster_1400_sequences=13
PCG-V3-PBMC-50_Cluster_1553_sequences=13
PCG-V3-PBMC-50_Cluster_2399_sequences=13
PCG-V3-PBMC-50_Cluster_5953_sequences=13
PCG-V3-PBMC-50_Cluster_638_sequences=13
PCG-V3-PBMC-50_Cluster_1383_sequences=13
PCG-V3-PBMC-50_Cluster_2646_sequences=13
PCG-V3-PBMC-50_Cluster_682_sequences=13
PCG-V3-PBMC-50_Cluster_822_sequences=13
PCG-V3-PBMC-50_Cluster_1892_sequences=13
PCG-V3-PBMC-50_Cluster_5138_sequences=13
PCG-V3-plasma-9_Cluster_2005_sequences=13
PCG-V3-plasma-9_Cluster_258_sequences=13
PCG-V3-plasma-9_Cluster_4094_sequences=13
PCG-V3-plasma-9_Cluster_535_sequences=13
PCG-V3-plasma-9_Cluster_964_sequences=13
PCG-V3-plasma-9_Cluster_998_sequences=13
PCG-V3-plasma-9_Cluster_677_sequences=13
PCG-V3-plasma-9_Cluster_1422_sequences=13
PCG-V3-plasma-9_Cluster_2081_sequences=13
PCG-V3-plasma-9_Cluster_2596_sequences=13
PCG-V3-plasma-9_Cluster_4008_sequences=13
PCG-V3-plasma-9_Cluster_905_sequences=13
PCG-V3-plasma-9_Cluster_421_sequences=13
PCG-V3-plasma-9_Cluster_1233_sequences=13
PCG-V3-plasma-55_Cluster_1131_sequences=13
PCG-V3-plasma-55_Cluster_298_sequences=13
PCG-V3-plasma-55_Cluster_750_sequences=13
PCG-V3-plasma-55_Cluster_862_sequences=13
PCG-V3-plasma-55_Cluster_891_sequences=13
PCG-V3-plasma-55_Cluster_93_sequences=13
PCG-V3-plasma-55_Cluster_96_sequences=13
PCG-V3-plasma-55_Cluster_221_sequences=13
PCG-V3-plasma-55_Cluster_1720_sequences=13
PCG-V3-plasma-55_Cluster_889_sequences=13
PCG-V3-plasma-55_Cluster_1143_sequences=13
PCG-V3-plasma-55_Cluster_103_sequences=12
PCG-V3-plasma-55_Cluster_111_sequences=12
PCG-V3-plasma-55_Cluster_1443_sequences=12
PCG-V3-plasma-55_Cluster_1831_sequences=12
PCG-V3-plasma-55_Cluster_224_sequences=12
PCG-V3-plasma-55_Cluster_2282_sequences=12
PCG-V3-plasma-55_Cluster_299_sequences=12
PCG-V3-plasma-55_Cluster_382_sequences=12
PCG-V3-plasma-55_Cluster_42_sequences=12
PCG-V3-plasma-55_Cluster_631_sequences=12
PCG-V3-plasma-55_Cluster_668_sequences=12
PCG-V3-plasma-55_Cluster_767_sequences=12
| Cluster Name                                      | Sequences |
|--------------------------------------------------|-----------|
| PCG-V3-plasma-9_Cluster_1019_sequences           | 12        |
| PCG-V3-plasma-9_Cluster_359_sequences            | 12        |
| PCG-V3-plasma-9_Cluster_226_sequences            | 12        |
| PCG-V3-plasma-9_Cluster_3532_sequences           | 12        |
| PCG-V3-plasma-9_Cluster_419_sequences            | 12        |
| PCG-V3-plasma-9_Cluster_435_sequences            | 12        |
| PCG-V3-plasma-9_Cluster_226_sequences            | 12        |
| PCG-V3-plasma-9_Cluster_3532_sequences           | 12        |
| PCG-V3-plasma-9_Cluster_419_sequences            | 12        |
| PCG-V3-plasma-9_Cluster_435_sequences            | 12        |
| PCG-V3-plasma-9_Cluster_1086_sequences           | 12        |
| PCG-V3-plasma-9_Cluster_518_sequences            | 12        |
| PCG-V3-plasma-9_Cluster_1245_sequences           | 12        |
| PCG-V3-plasma-9_Cluster_1335_sequences           | 12        |
| PCG-V3-plasma-9_Cluster_1437_sequences           | 12        |
| PCG-V3-plasma-9_Cluster_217_sequences            | 12        |
| PCG-V3-plasma-9_Cluster_269_sequences            | 12        |
| PCG-V3-plasma-9_Cluster_344_sequences            | 12        |
| PCG-V3-plasma-9_Cluster_513_sequences            | 12        |
| PCG-V3-plasma-9_Cluster_597_sequences            | 12        |
| PCG-V3-plasma-9_Cluster_736_sequences            | 12        |
| PCG-V3-plasma-9_Cluster_69_sequences             | 12        |
| PCG-V3-plasma-9_Cluster_339_sequences            | 12        |
| PCG-V3-plasma-9_Cluster_460_sequences            | 12        |
| PCG-V3-plasma-9_Cluster_522_sequences            | 12        |
| PCG-V3-plasma-9_Cluster_101_sequences            | 12        |
| PCG-V3-plasma-9_Cluster_1047_sequences           | 12        |
| PCG-V3-plasma-9_Cluster_1053_sequences           | 12        |
| PCG-V3-plasma-9_Cluster_1136_sequences           | 12        |
| PCG-V3-plasma-9_Cluster_549_sequences            | 12        |
| PCG-V3-plasma-9_Cluster_603_sequences            | 12        |
| PCG-V3-plasma-9_Cluster_683_sequences            | 12        |
| PCG-V3-PBMC-50_Cluster_2962_sequences            | 11        |
| PCG-V3-PBMC-50_Cluster_296_sequences             | 11        |
| PCG-V3-PBMC-50_Cluster_1014_sequences            | 11        |
| PCG-V3-PBMC-50_Cluster_6459_sequences            | 11        |
| PCG-V3-PBMC-50_Cluster_4268_sequences            | 11        |
| PCG-V3-PBMC-50_Cluster_716_sequences             | 11        |
| PCG-V3-PBMC-50_Cluster_1029_sequences            | 11        |
| PCG-V3-PBMC-50_Cluster_1072_sequences            | 11        |
| PCG-V3-PBMC-50_Cluster_1238_sequences            | 11        |
| PCG-V3-PBMC-50_Cluster_1436_sequences            | 11        |
| PCG-V3-PBMC-50_Cluster_1819_sequences            | 11        |
| Cluster Name                        | Sequences |
|------------------------------------|-----------|
| PCG-V3-PBMC-50_Cluster_1915         | 11        | 282 |
| PCG-V3-PBMC-50_Cluster_1945         | 11        | 282 |
| PCG-V3-PBMC-50_Cluster_2022         | 11        | 282 |
| PCG-V3-PBMC-50_Cluster_2036         | 11        | 282 |
| PCG-V3-PBMC-50_Cluster_27            | 11        | 282 |
| PCG-V3-PBMC-50_Cluster_3293         | 11        | 282 |
| PCG-V3-PBMC-50_Cluster_913           | 11        | 282 |
| PCG-V3-PBMC-50_Cluster_6225         | 11        | 282 |
| PCG-V3-plasma-9_Cluster_1533         | 11        | 19  |
| PCG-V3-plasma-9_Cluster_1649         | 11        | 19  |
| PCG-V3-plasma-9_Cluster_371          | 11        | 19  |
| PCG-V3-plasma-9_Cluster_4796         | 11        | 19  |
| PCG-V3-plasma-9_Cluster_491          | 11        | 19  |
| PCG-V3-plasma-9_Cluster_572          | 11        | 19  |
| PCG-V3-plasma-9_Cluster_614          | 11        | 19  |
| PCG-V3-plasma-9_Cluster_932          | 11        | 19  |
| PCG-V3-plasma-9_Cluster_5451         | 11        | 19  |
| PCG-V3-plasma-9_Cluster_2415         | 11        | 19  |
| PCG-V3-plasma-9_Cluster_3684         | 11        | 19  |
| PCG-V3-plasma-9_Cluster_4241         | 11        | 19  |
| PCG-V3-plasma-9_Cluster_2186         | 11        | 19  |
| PCG-V3-plasma-9_Cluster_3162         | 11        | 19  |
| PCG-V3-plasma-9_Cluster_814          | 11        | 19  |
| PCG-V3-plasma-9_Cluster_577          | 11        | 19  |
| PCG-V3-plasma-9_Cluster_1277         | 11        | 19  |
| PCG-V3-plasma-9_Cluster_1512         | 11        | 19  |
| PCG-V3-plasma-9_Cluster_1629         | 11        | 19  |
| PCG-V3-plasma-9_Cluster_621          | 11        | 19  |
| PCG-V3-plasma-9_Cluster_386          | 11        | 19  |
| PCG-V3-plasma-9_Cluster_874          | 11        | 19  |
| PCG-V3-plasma-9_Cluster_2670         | 11        | 19  |
| PCG-V3-plasma-9_Cluster_41           | 11        | 19  |
| PCG-V3-plasma-9_Cluster_680          | 11        | 19  |
| PCG-V3-plasma-9_Cluster_1387         | 11        | 19  |
| PCG-V3-plasma-9_Cluster_2306         | 11        | 19  |
| PCG-V3-plasma-9_Cluster_385          | 11        | 19  |
| PCG-V3-plasma-9_Cluster_552          | 11        | 19  |
| PCG-V3-plasma-9_Cluster_6952         | 11        | 19  |
| PCG-V3-plasma-9_Cluster_991          | 11        | 19  |
| PCG-V3-plasma-9_Cluster_10493        | 11        | 19  |
| PCG-V3-plasma-55_Cluster_106         | 11        | 294 |
| PCG-V3-plasma-55_Cluster_1220        | 11        | 294 |
| PCG-V3-plasma-55_Cluster_130         | 11        | 294 |
| Cluster Name               | Sequences |
|---------------------------|-----------|
| PCG-V3-PBMC-50_Cluster_6770 | 10        |
| PCG-V3-PBMC-50_Cluster_1720 | 10        |
| PCG-V3-PBMC-50_Cluster_2463 | 10        |
| PCG-V3-PBMC-50_Cluster_5236 | 10        |
| PCG-V3-plasma-9_Cluster_1004 | 10        |
| PCG-V3-plasma-9_Cluster_1223 | 10        |
| PCG-V3-plasma-9_Cluster_1817 | 10        |
| PCG-V3-plasma-9_Cluster_1870 | 10        |
| PCG-V3-plasma-9_Cluster_2695 | 10        |
| PCG-V3-plasma-9_Cluster_290  | 10        |
| PCG-V3-plasma-9_Cluster_365  | 10        |
| PCG-V3-plasma-9_Cluster_428  | 10        |
| PCG-V3-plasma-9_Cluster_604  | 10        |
| PCG-V3-plasma-9_Cluster_844  | 10        |
| PCG-V3-plasma-9_Cluster_845  | 10        |
| PCG-V3-plasma-9_Cluster_4844 | 10        |
| PCG-V3-plasma-9_Cluster_4845 | 10        |
| PCG-V3-plasma-9_Cluster_4088 | 10        |
| PCG-V3-plasma-9_Cluster_3277 | 10        |
| PCG-V3-plasma-9_Cluster_2393 | 10        |
| PCG-V3-plasma-9_Cluster_56   | 10        |
| PCG-V3-plasma-9_Cluster_582  | 10        |
| PCG-V3-plasma-9_Cluster_792  | 10        |
| PCG-V3-plasma-9_Cluster_229  | 10        |
| PCG-V3-plasma-9_Cluster_438  | 10        |
| PCG-V3-plasma-9_Cluster_1356 | 10        |
| PCG-V3-plasma-9_Cluster_1563 | 10        |
| PCG-V3-plasma-9_Cluster_2359 | 10        |
| PCG-V3-plasma-9_Cluster_265  | 10        |
| PCG-V3-plasma-9_Cluster_3824 | 10        |
| PCG-V3-plasma-9_Cluster_482  | 10        |
| PCG-V3-plasma-9_Cluster_636  | 10        |
| PCG-V3-plasma-9_Cluster_865  | 10        |
| PCG-V3-plasma-9_Cluster_950  | 10        |
| PCG-V3-plasma-9_Cluster_202  | 10        |
| PCG-V3-plasma-9_Cluster_797  | 10        |
| PCG-V3-plasma-9_Cluster_2001 | 10        |
| PCG-V3-plasma-9_Cluster_926  | 10        |
| PCG-V3-plasma-9_Cluster_1364 | 10        |
| PCG-V3-plasma-9_Cluster_930  | 10        |
| PCG-V3-plasma-9_Cluster_1266 | 10        |
| PCG-V3-plasma-9_Cluster_1547 | 10        |
| PCG-V3-plasma-9_Cluster_1969 | 10        |
| PCG-V3-plasma-9_Cluster_217  | 10        |
| PCG-V3-plasma-9_Cluster_3713  | 10        |
| PCG-V3-plasma-9_Cluster_802   | 10        |
| PCG-V3-plasma-9_Cluster_1862  | 10        |
| Sequence Description                              | Cluster Size | Length |
|--------------------------------------------------|--------------|--------|
| PCG-V3-plasma-9_Cluster_665_sequences              | 10           | 19     |
| PCG-V3-plasma-9_Cluster_720_sequences              | 10           | 19     |
| PCG-V3-plasma-55_Cluster_1415_sequences           | 10           | 294    |
| PCG-V3-plasma-55_Cluster_157_sequences            | 10           | 294    |
| PCG-V3-plasma-55_Cluster_182_sequences            | 10           | 294    |
| PCG-V3-plasma-55_Cluster_236_sequences            | 10           | 294    |
| PCG-V3-plasma-55_Cluster_2684_sequences           | 10           | 294    |
| PCG-V3-plasma-55_Cluster_30_sequences             | 10           | 294    |
| PCG-V3-plasma-55_Cluster_36_sequences             | 10           | 294    |
| PCG-V3-plasma-55_Cluster_44_sequences             | 10           | 294    |
| PCG-V3-plasma-55_Cluster_473_sequences            | 10           | 294    |
| PCG-V3-plasma-55_Cluster_477_sequences            | 10           | 294    |
| PCG-V3-plasma-55_Cluster_491_sequences            | 10           | 294    |
| PCG-V3-plasma-55_Cluster_533_sequences            | 10           | 294    |
| PCG-V3-plasma-55_Cluster_569_sequences            | 10           | 294    |
| PCG-V3-plasma-55_Cluster_599_sequences            | 10           | 294    |
| PCG-V3-plasma-55_Cluster_653_sequences            | 10           | 294    |
| PCG-V3-plasma-55_Cluster_68_sequences             | 10           | 294    |
| PCG-V3-plasma-55_Cluster_739_sequences            | 10           | 294    |
| PCG-V3-plasma-55_Cluster_8_sequences              | 10           | 294    |
| PCG-V3-plasma-55_Cluster_329_sequences            | 10           | 294    |
| PCG-V3-plasma-55_Cluster_1688_sequences           | 10           | 294    |
| PCG-V3-plasma-55_Cluster_490_sequences            | 10           | 294    |
| PCG-V3-plasma-55_Cluster_640_sequences            | 10           | 294    |
| PCG-V3-plasma-55_Cluster_617_sequences            | 10           | 294    |
| PCG-V3-plasma-55_Cluster_52_sequences             | 10           | 294    |
| PCG-V3-plasma-55_Cluster_218_sequences            | 10           | 294    |
| PCG-V3-plasma-55_Cluster_156_sequences            | 10           | 294    |
| PCG-V3-plasma-55_Cluster_364_sequences            | 10           | 294    |
| PCG-V3-plasma-55_Cluster_353_sequences            | 10           | 294    |
| PCG-V3-plasma-55_Cluster_379_sequences            | 10           | 294    |
| PCG-V3-plasma-55_Cluster_701_sequences            | 10           | 294    |
| PCG-V3-plasma-55_Cluster_837_sequences            | 10           | 294    |
| PCG-V3-plasma-55_Cluster_GGGGTCAAGC_sequences     | 9            | 294    |
| PCG-V3-plasma-79_Cluster_CTGCGGGCGG_sequences     | 9            | 492    |
| PCG-V3-PBMC-50_Cluster_3521_sequences             | 9            | 282    |
| PCG-V3-PBMC-50_Cluster_4149_sequences             | 9            | 282    |
| PCG-V3-PBMC-50_Cluster_810_sequences              | 9            | 282    |
| PCG-V3-PBMC-50_Cluster_6523_sequences             | 9            | 282    |
| PCG-V3-PBMC-50_Cluster_1228_sequences             | 9            | 282    |
| PCG-V3-PBMC-50_Cluster_7035_sequences             | 9            | 282    |
| PCG-V3-PBMC-50_Cluster_505_sequences              | 9            | 282    |
| PCG-V3-PBMC-50_Cluster_5103_sequences             | 9            | 282    |
| PCG-V3-PBMC-50_Cluster_6221_sequences             | 9            | 282    |
PCG-V3-PBMC-50_Cluster_2746_sequences=9 9 282
PCG-V3-PBMC-50_Cluster_6027_sequences=9 9 282
PCG-V3-PBMC-50_Cluster_1254_sequences=9 9 282
PCG-V3-PBMC-50_Cluster_1591_sequences=9 9 282
PCG-V3-PBMC-50_Cluster_1787_sequences=9 9 282
PCG-V3-PBMC-50_Cluster_1899_sequences=9 9 282
PCG-V3-PBMC-50_Cluster_1919_sequences=9 9 282
PCG-V3-PBMC-50_Cluster_2773_sequences=9 9 282
PCG-V3-PBMC-50_Cluster_2946_sequences=9 9 282
PCG-V3-PBMC-50_Cluster_3863_sequences=9 9 282
PCG-V3-PBMC-50_Cluster_838_sequences=9 9 282
PCG-V3-PBMC-50_Cluster_921_sequences=9 9 282
PCG-V3-PBMC-50_Cluster_966_sequences=9 9 282
PCG-V3-PBMC-50_Cluster_9674_sequences=9 9 282
PCG-V3-PBMC-50_Cluster_1792_sequences=9 9 282
PCG-V3-PBMC-50_Cluster_2189_sequences=9 9 282
PCG-V3-PBMC-50_Cluster_9674_sequences=9 9 282
PCG-V3-PBMC-50_Cluster_1336_sequences=9 9 282
PCG-V3-PBMC-50_Cluster_105_sequences=9 9 282
PCG-V3-PBMC-50_Cluster_1714_sequences=8 8 294
PCG-V3-PBMC-50_Cluster_1972_sequences=8 8 282
PCG-V3-PBMC-50_Cluster_2075_sequences=8 8 282
PCG-V3-PBMC-50_Cluster_2075_sequences=8 8 282
PCG-V3-PBMC-50_Cluster_2773_sequences=8 8 282
PCG-V3-PBMC-50_Cluster_3025_sequences=8 8 282
PCG-V3-PBMC-50_Cluster_3241_sequences=8 8 282
PCG-V3-PBMC-50_Cluster_3547_sequences=8 8 282
PCG-V3-PBMC-50_Cluster_4049_sequences=8 8 282
PCG-V3-PBMC-50_Cluster_4111_sequences=8 8 282
PCG-V3-PBMC-50_Cluster_4111_sequences=8 8 282
| Cluster Name                                           | Sequences | Length |
|------------------------------------------------------|-----------|--------|
| PCG-V3-PBMC-50_Cluster_834_sequences                  | 8         | 282    |
| PCG-V3-PBMC-50_Cluster_3169_sequences                 | 8         | 282    |
| PCG-V3-PBMC-50_Cluster_1265_sequences                 | 8         | 282    |
| PCG-V3-PBMC-50_Cluster_3392_sequences                 | 8         | 282    |
| PCG-V3-PBMC-50_Cluster_5361_sequences                 | 8         | 282    |
| PCG-V3-PBMC-50_Cluster_173_sequences                  | 8         | 282    |
| PCG-V3-PBMC-50_Cluster_3060_sequences                 | 8         | 282    |
| PCG-V3-PBMC-50_Cluster_1142_sequences                 | 8         | 282    |
| PCG-V3-PBMC-50_Cluster_10277_sequences               | 8         | 282    |
| PCG-V3-PBMC-50_Cluster_1418_sequences                 | 7         | 282    |
| PCG-V3-PBMC-50_Cluster_3018_sequences                 | 7         | 282    |
| PCG-V3-PBMC-50_Cluster_3485_sequences                 | 7         | 282    |
| PCG-V3-PBMC-50_Cluster_3966_sequences                 | 7         | 282    |
| PCG-V3-PBMC-50_Cluster_6306_sequences                 | 7         | 282    |
| PCG-V3-PBMC-50_Cluster_7888_sequences                 | 7         | 282    |
| PCG-V3-PBMC-50_Cluster_6925_sequences                 | 7         | 282    |
| PCG-V3-PBMC-50_Cluster_431_sequences                  | 7         | 282    |
| PCG-V3-PBMC-50_Cluster_1296_sequences                 | 7         | 282    |
| PCG-V3-PBMC-50_Cluster_2685_sequences                 | 7         | 282    |
| PCG-V3-PBMC-50_Cluster_3382_sequences                 | 7         | 282    |
| PCG-V3-PBMC-50_Cluster_3867_sequences                 | 7         | 282    |
| PCG-V3-PBMC-50_Cluster_6972_sequences                 | 7         | 282    |
| PCG-V3-PBMC-50_Cluster_8752_sequences                 | 7         | 282    |
| PCG-V3-PBMC-50_Cluster_6235_sequences                 | 7         | 282    |
| PCG-V3-PBMC-50_Cluster_2144_sequences                 | 7         | 282    |
| PCG-V3-PBMC-50_Cluster_6299_sequences                 | 7         | 282    |
| PCG-V3-PBMC-50_Cluster_8505_sequences                 | 7         | 282    |
| PCG-V3-PBMC-50_Cluster_1300_sequences                 | 7         | 282    |
| PCG-V3-PBMC-50_Cluster_198_sequences                  | 7         | 282    |
| PCG-V3-PBMC-50_Cluster_3330_sequences                 | 7         | 282    |
| PCG-V3-PBMC-50_Cluster_349_sequences                  | 7         | 282    |
| PCG-V3-PBMC-50_Cluster_380_sequences                  | 7         | 282    |
| PCG-V3-PBMC-50_Cluster_4041_sequences                 | 7         | 282    |
| PCG-V3-PBMC-50_Cluster_4633_sequences                 | 7         | 282    |
| PCG-V3-PBMC-50_Cluster_522_sequences                  | 7         | 282    |
| PCG-V3-PBMC-50_Cluster_5309_sequences                 | 7         | 282    |
| PCG-V3-PBMC-50_Cluster_7074_sequences                 | 7         | 282    |
| PCG-V3-PBMC-50_Cluster_3627_sequences                 | 7         | 282    |
| PCG-V3-PBMC-50_Cluster_3091_sequences                 | 7         | 282    |
| PCG-V3-PBMC-50_Cluster_3118_sequences                 | 7         | 282    |
| PCG-V3-PBMC-50_Cluster_3979_sequences                 | 7         | 282    |
| PCG-V3-PBMC-50_Cluster_3196_sequences                 | 7         | 282    |
| PCG-V3-PBMC-50_Cluster_1203_sequences                 | 7         | 282    |
| PCG-V3-PBMC-50_Cluster_3039_sequences                 | 7         | 282    |
| PCG-V3-PBMC-50_Cluster_4158_sequences                 | 7         | 282    |
PCG-V3-PBMC-50_Cluster_6757_sequences=7  7  282
PCG-V3-PBMC-50_Cluster_3834_sequences=7  7  282
PCG-V3-plasma-27_Cluster_CTGTTTAAA_sequence:  6  126
PCG-V3-plasma-79_Cluster_CCGAGGCCG_sequence  6  492
PCG-V3-plasma-92_Cluster_GGGAGCGTT_sequence:  6  625
PCG-V3-PBMC-50_Cluster_1245_sequences=6  6  282
PCG-V3-PBMC-50_Cluster_1315_sequences=6  6  282
PCG-V3-PBMC-50_Cluster_1273_sequences=6  6  282
PCG-V3-PBMC-50_Cluster_2543_sequences=6  6  282
PCG-V3-PBMC-50_Cluster_6086_sequences=6  6  282
PCG-V3-PBMC-50_Cluster_6656_sequences=6  6  282
PCG-V3-PBMC-50_Cluster_6628_sequences=6  6  282
PCG-V3-PBMC-50_Cluster_7963_sequences=6  6  282
PCG-V3-PBMC-50_Cluster_6563_sequences=6  6  282
PCG-V3-PBMC-50_Cluster_2232_sequences=6  6  282
PCG-V3-PBMC-50_Cluster_7005_sequences=6  6  282
PCG-V3-PBMC-50_Cluster_108_sequences=6  6  282
PCG-V3-PBMC-50_Cluster_1195_sequences=6  6  282
PCG-V3-PBMC-50_Cluster_1347_sequences=6  6  282
PCG-V3-PBMC-50_Cluster_1897_sequences=6  6  282
PCG-V3-PBMC-50_Cluster_218_sequences=6  6  282
PCG-V3-PBMC-50_Cluster_2863_sequences=6  6  282
PCG-V3-PBMC-50_Cluster_3267_sequences=6  6  282
PCG-V3-PBMC-50_Cluster_3512_sequences=6  6  282
PCG-V3-PBMC-50_Cluster_3955_sequences=6  6  282
PCG-V3-PBMC-50_Cluster_4393_sequences=6  6  282
PCG-V3-PBMC-50_Cluster_4730_sequences=6  6  282
PCG-V3-PBMC-50_Cluster_575_sequences=6  6  282
PCG-V3-PBMC-50_Cluster_5772_sequences=6  6  282
PCG-V3-PBMC-50_Cluster_602_sequences=6  6  282
PCG-V3-PBMC-50_Cluster_858_sequences=6  6  282
PCG-V3-PBMC-50_Cluster_873_sequences=6  6  282
PCG-V3-PBMC-50_Cluster_5601_sequences=6  6  282
PCG-V3-PBMC-50_Cluster_2482_sequences=6  6  282
PCG-V3-PBMC-50_Cluster_547_sequences=6  6  282
PCG-V3-PBMC-50_Cluster_1645_sequences=6  6  282
PCG-V3-PBMC-50_Cluster_3980_sequences=6  6  282
PCG-V3-PBMC-50_Cluster_970_sequences=6  6  282
PCG-V3-PBMC-50_Cluster_2752_sequences=6  6  282
PCG-V3-PBMC-50_Cluster_2829_sequences=6  6  282
PCG-V3-PBMC-50_Cluster_1229_sequences=6  6  282
PCG-V3-PBMC-50_Cluster_1557_sequences=6  6  282
PCG-V3-PBMC-50_Cluster_1846_sequences=6  6  282
PCG-V3-PBMC-50_Cluster_3186_sequences=6  6  282
PCG-V3-PBMC-50_Cluster_4193_sequences=6  6  282
| Sequence Description                        | Count | Length |
|--------------------------------------------|-------|--------|
| PCG-V3-PBMC-50_Cluster_817_sequences       | 6     | 282    |
| PCG-V3-PBMC-50_Cluster_1771_sequences      | 6     | 282    |
| PCG-V3-PBMC-50_Cluster_2731_sequences      | 6     | 282    |
| PCG-V3-plasma-27_Cluster_GTCATTAAC_sequence| 5     | 126    |
| PCG-V3-plasma-55_Cluster_AATCGTTTC_sequence| 5     | 294    |
| PCG-V3-plasma-55_Cluster_AGAGCCCGT_sequence| 5     | 294    |
| PCG-V3-plasma-55_Cluster_ATGTTTCTC_sequence| 5     | 294    |
| PCG-V3-plasma-55_Cluster_CATTAGTAG_sequence| 5     | 294    |
| PCG-V3-plasma-55_Cluster_GCAACGGGT_sequence| 5     | 294    |
| PCG-V3-plasma-55_Cluster_TAAGAGCTA_sequence| 5     | 294    |
| PCG-V3-plasma-55_Cluster_TGAAGGTTGT_sequence| 5     | 294    |
| PCG-V3-plasma-55_Cluster_TGCTCTCGG_sequence| 5     | 294    |
| PCG-V3-plasma-79_Cluster_AGATAGAGG_sequence| 5     | 492    |
| PCG-V3-plasma-79_Cluster_CTGAAGTTA_sequence| 5     | 492    |
| PCG-V3-plasma-79_Cluster_CTGTTGAAA_sequence| 5     | 492    |
| PCG-V3-plasma-79_Cluster_GATGTATAG_sequence| 5     | 492    |
| PCG-V3-plasma-79_Cluster_TAGGCACTC_sequence| 5     | 492    |
| PCG-V3-plasma-92_Cluster_GGCATGCCG_sequence| 5     | 625    |
| PCG-V3-PBMC-50_Cluster_3088_sequences      | 5     | 282    |
| PCG-V3-PBMC-50_Cluster_3640_sequences      | 5     | 282    |
| PCG-V3-PBMC-50_Cluster_7379_sequences      | 5     | 282    |
| PCG-V3-PBMC-50_Cluster_7519_sequences      | 5     | 282    |
| PCG-V3-PBMC-50_Cluster_8961_sequences      | 5     | 282    |
| PCG-V3-PBMC-50_Cluster_9434_sequences      | 5     | 282    |
| PCG-V3-PBMC-50_Cluster_1152_sequences      | 5     | 282    |
| PCG-V3-PBMC-50_Cluster_4933_sequences      | 5     | 282    |
| PCG-V3-PBMC-50_Cluster_2015_sequences      | 5     | 282    |
| PCG-V3-PBMC-50_Cluster_5663_sequences      | 5     | 282    |
| PCG-V3-PBMC-50_Cluster_6554_sequences      | 5     | 282    |
| PCG-V3-PBMC-50_Cluster_5416_sequences      | 5     | 282    |
| PCG-V3-PBMC-50_Cluster_1939_sequences      | 5     | 282    |
| PCG-V3-PBMC-50_Cluster_2270_sequences      | 5     | 282    |
| PCG-V3-PBMC-50_Cluster_2328_sequences      | 5     | 282    |
| PCG-V3-PBMC-50_Cluster_2883_sequences      | 5     | 282    |
| PCG-V3-PBMC-50_Cluster_3193_sequences      | 5     | 282    |
| PCG-V3-PBMC-50_Cluster_5903_sequences      | 5     | 282    |
| PCG-V3-PBMC-50_Cluster_1493_sequences      | 5     | 282    |
| PCG-V3-PBMC-50_Cluster_1586_sequences      | 5     | 282    |
| PCG-V3-PBMC-50_Cluster_1702_sequences      | 5     | 282    |
| PCG-V3-PBMC-50_Cluster_1914_sequences      | 5     | 282    |
| PCG-V3-PBMC-50_Cluster_1934_sequences      | 5     | 282    |
| PCG-V3-PBMC-50_Cluster_1948_sequences      | 5     | 282    |
| PCG-V3-PBMC-50_Cluster_3883_sequences      | 5     | 282    |
| PCG-V3-PBMC-50_Cluster_2883_sequences      | 5     | 282    |
PCG-V3-PBMC-50_Cluster_2451_sequences=5 5 282
PCG-V3-PBMC-50_Cluster_24_sequences=5 5 282
PCG-V3-PBMC-50_Cluster_3007_sequences=5 5 282
PCG-V3-PBMC-50_Cluster_3142_sequences=5 5 282
PCG-V3-PBMC-50_Cluster_3176_sequences=5 5 282
PCG-V3-PBMC-50_Cluster_3219_sequences=5 5 282
PCG-V3-PBMC-50_Cluster_3299_sequences=5 5 282
PCG-V3-PBMC-50_Cluster_3841_sequences=5 5 282
PCG-V3-PBMC-50_Cluster_4004_sequences=5 5 282
PCG-V3-PBMC-50_Cluster_4233_sequences=5 5 282
PCG-V3-PBMC-50_Cluster_5047_sequences=5 5 282
PCG-V3-PBMC-50_Cluster_5338_sequences=5 5 282
PCG-V3-PBMC-50_Cluster_814_sequences=5 5 282
PCG-V3-PBMC-50_Cluster_8367_sequences=5 5 282
PCG-V3-PBMC-50_Cluster_884_sequences=5 5 282
PCG-V3-PBMC-50_Cluster_960_sequences=5 5 282
PCG-V3-PBMC-50_Cluster_3706_sequences=5 5 282
PCG-V3-PBMC-50_Cluster_2969_sequences=5 5 282
PCG-V3-PBMC-50_Cluster_404_sequences=5 5 282
PCG-V3-PBMC-50_Cluster_5927_sequences=5 5 282
PCG-V3-PBMC-50_Cluster_8962_sequences=5 5 282
PCG-V3-PBMC-50_Cluster_5691_sequences=5 5 282
PCG-V3-PBMC-50_Cluster_144_sequences=5 5 282
PCG-V3-PBMC-50_Cluster_154_sequences=5 5 282
PCG-V3-PBMC-50_Cluster_2371_sequences=5 5 282
PCG-V3-PBMC-50_Cluster_265_sequences=5 5 282
PCG-V3-PBMC-50_Cluster_3044_sequences=5 5 282
PCG-V3-PBMC-50_Cluster_3217_sequences=5 5 282
PCG-V3-PBMC-50_Cluster_6237_sequences=5 5 282
PCG-V3-PBMC-50_Cluster_5020_sequences=5 5 282
PCG-V3-PBMC-50_Cluster_1235_sequences=5 5 282
PCG-V3-PBMC-50_Cluster_715_sequences=5 5 282
PCG-V3-PBMC-50_Cluster_1710_sequences=5 5 282
| haplotype                          | number of reads | timepoint |
|-----------------------------------|-----------------|-----------|
| SDS-V3-plasma-45_Cluster_34_sequences=78449 | 282             | 78449     |
| SDS-V3-plasma-5_Cluster_1_sequences=45662    | 9               | 45662     |
| SDS-V3-plasma-67_Cluster_39_sequences=41660    | 504             | 41660     |
| SDS-V3-plasma-46_Cluster_2_sequences=37316   | 286             | 37316     |
| SDS-V3-plasma-45_Cluster_113_sequences=36763 | 282             | 36763     |
| SDS-V3-plasma-67_Cluster_107_sequences=34801 | 504             | 34801     |
| SDS-V3-plasma-45_Cluster_44_sequences=32025  | 282             | 32025     |
| SDS-V3-plasma-46_Cluster_7_sequences=31887   | 286             | 31887     |
| SDS-V3-plasma-67_Cluster_43_sequences=30418  | 504             | 30418     |
| SDS-V3-plasma-45_Cluster_28_sequences=29782  | 282             | 29782     |
| SDS-V3-plasma-67_Cluster_76_sequences=27896  | 504             | 27896     |
| SDS-V3-plasma-67_Cluster_7_sequences=26488   | 504             | 26488     |
| SDS-V3-plasma-7_Cluster_0_sequences=24721    | 14              | 24721     |
| SDS-V3-plasma-45_Cluster_50_sequences=22019  | 282             | 22019     |
| SDS-V3-plasma-67_Cluster_69_sequences=20366  | 504             | 20366     |
| SDS-V3-plasma-67_Cluster_194_sequences=20111 | 504             | 20111     |
| SDS-V3-plasma-45_Cluster_86_sequences=18666  | 282             | 18666     |
| SDS-V3-plasma-7_Cluster_6_sequences=18184    | 14              | 18184     |
| SDS-V3-plasma-67_Cluster_18_sequences=18154  | 504             | 18154     |
| SDS-V3-plasma-8_Cluster_2264_sequences=18049 | 16              | 18049     |
| SDS-V3-plasma-67_Cluster_146_sequences=17898 | 504             | 17898     |
| SDS-V3-plasma-46_Cluster_10_sequences=17447  | 286             | 17447     |
| SDS-V3-plasma-0_Cluster_44_sequences=15624   | 0               | 15624     |
| SDS-V3-plasma-0_Cluster_54_sequences=15268   | 0               | 15268     |
| SDS-V3-plasma-45_Cluster_5_sequences=14641   | 282             | 14641     |
| SDS-V3-plasma-45_Cluster_48_sequences=14077  | 282             | 14077     |
| SDS-V3-plasma-7_Cluster_2_sequences=14076    | 14              | 14076     |
| SDS-V3-plasma-45_Cluster_88_sequences=12662  | 282             | 12662     |
| SDS-V3-plasma-0_Cluster_25_sequences=11702   | 0               | 11702     |
| SDS-V3-plasma-0_Cluster_10_sequences=11466   | 0               | 11466     |
| SDS-V3-plasma-0_Cluster_137_sequences=11072  | 0               | 11072     |
| SDS-V3-plasma-8_Cluster_7_sequences=10823    | 16              | 10823     |
| SDS-V3-plasma-0_Cluster_81_sequences=10715   | 0               | 10715     |
| SDS-V3-plasma-46_Cluster_74_sequences=10409  | 286             | 10409     |
| SDS-V3-plasma-45_Cluster_277_sequences=9980  | 282             | 9980      |
| SDS-V3-plasma-0_Cluster_105_sequences=9420   | 0               | 9420      |
| SDS-V3-plasma-45_Cluster_53_sequences=9156   | 282             | 9156      |
| SDS-V3-plasma-67_Cluster_419_sequences=9154  | 504             | 9154      |
| SDS-V3-plasma-45_Cluster_40_sequences=9046   | 282             | 9046      |
| SDS-V3-plasma-46_Cluster_55_sequences=8840   | 286             | 8840      |
| SDS-V3-plasma-45_Cluster_84_sequences=8820   | 282             | 8820      |
| SDS-V3-plasma-8_Cluster_2268_sequences=8731  | 16              | 8731      |
| SDS-V3-plasma-0_Cluster_128_sequences=8673   | 0               | 8673      |
| Cluster Description        | Sequences | Length |
|---------------------------|-----------|--------|
| SDS-V3-plasma-45_Cluster_279_sequences | 8642     | 282    |
| SDS-V3-plasma-45_Cluster_58_sequences | 8167     | 282    |
| SDS-V3-plasma-46_Cluster_25_sequences | 8097     | 286    |
| SDS-V3-plasma-67_Cluster_366_sequences | 7992     | 504    |
| SDS-V3-plasma-45_Cluster_42_sequences | 7256     | 282    |
| SDS-V3-plasma-46_Cluster_9_sequences | 7162     | 286    |
| SDS-V3-plasma-8_Cluster_2259_sequences | 6994    | 16     |
| SDS-V3-plasma-46_Cluster_48_sequences | 6883     | 286    |
| SDS-V3-plasma-45_Cluster_56_sequences | 6521     | 282    |
| SDS-V3-plasma-67_Cluster_282_sequences | 6197     | 282    |
| SDS-V3-plasma-45_Cluster_102_sequences | 5722    | 282    |
| SDS-V3-plasma-45_Cluster_57_sequences | 5800     | 282    |
| SDS-V3-plasma-46_Cluster_143_sequences | 5098    | 504    |
| SDS-V3-plasma-45_Cluster_85_sequences | 4985     | 282    |
| SDS-V3-plasma-45_Cluster_225_sequences | 4905     | 282    |
| SDS-V3-plasma-7_Cluster_7_sequences | 4873     | 14     |
| SDS-V3-plasma-45_Cluster_87_sequences | 4800     | 282    |
| SDS-V3-plasma-67_Cluster_131_sequences | 4523    | 504    |
| SDS-V3-plasma-7_Cluster_39_sequences | 4519     | 14     |
| SDS-V3-plasma-67_Cluster_384_sequences | 4472     | 504    |
| SDS-V3-plasma-67_Cluster_66_sequences | 4307     | 504    |
| SDS-V3-plasma-45_Cluster_513_sequences | 4116     | 282    |
| SDS-V3-plasma-45_Cluster_247_sequences | 4001     | 282    |
| SDS-V3-plasma-67_Cluster_77_sequences | 3965     | 504    |
| SDS-V3-plasma-45_Cluster_188_sequences | 3956     | 282    |
| SDS-V3-plasma-45_Cluster_105_sequences | 3923     | 282    |
| SDS-V3-plasma-45_Cluster_31_sequences | 3910     | 282    |
| SDS-V3-plasma-67_Cluster_88_sequences | 3812     | 504    |
| SDS-V3-plasma-67_Cluster_124_sequences | 3733     | 504    |
| SDS-V3-plasma-46_Cluster_23_sequences | 3646     | 286    |
| SDS-V3-plasma-45_Cluster_240_sequences | 3576     | 282    |
| SDS-V3-plasma-46_Cluster_5_sequences | 3494      | 286    |
| SDS-V3-plasma-67_Cluster_102_sequences | 3488     | 504    |
| SDS-V3-plasma-7_Cluster_52_sequences | 3422      | 14     |
| SDS-V3-plasma-67_Cluster_564_sequences | 3385     | 504    |
| SDS-V3-plasma-67_Cluster_70_sequences | 3338      | 504    |
| SDS-V3-plasma-67_Cluster_166_sequences | 3277     | 504    |
| SDS-V3-plasma-45_Cluster_260_sequences | 3194     | 282    |
| SDS-V3-plasma-45_Cluster_153_sequences | 3176     | 282    |
| SDS-V3-plasma-67_Cluster_569_sequences | 3154     | 504    |
| SDS-V3-plasma-0_Cluster_118_sequences | 3121     | 0      |
| Cluster Name                        | Sequences | New Sequences |
|------------------------------------|-----------|---------------|
| SDS-V3-plasma-45_Cluster_315       | 3014      | 282           |
| SDS-V3-plasma-67_Cluster_136       | 2973      | 504           |
| SDS-V3-plasma-45_Cluster_404       | 2944      | 282           |
| SDS-V3-plasma-67_Cluster_175       | 2839      | 504           |
| SDS-V3-plasma-67_Cluster_518       | 2807      | 504           |
| SDS-V3-plasma-67_Cluster_262       | 2804      | 504           |
| SDS-V3-plasma-67_Cluster_463       | 2780      | 504           |
| SDS-V3-plasma-67_Cluster_296       | 2728      | 504           |
| SDS-V3-plasma-67_Cluster_170       | 2697      | 504           |
| SDS-V3-plasma-67_Cluster_378       | 2625      | 504           |
| SDS-V3-plasma-67_Cluster_12         | 2604      | 0             |
| SDS-V3-plasma-46_Cluster_65         | 2553      | 286           |
| SDS-V3-plasma-46_Cluster_135        | 2533      | 286           |
| SDS-V3-plasma-67_Cluster_319        | 2489      | 504           |
| SDS-V3-plasma-45_Cluster_429        | 2476      | 282           |
| SDS-V3-plasma-45_Cluster_162        | 2460      | 282           |
| SDS-V3-plasma-45_Cluster_388        | 2447      | 282           |
| SDS-V3-plasma-45_Cluster_209        | 2395      | 282           |
| SDS-V3-plasma-27_Cluster_37         | 2289      | 282           |
| SDS-V3-plasma-0_Cluster_116         | 2277      | 0             |
| SDS-V3-plasma-0_Cluster_72          | 2154      | 0             |
| SDS-V3-plasma-46_Cluster_230        | 2142      | 286           |
| SDS-V3-plasma-45_Cluster_460        | 2128      | 282           |
| SDS-V3-plasma-0_Cluster_84          | 2120      | 0             |
| SDS-V3-plasma-0_Cluster_58          | 2108      | 0             |
| SDS-V3-plasma-67_Cluster_329        | 2096      | 504           |
| SDS-V3-plasma-67_Cluster_276        | 2092      | 504           |
| SDS-V3-plasma-0_Cluster_38          | 2073      | 0             |
| SDS-V3-plasma-46_Cluster_104        | 2072      | 286           |
| SDS-V3-plasma-45_Cluster_258        | 2070      | 282           |
| SDS-V3-plasma-67_Cluster_548        | 2055      | 504           |
| SDS-V3-plasma-45_Cluster_163        | 2028      | 282           |
| SDS-V3-plasma-67_Cluster_800        | 1999      | 504           |
| SDS-V3-plasma-45_Cluster_167        | 1996      | 282           |
| SDS-V3-plasma-24_Cluster_137        | 1992      | 124           |
| SDS-V3-plasma-7_Cluster_41          | 1987      | 14             |
| SDS-V3-plasma-67_Cluster_192        | 1977      | 504           |
| SDS-V3-plasma-46_Cluster_200        | 1972      | 286           |
| SDS-V3-plasma-67_Cluster_432        | 1917      | 504           |
| SDS-V3-plasma-45_Cluster_366        | 1905      | 282           |
| SDS-V3-plasma-46_Cluster_197        | 1892      | 286           |
| SDS-V3-plasma-46_Cluster_233        | 1852      | 286           |
| SDS-V3-plasma-0_Cluster_190         | 1848      | 0             |
| SDS-V3-plasma-46_Cluster_269        | 1833      | 286           |
| SDS-V3-plasma-46_Cluster_115        | 1821      | 286           |
| Sample                        | Cluster       | Sequences | Length | Length
|-------------------------------|---------------|-----------|--------|--------|
| SDS-V3-PBMC-45_Cluster_15036 | 282           | 1785      |        |        |
| SDS-V3-plasma-8_Cluster_2260 | 16            | 1782      |        |        |
| SDS-V3-plasma-45_Cluster_400 | 282           | 1772      |        |        |
| SDS-V3-plasma-45_Cluster_253 | 282           | 1748      |        |        |
| SDS-V3-plasma-45_Cluster_417 | 282           | 1722      |        |        |
| SDS-V3-plasma-67_Cluster_269 | 504           | 1702      |        |        |
| SDS-V3-plasma-46_Cluster_67  | 286           | 1701      |        |        |
| SDS-V3-plasma-46_Cluster_185 | 286           | 1688      |        |        |
| SDS-V3-plasma-45_Cluster_411 | 282           | 1678      |        |        |
| SDS-V3-plasma-45_Cluster_266 | 282           | 1661      |        |        |
| SDS-V3-plasma-45_Cluster_576 | 282           | 1622      |        |        |
| SDS-V3-plasma-46_Cluster_151 | 286           | 1615      |        |        |
| SDS-V3-plasma-45_Cluster_515 | 282           | 1608      |        |        |
| SDS-V3-plasma-67_Cluster_36  | 504           | 1602      |        |        |
| SDS-V3-plasma-67_Cluster_119 | 504           | 1579      |        |        |
| SDS-V3-plasma-7_Cluster_66   | 14            | 1578      |        |        |
| SDS-V3-plasma-46_Cluster_122 | 286           | 1569      |        |        |
| SDS-V3-plasma-45_Cluster_345 | 282           | 1558      |        |        |
| SDS-V3-plasma-8_Cluster_2296 | 16            | 1535      |        |        |
| SDS-V3-plasma-45_Cluster_195 | 282           | 1535      |        |        |
| SDS-V3-plasma-0_Cluster_130  | 0             | 1534      |        |        |
| SDS-V3-plasma-46_Cluster_132 | 286           | 1436      |        |        |
| SDS-V3-plasma-45_Cluster_512 | 282           | 1425      |        |        |
| SDS-V3-plasma-67_Cluster_189 | 504           | 1415      |        |        |
| SDS-V3-plasma-46_Cluster_42  | 286           | 1391      |        |        |
| SDS-V3-plasma-8_Cluster_2325 | 16            | 1368      |        |        |
| SDS-V3-plasma-67_Cluster_213 | 504           | 1368      |        |        |
| SDS-V3-plasma-7_Cluster_44   | 14            | 1347      |        |        |
| SDS-V3-plasma-67_Cluster_60  | 504           | 1344      |        |        |
| SDS-V3-plasma-45_Cluster_381 | 282           | 1335      |        |        |
| SDS-V3-plasma-45_Cluster_441 | 282           | 1327      |        |        |
| SDS-V3-plasma-0_Cluster_135  | 0             | 1312      |        |        |
| SDS-V3-plasma-67_Cluster_581 | 504           | 1279      |        |        |
| SDS-V3-plasma-0_Cluster_126  | 0             | 1268      |        |        |
| SDS-V3-plasma-45_Cluster_493 | 282           | 1261      |        |        |
| SDS-V3-plasma-0_Cluster_74   | 0             | 1246      |        |        |
| SDS-V3-plasma-45_Cluster_245 | 282           | 1239      |        |        |
| SDS-V3-plasma-46_Cluster_174 | 286           | 1239      |        |        |
| SDS-V3-plasma-45_Cluster_179 | 282           | 1204      |        |        |
| SDS-V3-plasma-24_Cluster_73  | 124           | 1200      |        |        |
| SDS-V3-plasma-0_Cluster_104  | 0             | 1193      |        |        |
| SDS-V3-plasma-45_Cluster_36  | 282           | 1172      |        |        |
| SDS-V3-plasma-45_Cluster_149 | 282           | 1170      |        |        |
| SDS-V3-plasma-7_Cluster_43   | 14            | 1169      |        |        |
| SDS-V3-plasma-67_Cluster_1475| 504           | 1165      |        |        |
| Cluster Name | Sequences | Count |
|--------------|-----------|-------|
| SDS-V3-plasma-67_Cluster_313 | 1161 | 504 |
| SDS-V3-plasma-67_Cluster_48 | 1157 | 504 |
| SDS-V3-plasma-46_Cluster_109 | 1154 | 286 |
| SDS-V3-plasma-67_Cluster_451 | 1154 | 504 |
| SDS-V3-plasma-45_Cluster_979 | 1144 | 282 |
| SDS-V3-plasma-67_Cluster_144 | 1112 | 504 |
| SDS-V3-plasma-45_Cluster_207 | 1097 | 286 |
| SDS-V3-plasma-45_Cluster_98 | 1091 | 282 |
| SDS-V3-plasma-67_Cluster_181 | 1078 | 282 |
| SDS-V3-plasma-67_Cluster_573 | 1047 | 0 |
| SDS-V3-plasma-8_Cluster_2309 | 1040 | 16 |
| SDS-V3-plasma-67_Cluster_397 | 1038 | 504 |
| SDS-V3-plasma-45_Cluster_273 | 1036 | 282 |
| SDS-V3-plasma-7_Cluster_46 | 1034 | 14 |
| SDS-V3-plasma-45_Cluster_90 | 1034 | 282 |
| SDS-V3-plasma-67_Cluster_154 | 1033 | 504 |
| SDS-V3-plasma-0_Cluster_167 | 1025 | 0 |
| SDS-V3-plasma-67_Cluster_159 | 1018 | 504 |
| SDS-V3-plasma-45_Cluster_403 | 1000 | 282 |
| SDS-V3-plasma-45_Cluster_376 | 995 | 282 |
| SDS-V3-plasma-45_Cluster_265 | 986 | 282 |
| SDS-V3-plasma-45_Cluster_249 | 985 | 282 |
| SDS-V3-plasma-67_Cluster_658 | 971 | 504 |
| SDS-V3-plasma-67_Cluster_84 | 966 | 504 |
| SDS-V3-plasma-67_Cluster_975 | 955 | 504 |
| SDS-V3-plasma-67_Cluster_89 | 943 | 504 |
| SDS-V3-plasma-67_Cluster_253 | 939 | 504 |
| SDS-V3-plasma-67_Cluster_618 | 938 | 504 |
| SDS-V3-plasma-67_Cluster_123 | 927 | 504 |
| SDS-V3-plasma-45_Cluster_126 | 918 | 282 |
| SDS-V3-plasma-67_Cluster_412 | 908 | 504 |
| SDS-V3-plasma-45_Cluster_115 | 905 | 282 |
| SDS-V3-plasma-67_Cluster_851 | 898 | 504 |
| SDS-V3-plasma-67_Cluster_1196 | 898 | 504 |
| SDS-V3-plasma-0_Cluster_168 | 895 | 0 |
| SDS-V3-plasma-45_Cluster_199 | 893 | 282 |
| SDS-V3-plasma-67_Cluster_308 | 873 | 504 |
| SDS-V3-plasma-67_Cluster_578 | 871 | 504 |
| SDS-V3-plasma-67_Cluster_155 | 871 | 504 |
| SDS-V3-plasma-67_Cluster_21 | 859 | 504 |
| SDS-V3-plasma-8_Cluster_2318 | 853 | 16 |
| File Name                     | Number of Clusters | Sequences |
|------------------------------|--------------------|-----------|
| SDS-V3-plasma-8_Cluster_2314_sequences=853 | 16                 | 853       |
| SDS-V3-plasma-46_Cluster_78_sequences=840    | 286                | 840       |
| SDS-V3-plasma-67_Cluster_98_sequences=838    | 504                | 838       |
| SDS-V3-plasma-7_Cluster_16_sequences=835     | 14                 | 835       |
| SDS-V3-plasma-46_Cluster_36_sequences=835    | 286                | 835       |
| SDS-V3-plasma-46_Cluster_358_sequences=835   | 286                | 835       |
| SDS-V3-plasma-0_Cluster_537_sequences=826    | 0                  | 826       |
| SDS-V3-plasma-8_Cluster_2282_sequences=825   | 16                 | 825       |
| SDS-V3-plasma-67_Cluster_352_sequences=823   | 504                | 823       |
| SDS-V3-plasma-46_Cluster_214_sequences=821   | 286                | 821       |
| SDS-V3-plasma-67_Cluster_361_sequences=814   | 504                | 814       |
| SDS-V3-plasma-67_Cluster_1065_sequences=810  | 504                | 810       |
| SDS-V3-plasma-7_Cluster_58_sequences=809     | 14                 | 809       |
| SDS-V3-plasma-67_Cluster_2256_sequences=795  | 504                | 795       |
| SDS-V3-plasma-7_Cluster_77_sequences=786     | 14                 | 786       |
| SDS-V3-plasma-45_Cluster_175_sequences=784   | 282                | 784       |
| SDS-V3-plasma-46_Cluster_89_sequences=784    | 286                | 784       |
| SDS-V3-plasma-67_Cluster_211_sequences=784   | 504                | 784       |
| SDS-V3-plasma-46_Cluster_164_sequences=782   | 286                | 782       |
| SDS-V3-plasma-67_Cluster_848_sequences=782   | 504                | 782       |
| SDS-V3-plasma-67_Cluster_383_sequences=778   | 504                | 778       |
| SDS-V3-plasma-67_Cluster_544_sequences=777   | 504                | 777       |
| SDS-V3-plasma-67_Cluster_14018_sequences=776 | 504                | 776       |
| SDS-V3-plasma-7_Cluster_37_sequences=772     | 14                 | 772       |
| SDS-V3-plasma-7_Cluster_59_sequences=771     | 14                 | 771       |
| SDS-V3-plasma-45_Cluster_663_sequences=769   | 282                | 769       |
| SDS-V3-plasma-45_Cluster_1233_sequences=769  | 282                | 769       |
| SDS-V3-plasma-45_Cluster_680_sequences=763   | 282                | 763       |
| SDS-V3-plasma-46_Cluster_368_sequences=760   | 286                | 760       |
| SDS-V3-plasma-67_Cluster_1678_sequences=759  | 504                | 759       |
| SDS-V3-plasma-45_Cluster_1036_sequences=753  | 282                | 753       |
| SDS-V3-plasma-46_Cluster_47_sequences=750    | 286                | 750       |
| SDS-V3-plasma-46_Cluster_247_sequences=745   | 286                | 745       |
| SDS-V3-plasma-46_Cluster_501_sequences=744   | 504                | 744       |
| SDS-V3-plasma-45_Cluster_409_sequences=743   | 282                | 743       |
| SDS-V3-plasma-45_Cluster_437_sequences=742   | 282                | 742       |
| SDS-V3-plasma-67_Cluster_396_sequences=742   | 504                | 742       |
| SDS-V3-plasma-67_Cluster_1790_sequences=742  | 504                | 742       |
| SDS-V3-plasma-67_Cluster_1974_sequences=741  | 504                | 741       |
| SDS-V3-plasma-8_Cluster_2273_sequences=740   | 16                 | 740       |
| SDS-V3-plasma-67_Cluster_42_sequences=740    | 504                | 740       |
| SDS-V3-plasma-46_Cluster_136_sequences=733   | 286                | 733       |
| SDS-V3-plasma-7_Cluster_22_sequences=730     | 14                 | 730       |
| SDS-V3-plasma-46_Cluster_284_sequences=729   | 286                | 729       |
| SDS-V3-plasma-67_Cluster_385_sequences=729   | 504                | 729       |
SDS-V3-plasma-46_Cluster_116_sequences=727
SDS-V3-plasma-67_Cluster_1829_sequences=723
SDS-V3-plasma-8_Cluster_2390_sequences=719
SDS-V3-plasma-46_Cluster_147_sequences=719
SDS-V3-plasma-45_Cluster_879_sequences=717
SDS-V3-plasma-67_Cluster_242_sequences=714
SDS-V3-plasma-46_Cluster_191_sequences=704
SDS-V3-plasma-67_Cluster_816_sequences=708
SDS-V3-plasma-67_Cluster_87_sequences=707
SDS-V3-plasma-67_Cluster_420_sequences=701
SDS-V3-plasma-67_Cluster_1239_sequences=699
SDS-V3-plasma-67_Cluster_247_sequences=697
SDS-V3-plasma-67_Cluster_834_sequences=695
SDS-V3-plasma-67_Cluster_1268_sequences=694
SDS-V3-plasma-67_Cluster_971_sequences=690
SDS-V3-plasma-45_Cluster_354_sequences=692
SDS-V3-plasma-45_Cluster_397_sequences=691
SDS-V3-plasma-46_Cluster_780_sequences=688
SDS-V3-plasma-45_Cluster_540_sequences=683
SDS-V3-plasma-45_Cluster_424_sequences=683
SDS-V3-plasma-67_Cluster_688_sequences=682
SDS-V3-plasma-46_Cluster_94_sequences=681
SDS-V3-plasma-67_Cluster_233_sequences=680
SDS-V3-plasma-7_Cluster_862_sequences=630
SDS-V3-plasma-67_Cluster_1260_sequences=624
SDS-V3-plasma-67_Cluster_47_sequences=623
SDS-V3-plasma-67_Cluster_1264_sequences=621
SDS-V3-plasma-67_Cluster_67_sequences=619
| Cluster Name | Sequences |
|--------------|-----------|
| SDS-V3-plasma-67_Cluster_139 | 616 |
| SDS-V3-plasma-67_Cluster_2059 | 615 |
| SDS-V3-plasma-46_Cluster_146 | 614 |
| SDS-V3-plasma-67_Cluster_620 | 613 |
| SDS-V3-plasma-45_Cluster_627 | 610 |
| SDS-V3-plasma-46_Cluster_184 | 610 |
| SDS-V3-plasma-45_Cluster_802 | 603 |
| SDS-V3-plasma-67_Cluster_959 | 603 |
| SDS-V3-plasma-67_Cluster_955 | 600 |
| SDS-V3-plasma-67_Cluster_275 | 596 |
| SDS-V3-plasma-67_Cluster_723 | 593 |
| SDS-V3-plasma-46_Cluster_114 | 588 |
| SDS-V3-plasma-67_Cluster_407 | 588 |
| SDS-V3-plasma-45_Cluster_221 | 586 |
| SDS-V3-plasma-24_Cluster_148 | 583 |
| SDS-V3-plasma-67_Cluster_632 | 583 |
| SDS-V3-plasma-46_Cluster_95  | 582 |
| SDS-V3-plasma-7_Cluster_110 | 581 |
| SDS-V3-plasma-67_Cluster_270 | 581 |
| SDS-V3-plasma-67_Cluster_685 | 571 |
| SDS-V3-plasma-27_Cluster_74  | 569 |
| SDS-V3-plasma-67_Cluster_104 | 568 |
| SDS-V3-plasma-67_Cluster_108 | 567 |
| SDS-V3-plasma-67_Cluster_1795| 567 |
| SDS-V3-plasma-67_Cluster_215 | 567 |
| SDS-V3-plasma-45_Cluster_1802| 566 |
| SDS-V3-plasma-67_Cluster_656 | 565 |
| SDS-V3-plasma-45_Cluster_541 | 564 |
| SDS-V3-plasma-67_Cluster_1573| 564 |
| SDS-V3-plasma-67_Cluster_613 | 564 |
| SDS-V3-plasma-67_Cluster_773 | 562 |
| SDS-V3-plasma-67_Cluster_721 | 561 |
| SDS-V3-plasma-67_Cluster_494 | 557 |
| SDS-V3-plasma-46_Cluster_35  | 556 |
| SDS-V3-plasma-67_Cluster_125 | 555 |
| SDS-V3-plasma-67_Cluster_1562| 553 |
| SDS-V3-plasma-45_Cluster_52  | 549 |
| SDS-V3-plasma-8_Cluster_2258 | 548 |
| SDS-V3-plasma-45_Cluster_894 | 548 |
| SDS-V3-plasma-67_Cluster_1889| 545 |
| SDS-V3-plasma-67_Cluster_1105| 544 |
| SDS-V3-plasma-0_Cluster_288  | 543 |
| SDS-V3-plasma-46_Cluster_45  | 543 |
| SDS-V3-plasma-67_Cluster_639 | 541 |
| Cluster Name                      | Sequences | Size | Cluster Name                      | Sequences | Size |
|----------------------------------|-----------|------|----------------------------------|-----------|------|
| SDS-V3-plasma-67_Cluster_841     | 540       | 504  | SDS-V3-plasma-67_Cluster_678     | 539       | 504  |
| SDS-V3-plasma-67_Cluster_25      | 539       | 504  | SDS-V3-plasma-45_Cluster_1189    | 538       | 282  |
| SDS-V3-plasma-67_Cluster_1176    | 538       | 504  | SDS-V3-plasma-67_Cluster_238     | 538       | 504  |
| SDS-V3-plasma-67_Cluster_679     | 535       | 504  | SDS-V3-plasma-8_Cluster_2416     | 534       | 16   |
| SDS-V3-plasma-67_Cluster_5       | 533       | 504  | SDS-V3-plasma-67_Cluster_1151    | 530       | 504  |
| SDS-V3-plasma-67_Cluster_115     | 527       | 504  | SDS-V3-plasma-67_Cluster_81      | 525       | 504  |
| SDS-V3-plasma-67_Cluster_2513    | 524       | 504  | SDS-V3-plasma-67_Cluster_517     | 520       | 504  |
| SDS-V3-plasma-67_Cluster_1062    | 518       | 504  | SDS-V3-plasma-8_Cluster_2350     | 516       | 16   |
| SDS-V3-plasma-67_Cluster_422     | 512       | 504  | SDS-V3-plasma-45_Cluster_105     | 515       | 286  |
| SDS-V3-plasma-67_Cluster_4217    | 506       | 504  | SDS-V3-plasma-67_Cluster_442     | 512       | 504  |
| SDS-V3-plasma-0_Cluster_514      | 511       | 0    | SDS-V3-plasma-67_Cluster_482     | 510       | 504  |
| SDS-V3-plasma-67_Cluster_482     | 509       | 286  | SDS-V3-plasma-46_Cluster_724     | 509       | 286  |
| SDS-V3-plasma-67_Cluster_4217    | 506       | 504  | SDS-V3-plasma-67_Cluster_671     | 505       | 0    |
| SDS-V3-plasma-45_Cluster_438     | 505       | 282  | SDS-V3-plasma-67_Cluster_1031    | 502       | 504  |
| SDS-V3-plasma-67_Cluster_1031    | 502       | 504  | SDS-V3-plasma-0_Cluster_240      | 500       | 0    |
| SDS-V3-plasma-67_Cluster_633     | 498       | 504  | SDS-V3-plasma-45_Cluster_1135    | 496       | 282  |
| SDS-V3-plasma-45_Cluster_1135    | 496       | 282  | SDS-V3-plasma-45_Cluster_328     | 496       | 282  |
| SDS-V3-plasma-45_Cluster_328     | 496       | 282  | SDS-V3-plasma-67_Cluster_1622    | 495       | 504  |
| SDS-V3-plasma-7_Cluster_32       | 494       | 14   | SDS-V3-plasma-67_Cluster_2386    | 494       | 282  |
| SDS-V3-plasma-67_Cluster_898     | 494       | 504  | SDS-V3-plasma-67_Cluster_1117    | 494       | 504  |
| SDS-V3-plasma-67_Cluster_1117    | 494       | 504  | SDS-V3-plasma-67_Cluster_870     | 488       | 504  |
| SDS-V3-plasma-24_Cluster_117     | 485       | 124  | SDS-V3-plasma-67_Cluster_221     | 485       | 286  |
| SDS-V3-plasma-24_Cluster_95      | 484       | 124  | SDS-V3-plasma-24_Cluster_207     | 484       | 282  |
| SDS-V3-plasma-45_Cluster_207     | 484       | 282  | SDS-V3-plasma-46_Cluster_84      | 483       | 286  |
| SDS-V3-plasma-45_Cluster_352     | 479       | 282  | SDS-V3-plasma-7_Cluster_150      | 481       | 14   |
| SDS-V3-plasma-7_Cluster_374      | 481       | 504  | SDS-V3-plasma-7_Cluster_50       | 480       | 14   |
| SDS-V3-plasma-7_Cluster_50       | 480       | 14   | SDS-V3-plasma-45_Cluster_1061    | 478       | 282  |
| Cluster Name                  | Sequences |
|------------------------------|-----------|
| SDS-V3-plasma-67_Cluster_1481 | 504       |
| SDS-V3-plasma-27_Cluster_193  | 131       |
| SDS-V3-plasma-24_Cluster_74   | 124       |
| SDS-V3-plasma-67_Cluster_271  | 504       |
| SDS-V3-plasma-67_Cluster_607  | 504       |
| SDS-V3-plasma-67_Cluster_878  | 504       |
| SDS-V3-plasma-67_Cluster_1070 | 504       |
| SDS-V3-plasma-0_Cluster_178   | 0         |
| SDS-V3-plasma-67_Cluster_567  | 504       |
| SDS-V3-plasma-7_Cluster_194   | 14        |
| SDS-V3-plasma-45_Cluster_584  | 282       |
| SDS-V3-plasma-45_Cluster_621  | 282       |
| SDS-V3-plasma-67_Cluster_1757 | 504       |
| SDS-V3-plasma-27_Cluster_352  | 131       |
| SDS-V3-plasma-67_Cluster_112  | 504       |
| SDS-V3-plasma-67_Cluster_6862 | 504       |
| SDS-V3-plasma-7_Cluster_51    | 14        |
| SDS-V3-plasma-45_Cluster_2208 | 282       |
| SDS-V3-plasma-24_Cluster_258  | 124       |
| SDS-V3-plasma-45_Cluster_677  | 282       |
| SDS-V3-plasma-67_Cluster_1185 | 504       |
| SDS-V3-plasma-45_Cluster_1492 | 282       |
| SDS-V3-plasma-0_Cluster_33    | 0         |
| SDS-V3-plasma-45_Cluster_582  | 282       |
| SDS-V3-plasma-67_Cluster_1187 | 504       |
| SDS-V3-plasma-27_Cluster_80   | 131       |
| SDS-V3-plasma-45_Cluster_1027 | 282       |
| SDS-V3-plasma-45_Cluster_110  | 282       |
| SDS-V3-plasma-7_Cluster_94    | 14        |
| SDS-V3-plasma-46_Cluster_20   | 286       |
| SDS-V3-plasma-67_Cluster_1392 | 504       |
| SDS-V3-plasma-24_Cluster_108  | 124       |
| SDS-V3-plasma-7_Cluster_12    | 14        |
| SDS-V3-plasma-67_Cluster_1051 | 504       |
| SDS-V3-plasma-45_Cluster_1766 | 282       |
| SDS-V3-plasma-67_Cluster_573  | 504       |
| SDS-V3-plasma-0_Cluster_281   | 0         |
| SDS-V3-plasma-0_Cluster_120   | 0         |
| SDS-V3-plasma-45_Cluster_1577 | 282       |
| SDS-V3-plasma-45_Cluster_339  | 282       |
| SDS-V3-plasma-45_Cluster_419  | 282       |
| SDS-V3-plasma-45_Cluster_383  | 282       |
| SDS-V3-plasma-45_Cluster_573  | 282       |
| SDS-V3-plasma-46_Cluster_112_sequences=394 | 286  | 394 |
| SDS-V3-plasma-67_Cluster_2574_sequences=394 | 504  | 394 |
| SDS-V3-plasma-45_Cluster_974_sequences=393 | 282  | 393 |
| SDS-V3-plasma-67_Cluster_1941_sequences=393 | 504  | 393 |
| SDS-V3-plasma-67_Cluster_762_sequences=393 | 504  | 393 |
| SDS-V3-plasma-67_Cluster_425_sequences=391 | 504  | 391 |
| SDS-V3-plasma-0_Cluster_211_sequences=390 | 0    | 390 |
| SDS-V3-plasma-46_Cluster_1087_sequences=390 | 286  | 390 |
| SDS-V3-plasma-67_Cluster_345_sequences=390 | 504  | 390 |
| SDS-V3-plasma-67_Cluster_674_sequences=390 | 504  | 390 |
| SDS-V3-plasma-67_Cluster_806_sequences=387 | 504  | 387 |
| SDS-V3-plasma-67_Cluster_53_sequences=385 | 16   | 385 |
| SDS-V3-plasma-45_Cluster_797_sequences=385 | 282  | 385 |
| SDS-V3-plasma-45_Cluster_705_sequences=385 | 282  | 385 |
| SDS-V3-plasma-0_Cluster_206_sequences=383 | 0    | 383 |
| SDS-V3-plasma-45_Cluster_700_sequences=383 | 282  | 383 |
| SDS-V3-plasma-67_Cluster_667_sequences=382 | 504  | 382 |
| SDS-V3-plasma-45_Cluster_916_sequences=381 | 282  | 381 |
| SDS-V3-plasma-67_Cluster_1633_sequences=381 | 504  | 381 |
| SDS-V3-plasma-0_Cluster_699_sequences=379 | 0    | 379 |
| SDS-V3-plasma-67_Cluster_111_sequences=379 | 504  | 379 |
| SDS-V3-plasma-67_Cluster_1704_sequences=376 | 504  | 376 |
| SDS-V3-plasma-45_Cluster_1314_sequences=374 | 282  | 374 |
| SDS-V3-plasma-45_Cluster_136_sequences=374 | 282  | 374 |
| SDS-V3-plasma-46_Cluster_217_sequences=374 | 286  | 374 |
| SDS-V3-plasma-8_Cluster_2321_sequences=373 | 16   | 373 |
| SDS-V3-plasma-27_Cluster_158_sequences=373 | 131  | 373 |
| SDS-V3-plasma-67_Cluster_1009_sequences=372 | 504  | 372 |
| SDS-V3-plasma-7_Cluster_230_sequences=371 | 14   | 371 |
| SDS-V3-plasma-45_Cluster_1121_sequences=371 | 282  | 371 |
| SDS-V3-plasma-24_Cluster_283_sequences=370 | 124  | 370 |
| SDS-V3-plasma-45_Cluster_683_sequences=370 | 282  | 370 |
| SDS-V3-plasma-46_Cluster_333_sequences=370 | 286  | 370 |
| SDS-V3-plasma-67_Cluster_372_sequences=368 | 504  | 368 |
| SDS-V3-plasma-67_Cluster_1242_sequences=366 | 504  | 366 |
| SDS-V3-plasma-67_Cluster_113_sequences=366 | 504  | 366 |
| SDS-V3-plasma-0_Cluster_49_sequences=365 | 0    | 365 |
| SDS-V3-plasma-46_Cluster_623_sequences=365 | 286  | 365 |
| SDS-V3-plasma-46_Cluster_638_sequences=365 | 286  | 365 |
| SDS-V3-plasma-67_Cluster_332_sequences=365 | 504  | 365 |
| SDS-V3-plasma-45_Cluster_40136_sequences=364 | 282  | 364 |
| SDS-V3-plasma-67_Cluster_931_sequences=363 | 504  | 363 |
| SDS-V3-plasma-67_Cluster_1324_sequences=363 | 504  | 363 |
| SDS-V3-plasma-67_Cluster_1387_sequences=362 | 504  | 362 |
| Cluster Name                          | Sequences | Start | End   |
|--------------------------------------|-----------|-------|-------|
| SDS-V3-plasma-67_Cluster_195         | 361       | 504   | 361   |
| SDS-V3-plasma-67_Cluster_3428        | 359       | 504   | 359   |
| SDS-V3-plasma-67_Cluster_2603        | 359       | 504   | 359   |
| SDS-V3-plasma-67_Cluster_1074        | 359       | 504   | 359   |
| SDS-V3-plasma-24_Cluster_18          | 358       | 124   | 358   |
| SDS-V3-plasma-45_Cluster_1564        | 358       | 282   | 358   |
| SDS-V3-plasma-45_Cluster_900         | 358       | 282   | 358   |
| SDS-V3-plasma-7_Cluster_63           | 357       | 14    | 357   |
| SDS-V3-plasma-45_Cluster_2274        | 357       | 282   | 357   |
| SDS-V3-plasma-45_Cluster_426         | 357       | 282   | 357   |
| SDS-V3-plasma-45_Cluster_1588        | 356       | 282   | 356   |
| SDS-V3-plasma-45_Cluster_1094        | 356       | 282   | 356   |
| SDS-V3-plasma-45_Cluster_1927        | 353       | 282   | 353   |
| SDS-V3-plasma-8_Cluster_809          | 351       | 0     | 351   |
| SDS-V3-plasma-46_Cluster_2288        | 351       | 16    | 351   |
| SDS-V3-plasma-46_Cluster_686         | 350       | 286   | 350   |
| SDS-V3-plasma-46_Cluster_789         | 350       | 286   | 350   |
| SDS-V3-plasma-67_Cluster_563         | 350       | 504   | 350   |
| SDS-V3-plasma-46_Cluster_386         | 349       | 286   | 349   |
| SDS-V3-plasma-67_Cluster_751         | 347       | 504   | 347   |
| SDS-V3-plasma-67_Cluster_1137        | 347       | 504   | 347   |
| SDS-V3-plasma-0_Cluster_465          | 346       | 0     | 346   |
| SDS-V3-plasma-45_Cluster_469         | 346       | 282   | 346   |
| SDS-V3-plasma-67_Cluster_481         | 346       | 504   | 346   |
| SDS-V3-plasma-45_Cluster_751         | 345       | 282   | 345   |
| SDS-V3-plasma-67_Cluster_547         | 345       | 504   | 345   |
| SDS-V3-plasma-45_Cluster_531         | 343       | 282   | 343   |
| SDS-V3-plasma-45_Cluster_1936        | 341       | 282   | 341   |
| SDS-V3-plasma-24_Cluster_43          | 339       | 124   | 339   |
| SDS-V3-plasma-24_Cluster_191         | 337       | 124   | 337   |
| SDS-V3-plasma-45_Cluster_337         | 337       | 282   | 337   |
| SDS-V3-plasma-67_Cluster_1415        | 337       | 504   | 337   |
| SDS-V3-plasma-45_Cluster_256         | 336       | 282   | 336   |
| SDS-V3-plasma-67_Cluster_1138        | 336       | 504   | 336   |
| SDS-V3-plasma-45_Cluster_536         | 334       | 282   | 334   |
| SDS-V3-plasma-67_Cluster_330         | 334       | 504   | 334   |
| SDS-V3-plasma-67_Cluster_428         | 334       | 504   | 334   |
| SDS-V3-plasma-27_Cluster_5           | 333       | 131   | 333   |
| SDS-V3-plasma-45_Cluster_63          | 332       | 282   | 332   |
| SDS-V3-plasma-45_Cluster_218         | 332       | 282   | 332   |
| SDS-V3-plasma-7_Cluster_101          | 331       | 14    | 331   |
| SDS-V3-plasma-67_Cluster_565         | 331       | 504   | 331   |
| SDS-V3-plasma-45_Cluster_1152        | 330       | 282   | 330   |
| SDS-V3-plasma-45_Cluster_760         | 330       | 282   | 330   |
| SDS-V3-plasma-67_Cluster_1912        | 330       | 504   | 330   |
| SDS-V3-plasma-67_Cluster_1912        | 330       | 504   | 330   |
| SDS-V3-plasma-24_Cluster_67          | 330       | 504   | 330   |
| SDS-V3-plasma-45_Cluster_1074        | 330       | 504   | 330   |
| SDS-V3-plasma-45_Cluster_67          | 330       | 504   | 330   |
| SDS-V3-plasma-67_Cluster_1074        | 330       | 504   | 330   |
| SDS-V3-plasma-67_Cluster_195         | 330       | 504   | 330   |
| Cluster Name | Sequence Count | SDS-V3-plasma-45_Cluster_2150_sequences=329 | 282 | 329 |
|-------------|----------------|-----------------------------------------------|-----|-----|
| SDS-V3-plasma-46_Cluster_181_sequences=328 | 286 | 328 |
| SDS-V3-plasma-67_Cluster_842_sequences=326 | 504 | 326 |
| SDS-V3-plasma-8_Cluster_2323_sequences=325 | 16 | 325 |
| SDS-V3-plasma-67_Cluster_958_sequences=322 | 504 | 322 |
| SDS-V3-plasma-0_Cluster_630_sequences=321 | 0 | 321 |
| SDS-V3-plasma-7_Cluster_443_sequences=321 | 14 | 321 |
| SDS-V3-plasma-45_Cluster_489_sequences=321 | 282 | 321 |
| SDS-V3-plasma-67_Cluster_406_sequences=321 | 504 | 321 |
| SDS-V3-plasma-7_Cluster_86_sequences=320 | 14 | 320 |
| SDS-V3-plasma-45_Cluster_666_sequences=319 | 282 | 320 |
| SDS-V3-plasma-67_Cluster_467_sequences=318 | 504 | 319 |
| SDS-V3-plasma-24_Cluster_2563_sequences=318 | 124 | 318 |
| SDS-V3-plasma-46_Cluster_980_sequences=318 | 286 | 318 |
| SDS-V3-plasma-67_Cluster_114_sequences=318 | 504 | 318 |
| SDS-V3-plasma-67_Cluster_234_sequences=317 | 504 | 317 |
| SDS-V3-plasma-67_Cluster_668_sequences=316 | 504 | 316 |
| SDS-V3-plasma-46_Cluster_430_sequences=315 | 286 | 315 |
| SDS-V3-plasma-24_Cluster_381_sequences=314 | 124 | 314 |
| SDS-V3-plasma-67_Cluster_1574_sequences=314 | 504 | 314 |
| SDS-V3-plasma-8_Cluster_2528_sequences=313 | 16 | 313 |
| SDS-V3-plasma-45_Cluster_1099_sequences=313 | 282 | 313 |
| SDS-V3-plasma-46_Cluster_791_sequences=313 | 286 | 313 |
| SDS-V3-plasma-67_Cluster_636_sequences=313 | 504 | 313 |
| SDS-V3-plasma-45_Cluster_2583_sequences=312 | 282 | 312 |
| SDS-V3-plasma-67_Cluster_399_sequences=312 | 504 | 312 |
| SDS-V3-plasma-0_Cluster_1034_sequences=311 | 0 | 311 |
| SDS-V3-plasma-45_Cluster_2588_sequences=311 | 282 | 311 |
| SDS-V3-plasma-45_Cluster_1387_sequences=311 | 282 | 311 |
| SDS-V3-plasma-67_Cluster_791_sequences=311 | 504 | 311 |
| SDS-V3-plasma-67_Cluster_853_sequences=311 | 504 | 311 |
| SDS-V3-plasma-67_Cluster_233_sequences=311 | 504 | 311 |
| SDS-V3-plasma-67_Cluster_250_sequences=309 | 504 | 309 |
| SDS-V3-plasma-7_Cluster_201_sequences=307 | 14 | 307 |
| SDS-V3-plasma-67_Cluster_584_sequences=307 | 504 | 307 |
| SDS-V3-plasma-67_Cluster_610_sequences=307 | 504 | 307 |
| SDS-V3-plasma-45_Cluster_919_sequences=306 | 282 | 306 |
| SDS-V3-plasma-67_Cluster_1709_sequences=306 | 504 | 306 |
| SDS-V3-plasma-0_Cluster_230_sequences=305 | 0 | 305 |
| SDS-V3-plasma-67_Cluster_2255_sequences=305 | 504 | 305 |
| SDS-V3-plasma-0_Cluster_89_sequences=304 | 0 | 304 |
| SDS-V3-plasma-7_Cluster_93_sequences=304 | 14 | 304 |
| SDS-V3-plasma-0_Cluster_267_sequences=303 | 0 | 303 |
| SDS-V3-plasma-0_Cluster_162_sequences=303 | 0 | 303 |
| SDS-V3-plasma-45_Cluster_1734_sequences=303 | 282 | 303 |
| Sample Type                  | Cluster     | Sequences |
|-----------------------------|-------------|-----------|
| SDS-V3-plasma-67_Cluster_302 | 303         | 504       |
| SDS-V3-plasma-67_Cluster_731 | 303         | 504       |
| SDS-V3-plasma-67_Cluster_665 | 301         | 504       |
| SDS-V3-plasma-45_Cluster_623 | 297         | 504       |
| SDS-V3-plasma-46_Cluster_150 | 297         | 504       |
| SDS-V3-plasma-67_Cluster_612 | 297         | 504       |
| SDS-V3-plasma-67_Cluster_1471| 297         | 504       |
| SDS-V3-plasma-67_Cluster_884 | 297         | 504       |
| SDS-V3-plasma-67_Cluster_337 | 296         | 504       |
| SDS-V3-plasma-67_Cluster_807 | 296         | 504       |
| SDS-V3-plasma-0_Cluster_517  | 294         | 504       |
| SDS-V3-plasma-45_Cluster_1781| 294         | 504       |
| SDS-V3-plasma-46_Cluster_1176| 294         | 504       |
| SDS-V3-plasma-67_Cluster_744 | 294         | 504       |
| SDS-V3-plasma-67_Cluster_2384| 294         | 504       |
| SDS-V3-plasma-24_Cluster_295 | 293         | 504       |
| SDS-V3-plasma-0_Cluster_1226 | 292         | 504       |
| SDS-V3-plasma-46_Cluster_272  | 292         | 504       |
| SDS-V3-plasma-67_Cluster_798  | 291         | 504       |
| SDS-V3-plasma-67_Cluster_373  | 291         | 504       |
| SDS-V3-plasma-45_Cluster_840  | 290         | 504       |
| SDS-V3-plasma-46_Cluster_389  | 290         | 504       |
| SDS-V3-plasma-7_Cluster_87    | 288         | 504       |
| SDS-V3-plasma-67_Cluster_219  | 288         | 504       |
| SDS-V3-plasma-67_Cluster_61   | 288         | 504       |
| SDS-V3-plasma-45_Cluster_1162 | 287         | 504       |
| SDS-V3-plasma-67_Cluster_3480 | 287         | 504       |
| SDS-V3-plasma-27_Cluster_106  | 286         | 504       |
| SDS-V3-plasma-45_Cluster_1257 | 286         | 504       |
| SDS-V3-plasma-45_Cluster_691  | 286         | 504       |
| SDS-V3-plasma-67_Cluster_3926 | 286         | 504       |
| SDS-V3-plasma-67_Cluster_803  | 286         | 504       |
| SDS-V3-plasma-45_Cluster_617  | 285         | 504       |
| SDS-V3-plasma-67_Cluster_2161 | 285         | 504       |
| SDS-V3-plasma-67_Cluster_1722 | 285         | 504       |
| SDS-V3-plasma-67_Cluster_363  | 284         | 504       |
| SDS-V3-plasma-67_Cluster_93   | 284         | 504       |
| SDS-V3-plasma-27_Cluster_66   | 283         | 504       |
| SDS-V3-plasma-8_Cluster_2386  | 282         | 16        |
| SDS-V3-plasma-27_Cluster_42   | 281         | 131       |
| SDS-V3-plasma-27_Cluster_229  | 279         | 131       |
| SDS-V3-plasma-27_Cluster_174  | 279         | 131       |
| SDS-V3-plasma-67_Cluster_1546 | 279         | 504       |
| SDS-V3-plasma-27_Cluster_146  | 278         | 131       |
| SDS-V3-plasma-67_Cluster_1992 | 278         | 504       |
| Sample Description                           | Sequences |
|---------------------------------------------|-----------|
| SDS-V3-plasma-45_Cluster_1873_sequences=277 | 282       |
| SDS-V3-plasma-67_Cluster_405_sequences=277  | 504       |
| SDS-V3-plasma-27_Cluster_684_sequences=276 | 131       |
| SDS-V3-plasma-45_Cluster_1704_sequences=276 | 282       |
| SDS-V3-plasma-67_Cluster_1742_sequences=276 | 504       |
| SDS-V3-plasma-67_Cluster_82_sequences=276   | 504       |
| SDS-V3-plasma-67_Cluster_559_sequences=277  | 504       |
| SDS-V3-plasma-0_Cluster_1444_sequences=274  | 0         |
| SDS-V3-plasma-46_Cluster_445_sequences=274  | 286       |
| SDS-V3-plasma-67_Cluster_3164_sequences=274 | 504       |
| SDS-V3-plasma-24_Cluster_270_sequences=273  | 124       |
| SDS-V3-plasma-67_Cluster_1710_sequences=272 | 504       |
| SDS-V3-plasma-67_Cluster_2899_sequences=272 | 504       |
| SDS-V3-plasma-24_Cluster_35_sequences=271   | 124       |
| SDS-V3-plasma-67_Cluster_596_sequences=271  | 504       |
| SDS-V3-plasma-24_Cluster_567_sequences=270  | 124       |
| SDS-V3-plasma-67_Cluster_2696_sequences=270 | 504       |
| SDS-V3-plasma-67_Cluster_435_sequences=270  | 504       |
| SDS-V3-plasma-0_Cluster_294_sequences=269   | 0         |
| SDS-V3-plasma-45_Cluster_1017_sequences=269 | 282       |
| SDS-V3-plasma-46_Cluster_479_sequences=269  | 286       |
| SDS-V3-plasma-0_Cluster_439_sequences=268   | 0         |
| SDS-V3-plasma-27_Cluster_122_sequences=268  | 131       |
| SDS-V3-plasma-67_Cluster_1460_sequences=268 | 504       |
| SDS-V3-plasma-67_Cluster_536_sequences=268  | 504       |
| SDS-V3-plasma-67_Cluster_3194_sequences=267 | 504       |
| SDS-V3-plasma-67_Cluster_160_sequences=267  | 504       |
| SDS-V3-plasma-8_Cluster_2263_sequences=266  | 16        |
| SDS-V3-plasma-67_Cluster_1491_sequences=266 | 504       |
| SDS-V3-plasma-46_Cluster_13_sequences=265   | 286       |
| SDS-V3-plasma-67_Cluster_2911_sequences=265 | 504       |
| SDS-V3-plasma-0_Cluster_343_sequences=264   | 0         |
| SDS-V3-plasma-67_Cluster_200_sequences=263  | 504       |
| SDS-V3-plasma-67_Cluster_1632_sequences=263 | 504       |
| SDS-V3-plasma-67_Cluster_515_sequences=263  | 504       |
| SDS-V3-plasma-45_Cluster_5172_sequences=262 | 282       |
| SDS-V3-plasma-67_Cluster_2089_sequences=262 | 504       |
| SDS-V3-plasma-45_Cluster_1407_sequences=261 | 282       |
| SDS-V3-plasma-67_Cluster_1355_sequences=261 | 504       |
| SDS-V3-plasma-67_Cluster_522_sequences=261  | 504       |
| SDS-V3-plasma-67_Cluster_970_sequences=261  | 504       |
| SDS-V3-plasma-67_Cluster_713_sequences=261  | 504       |
| SDS-V3-plasma-46_Cluster_367_sequences=260  | 286       |
| SDS-V3-plasma-67_Cluster_2441_sequences=260 | 504       |
| SDS-V3-plasma-0_Cluster_124_sequences=259   | 0         |
| SDS-V3-plasma-67_Cluster_2310_sequences | 241 | 504 | 241 |
| SDS-V3-plasma-67_Cluster_474_sequences | 241 | 504 | 241 |
| SDS-V3-plasma-67_Cluster_549_sequences | 241 | 504 | 241 |
| SDS-V3-plasma-45_Cluster_950_sequences | 240 | 282 | 240 |
| SDS-V3-plasma-45_Cluster_405_sequences | 240 | 282 | 240 |
| SDS-V3-plasma-45_Cluster_2122_sequences | 240 | 282 | 240 |
| SDS-V3-plasma-67_Cluster_1590_sequences | 240 | 504 | 240 |
| SDS-V3-plasma-45_Cluster_399_sequences | 240 | 282 | 239 |
| SDS-V3-plasma-45_Cluster_699_sequences | 240 | 282 | 239 |
| SDS-V3-plasma-46_Cluster_444_sequences | 240 | 286 | 239 |
| SDS-V3-plasma-67_Cluster_2043_sequences | 239 | 504 | 239 |
| SDS-V3-plasma-0_Cluster_482_sequences | 238 | 0 | 238 |
| SDS-V3-plasma-67_Cluster_3614_sequences | 238 | 504 | 238 |
| SDS-V3-plasma-24_Cluster_132_sequences | 237 | 124 | 237 |
| SDS-V3-plasma-27_Cluster_6_sequences | 237 | 131 | 237 |
| SDS-V3-plasma-46_Cluster_513_sequences | 237 | 286 | 237 |
| SDS-V3-plasma-46_Cluster_446_sequences | 237 | 286 | 237 |
| SDS-V3-plasma-67_Cluster_2038_sequences | 237 | 504 | 237 |
| SDS-V3-plasma-67_Cluster_41_sequences | 237 | 504 | 237 |
| SDS-V3-plasma-67_Cluster_35_sequences | 237 | 504 | 237 |
| SDS-V3-plasma-8_Cluster_30_sequences | 235 | 16 | 235 |
| SDS-V3-plasma-45_Cluster_280_sequences | 235 | 282 | 235 |
| SDS-V3-plasma-46_Cluster_738_sequences | 235 | 286 | 235 |
| SDS-V3-plasma-67_Cluster_883_sequences | 235 | 504 | 235 |
| SDS-V3-plasma-67_Cluster_237_sequences | 235 | 504 | 235 |
| SDS-V3-plasma-45_Cluster_191_sequences | 234 | 282 | 234 |
| SDS-V3-plasma-27_Cluster_590_sequences | 233 | 131 | 233 |
| SDS-V3-plasma-67_Cluster_2566_sequences | 233 | 504 | 233 |
| SDS-V3-plasma-67_Cluster_137_sequences | 233 | 504 | 233 |
| SDS-V3-plasma-8_Cluster_2394_sequences | 232 | 16 | 232 |
| SDS-V3-plasma-24_Cluster_10_sequences | 232 | 124 | 232 |
| SDS-V3-plasma-27_Cluster_108_sequences | 232 | 131 | 232 |
| SDS-V3-plasma-67_Cluster_2566_sequences | 232 | 504 | 232 |
| SDS-V3-plasma-0_Cluster_65_sequences | 231 | 0 | 231 |
| SDS-V3-plasma-45_Cluster_254_sequences | 231 | 282 | 231 |
| SDS-V3-plasma-67_Cluster_2199_sequences | 231 | 504 | 231 |
| SDS-V3-plasma-67_Cluster_3013_sequences | 231 | 504 | 231 |
| SDS-V3-plasma-67_Cluster_56_sequences | 231 | 504 | 231 |
| SDS-V3-plasma-45_Cluster_101_sequences | 230 | 282 | 230 |
| SDS-V3-plasma-45_Cluster_4703_sequences | 229 | 282 | 229 |
| SDS-V3-plasma-0_Cluster_589_sequences | 228 | 0 | 228 |
| SDS-V3-plasma-24_Cluster_390_sequences | 228 | 124 | 228 |
| SDS-V3-plasma-45_Cluster_1410_sequences | 228 | 282 | 228 |
| SDS-V3-plasma-67_Cluster_2719_sequences | 228 | 504 | 228 |
| SDS-V3-plasma-0_Cluster_50_sequences | 227 | 0 | 227 |
| Sample                | Cluster     | Sequences |
|----------------------|-------------|-----------|
| SDS-V3-plasma-27     | Cluster 351 | 131       |
|                      |             | 227       |
| SDS-V3-plasma-45     | Cluster 3505| 282       |
|                      |             | 227       |
| SDS-V3-plasma-45     | Cluster 1223| 282       |
|                      |             | 227       |
| SDS-V3-plasma-45     | Cluster 11870| 282      |
|                      |             | 227       |
| SDS-V3-plasma-67     | Cluster 863 | 504       |
|                      |             | 227       |
| SDS-V3-plasma-67     | Cluster 2654| 504       |
|                      |             | 227       |
| SDS-V3-plasma-45     | Cluster 494 | 282       |
|                      |             | 226       |
| SDS-V3-plasma-67     | Cluster 1729| 504       |
|                      |             | 226       |
| SDS-V3-plasma-46     | Cluster 492 | 286       |
|                      |             | 225       |
| SDS-V3-plasma-67     | Cluster 1603| 504       |
|                      |             | 225       |
| SDS-V3-plasma-67     | Cluster 1223| 504       |
|                      |             | 225       |
| SDS-V3-plasma-67     | Cluster 833 | 504       |
|                      |             | 225       |
| SDS-V3-plasma-67     | Cluster 1249| 504       |
|                      |             | 224       |
| SDS-V3-plasma-7      | Cluster 189 | 14        |
|                      |             | 223       |
| SDS-V3-plasma-45     | Cluster 2724| 282       |
|                      |             | 223       |
| SDS-V3-plasma-67     | Cluster 1381| 504       |
|                      |             | 223       |
| SDS-V3-plasma-0      | Cluster 153 | 0         |
|                      |             | 222       |
| SDS-V3-plasma-0      | Cluster 638 | 0         |
|                      |             | 222       |
| SDS-V3-plasma-7      | Cluster 1   | 14        |
|                      |             | 222       |
| SDS-V3-plasma-67     | Cluster 2555| 504       |
|                      |             | 222       |
| SDS-V3-plasma-67     | Cluster 3476| 504       |
|                      |             | 222       |
| SDS-V3-plasma-67     | Cluster 520 | 504       |
|                      |             | 222       |
| SDS-V3-plasma-67     | Cluster 3119| 504       |
|                      |             | 222       |
| SDS-V3-plasma-0      | Cluster 159 | 0         |
|                      |             | 221       |
| SDS-V3-plasma-45     | Cluster 2419| 282       |
|                      |             | 221       |
| SDS-V3-plasma-46     | Cluster 360 | 286       |
|                      |             | 221       |
| SDS-V3-plasma-67     | Cluster 734 | 504       |
|                      |             | 221       |
| SDS-V3-plasma-67     | Cluster 2259| 504       |
|                      |             | 221       |
| SDS-V3-plasma-7      | Cluster 283 | 14        |
|                      |             | 220       |
| SDS-V3-plasma-8      | Cluster 2473| 16        |
|                      |             | 220       |
| SDS-V3-plasma-45     | Cluster 2908| 282       |
|                      |             | 220       |
| SDS-V3-plasma-67     | Cluster 2643| 504       |
|                      |             | 220       |
| SDS-V3-plasma-67     | Cluster 2629| 504       |
|                      |             | 220       |
| SDS-V3-plasma-67     | Cluster 752 | 504       |
|                      |             | 220       |
| SDS-V3-plasma-0      | Cluster 56  | 0         |
|                      |             | 219       |
| SDS-V3-plasma-0      | Cluster 90  | 0         |
|                      |             | 219       |
| SDS-V3-plasma-7      | Cluster 265 | 14        |
|                      |             | 219       |
| SDS-V3-plasma-24     | Cluster 179 | 124       |
|                      |             | 219       |
| SDS-V3-plasma-45     | Cluster 77  | 282       |
|                      |             | 219       |
| SDS-V3-plasma-27     | Cluster 252 | 131       |
|                      |             | 218       |
| SDS-V3-plasma-45     | Cluster 38  | 282       |
|                      |             | 218       |
| SDS-V3-plasma-7      | Cluster 323 | 14        |
|                      |             | 217       |
| SDS-V3-plasma-46     | Cluster 409 | 286       |
|                      |             | 217       |
| SDS-V3-plasma-7      | Cluster 659 | 14        |
|                      |             | 216       |
| SDS-V3-plasma-45     | Cluster 302 | 282       |
|                      |             | 216       |
SDS-V3-plasma-45_Cluster_448_sequences=216  282  216
SDS-V3-plasma-46_Cluster_640_sequences=216  286  216
SDS-V3-plasma-67_Cluster_408_sequences=216  504  216
SDS-V3-plasma-24_Cluster_130_sequences=215  124  215
SDS-V3-plasma-45_Cluster_2587_sequences=215  282  215
SDS-V3-plasma-46_Cluster_545_sequences=215  286  215
SDS-V3-plasma-67_Cluster_3806_sequences=215  504  215
SDS-V3-plasma-45_Cluster_1458_sequences=214  282  214
SDS-V3-plasma-67_Cluster_398_sequences=214  504  214
SDS-V3-plasma-27_Cluster_133_sequences=213  131  213
SDS-V3-plasma-67_Cluster_83_sequences=213  504  213
SDS-V3-plasma-27_Cluster_284_sequences=212  131  212
SDS-V3-plasma-46_Cluster_868_sequences=212  286  212
SDS-V3-plasma-46_Cluster_859_sequences=212  286  212
SDS-V3-plasma-67_Cluster_438_sequences=212  504  212
SDS-V3-plasma-67_Cluster_130_sequences=212  504  212
SDS-V3-plasma-7_Cluster_720_sequences=211  14  211
SDS-V3-plasma-67_Cluster_1638_sequences=211  504  211
SDS-V3-plasma-0_Cluster_247_sequences=210  0  210
SDS-V3-plasma-45_Cluster_805_sequences=210  282  210
SDS-V3-plasma-45_Cluster_2996_sequences=210  282  210
SDS-V3-plasma-46_Cluster_365_sequences=210  286  210
SDS-V3-plasma-67_Cluster_2270_sequences=210  504  210
SDS-V3-plasma-67_Cluster_1139_sequences=209  504  209
SDS-V3-plasma-0_Cluster_2080_sequences=208  0  208
SDS-V3-plasma-0_Cluster_636_sequences=208  0  208
SDS-V3-plasma-24_Cluster_122_sequences=208  124  208
SDS-V3-plasma-67_Cluster_475_sequences=208  504  208
SDS-V3-plasma-67_Cluster_952_sequences=208  504  208
SDS-V3-plasma-45_Cluster_449_sequences=207  282  207
SDS-V3-plasma-27_Cluster_184_sequences=206  131  206
SDS-V3-plasma-45_Cluster_615_sequences=206  282  206
SDS-V3-plasma-0_Cluster_836_sequences=205  0  205
SDS-V3-plasma-45_Cluster_1248_sequences=205  282  205
SDS-V3-plasma-46_Cluster_502_sequences=205  286  205
SDS-V3-plasma-67_Cluster_333_sequences=205  504  205
SDS-V3-plasma-67_Cluster_322_sequences=205  504  205
SDS-V3-plasma-45_Cluster_442_sequences=204  282  204
SDS-V3-plasma-45_Cluster_808_sequences=204  282  204
SDS-V3-plasma-45_Cluster_362_sequences=204  282  204
SDS-V3-plasma-67_Cluster_1208_sequences=204  504  204
SDS-V3-plasma-27_Cluster_903_sequences=203  131  203
SDS-V3-plasma-45_Cluster_561_sequences=203  282  203
SDS-V3-plasma-46_Cluster_352_sequences=202  286  202
| Dataset | Cluster Name | Sequences |
|---------|--------------|-----------|
| SDS-V3-plasma-46_Cluster_314 | 202 | 286 | 202 |
| SDS-V3-plasma-46_Cluster_245 | 202 | 286 | 202 |
| SDS-V3-plasma-67_Cluster_2931 | 202 | 504 | 202 |
| SDS-V3-plasma-67_Cluster_2029 | 202 | 504 | 202 |
| SDS-V3-plasma-67_Cluster_1459 | 202 | 504 | 202 |
| SDS-V3-plasma-24_Cluster_11 | 201 | 124 | 201 |
| SDS-V3-plasma-45_Cluster_1992 | 201 | 282 | 201 |
| SDS-V3-plasma-46_Cluster_1435 | 201 | 286 | 201 |
| SDS-V3-plasma-45_Cluster_3031 | 200 | 282 | 200 |
| SDS-V3-plasma-45_Cluster_3160 | 200 | 282 | 200 |
| SDS-V3-plasma-67_Cluster_540 | 200 | 504 | 200 |
| SDS-V3-plasma-67_Cluster_540 | 200 | 504 | 200 |
| SDS-V3-plasma-0_Cluster_189 | 199 | 0 | 199 |
| SDS-V3-plasma-24_Cluster_221 | 199 | 124 | 199 |
| SDS-V3-plasma-45_Cluster_311 | 199 | 282 | 199 |
| SDS-V3-plasma-45_Cluster_311 | 198 | 282 | 198 |
| SDS-V3-plasma-7_Cluster_31 | 198 | 14 | 198 |
| SDS-V3-plasma-24_Cluster_38 | 198 | 124 | 198 |
| SDS-V3-plasma-45_Cluster_1412 | 198 | 282 | 198 |
| SDS-V3-plasma-67_Cluster_712 | 198 | 504 | 198 |
| SDS-V3-plasma-67_Cluster_2511 | 198 | 504 | 198 |
| SDS-V3-plasma-67_Cluster_75 | 198 | 504 | 198 |
| SDS-V3-plasma-67_Cluster_410 | 198 | 504 | 198 |
| SDS-V3-plasma-67_Cluster_1718 | 198 | 504 | 198 |
| SDS-V3-plasma-67_Cluster_64 | 198 | 504 | 198 |
| SDS-V3-plasma-45_Cluster_2898 | 197 | 282 | 197 |
| SDS-V3-plasma-45_Cluster_2142 | 197 | 282 | 197 |
| SDS-V3-plasma-45_Cluster_1272 | 197 | 282 | 197 |
| SDS-V3-plasma-67_Cluster_1055 | 197 | 504 | 197 |
| SDS-V3-plasma-67_Cluster_626 | 197 | 504 | 197 |
| SDS-V3-plasma-67_Cluster_1002 | 196 | 0 | 196 |
| SDS-V3-plasma-8_Cluster_2284 | 196 | 16 | 196 |
| SDS-V3-plasma-45_Cluster_1097 | 196 | 282 | 196 |
| SDS-V3-plasma-0_Cluster_394 | 195 | 0 | 195 |
| SDS-V3-plasma-0_Cluster_106 | 195 | 0 | 195 |
| SDS-V3-plasma-45_Cluster_2140 | 195 | 282 | 195 |
| SDS-V3-plasma-45_Cluster_2178 | 195 | 282 | 195 |
| SDS-V3-plasma-67_Cluster_3342 | 195 | 504 | 195 |
| SDS-V3-plasma-67_Cluster_2237 | 194 | 504 | 194 |
| SDS-V3-plasma-67_Cluster_1100 | 194 | 504 | 194 |
| SDS-V3-plasma-67_Cluster_1597 | 194 | 504 | 194 |
| SDS-V3-plasma-24_Cluster_127 | 193 | 124 | 193 |
| SDS-V3-plasma-45_Cluster_1411 | 193 | 282 | 193 |
| SDS-V3-plasma-67_Cluster_949 | 193 | 504 | 193 |
| SDS-V3-plasma-67_Cluster_348 | 193 | 504 | 193 |
| SDS-V3-plasma-67_Cluster_1036 | 193 | 504 | 193 |
| SDS-V3-plasma-8_Cluster_2899 | 192 | 16 | 192 |
SDS-V3-plasma-24_Cluster_362_sequences=192  124  192
SDS-V3-plasma-27_Cluster_493_sequences=192  131  192
SDS-V3-plasma-46_Cluster_694_sequences=192  286  192
SDS-V3-plasma-67_Cluster_1970_sequences=192  504  192
SDS-V3-plasma-45_Cluster_471_sequences=191  282  191
SDS-V3-plasma-45_Cluster_902_sequences=191  282  191
SDS-V3-plasma-67_Cluster_2548_sequences=191  504  191
SDS-V3-plasma-7_Cluster_209_sequences=190  14  190
SDS-V3-plasma-45_Cluster_143_sequences=190  282  190
SDS-V3-plasma-67_Cluster_1478_sequences=190  504  190
SDS-V3-plasma-0_Cluster_1086_sequences=189  0  189
SDS-V3-plasma-45_Cluster_1922_sequences=189  282  189
SDS-V3-plasma-46_Cluster_534_sequences=189  286  189
SDS-V3-plasma-67_Cluster_810_sequences=189  504  189
SDS-V3-plasma-67_Cluster_300_sequences=188  504  188
SDS-V3-plasma-67_Cluster_228_sequences=187  504  187
SDS-V3-plasma-67_Cluster_3845_sequences=187  504  187
SDS-V3-plasma-8_Cluster_2429_sequences=186  16  186
SDS-V3-plasma-67_Cluster_1127_sequences=186  504  186
SDS-V3-plasma-67_Cluster_338_sequences=186  504  186
SDS-V3-plasma-0_Cluster_63_sequences=185  0  185
SDS-V3-plasma-45_Cluster_702_sequences=185  282  185
SDS-V3-plasma-46_Cluster_363_sequences=185  286  185
SDS-V3-plasma-46_Cluster_580_sequences=185  286  185
SDS-V3-plasma-27_Cluster_687_sequences=184  131  184
SDS-V3-plasma-45_Cluster_1598_sequences=184  282  184
SDS-V3-plasma-45_Cluster_517_sequences=184  282  184
SDS-V3-plasma-46_Cluster_165_sequences=184  286  184
SDS-V3-plasma-67_Cluster_919_sequences=184  504  184
SDS-V3-plasma-67_Cluster_176_sequences=184  504  184
SDS-V3-plasma-67_Cluster_2422_sequences=184  504  184
SDS-V3-plasma-7_Cluster_73_sequences=183  14  183
SDS-V3-plasma-8_Cluster_2508_sequences=183  16  183
SDS-V3-plasma-45_Cluster_2568_sequences=183  282  183
SDS-V3-plasma-67_Cluster_4206_sequences=183  504  183
SDS-V3-plasma-67_Cluster_423_sequences=183  504  183
SDS-V3-plasma-8_Cluster_2517_sequences=182  16  182
SDS-V3-plasma-27_Cluster_2957_sequences=182  131  182
SDS-V3-plasma-45_Cluster_609_sequences=182  282  182
SDS-V3-plasma-45_Cluster_173_sequences=182  282  182
SDS-V3-plasma-67_Cluster_90_sequences=182  504  182
SDS-V3-plasma-67_Cluster_2451_sequences=182  504  182
SDS-V3-plasma-67_Cluster_5386_sequences=181  504  181
SDS-V3-plasma-67_Cluster_44_sequences=181  504  181
SDS-V3-plasma-7_Cluster_164_sequences=180  14  180
| Cluster Name                        | Sequences | Expected Count |
|------------------------------------|-----------|----------------|
| SDS-V3-plasma-45_Cluster_1453      | 180       | 282            |
| SDS-V3-plasma-45_Cluster_3133      | 180       | 282            |
| SDS-V3-plasma-45_Cluster_76        | 180       | 282            |
| SDS-V3-plasma-45_Cluster_1517      | 180       | 282            |
| SDS-V3-plasma-67_Cluster_3502      | 180       | 504            |
| SDS-V3-plasma-0_Cluster_1024       | 179       | 0              |
| SDS-V3-plasma-24_Cluster_138       | 179       | 124            |
| SDS-V3-plasma-24_Cluster_530       | 179       | 124            |
| SDS-V3-plasma-45_Cluster_3211      | 179       | 282            |
| SDS-V3-plasma-67_Cluster_2789      | 179       | 504            |
| SDS-V3-plasma-67_Cluster_857       | 179       | 504            |
| SDS-V3-plasma-67_Cluster_4544      | 179       | 504            |
| SDS-V3-plasma-8_Cluster_2511       | 178       | 16             |
| SDS-V3-plasma-45_Cluster_857       | 178       | 282            |
| SDS-V3-plasma-67_Cluster_1005      | 178       | 504            |
| SDS-V3-plasma-0_Cluster_631        | 177       | 0              |
| SDS-V3-plasma-0_Cluster_185        | 177       | 0              |
| SDS-V3-plasma-45_Cluster_2421      | 177       | 282            |
| SDS-V3-plasma-45_Cluster_3079      | 177       | 282            |
| SDS-V3-plasma-45_Cluster_1933      | 177       | 282            |
| SDS-V3-plasma-67_Cluster_2533      | 177       | 504            |
| SDS-V3-plasma-67_Cluster_2736      | 177       | 504            |
| SDS-V3-plasma-67_Cluster_699       | 177       | 504            |
| SDS-V3-plasma-45_Cluster_3563      | 176       | 282            |
| SDS-V3-plasma-67_Cluster_1791      | 176       | 504            |
| SDS-V3-plasma-67_Cluster_4415      | 176       | 504            |
| SDS-V3-plasma-67_Cluster_1999      | 176       | 504            |
| SDS-V3-plasma-7_Cluster_309        | 175       | 14             |
| SDS-V3-plasma-67_Cluster_1771      | 175       | 504            |
| SDS-V3-plasma-67_Cluster_2821      | 175       | 504            |
| SDS-V3-plasma-67_Cluster_395       | 175       | 504            |
| SDS-V3-plasma-27_Cluster_207       | 174       | 131            |
| SDS-V3-plasma-27_Cluster_10        | 174       | 131            |
| SDS-V3-plasma-45_Cluster_1155      | 174       | 282            |
| SDS-V3-plasma-67_Cluster_355       | 174       | 504            |
| SDS-V3-plasma-67_Cluster_4786      | 174       | 504            |
| SDS-V3-plasma-67_Cluster_909       | 174       | 504            |
| SDS-V3-plasma-67_Cluster_214       | 174       | 504            |
| SDS-V3-plasma-67_Cluster_2076      | 174       | 504            |
| SDS-V3-plasma-8_Cluster_2340       | 173       | 16             |
| SDS-V3-plasma-45_Cluster_2748      | 173       | 282            |
| SDS-V3-plasma-45_Cluster_3476      | 173       | 282            |
| SDS-V3-plasma-67_Cluster_836       | 173       | 504            |
| SDS-V3-plasma-67_Cluster_5266      | 173       | 504            |
| SDS-V3-plasma-67_Cluster_966       | 173       | 504            |
SDS-V3-plasma-8_Cluster_2413_sequences=172  
SDS-V3-plasma-45_Cluster_4473_sequences=172  
SDS-V3-plasma-45_Cluster_2257_sequences=172  
SDS-V3-plasma-0_Cluster_334_sequences=171  
SDS-V3-plasma-7_Cluster_216_sequences=171  
SDS-V3-plasma-27_Cluster_94_sequences=171  
SDS-V3-plasma-45_Cluster_1425_sequences=171  
SDS-V3-plasma-45_Cluster_2854_sequences=171  
SDS-V3-plasma-67_Cluster_3066_sequences=171  
SDS-V3-plasma-0_Cluster_983_sequences=170  
SDS-V3-plasma-8_Cluster_2277_sequences=170  
SDS-V3-plasma-27_Cluster_125_sequences=170  
SDS-V3-plasma-27_Cluster_793_sequences=170  
SDS-V3-plasma-45_Cluster_416_sequences=170  
SDS-V3-plasma-45_Cluster_484_sequences=170  
SDS-V3-plasma-46_Cluster_551_sequences=170  
SDS-V3-plasma-67_Cluster_824_sequences=170  
SDS-V3-plasma-0_Cluster_244_sequences=169  
SDS-V3-plasma-45_Cluster_75_sequences=169  
SDS-V3-plasma-45_Cluster_1705_sequences=169  
SDS-V3-plasma-67_Cluster_409_sequences=169  
SDS-V3-plasma-67_Cluster_2773_sequences=169  
SDS-V3-plasma-67_Cluster_54_sequences=169  
SDS-V3-plasma-0_Cluster_378_sequences=168  
SDS-V3-plasma-45_Cluster_998_sequences=168  
SDS-V3-plasma-46_Cluster_709_sequences=168  
SDS-V3-plasma-46_Cluster_77_sequences=168  
SDS-V3-plasma-67_Cluster_1207_sequences=168  
SDS-V3-plasma-67_Cluster_5570_sequences=168  
SDS-V3-plasma-67_Cluster_2875_sequences=166  
SDS-V3-plasma-67_Cluster_2607_sequences=166  
SDS-V3-plasma-67_Cluster_1477_sequences=166  
SDS-V3-plasma-45_Cluster_775_sequences=167  
SDS-V3-plasma-0_Cluster_99_sequences=166  
SDS-V3-plasma-8_Cluster_2466_sequences=166  
SDS-V3-plasma-8_Cluster_2499_sequences=166  
SDS-V3-plasma-24_Cluster_429_sequences=166  
SDS-V3-plasma-45_Cluster_901_sequences=166  
SDS-V3-plasma-45_Cluster_3621_sequences=166  
SDS-V3-plasma-46_Cluster_234_sequences=166  
SDS-V3-plasma-46_Cluster_26_sequences=166  
SDS-V3-plasma-46_Cluster_260_sequences=166  
SDS-V3-plasma-67_Cluster_2875_sequences=166  
SDS-V3-plasma-67_Cluster_2607_sequences=166
| Cluster Name                      | Sequences | % of Total | % of Total |
|----------------------------------|------------|------------|------------|
| SDS-V3-plasma-24_Cluster_372    | 124        | 165        | 165        |
| SDS-V3-plasma-45_Cluster_2287   | 282        | 165        | 165        |
| SDS-V3-plasma-46_Cluster_62     | 286        | 165        | 165        |
| SDS-V3-plasma-67_Cluster_647    | 504        | 165        | 165        |
| SDS-V3-plasma-67_Cluster_1582   | 504        | 165        | 165        |
| SDS-V3-plasma-67_Cluster_1171   | 504        | 165        | 165        |
| SDS-V3-plasma-8_Cluster_2739    | 16         | 164        | 164        |
| SDS-V3-plasma-45_Cluster_658    | 282        | 164        | 164        |
| SDS-V3-plasma-67_Cluster_2375   | 504        | 164        | 164        |
| SDS-V3-plasma-67_Cluster_2037   | 504        | 164        | 164        |
| SDS-V3-plasma-67_Cluster_471    | 504        | 164        | 164        |
| SDS-V3-plasma-67_Cluster_933    | 504        | 164        | 164        |
| SDS-V3-plasma-0_Cluster_635     | 0          | 163        | 163        |
| SDS-V3-plasma-8_Cluster_38      | 16         | 163        | 163        |
| SDS-V3-plasma-27_Cluster_200    | 131        | 163        | 163        |
| SDS-V3-plasma-67_Cluster_133    | 504        | 163        | 163        |
| SDS-V3-plasma-67_Cluster_3180   | 504        | 163        | 163        |
| SDS-V3-plasma-24_Cluster_46     | 124        | 162        | 162        |
| SDS-V3-plasma-45_Cluster_4159   | 282        | 162        | 162        |
| SDS-V3-plasma-45_Cluster_487    | 282        | 162        | 162        |
| SDS-V3-plasma-45_Cluster_4352   | 282        | 162        | 162        |
| SDS-V3-plasma-45_Cluster_1852   | 282        | 162        | 162        |
| SDS-V3-plasma-45_Cluster_3654   | 282        | 162        | 162        |
| SDS-V3-plasma-45_Cluster_1685   | 282        | 162        | 162        |
| SDS-V3-plasma-46_Cluster_677    | 286        | 162        | 162        |
| SDS-V3-plasma-67_Cluster_478    | 504        | 162        | 162        |
| SDS-V3-plasma-67_Cluster_1057   | 504        | 162        | 162        |
| SDS-V3-plasma-67_Cluster_343    | 504        | 162        | 162        |
| SDS-V3-plasma-27_Cluster_450    | 131        | 161        | 161        |
| SDS-V3-plasma-45_Cluster_618    | 282        | 161        | 161        |
| SDS-V3-plasma-45_Cluster_418    | 282        | 161        | 161        |
| SDS-V3-plasma-45_Cluster_867    | 282        | 161        | 161        |
| SDS-V3-plasma-45_Cluster_5079   | 282        | 161        | 161        |
| SDS-V3-plasma-67_Cluster_2209   | 504        | 161        | 161        |
| SDS-V3-plasma-67_Cluster_1362   | 504        | 161        | 161        |
| SDS-V3-plasma-67_Cluster_2866   | 504        | 161        | 161        |
| SDS-V3-plasma-8_Cluster_2276    | 16         | 160        | 160        |
| SDS-V3-plasma-24_Cluster_2203   | 124        | 160        | 160        |
| SDS-V3-plasma-24_Cluster_342    | 124        | 160        | 160        |
| SDS-V3-plasma-45_Cluster_748    | 282        | 160        | 160        |
| SDS-V3-plasma-45_Cluster_1291   | 282        | 160        | 160        |
| SDS-V3-plasma-46_Cluster_866    | 286        | 160        | 160        |
| SDS-V3-plasma-67_Cluster_840    | 504        | 160        | 160        |
| SDS-V3-plasma-67_Cluster_593    | 504        | 160        | 160        |
| SDS-V3-plasma-7_Cluster_300     | 14         | 159        | 159        |
| Cluster Name                  | Sequences | Mass 1 | Mass 2 |
|------------------------------|-----------|--------|--------|
| SDS-V3-plasma-24_Cluster_465 | 159       | 124    | 159    |
| SDS-V3-plasma-45_Cluster_3698| 159       | 282    | 159    |
| SDS-V3-plasma-45_Cluster_4718| 159       | 282    | 159    |
| SDS-V3-plasma-0_Cluster_529  | 158       | 0      | 158    |
| SDS-V3-plasma-24_Cluster_290 | 158       | 124    | 158    |
| SDS-V3-plasma-45_Cluster_1595| 158       | 282    | 158    |
| SDS-V3-plasma-45_Cluster_5254| 158       | 282    | 158    |
| SDS-V3-plasma-45_Cluster_3846| 158       | 282    | 158    |
| SDS-V3-plasma-67_Cluster_1715| 158       | 504    | 158    |
| SDS-V3-plasma-67_Cluster_1230| 158       | 504    | 158    |
| SDS-V3-plasma-27_Cluster_99  | 157       | 131    | 157    |
| SDS-V3-plasma-45_Cluster_61  | 157       | 282    | 157    |
| SDS-V3-plasma-45_Cluster_1164| 157       | 282    | 157    |
| SDS-V3-plasma-67_Cluster_2357| 157       | 504    | 157    |
| SDS-V3-plasma-45_Cluster_688 | 156       | 282    | 156    |
| SDS-V3-plasma-45_Cluster_71  | 156       | 282    | 156    |
| SDS-V3-plasma-67_Cluster_472 | 156       | 504    | 156    |
| SDS-V3-plasma-67_Cluster_703 | 156       | 504    | 156    |
| SDS-V3-plasma-67_Cluster_784 | 156       | 504    | 156    |
| SDS-V3-plasma-67_Cluster_4373| 156       | 504    | 156    |
| SDS-V3-plasma-0_Cluster_733  | 155       | 0      | 155    |
| SDS-V3-plasma-24_Cluster_229 | 155       | 124    | 155    |
| SDS-V3-plasma-45_Cluster_1708| 155       | 282    | 155    |
| SDS-V3-plasma-45_Cluster_2857| 155       | 282    | 155    |
| SDS-V3-plasma-45_Cluster_955 | 155       | 282    | 155    |
| SDS-V3-plasma-45_Cluster_1569| 155       | 282    | 155    |
| SDS-V3-plasma-67_Cluster_4219| 155       | 504    | 155    |
| SDS-V3-plasma-24_Cluster_541 | 154       | 124    | 154    |
| SDS-V3-plasma-27_Cluster_424 | 154       | 131    | 154    |
| SDS-V3-plasma-45_Cluster_1854| 154       | 282    | 154    |
| SDS-V3-plasma-67_Cluster_819 | 154       | 504    | 154    |
| SDS-V3-plasma-67_Cluster_4036| 154       | 504    | 154    |
| SDS-V3-plasma-0_Cluster_155  | 153       | 0      | 153    |
| SDS-V3-plasma-0_Cluster_95   | 153       | 0      | 153    |
| SDS-V3-plasma-8_Cluster_2537 | 153       | 16     | 153    |
| SDS-V3-plasma-8_Cluster_2295 | 153       | 16     | 153    |
| SDS-V3-plasma-24_Cluster_815 | 153       | 124    | 153    |
| SDS-V3-plasma-24_Cluster_50  | 153       | 124    | 153    |
| SDS-V3-plasma-45_Cluster_1321| 153       | 282    | 153    |
| SDS-V3-plasma-67_Cluster_1708| 153       | 504    | 153    |
| SDS-V3-plasma-7_Cluster_53   | 152       | 14     | 152    |
| SDS-V3-plasma-45_Cluster_1063| 152       | 282    | 152    |
| SDS-V3-plasma-46_Cluster_617 | 152       | 286    | 152    |
| SDS-V3-plasma-46_Cluster_312 | 152       | 286    | 152    |
| Dataset Name                        | Cluster ID | Sequences |
|------------------------------------|------------|-----------|
| SDS-V3-plasma-67_Cluster_2474      | 504        | 152       |
| SDS-V3-plasma-45_Cluster_1711      | 282        | 151       |
| SDS-V3-plasma-46_Cluster_1936      | 286        | 151       |
| SDS-V3-plasma-67_Cluster_4731      | 504        | 151       |
| SDS-V3-plasma-0_Cluster_2071       | 0          | 150       |
| SDS-V3-plasma-24_Cluster_788       | 124        | 150       |
| SDS-V3-plasma-45_Cluster_204       | 282        | 150       |
| SDS-V3-plasma-27_Cluster_4         | 131        | 149       |
| SDS-V3-plasma-46_Cluster_193       | 286        | 149       |
| SDS-V3-plasma-46_Cluster_503       | 286        | 149       |
| SDS-V3-plasma-67_Cluster_4504      | 504        | 149       |
| SDS-V3-plasma-67_Cluster_1711      | 504        | 149       |
| SDS-V3-plasma-27_Cluster_18        | 131        | 148       |
| SDS-V3-plasma-27_Cluster_23        | 131        | 148       |
| SDS-V3-plasma-27_Cluster_116       | 131        | 148       |
| SDS-V3-plasma-45_Cluster_3114      | 282        | 148       |
| SDS-V3-plasma-45_Cluster_1475      | 282        | 148       |
| SDS-V3-plasma-45_Cluster_106       | 282        | 148       |
| SDS-V3-plasma-45_Cluster_5233      | 282        | 148       |
| SDS-V3-plasma-45_Cluster_4046      | 282        | 148       |
| SDS-V3-plasma-46_Cluster_869       | 286        | 148       |
| SDS-V3-plasma-67_Cluster_627       | 504        | 148       |
| SDS-V3-plasma-67_Cluster_1619      | 504        | 148       |
| SDS-V3-plasma-0_Cluster_999        | 0          | 147       |
| SDS-V3-plasma-24_Cluster_315       | 124        | 147       |
| SDS-V3-plasma-45_Cluster_2544      | 282        | 147       |
| SDS-V3-plasma-45_Cluster_669       | 282        | 147       |
| SDS-V3-plasma-45_Cluster_2895      | 282        | 147       |
| SDS-V3-plasma-46_Cluster_954       | 286        | 147       |
| SDS-V3-plasma-46_Cluster_264       | 286        | 147       |
| SDS-V3-plasma-0_Cluster_516        | 0          | 146       |
| SDS-V3-plasma-0_Cluster_328        | 0          | 146       |
| SDS-V3-plasma-24_Cluster_591       | 124        | 146       |
| SDS-V3-plasma-45_Cluster_765       | 282        | 146       |
| SDS-V3-plasma-67_Cluster_198       | 504        | 146       |
| SDS-V3-plasma-67_Cluster_962       | 504        | 146       |
| SDS-V3-plasma-67_Cluster_354       | 504        | 146       |
| SDS-V3-plasma-45_Cluster_6462      | 282        | 145       |
| SDS-V3-plasma-45_Cluster_1159      | 282        | 145       |
| SDS-V3-plasma-45_Cluster_369       | 282        | 145       |
| SDS-V3-plasma-46_Cluster_261       | 286        | 145       |
| SDS-V3-plasma-67_Cluster_191       | 504        | 145       |
| SDS-V3-plasma-67_Cluster_50        | 504        | 145       |
| SDS-V3-plasma-67_Cluster_3956      | 504        | 145       |
| SDS-V3-plasma-67_Cluster_190       | 504        | 145       |
| Cluster ID | Sequence Count |
|------------|----------------|
| SDS-V3-plasma-67_Cluster_71 | 145 |
| SDS-V3-plasma-67_Cluster_4554 | 145 |
| SDS-V3-plasma-0_Cluster_166 | 144 |
| SDS-V3-plasma-0_Cluster_1020 | 144 |
| SDS-V3-plasma-27_Cluster_27 | 144 |
| SDS-V3-plasma-27_Cluster_150 | 144 |
| SDS-V3-plasma-46_Cluster_213 | 144 |
| SDS-V3-plasma-67_Cluster_3253 | 144 |
| SDS-V3-plasma-67_Cluster_235 | 144 |
| SDS-V3-plasma-67_Cluster_2854 | 144 |
| SDS-V3-plasma-67_Cluster_1690 | 144 |
| SDS-V3-plasma-67_Cluster_1728 | 144 |
| SDS-V3-plasma-67_Cluster_40 | 144 |
| SDS-V3-plasma-0_Cluster_2798 | 143 |
| SDS-V3-plasma-24_Cluster_245 | 143 |
| SDS-V3-plasma-27_Cluster_381 | 143 |
| SDS-V3-plasma-45_Cluster_1543 | 143 |
| SDS-V3-plasma-45_Cluster_893 | 143 |
| SDS-V3-plasma-45_Cluster_3361 | 143 |
| SDS-V3-plasma-45_Cluster_2197 | 143 |
| SDS-V3-plasma-67_Cluster_1369 | 143 |
| SDS-V3-plasma-67_Cluster_3732 | 143 |
| SDS-V3-plasma-67_Cluster_7871 | 143 |
| SDS-V3-plasma-67_Cluster_97 | 143 |
| SDS-V3-plasma-24_Cluster_582 | 142 |
| SDS-V3-plasma-24_Cluster_126 | 142 |
| SDS-V3-plasma-24_Cluster_556 | 142 |
| SDS-V3-plasma-45_Cluster_936 | 142 |
| SDS-V3-plasma-45_Cluster_676 | 142 |
| SDS-V3-plasma-67_Cluster_1385 | 142 |
| SDS-V3-plasma-67_Cluster_2040 | 142 |
| SDS-V3-plasma-67_Cluster_3173 | 142 |
| SDS-V3-plasma-0_Cluster_129 | 141 |
| SDS-V3-plasma-0_Cluster_436 | 141 |
| SDS-V3-plasma-24_Cluster_44 | 141 |
| SDS-V3-plasma-27_Cluster_237 | 141 |
| SDS-V3-plasma-45_Cluster_2504 | 141 |
| SDS-V3-plasma-45_Cluster_1562 | 141 |
| SDS-V3-plasma-46_Cluster_2106 | 141 |
| SDS-V3-plasma-67_Cluster_2299 | 141 |
| SDS-V3-plasma-67_Cluster_2791 | 141 |
| SDS-V3-plasma-67_Cluster_3144 | 141 |
| SDS-V3-plasma-67_Cluster_2763 | 141 |
| SDS-V3-plasma-67_Cluster_490 | 141 |
| SDS-V3-plasma-67_Cluster_2075 | 141 |
| Sample                      | Cluster   | Sequences |    |
|----------------------------|-----------|-----------|----|
| SDS-V3-plasma-7             | Cluster 134 | 140       | 14 |
| SDS-V3-plasma-45            | Cluster 3885 | 140       | 282|
| SDS-V3-plasma-45            | Cluster 4914 | 140       | 282|
| SDS-V3-plasma-45            | Cluster 1797 | 140       | 282|
| SDS-V3-plasma-45            | Cluster 1870 | 140       | 282|
| SDS-V3-plasma-45            | Cluster 3237 | 140       | 282|
| SDS-V3-plasma-45            | Cluster 4127 | 140       | 282|
| SDS-V3-plasma-45            | Cluster 1631 | 140       | 504|
| SDS-V3-plasma-45            | Cluster 316  | 140       | 504|
| SDS-V3-plasma-45            | Cluster 514  | 140       | 504|
| SDS-V3-plasma-45            | Cluster 6377 | 140       | 504|
| SDS-V3-plasma-67            | Cluster 8892 | 139       | 504|
| SDS-V3-plasma-67            | Cluster 572  | 139       | 504|
| SDS-V3-plasma-67            | Cluster 241  | 139       | 504|
| SDS-V3-plasma-8             | Cluster 92   | 139       | 16 |
| SDS-V3-plasma-24            | Cluster 184  | 139       | 124|
| SDS-V3-plasma-24            | Cluster 459  | 139       | 124|
| SDS-V3-plasma-45            | Cluster 532  | 139       | 282|
| SDS-V3-plasma-45            | Cluster 4449 | 139       | 282|
| SDS-V3-plasma-45            | Cluster 3501 | 139       | 282|
| SDS-V3-plasma-45            | Cluster 3983 | 139       | 282|
| SDS-V3-plasma-67            | Cluster 8892 | 139       | 504|
| SDS-V3-plasma-67            | Cluster 724  | 139       | 504|
| SDS-V3-plasma-67            | Cluster 572  | 139       | 504|
| SDS-V3-plasma-8             | Cluster 2443 | 138       | 16 |
| SDS-V3-plasma-27            | Cluster 98   | 138       | 131|
| SDS-V3-plasma-45            | Cluster 1440 | 138       | 282|
| SDS-V3-plasma-46            | Cluster 1523 | 138       | 286|
| SDS-V3-plasma-45            | Cluster 1363 | 138       | 286|
| SDS-V3-plasma-46            | Cluster 128  | 138       | 286|
| SDS-V3-plasma-67            | Cluster 856  | 138       | 504|
| SDS-V3-plasma-67            | Cluster 498  | 138       | 504|
| SDS-V3-plasma-27            | Cluster 637  | 136       | 131|
| SDS-V3-plasma-27            | Cluster 166  | 136       | 131|
| SDS-V3-plasma-45            | Cluster 1363 | 136       | 282|
| SDS-V3-plasma-46            | Cluster 128  | 136       | 286|
| SDS-V3-plasma-67            | Cluster 856  | 136       | 504|
| SDS-V3-plasma-0             | Cluster 1833 | 135       | 0  |
| SDS-V3-plasma-24            | Cluster 473  | 135       | 124|
| SDS-V3-plasma-24            | Cluster 833  | 135       | 124|
| SDS-V3-plasma-24            | Cluster 64   | 135       | 124|
| SDS-V3-plasma-45            | Cluster 1486 | 135       | 282|
| SDS-V3-plasma-45            | Cluster 1669 | 135       | 282|
| SDS-V3-plasma-45            | Cluster 696  | 135       | 282|
| Dataset                        | Sequence Count | Value 1 | Value 2 |
|-------------------------------|----------------|---------|---------|
| SDS-V3-plasma-67_Cluster_464  | 130            | 504     | 130     |
| SDS-V3-plasma-67_Cluster_3714 | 130            | 504     | 130     |
| SDS-V3-plasma-67_Cluster_2781| 130            | 504     | 130     |
| SDS-V3-plasma-0_Cluster_674  | 129            | 0       | 129     |
| SDS-V3-plasma-8_Cluster_2546 | 129            | 16      | 129     |
| SDS-V3-plasma-24_Cluster_521 | 129            | 124     | 129     |
| SDS-V3-plasma-45_Cluster_1043| 129            | 282     | 129     |
| SDS-V3-plasma-45_Cluster_972 | 129            | 282     | 129     |
| SDS-V3-plasma-45_Cluster_1593| 129            | 282     | 129     |
| SDS-V3-plasma-46_Cluster_202 | 129            | 286     | 129     |
| SDS-V3-plasma-67_Cluster_1430| 129            | 504     | 129     |
| SDS-V3-plasma-67_Cluster_3126| 129            | 504     | 129     |
| SDS-V3-plasma-67_Cluster_4212| 129            | 504     | 129     |
| SDS-V3-plasma-45_Cluster_4843| 128            | 282     | 128     |
| SDS-V3-plasma-45_Cluster_614 | 128            | 282     | 128     |
| SDS-V3-plasma-45_Cluster_2418| 128            | 282     | 128     |
| SDS-V3-plasma-45_Cluster_3894| 128            | 282     | 128     |
| SDS-V3-plasma-45_Cluster_360 | 128            | 282     | 128     |
| SDS-V3-plasma-45_Cluster_3153| 128            | 282     | 128     |
| SDS-V3-plasma-46_Cluster_98  | 128            | 286     | 128     |
| SDS-V3-plasma-46_Cluster_579 | 128            | 286     | 128     |
| SDS-V3-plasma-67_Cluster_444 | 128            | 504     | 128     |
| SDS-V3-plasma-67_Cluster_1144| 128            | 504     | 128     |
| SDS-V3-plasma-67_Cluster_126 | 128            | 504     | 128     |
| SDS-V3-plasma-67_Cluster_1549| 128            | 504     | 128     |
| SDS-V3-plasma-67_Cluster_486 | 128            | 504     | 128     |
| SDS-V3-plasma-67_Cluster_53  | 128            | 504     | 128     |
| SDS-V3-plasma-67_Cluster_691 | 128            | 504     | 128     |
| SDS-V3-plasma-67_Cluster_1280| 128            | 504     | 128     |
| SDS-V3-plasma-0_Cluster_1296 | 127            | 0       | 127     |
| SDS-V3-plasma-8_Cluster_3002 | 127            | 16      | 127     |
| SDS-V3-plasma-24_Cluster_76  | 127            | 124     | 127     |
| SDS-V3-plasma-24_Cluster_691 | 127            | 124     | 127     |
| SDS-V3-plasma-24_Cluster_160 | 127            | 124     | 127     |
| SDS-V3-plasma-45_Cluster_505 | 127            | 282     | 127     |
| SDS-V3-plasma-45_Cluster_1132| 127            | 282     | 127     |
| SDS-V3-plasma-67_Cluster_687 | 127            | 504     | 127     |
| SDS-V3-plasma-67_Cluster_804 | 127            | 504     | 127     |
| SDS-V3-plasma-67_Cluster_837 | 127            | 504     | 127     |
| SDS-V3-plasma-0_Cluster_650  | 126            | 0       | 126     |
| SDS-V3-plasma-7_Cluster_100  | 126            | 14      | 126     |
| SDS-V3-plasma-7_Cluster_79   | 126            | 14      | 126     |
| SDS-V3-plasma-7_Cluster_422  | 126            | 14      | 126     |
| SDS-V3-plasma-24_Cluster_559 | 126            | 124     | 126     |
| SDS-V3-plasma-24_Cluster_486 | 126            | 124     | 126     |
| Sample Description                          | Cluster ID | Sequences |
|--------------------------------------------|------------|-----------|
| SDS-V3-plasma-45_Cluster_898              | 126        | 282       |
| SDS-V3-plasma-45_Cluster_1623             | 126        | 282       |
| SDS-V3-plasma-46_Cluster_1016             | 126        | 286       |
| SDS-V3-plasma-67_Cluster_1029             | 126        | 504       |
| SDS-V3-plasma-67_Cluster_1416             | 126        | 504       |
| SDS-V3-plasma-67_Cluster_303              | 126        | 504       |
| SDS-V3-plasma-67_Cluster_3606             | 126        | 504       |
| SDS-V3-plasma-67_Cluster_328              | 126        | 504       |
| SDS-V3-plasma-67_Cluster_3606             | 126        | 504       |
| SDS-V3-plasma-67_Cluster_328              | 126        | 504       |
| SDS-V3-plasma-24_Cluster_345              | 125        | 131       |
| SDS-V3-plasma-27_Cluster_28               | 124        | 131       |
| SDS-V3-plasma-45_Cluster_1239             | 125        | 282       |
| SDS-V3-plasma-45_Cluster_6422             | 125        | 282       |
| SDS-V3-plasma-45_Cluster_1976             | 125        | 282       |
| SDS-V3-plasma-45_Cluster_2795             | 125        | 282       |
| SDS-V3-plasma-45_Cluster_1876             | 125        | 282       |
| SDS-V3-plasma-45_Cluster_357              | 125        | 282       |
| SDS-V3-plasma-45_Cluster_396              | 125        | 282       |
| SDS-V3-plasma-67_Cluster_1575             | 125        | 504       |
| SDS-V3-plasma-67_Cluster_3057             | 125        | 504       |
| SDS-V3-plasma-67_Cluster_777              | 125        | 504       |
| SDS-V3-plasma-0_Cluster_913               | 124        | 0         |
| SDS-V3-plasma-0_Cluster_456               | 124        | 0         |
| SDS-V3-plasma-8_Cluster_2630              | 124        | 16        |
| SDS-V3-plasma-27_Cluster_28               | 124        | 131       |
| SDS-V3-plasma-45_Cluster_1372             | 124        | 282       |
| SDS-V3-plasma-45_Cluster_622              | 124        | 282       |
| SDS-V3-plasma-45_Cluster_480              | 124        | 282       |
| SDS-V3-plasma-45_Cluster_2542             | 124        | 282       |
| SDS-V3-plasma-67_Cluster_1167             | 124        | 504       |
| SDS-V3-plasma-67_Cluster_2048             | 124        | 504       |
| SDS-V3-plasma-67_Cluster_2562             | 124        | 504       |
| SDS-V3-plasma-0_Cluster_1587              | 123        | 0         |
| SDS-V3-plasma-0_Cluster_619               | 123        | 0         |
| SDS-V3-plasma-24_Cluster_516              | 123        | 124       |
| SDS-V3-plasma-24_Cluster_174              | 123        | 124       |
| SDS-V3-plasma-27_Cluster_435              | 123        | 131       |
| SDS-V3-plasma-45_Cluster_310              | 123        | 282       |
| SDS-V3-plasma-45_Cluster_412              | 123        | 282       |
| SDS-V3-plasma-46_Cluster_3214             | 123        | 286       |
| SDS-V3-plasma-46_Cluster_145              | 123        | 286       |
| SDS-V3-plasma-67_Cluster_2553             | 123        | 504       |
| SDS-V3-plasma-67_Cluster_6280             | 123        | 504       |
| SDS-V3-plasma-67_Cluster_1035             | 123        | 504       |
| Cluster Name | Sequences |
|--------------|-----------|
| SDS-V3-plasma-67_Cluster_1759_sequences | 123 |
| SDS-V3-plasma-67_Cluster_2453_sequences | 123 |
| SDS-V3-plasma-0_Cluster_1203_sequences | 122 |
| SDS-V3-plasma-7_Cluster_108_sequences | 122 |
| SDS-V3-plasma-24_Cluster_1094_sequences | 122 |
| SDS-V3-plasma-27_Cluster_136_sequences | 122 |
| SDS-V3-plasma-45_Cluster_2451_sequences | 122 |
| SDS-V3-plasma-45_Cluster_4539_sequences | 122 |
| SDS-V3-plasma-45_Cluster_997_sequences | 122 |
| SDS-V3-plasma-45_Cluster_1815_sequences | 122 |
| SDS-V3-plasma-45_Cluster_882_sequences | 122 |
| SDS-V3-plasma-67_Cluster_260_sequences | 122 |
| SDS-V3-plasma-67_Cluster_2954_sequences | 122 |
| SDS-V3-plasma-67_Cluster_4432_sequences | 122 |
| SDS-V3-plasma-67_Cluster_2703_sequences | 122 |
| SDS-V3-plasma-67_Cluster_1347_sequences | 122 |
| SDS-V3-plasma-67_Cluster_3212_sequences | 122 |
| SDS-V3-plasma-67_Cluster_1284_sequences | 122 |
| SDS-V3-plasma-67_Cluster_1149_sequences | 121 |
| SDS-V3-plasma-67_Cluster_1149_sequences | 121 |
| SDS-V3-plasma-67_Cluster_5433_sequences | 121 |
| SDS-V3-plasma-67_Cluster_1997_sequences | 121 |
| SDS-V3-plasma-27_Cluster_335_sequences | 120 |
| SDS-V3-plasma-27_Cluster_147_sequences | 120 |
| SDS-V3-plasma-45_Cluster_698_sequences | 120 |
| SDS-V3-plasma-45_Cluster_695_sequences | 119 |
| SDS-V3-plasma-24_Cluster_143_sequences | 119 |
| SDS-V3-plasma-27_Cluster_149_sequences | 119 |
| SDS-V3-plasma-24_Cluster_63_sequences | 118 |
| SDS-V3-plasma-0_Cluster_637_sequences | 118 |
| SDS-V3-plasma-0_Cluster_1030_sequences | 118 |
| Cluster Name                      | Sequences | Length |
|----------------------------------|-----------|--------|
| SDS-V3-plasma-7_Cluster_55       | 118       | 14     |
| SDS-V3-plasma-7_Cluster_314      | 118       | 14     |
| SDS-V3-plasma-45_Cluster_1459    | 118       | 282    |
| SDS-V3-plasma-45_Cluster_1002    | 118       | 282    |
| SDS-V3-plasma-45_Cluster_1419    | 118       | 282    |
| SDS-V3-plasma-67_Cluster_1218    | 118       | 504    |
| SDS-V3-plasma-67_Cluster_96      | 118       | 504    |
| SDS-V3-plasma-27_Cluster_478     | 117       | 131    |
| SDS-V3-plasma-27_Cluster_360     | 117       | 131    |
| SDS-V3-plasma-45_Cluster_356     | 117       | 282    |
| SDS-V3-plasma-45_Cluster_569     | 117       | 282    |
| SDS-V3-plasma-45_Cluster_2079    | 117       | 282    |
| SDS-V3-plasma-45_Cluster_482     | 117       | 282    |
| SDS-V3-plasma-46_Cluster_1111    | 117       | 286    |
| SDS-V3-plasma-46_Cluster_377     | 117       | 286    |
| SDS-V3-plasma-67_Cluster_831     | 117       | 504    |
| SDS-V3-plasma-0_Cluster_880      | 116       | 0      |
| SDS-V3-plasma-24_Cluster_444     | 116       | 124    |
| SDS-V3-plasma-27_Cluster_163     | 116       | 131    |
| SDS-V3-plasma-27_Cluster_63      | 116       | 131    |
| SDS-V3-plasma-27_Cluster_884     | 116       | 131    |
| SDS-V3-plasma-27_Cluster_222     | 116       | 131    |
| SDS-V3-plasma-45_Cluster_5555    | 116       | 282    |
| SDS-V3-plasma-45_Cluster_926     | 116       | 282    |
| SDS-V3-plasma-45_Cluster_490     | 116       | 282    |
| SDS-V3-plasma-67_Cluster_1827    | 116       | 504    |
| SDS-V3-plasma-67_Cluster_1408    | 116       | 504    |
| SDS-V3-plasma-67_Cluster_174     | 116       | 504    |
| SDS-V3-plasma-67_Cluster_2056    | 116       | 504    |
| SDS-V3-plasma-67_Cluster_617     | 116       | 504    |
| SDS-V3-plasma-67_Cluster_2689    | 116       | 504    |
| SDS-V3-plasma-67_Cluster_3751    | 116       | 504    |
| SDS-V3-plasma-0_Cluster_2099     | 115       | 0      |
| SDS-V3-plasma-27_Cluster_449     | 115       | 131    |
| SDS-V3-plasma-27_Cluster_262     | 115       | 131    |
| SDS-V3-plasma-45_Cluster_3397    | 115       | 282    |
| SDS-V3-plasma-45_Cluster_735     | 115       | 282    |
| SDS-V3-plasma-45_Cluster_293     | 115       | 282    |
| SDS-V3-plasma-45_Cluster_1804    | 115       | 282    |
| SDS-V3-plasma-45_Cluster_7549    | 115       | 282    |
| SDS-V3-plasma-67_Cluster_5415    | 115       | 504    |
| SDS-V3-plasma-67_Cluster_8859    | 115       | 504    |
| SDS-V3-plasma-67_Cluster_3028    | 115       | 504    |
| SDS-V3-plasma-67_Cluster_2783    | 115       | 504    |
| SDS-V3-plasma-0_Cluster_2298     | 114       | 0      |
| Cluster Name                          | Sequences | Start | End |
|--------------------------------------|-----------|-------|-----|
| SDS-V3-plasma-0_Cluster_322_sequences=114 | 0         | 114   |
| SDS-V3-plasma-45_Cluster_776_sequences=114 | 282       | 114   |
| SDS-V3-plasma-45_Cluster_6470_sequences=114 | 282       | 114   |
| SDS-V3-plasma-46_Cluster_51_sequences=114 | 286       | 114   |
| SDS-V3-plasma-67_Cluster_1543_sequences=114 | 504       | 114   |
| SDS-V3-plasma-67_Cluster_4088_sequences=114 | 504       | 114   |
| SDS-V3-plasma-67_Cluster_1770_sequences=114 | 504       | 114   |
| SDS-V3-plasma-67_Cluster_6752_sequences=114 | 504       | 114   |
| SDS-V3-plasma-67_Cluster_92_sequences=114 | 504       | 114   |
| SDS-V3-plasma-67_Cluster_2914_sequences=114 | 504       | 114   |
| SDS-V3-plasma-67_Cluster_331_sequences=114 | 504       | 114   |
| SDS-V3-plasma-67_Cluster_4712_sequences=114 | 504       | 114   |
| SDS-V3-plasma-8_Cluster_2492_sequences=113  | 16        | 113   |
| SDS-V3-plasma-24_Cluster_1388_sequences=113  | 124       | 113   |
| SDS-V3-plasma-45_Cluster_2087_sequences=113  | 282       | 113   |
| SDS-V3-plasma-45_Cluster_809_sequences=113   | 282       | 113   |
| SDS-V3-plasma-45_Cluster_1578_sequences=113  | 282       | 113   |
| SDS-V3-plasma-46_Cluster_243_sequences=113   | 286       | 113   |
| SDS-V3-plasma-46_Cluster_2956_sequences=113  | 286       | 113   |
| SDS-V3-plasma-0_Cluster_2330_sequences=112   | 0         | 112   |
| SDS-V3-plasma-0_Cluster_569_sequences=112    | 0         | 112   |
| SDS-V3-plasma-0_Cluster_1670_sequences=112   | 0         | 112   |
| SDS-V3-plasma-27_Cluster_847_sequences=112   | 131       | 112   |
| SDS-V3-plasma-45_Cluster_3381_sequences=112  | 282       | 112   |
| SDS-V3-plasma-45_Cluster_79_sequences=112    | 282       | 112   |
| SDS-V3-plasma-45_Cluster_5245_sequences=112  | 282       | 112   |
| SDS-V3-plasma-45_Cluster_5613_sequences=112  | 282       | 112   |
| SDS-V3-plasma-45_Cluster_3853_sequences=112  | 282       | 112   |
| SDS-V3-plasma-67_Cluster_4701_sequences=112  | 504       | 112   |
| SDS-V3-plasma-67_Cluster_3048_sequences=112  | 504       | 112   |
| SDS-V3-plasma-67_Cluster_2543_sequences=112  | 504       | 112   |
| SDS-V3-plasma-67_Cluster_3554_sequences=112  | 504       | 112   |
| SDS-V3-plasma-67_Cluster_5670_sequences=112  | 504       | 112   |
| SDS-V3-plasma-67_Cluster_697_sequences=112   | 504       | 112   |
| SDS-V3-plasma-67_Cluster_1510_sequences=112  | 504       | 112   |
| SDS-V3-plasma-7_Cluster_432_sequences=111    | 14        | 111   |
| SDS-V3-plasma-8_Cluster_2393_sequences=111   | 16        | 111   |
| SDS-V3-plasma-24_Cluster_92_sequences=111    | 124       | 111   |
| SDS-V3-plasma-24_Cluster_515_sequences=111   | 124       | 111   |
| SDS-V3-plasma-24_Cluster_225_sequences=111   | 124       | 111   |
| SDS-V3-plasma-27_Cluster_401_sequences=111   | 131       | 111   |
| SDS-V3-plasma-45_Cluster_599_sequences=111   | 282       | 111   |
SDS-V3-plasma-45_Cluster_10907_sequences=107  282  107
SDS-V3-plasma-45_Cluster_2015_sequences=107  282  107
SDS-V3-plasma-45_Cluster_81_sequences=107    282  107
SDS-V3-plasma-45_Cluster_789_sequences=107    282  107
SDS-V3-plasma-67_Cluster_598_sequences=107    504  107
SDS-V3-plasma-67_Cluster_3868_sequences=107   504  107
SDS-V3-plasma-67_Cluster_1053_sequences=107   504  107
SDS-V3-plasma-67_Cluster_2528_sequences=107   504  107
SDS-V3-plasma-67_Cluster_1570_sequences=107   504  107
SDS-V3-plasma-24_Cluster_207_sequences=106    124  106
SDS-V3-plasma-27_Cluster_455_sequences=106    131  106
SDS-V3-plasma-27_Cluster_912_sequences=106    131  106
SDS-V3-plasma-45_Cluster_877_sequences=106    282  106
SDS-V3-plasma-45_Cluster_1195_sequences=106   282  106
SDS-V3-plasma-45_Cluster_65686_sequences=106  282  106
SDS-V3-plasma-45_Cluster_3695_sequences=106   282  106
SDS-V3-plasma-46_Cluster_2197_sequences=106   286  106
SDS-V3-plasma-46_Cluster_936_sequences=106    286  106
SDS-V3-plasma-67_Cluster_1689_sequences=106   504  106
SDS-V3-plasma-67_Cluster_2803_sequences=106   504  106
SDS-V3-plasma-67_Cluster_597_sequences=106    504  106
SDS-V3-plasma-0_Cluster_46_sequences=105      0    105
SDS-V3-plasma-7_Cluster_163_sequences=105     14   105
SDS-V3-plasma-27_Cluster_26_sequences=105     131  105
SDS-V3-plasma-45_Cluster_4674_sequences=105  282  105
SDS-V3-plasma-45_Cluster_864_sequences=105    282  105
SDS-V3-plasma-45_Cluster_2129_sequences=105   282  105
SDS-V3-plasma-45_Cluster_3523_sequences=105   282  105
SDS-V3-plasma-46_Cluster_837_sequences=105    286  105
SDS-V3-plasma-67_Cluster_2117_sequences=105   504  105
SDS-V3-plasma-67_Cluster_1816_sequences=105   504  105
SDS-V3-plasma-67_Cluster_998_sequences=105    504  105
SDS-V3-plasma-67_Cluster_1374_sequences=105   504  105
SDS-V3-plasma-8_Cluster_75_sequences=104      16   104
SDS-V3-plasma-8_Cluster_2409_sequences=104    16   104
SDS-V3-plasma-24_Cluster_24_sequences=104     124  104
SDS-V3-plasma-24_Cluster_934_sequences=104    124  104
SDS-V3-plasma-27_Cluster_474_sequences=104    131  104
SDS-V3-plasma-27_Cluster_283_sequences=104    131  104
SDS-V3-plasma-45_Cluster_1320_sequences=104   282  104
SDS-V3-plasma-46_Cluster_645_sequences=104    286  104
SDS-V3-plasma-67_Cluster_3226_sequences=104   504  104
SDS-V3-plasma-67_Cluster_869_sequences=104    504  104
SDS-V3-plasma-0_Cluster_96_sequences=103      0    103
| Cluster Name                  | Sequences | Count |
|------------------------------|-----------|-------|
| SDS-V3-plasma-0_Cluster_421 | 103       | 0     |
| SDS-V3-plasma-0_Cluster_27  | 103       | 0     |
| SDS-V3-plasma-7_Cluster_413 | 103       | 14    |
| SDS-V3-plasma-7_Cluster_381 | 103       | 14    |
| SDS-V3-plasma-24_Cluster_970| 103       | 124   |
| SDS-V3-plasma-24_Cluster_118| 103       | 124   |
| SDS-V3-plasma-24_Cluster_368| 103       | 124   |
| SDS-V3-plasma-24_Cluster_156| 103       | 124   |
| SDS-V3-plasma-27_Cluster_64 | 103       | 131   |
| SDS-V3-plasma-45_Cluster_6281| 103      | 282   |
| SDS-V3-plasma-45_Cluster_1181| 103     | 282   |
| SDS-V3-plasma-45_Cluster_4663| 103   | 282   |
| SDS-V3-plasma-67_Cluster_1693| 103     | 504   |
| SDS-V3-plasma-67_Cluster_1556| 103    | 504   |
| SDS-V3-plasma-67_Cluster_2295| 103    | 504   |
| SDS-V3-plasma-67_Cluster_255 | 103    | 504   |
| SDS-V3-plasma-0_Cluster_496  | 102      | 0     |
| SDS-V3-plasma-0_Cluster_700  | 102      | 0     |
| SDS-V3-plasma-8_Cluster_2637 | 102    | 16    |
| SDS-V3-plasma-8_Cluster_2333 | 102    | 16    |
| SDS-V3-plasma-24_Cluster_69  | 102      | 124   |
| SDS-V3-plasma-45_Cluster_1131| 102     | 282   |
| SDS-V3-plasma-45_Cluster_4066| 102     | 282   |
| SDS-V3-plasma-45_Cluster_1909| 102     | 282   |
| SDS-V3-plasma-46_Cluster_1590| 102     | 286   |
| SDS-V3-plasma-67_Cluster_2980| 102     | 504   |
| SDS-V3-plasma-67_Cluster_1463| 102     | 504   |
| SDS-V3-plasma-67_Cluster_3688| 102     | 504   |
| SDS-V3-plasma-67_Cluster_4536| 102     | 504   |
| SDS-V3-plasma-0_Cluster_94   | 101      | 0     |
| SDS-V3-plasma-27_Cluster_575 | 101     | 131   |
| SDS-V3-plasma-45_Cluster_4154| 101     | 282   |
| SDS-V3-plasma-45_Cluster_3614| 101     | 282   |
| SDS-V3-plasma-45_Cluster_1074| 101     | 282   |
| SDS-V3-plasma-45_Cluster_2328| 101     | 282   |
| SDS-V3-plasma-45_Cluster_4219| 101     | 282   |
| SDS-V3-plasma-45_Cluster_420 | 101      | 282   |
| SDS-V3-plasma-45_Cluster_3224| 101     | 282   |
| SDS-V3-plasma-45_Cluster_711 | 101      | 282   |
| SDS-V3-plasma-67_Cluster_2708| 101     | 504   |
| SDS-V3-plasma-67_Cluster_6929| 101     | 504   |
| SDS-V3-plasma-0_Cluster_1549 | 100      | 0     |
| SDS-V3-plasma-8_Cluster_3287 | 100     | 16    |
| SDS-V3-plasma-24_Cluster_158 | 100      | 124   |
| SDS-V3-plasma-24_Cluster_387 | 100      | 124   |
| Cluster Name                        | Sequences | Identity |
|------------------------------------|-----------|----------|
| SDS-V3-plasma-27_Cluster_436       | 131       | 100      |
| SDS-V3-plasma-45_Cluster_837       | 282       | 100      |
| SDS-V3-plasma-45_Cluster_856       | 282       | 100      |
| SDS-V3-plasma-45_Cluster_2624      | 282       | 100      |
| SDS-V3-plasma-45_Cluster_758       | 282       | 100      |
| SDS-V3-plasma-46_Cluster_612       | 286       | 100      |
| SDS-V3-plasma-67_Cluster_3815      | 504       | 100      |
| SDS-V3-plasma-67_Cluster_5232      | 504       | 100      |
| SDS-V3-plasma-67_Cluster_1680      | 504       | 100      |
| SDS-V3-plasma-67_Cluster_2015      | 504       | 100      |
| SDS-V3-plasma-67_Cluster_792       | 504       | 100      |
| SDS-V3-plasma-67_Cluster_1228      | 504       | 100      |
| SDS-V3-plasma-67_Cluster_1205      | 504       | 100      |
| SDS-V3-plasma-67_Cluster_2780      | 504       | 100      |
| SDS-V3-plasma-0_Cluster_2000       | 0         | 99       |
| SDS-V3-plasma-0_Cluster_458        | 0         | 99       |
| SDS-V3-plasma-7_Cluster_411        | 14        | 99       |
| SDS-V3-plasma-8_Cluster_54         | 16        | 99       |
| SDS-V3-plasma-8_Cluster_17         | 16        | 99       |
| SDS-V3-plasma-8_Cluster_2815       | 16        | 99       |
| SDS-V3-plasma-24_Cluster_407       | 124       | 99       |
| SDS-V3-plasma-27_Cluster_533       | 131       | 99       |
| SDS-V3-plasma-27_Cluster_344       | 131       | 99       |
| SDS-V3-plasma-27_Cluster_402       | 131       | 99       |
| SDS-V3-plasma-45_Cluster_7584      | 282       | 99       |
| SDS-V3-plasma-45_Cluster_1821      | 282       | 99       |
| SDS-V3-plasma-45_Cluster_6355      | 282       | 99       |
| SDS-V3-plasma-46_Cluster_1684      | 286       | 99       |
| SDS-V3-plasma-46_Cluster_2433      | 286       | 99       |
| SDS-V3-plasma-67_Cluster_5533      | 504       | 99       |
| SDS-V3-plasma-67_Cluster_1143      | 504       | 99       |
| SDS-V3-plasma-67_Cluster_2000      | 504       | 99       |
| SDS-V3-plasma-67_Cluster_1395      | 504       | 99       |
| SDS-V3-plasma-0_Cluster_1341       | 0         | 98       |
| SDS-V3-plasma-0_Cluster_1022       | 0         | 98       |
| SDS-V3-plasma-8_Cluster_2358       | 16        | 98       |
| SDS-V3-plasma-24_Cluster_840       | 124       | 98       |
| SDS-V3-plasma-24_Cluster_414       | 124       | 98       |
| SDS-V3-plasma-27_Cluster_496       | 131       | 98       |
| SDS-V3-plasma-45_Cluster_2255      | 282       | 98       |
| SDS-V3-plasma-45_Cluster_1157      | 282       | 98       |
| SDS-V3-plasma-45_Cluster_4006      | 282       | 98       |
| SDS-V3-plasma-67_Cluster_439       | 504       | 98       |
| SDS-V3-plasma-67_Cluster_15798     | 504       | 98       |
| SDS-V3-plasma-67_Cluster_1836      | 504       | 98       |
SDS-V3-plasma-67_Cluster_2546_sequences=98 504 98
SDS-V3-plasma-67_Cluster_2939_sequences=98 504 98
SDS-V3-plasma-67_Cluster_5987_sequences=98 504 98
SDS-V3-plasma-67_Cluster_4464_sequences=98 504 98
SDS-V3-plasma-67_Cluster_2794_sequences=98 504 98
SDS-V3-plasma-67_Cluster_2281_sequences=98 504 98
SDS-V3-plasma-0_Cluster_1666_sequences=97 0 97
SDS-V3-plasma-0_Cluster_295_sequences=97 0 97
SDS-V3-plasma-0_Cluster_796_sequences=97 0 97
SDS-V3-plasma-0_Cluster_2407_sequences=97 0 97
SDS-V3-plasma-0_Cluster_304_sequences=97 0 97
SDS-V3-plasma-24_Cluster_3736_sequences=97 124 97
SDS-V3-plasma-24_Cluster_224_sequences=97 124 97
SDS-V3-plasma-27_Cluster_704_sequences=97 131 97
SDS-V3-plasma-27_Cluster_145_sequences=97 131 97
SDS-V3-plasma-45_Cluster_7531_sequences=97 282 97
SDS-V3-plasma-45_Cluster_7870_sequences=97 282 97
SDS-V3-plasma-45_Cluster_2064_sequences=97 282 97
SDS-V3-plasma-45_Cluster_2956_sequences=97 282 97
SDS-V3-plasma-46_Cluster_1833_sequences=97 286 97
SDS-V3-plasma-46_Cluster_896_sequences=97 286 97
SDS-V3-plasma-45_Cluster_3209_sequences=97 504 97
SDS-V3-plasma-45_Cluster_210_sequences=97 504 97
SDS-V3-plasma-45_Cluster_199_sequences=97 504 97
SDS-V3-plasma-45_Cluster_926_sequences=97 504 97
SDS-V3-plasma-45_Cluster_1679_sequences=97 504 97
SDS-V3-plasma-67_Cluster_3209_sequences=97 504 97
SDS-V3-plasma-67_Cluster_210_sequences=97 504 97
SDS-V3-plasma-67_Cluster_199_sequences=97 504 97
SDS-V3-plasma-67_Cluster_926_sequences=97 504 97
SDS-V3-plasma-67_Cluster_1679_sequences=97 504 97
SDS-V3-plasma-67_Cluster_602_sequences=96 124 96
SDS-V3-plasma-27_Cluster_1654_sequences=96 131 96
SDS-V3-plasma-45_Cluster_492_sequences=96 282 96
SDS-V3-plasma-67_Cluster_646_sequences=96 504 96
SDS-V3-plasma-67_Cluster_4860_sequences=96 504 96
SDS-V3-plasma-67_Cluster_3430_sequences=96 504 96
SDS-V3-plasma-67_Cluster_304_sequences=96 504 96
SDS-V3-plasma-67_Cluster_6060_sequences=96 504 96
SDS-V3-plasma-67_Cluster_357_sequences=96 504 96
SDS-V3-plasma-67_Cluster_555_sequences=96 504 96
SDS-V3-plasma-0_Cluster_1150_sequences=95 0 95
SDS-V3-plasma-24_Cluster_441_sequences=95 124 95
SDS-V3-plasma-27_Cluster_75_sequences=95 131 95
SDS-V3-plasma-45_Cluster_3199_sequences=95 282 95
SDS-V3-plasma-45_Cluster_1443_sequences=95 282 95
SDS-V3-plasma-45_Cluster_3967_sequences=95 282 95
SDS-V3-plasma-45_Cluster_432_sequences=95 282 95
SDS-V3-plasma-45_Cluster_859_sequences=95  282  95
SDS-V3-plasma-45_Cluster_2276_sequences=95  282  95
SDS-V3-plasma-46_Cluster_178_sequences=95  286  95
SDS-V3-plasma-67_Cluster_1417_sequences=95  504  95
SDS-V3-plasma-67_Cluster_985_sequences=95  504  95
SDS-V3-plasma-67_Cluster_4158_sequences=95  504  95
SDS-V3-plasma-67_Cluster_3525_sequences=95  504  95
SDS-V3-plasma-8_Cluster_20_sequences=94  16  94
SDS-V3-plasma-27_Cluster_186_sequences=94  131  94
SDS-V3-plasma-27_Cluster_674_sequences=94  131  94
SDS-V3-plasma-45_Cluster_830_sequences=94  282  94
SDS-V3-plasma-45_Cluster_566_sequences=94  282  94
SDS-V3-plasma-45_Cluster_2867_sequences=94  282  94
SDS-V3-plasma-45_Cluster_1616_sequences=94  282  94
SDS-V3-plasma-45_Cluster_303_sequences=94  282  94
SDS-V3-plasma-45_Cluster_1194_sequences=94  282  94
SDS-V3-plasma-46_Cluster_1287_sequences=94  286  94
SDS-V3-plasma-67_Cluster_381_sequences=94  504  94
SDS-V3-plasma-67_Cluster_3431_sequences=94  504  94
SDS-V3-plasma-67_Cluster_5579_sequences=94  504  94
SDS-V3-plasma-67_Cluster_1234_sequences=94  504  94
SDS-V3-plasma-67_Cluster_9526_sequences=94  504  94
SDS-V3-plasma-67_Cluster_1495_sequences=94  504  94
SDS-V3-plasma-67_Cluster_4483_sequences=94  504  94
SDS-V3-plasma-67_Cluster_2745_sequences=94  504  94
SDS-V3-plasma-67_Cluster_441_sequences=94  504  94
SDS-V3-plasma-0_Cluster_1157_sequences=93  0  93
SDS-V3-plasma-0_Cluster_16910_sequences=93  0  93
SDS-V3-plasma-7_Cluster_182_sequences=93  14  93
SDS-V3-plasma-24_Cluster_776_sequences=93  124  93
SDS-V3-plasma-24_Cluster_12_sequences=93  124  93
SDS-V3-plasma-27_Cluster_331_sequences=93  131  93
SDS-V3-plasma-27_Cluster_414_sequences=93  131  93
SDS-V3-plasma-27_Cluster_950_sequences=93  131  93
SDS-V3-plasma-45_Cluster_2762_sequences=93  282  93
SDS-V3-plasma-45_Cluster_4738_sequences=93  282  93
SDS-V3-plasma-45_Cluster_1849_sequences=93  282  93
SDS-V3-plasma-45_Cluster_1003_sequences=93  282  93
SDS-V3-plasma-45_Cluster_6029_sequences=93  282  93
SDS-V3-plasma-45_Cluster_3917_sequences=93  282  93
SDS-V3-plasma-45_Cluster_2576_sequences=93  282  93
SDS-V3-plasma-45_Cluster_6031_sequences=93  282  93
SDS-V3-plasma-45_Cluster_1504_sequences=93  282  93
SDS-V3-plasma-45_Cluster_2906_sequences=93  282  93
SDS-V3-plasma-45_Cluster_451_sequences=93  282  93
| Cluster Name | Sequences | Length |
|--------------|-----------|--------|
| SDS-V3-plasma-45_Cluster_3287 | 93 | 282 |
| SDS-V3-plasma-46_Cluster_1451 | 93 | 286 |
| SDS-V3-plasma-67_Cluster_2986 | 93 | 504 |
| SDS-V3-plasma-67_Cluster_500 | 93 | 504 |
| SDS-V3-plasma-67_Cluster_4792 | 93 | 504 |
| SDS-V3-plasma-67_Cluster_5762 | 93 | 504 |
| SDS-V3-plasma-67_Cluster_5577 | 93 | 504 |
| SDS-V3-plasma-67_Cluster_4575 | 93 | 504 |
| SDS-V3-plasma-67_Cluster_2874 | 93 | 504 |
| SDS-V3-plasma-67_Cluster_1961 | 93 | 504 |
| SDS-V3-plasma-0_Cluster_192 | 92 | 0 |
| SDS-V3-plasma-0_Cluster_645 | 92 | 0 |
| SDS-V3-plasma-0_Cluster_235 | 92 | 0 |
| SDS-V3-plasma-24_Cluster_163 | 92 | 124 |
| SDS-V3-plasma-27_Cluster_363 | 92 | 131 |
| SDS-V3-plasma-45_Cluster_975 | 92 | 282 |
| SDS-V3-plasma-45_Cluster_2117 | 92 | 282 |
| SDS-V3-plasma-45_Cluster_1982 | 92 | 282 |
| SDS-V3-plasma-45_Cluster_4767 | 92 | 282 |
| SDS-V3-plasma-45_Cluster_5794 | 92 | 282 |
| SDS-V3-plasma-45_Cluster_646 | 92 | 282 |
| SDS-V3-plasma-45_Cluster_1612 | 92 | 282 |
| SDS-V3-plasma-67_Cluster_4806 | 92 | 504 |
| SDS-V3-plasma-67_Cluster_4800 | 92 | 504 |
| SDS-V3-plasma-67_Cluster_230 | 92 | 504 |
| SDS-V3-plasma-67_Cluster_677 | 92 | 504 |
| SDS-V3-plasma-67_Cluster_1155 | 92 | 504 |
| SDS-V3-plasma-67_Cluster_212 | 92 | 504 |
| SDS-V3-plasma-67_Cluster_3368 | 92 | 504 |
| SDS-V3-plasma-0_Cluster_1512 | 91 | 0 |
| SDS-V3-plasma-0_Cluster_740 | 91 | 0 |
| SDS-V3-plasma-5_Cluster_142 | 91 | 9 |
| SDS-V3-plasma-8_Cluster_2592 | 91 | 16 |
| SDS-V3-plasma-24_Cluster_34 | 91 | 124 |
| SDS-V3-plasma-24_Cluster_357 | 91 | 124 |
| SDS-V3-plasma-24_Cluster_51 | 91 | 124 |
| SDS-V3-plasma-27_Cluster_204 | 91 | 131 |
| SDS-V3-plasma-27_Cluster_556 | 91 | 131 |
| SDS-V3-plasma-45_Cluster_5155 | 91 | 282 |
| SDS-V3-plasma-45_Cluster_685 | 91 | 282 |
| SDS-V3-plasma-45_Cluster_3480 | 91 | 282 |
| SDS-V3-plasma-45_Cluster_951 | 91 | 282 |
| SDS-V3-plasma-45_Cluster_80 | 91 | 282 |
| SDS-V3-plasma-46_Cluster_88 | 91 | 286 |
| SDS-V3-plasma-46_Cluster_608 | 91 | 286 |
| SDS-V3-plasma-67_Cluster_3683_sequences=91 | 504  | 91  |
| SDS-V3-plasma-67_Cluster_2733_sequences=91 | 504  | 91  |
| SDS-V3-plasma-67_Cluster_827_sequences=91  | 504  | 91  |
| SDS-V3-plasma-67_Cluster_3610_sequences=91  | 504  | 91  |
| SDS-V3-plasma-67_Cluster_1469_sequences=91  | 504  | 91  |
| SDS-V3-plasma-67_Cluster_7663_sequences=91  | 504  | 91  |
| SDS-V3-plasma-67_Cluster_1376_sequences=91  | 504  | 91  |
| SDS-V3-plasma-67_Cluster_2350_sequences=91  | 504  | 91  |
| SDS-V3-plasma-0_Cluster_164_sequences=90    | 0    | 90  |
| SDS-V3-plasma-0_Cluster_1235_sequences=90   | 0    | 90  |
| SDS-V3-plasma-0_Cluster_2979_sequences=90   | 16   | 90  |
| SDS-V3-plasma-24_Cluster_423_sequences=90   | 124  | 90  |
| SDS-V3-plasma-24_Cluster_659_sequences=90   | 124  | 90  |
| SDS-V3-plasma-24_Cluster_808_sequences=90   | 124  | 90  |
| SDS-V3-plasma-27_Cluster_319_sequences=90   | 131  | 90  |
| SDS-V3-plasma-45_Cluster_2842_sequences=90  | 282  | 90  |
| SDS-V3-plasma-45_Cluster_981_sequences=90   | 282  | 90  |
| SDS-V3-plasma-45_Cluster_1057_sequences=90  | 282  | 90  |
| SDS-V3-plasma-45_Cluster_4500_sequences=90  | 282  | 90  |
| SDS-V3-plasma-45_Cluster_4193_sequences=90  | 282  | 90  |
| SDS-V3-plasma-45_Cluster_6711_sequences=90  | 282  | 90  |
| SDS-V3-plasma-45_Cluster_1057_sequences=90  | 282  | 90  |
| SDS-V3-plasma-45_Cluster_1641_sequences=90  | 504  | 90  |
| SDS-V3-plasma-67_Cluster_3436_sequences=90  | 504  | 90  |
| SDS-V3-plasma-67_Cluster_606_sequences=90   | 504  | 90  |
| SDS-V3-plasma-0_Cluster_1070_sequences=89   | 0    | 89  |
| SDS-V3-plasma-0_Cluster_255_sequences=89    | 0    | 89  |
| SDS-V3-plasma-0_Cluster_272_sequences=89    | 0    | 89  |
| SDS-V3-plasma-7_Cluster_307_sequences=89    | 14   | 89  |
| SDS-V3-plasma-8_Cluster_2406_sequences=89   | 16   | 89  |
| SDS-V3-plasma-24_Cluster_168_sequences=89   | 124  | 89  |
| SDS-V3-plasma-24_Cluster_742_sequences=89   | 124  | 89  |
| SDS-V3-plasma-45_Cluster_2577_sequences=89  | 282  | 89  |
| SDS-V3-plasma-45_Cluster_7073_sequences=89  | 282  | 89  |
| SDS-V3-plasma-45_Cluster_2860_sequences=89  | 282  | 89  |
| SDS-V3-plasma-45_Cluster_3747_sequences=89  | 282  | 89  |
| SDS-V3-plasma-45_Cluster_3054_sequences=89  | 282  | 89  |
| SDS-V3-plasma-45_Cluster_4602_sequences=89  | 282  | 89  |
| SDS-V3-plasma-67_Cluster_3928_sequences=89  | 504  | 89  |
| SDS-V3-plasma-67_Cluster_2144_sequences=89  | 504  | 89  |
| SDS-V3-plasma-67_Cluster_362_sequences=89   | 504  | 89  |
| SDS-V3-plasma-67_Cluster_574_sequences=89   | 504  | 89  |
| SDS-V3-plasma-67_Cluster_1653_sequences=89  | 504  | 89  |
| SDS-V3-plasma-0_Cluster_208_sequences=88    | 0    | 88  |
| SDS-V3-plasma-0_Cluster_725_sequences=88    | 0    | 88  |
SDS-V3-plasma-24_Cluster_186_sequences=86  124   86
SDS-V3-plasma-27_Cluster_467_sequences=86  131   86
SDS-V3-plasma-45_Cluster_2170_sequences=86  282   86
SDS-V3-plasma-45_Cluster_1144_sequences=86  282   86
SDS-V3-plasma-45_Cluster_14755_sequences=86 282   86
SDS-V3-plasma-45_Cluster_4654_sequences=86  282   86
SDS-V3-plasma-46_Cluster_493_sequences=86  286   86
SDS-V3-plasma-46_Cluster_451_sequences=86  286   86
SDS-V3-plasma-46_Cluster_531_sequences=86  286   86
SDS-V3-plasma-67_Cluster_2381_sequences=86 504   86
SDS-V3-plasma-67_Cluster_609_sequences=86  504   86
SDS-V3-plasma-67_Cluster_5053_sequences=86 504   86
SDS-V3-plasma-67_Cluster_1470_sequences=86 504   86
SDS-V3-plasma-67_Cluster_342_sequences=86  504   86
SDS-V3-plasma-0_Cluster_4573_sequences=85  0     85
SDS-V3-plasma-0_Cluster_406_sequences=85  0     85
SDS-V3-plasma-8_Cluster_2349_sequences=85  16    85
SDS-V3-plasma-24_Cluster_109_sequences=85  124   85
SDS-V3-plasma-24_Cluster_347_sequences=85  124   85
SDS-V3-plasma-27_Cluster_758_sequences=85  131   85
SDS-V3-plasma-27_Cluster_210_sequences=85  131   85
SDS-V3-plasma-45_Cluster_619_sequences=85  282   85
SDS-V3-plasma-45_Cluster_4720_sequences=85 282   85
SDS-V3-plasma-45_Cluster_1081_sequences=85 282   85
SDS-V3-plasma-45_Cluster_1255_sequences=85 282   85
SDS-V3-plasma-45_Cluster_5186_sequences=85 282   85
SDS-V3-plasma-45_Cluster_4200_sequences=85 282   85
SDS-V3-plasma-45_Cluster_548_sequences=85  282   85
SDS-V3-plasma-45_Cluster_298_sequences=85  282   85
SDS-V3-plasma-46_Cluster_3412_sequences=85 286   85
SDS-V3-plasma-67_Cluster_6547_sequences=85 504   85
SDS-V3-plasma-67_Cluster_6787_sequences=85 504   85
SDS-V3-plasma-67_Cluster_590_sequences=85  504   85
SDS-V3-plasma-67_Cluster_12027_sequences=85 504   85
SDS-V3-plasma-67_Cluster_10742_sequences=85 504   85
SDS-V3-plasma-67_Cluster_2695_sequences=85  504   85
SDS-V3-plasma-0_Cluster_150_sequences=84  0     84
SDS-V3-plasma-0_Cluster_202_sequences=84  0     84
SDS-V3-plasma-27_Cluster_57_sequences=84  131   84
SDS-V3-plasma-27_Cluster_929_sequences=84  131   84
SDS-V3-plasma-45_Cluster_336_sequences=84  282   84
SDS-V3-plasma-45_Cluster_373_sequences=84  282   84
SDS-V3-plasma-45_Cluster_7427_sequences=84 282   84
SDS-V3-plasma-45_Cluster_1695_sequences=84 282   84
SDS-V3-plasma-46_Cluster_1241_sequences=84 286   84
| Dataset                   | Clusters          | Sequences | Total | %  |
|--------------------------|-------------------|-----------|-------|----|
| SDS-V3-plasma-67_Cluster | 442sequences=84   | 504       | 84    |
|                          | 9533sequences=84  | 504       | 84    |
|                          | 5597sequences=84  | 504       | 84    |
|                          | 4884sequences=84  | 504       | 84    |
|                          | 3542sequences=84  | 504       | 84    |
|                          | 2713sequences=83  | 0         | 83    |
|                          | 1173sequences=83  | 0         | 83    |
|                          | 263sequences=83   | 0         | 83    |
|                          | 1040sequences=83  | 0         | 83    |
|                          | 681sequences=83   | 0         | 83    |
|                          | 2316sequences=83  | 16        | 83    |
|                          | 871sequences=83   | 124       | 83    |
|                          | 375sequences=83   | 124       | 83    |
|                          | 928sequences=83   | 124       | 83    |
|                          | 826sequences=83   | 124       | 83    |
|                          | 146sequences=83   | 124       | 83    |
|                          | 111sequences=83   | 131       | 83    |
|                          | 144sequences=83   | 131       | 83    |
|                          | 1365sequences=83  | 131       | 83    |
|                          | 4584sequences=83  | 282       | 83    |
|                          | 4757sequences=83  | 282       | 83    |
|                          | 2497sequences=83  | 282       | 83    |
|                          | 398sequences=83   | 282       | 83    |
|                          | 446sequences=83   | 282       | 83    |
|                          | 5593sequences=83  | 282       | 83    |
|                          | 73sequences=83    | 282       | 83    |
|                          | 4454sequences=83  | 282       | 83    |
|                          | 1708sequences=83  | 282       | 83    |
|                          | 1617sequences=83  | 286       | 83    |
|                          | 3053sequences=83  | 504       | 83    |
|                          | 2622sequences=83  | 504       | 83    |
|                          | 7910sequences=83  | 504       | 83    |
|                          | 1644sequences=83  | 504       | 83    |
|                          | 510sequences=82   | 0         | 82    |
|                          | 279sequences=82   | 0         | 82    |
|                          | 2341sequences=82  | 0         | 82    |
|                          | 170sequences=82   | 14        | 82    |
|                          | 2673sequences=82  | 16        | 82    |
|                          | 322sequences=82   | 131       | 82    |
|                          | 45sequences=82    | 131       | 82    |
|                          | 731sequences=82   | 131       | 82    |
|                          | 935sequences=82   | 282       | 82    |
|                          | 2621sequences=82  | 282       | 82    |
|                          | 768sequences=82   | 282       | 82    |
|                          | 755sequences=82   | 282       | 82    |
| Cluster Name: SDS-V3-plasma-45 | Sequences | Average K | Standard Deviation |
|--------------------------------|-----------|-----------|--------------------|
| Cluster_1268                  | 82        | 282       | 82                 |
| Cluster_3659                  | 82        | 282       | 82                 |
| Cluster_154                   | 82        | 286       | 82                 |
| Cluster_3321                  | 82        | 504       | 82                 |
| Cluster_3413                  | 82        | 504       | 82                 |
| Cluster_427                   | 82        | 504       | 82                 |
| Cluster_2680                  | 82        | 504       | 82                 |
| Cluster_2321                  | 82        | 504       | 82                 |
| Cluster_1488                  | 82        | 504       | 82                 |
| Cluster_43                   | 81        | 282       | 81                 |
| Cluster_7597                  | 81        | 282       | 81                 |
| Cluster_3685                  | 81        | 282       | 81                 |
| Cluster_7670                  | 81        | 282       | 81                 |
| Cluster_2755                  | 81        | 282       | 81                 |
| Cluster_3926                  | 81        | 282       | 81                 |
| Cluster_2260                  | 81        | 282       | 81                 |
| Cluster_2726                  | 81        | 282       | 81                 |
| Cluster_723                   | 81        | 286       | 81                 |
| Cluster_306                   | 81        | 504       | 81                 |
| Cluster_2330                  | 81        | 504       | 81                 |
| Cluster_2143                  | 81        | 504       | 81                 |
| Cluster_1132                  | 81        | 504       | 81                 |
| Cluster_221                   | 80        | 0         | 80                 |
| Cluster_41                    | 80        | 0         | 80                 |
| Cluster_435                   | 80        | 0         | 80                 |
| Cluster_1962                  | 80        | 0         | 80                 |
| Cluster_1202                  | 80        | 0         | 80                 |
| Cluster_427                   | 80        | 0         | 80                 |
| Cluster_199                   | 80        | 124       | 80                 |
| Cluster_504                   | 80        | 124       | 80                 |
| Cluster_162                   | 80        | 124       | 80                 |
| Cluster_1943                  | 80        | 131       | 80                 |
| Cluster_183                   | 80        | 131       | 80                 |
| Cluster_5503                  | 80        | 282       | 80                 |
| Cluster_368                   | 80        | 282       | 80                 |
| Cluster_7258                  | 80        | 282       | 80                 |
| Cluster_2623                  | 80        | 282       | 80                 |
| Cluster_101                   | 80        | 286       | 80                 |
| Cluster_436                   | 80        | 286       | 80                 |
| Sequence ID                  | Clusters | Sequences |
|-----------------------------|----------|-----------|
| SDS-V3-plasma-45_Cluster_2426_sequences=78 | 282   | 78        |
| SDS-V3-plasma-45_Cluster_1124_sequences=78  | 282   | 78        |
| SDS-V3-plasma-45_Cluster_11033_sequences=78 | 282   | 78        |
| SDS-V3-plasma-46_Cluster_227_sequences=78   | 286   | 78        |
| SDS-V3-plasma-46_Cluster_2943_sequences=78  | 286   | 78        |
| SDS-V3-plasma-67_Cluster_6703_sequences=78  | 504   | 78        |
| SDS-V3-plasma-67_Cluster_510_sequences=78   | 504   | 78        |
| SDS-V3-plasma-67_Cluster_591_sequences=78   | 504   | 78        |
| SDS-V3-plasma-67_Cluster_1161_sequences=78  | 504   | 78        |
| SDS-V3-plasma-67_Cluster_595_sequences=78   | 504   | 78        |
| SDS-V3-plasma-67_Cluster_2757_sequences=78  | 504   | 78        |
| SDS-V3-plasma-0_Cluster_765_sequences=77    | 0     | 77        |
| SDS-V3-plasma-0_Cluster_1379_sequences=77   | 0     | 77        |
| SDS-V3-plasma-7_Cluster_535_sequences=77    | 14    | 77        |
| SDS-V3-plasma-7_Cluster_204_sequences=77    | 14    | 77        |
| SDS-V3-plasma-24_Cluster_65_sequences=77    | 124   | 77        |
| SDS-V3-plasma-24_Cluster_705_sequences=77   | 124   | 77        |
| SDS-V3-plasma-24_Cluster_450_sequences=77   | 124   | 77        |
| SDS-V3-plasma-24_Cluster_451_sequences=77   | 124   | 77        |
| SDS-V3-plasma-24_Cluster_502_sequences=77   | 124   | 77        |
| SDS-V3-plasma-24_Cluster_223_sequences=77   | 124   | 77        |
| SDS-V3-plasma-27_Cluster_438_sequences=77   | 131   | 77        |
| SDS-V3-plasma-27_Cluster_483_sequences=77   | 131   | 77        |
| SDS-V3-plasma-27_Cluster_933_sequences=77   | 131   | 77        |
| SDS-V3-plasma-27_Cluster_318_sequences=77   | 131   | 77        |
| SDS-V3-plasma-27_Cluster_3750_sequences=77  | 131   | 77        |
| SDS-V3-plasma-27_Cluster_803_sequences=77   | 131   | 77        |
| SDS-V3-plasma-45_Cluster_835_sequences=77   | 282   | 77        |
| SDS-V3-plasma-45_Cluster_1819_sequences=77  | 282   | 77        |
| SDS-V3-plasma-45_Cluster_4290_sequences=77  | 282   | 77        |
| SDS-V3-plasma-45_Cluster_37_sequences=77    | 282   | 77        |
| SDS-V3-plasma-45_Cluster_1403_sequences=77  | 282   | 77        |
| SDS-V3-plasma-45_Cluster_4636_sequences=77  | 282   | 77        |
| SDS-V3-plasma-45_Cluster_5558_sequences=77  | 282   | 77        |
| SDS-V3-plasma-46_Cluster_3514_sequences=77  | 286   | 77        |
| SDS-V3-plasma-46_Cluster_590_sequences=77   | 286   | 77        |
| SDS-V3-plasma-46_Cluster_373_sequences=77   | 286   | 77        |
| SDS-V3-plasma-67_Cluster_7463_sequences=77  | 504   | 77        |
| SDS-V3-plasma-67_Cluster_1423_sequences=77  | 504   | 77        |
| SDS-V3-plasma-67_Cluster_1291_sequences=77  | 504   | 77        |
| SDS-V3-plasma-67_Cluster_3859_sequences=77  | 504   | 77        |
| SDS-V3-plasma-67_Cluster_5559_sequences=77  | 504   | 77        |
| SDS-V3-plasma-67_Cluster_6474_sequences=77  | 504   | 77        |
| SDS-V3-plasma-67_Cluster_2169_sequences=77  | 504   | 77        |
| SDS-V3-plasma-0_Cluster_250_sequences=76    | 0     | 76        |
| Cluster Name                        | Sequences | Count | Total |
|------------------------------------|-----------|-------|-------|
| SDS-V3-plasma-0_Cluster_1261       | 76        | 0     | 76    |
| SDS-V3-plasma-24_Cluster_324       | 76        | 124   | 66    |
| SDS-V3-plasma-27_Cluster_1873      | 76        | 131   | 66    |
| SDS-V3-plasma-27_Cluster_517       | 76        | 131   | 66    |
| SDS-V3-plasma-27_Cluster_55        | 76        | 131   | 66    |
| SDS-V3-plasma-27_Cluster_249       | 76        | 131   | 66    |
| SDS-V3-plasma-45_Cluster_681       | 76        | 282   | 66    |
| SDS-V3-plasma-45_Cluster_639       | 76        | 282   | 66    |
| SDS-V3-plasma-45_Cluster_197       | 76        | 282   | 66    |
| SDS-V3-plasma-45_Cluster_51        | 76        | 282   | 66    |
| SDS-V3-plasma-45_Cluster_1431      | 76        | 282   | 66    |
| SDS-V3-plasma-45_Cluster_6138      | 76        | 282   | 66    |
| SDS-V3-plasma-45_Cluster_510       | 76        | 282   | 66    |
| SDS-V3-plasma-45_Cluster_4647      | 76        | 282   | 66    |
| SDS-V3-plasma-45_Cluster_1558      | 76        | 282   | 66    |
| SDS-V3-plasma-46_Cluster_756       | 76        | 286   | 66    |
| SDS-V3-plasma-67_Cluster_5376      | 76        | 504   | 66    |
| SDS-V3-plasma-67_Cluster_8090      | 76        | 504   | 66    |
| SDS-V3-plasma-67_Cluster_903       | 76        | 504   | 66    |
| SDS-V3-plasma-67_Cluster_450       | 76        | 504   | 66    |
| SDS-V3-plasma-67_Cluster_1674      | 76        | 504   | 66    |
| SDS-V3-plasma-67_Cluster_2148      | 76        | 504   | 66    |
| SDS-V3-plasma-67_Cluster_3473      | 76        | 504   | 66    |
| SDS-V3-plasma-67_Cluster_3215      | 76        | 504   | 66    |
| SDS-V3-plasma-67_Cluster_3796      | 76        | 504   | 66    |
| SDS-V3-plasma-67_Cluster_1241      | 76        | 504   | 66    |
| SDS-V3-plasma-67_Cluster_2844      | 76        | 504   | 66    |
| SDS-V3-plasma-67_Cluster_8834      | 76        | 504   | 66    |
| SDS-V3-plasma-0_Cluster_1594       | 75        | 0     | 75    |
| SDS-V3-plasma-0_Cluster_1943       | 75        | 0     | 75    |
| SDS-V3-plasma-0_Cluster_911        | 75        | 0     | 75    |
| SDS-V3-plasma-0_Cluster_929        | 75        | 0     | 75    |
| SDS-V3-plasma-5_Cluster_53         | 75        | 9     | 75    |
| SDS-V3-plasma-7_Cluster_805        | 75        | 14    | 75    |
| SDS-V3-plasma-24_Cluster_181       | 75        | 124   | 75    |
| SDS-V3-plasma-24_Cluster_352       | 75        | 124   | 75    |
| SDS-V3-plasma-24_Cluster_834       | 75        | 124   | 75    |
| SDS-V3-plasma-24_Cluster_752       | 75        | 124   | 75    |
| SDS-V3-plasma-27_Cluster_725       | 75        | 131   | 75    |
| SDS-V3-plasma-27_Cluster_776       | 75        | 131   | 75    |
| SDS-V3-plasma-27_Cluster_733       | 75        | 131   | 75    |
| SDS-V3-plasma-45_Cluster_2733      | 75        | 282   | 75    |
| SDS-V3-plasma-45_Cluster_6251      | 75        | 282   | 75    |
| SDS-V3-plasma-45_Cluster_74        | 75        | 282   | 75    |
| SDS-V3-plasma-45_Cluster_1349      | 75        | 282   | 75    |
| Cluster Name                     | Sequences | Cluster Size |
|---------------------------------|-----------|--------------|
| SDS-V3-plasma-45_Cluster_12354 | 282       | 75           |
| SDS-V3-plasma-45_Cluster_9261  | 282       | 75           |
| SDS-V3-plasma-45_Cluster_717   | 282       | 75           |
| SDS-V3-plasma-45_Cluster_1214  | 282       | 75           |
| SDS-V3-plasma-46_Cluster_294   | 286       | 75           |
| SDS-V3-plasma-46_Cluster_1044  | 286       | 75           |
| SDS-V3-plasma-46_Cluster_1337  | 286       | 75           |
| SDS-V3-plasma-46_Cluster_435   | 286       | 75           |
| SDS-V3-plasma-67_Cluster_4348  | 504       | 75           |
| SDS-V3-plasma-67_Cluster_204   | 504       | 75           |
| SDS-V3-plasma-67_Cluster_14558 | 504       | 75           |
| SDS-V3-plasma-67_Cluster_2208  | 504       | 75           |
| SDS-V3-plasma-67_Cluster_2652  | 504       | 75           |
| SDS-V3-plasma-67_Cluster_8121  | 504       | 75           |
| SDS-V3-plasma-67_Cluster_4224  | 504       | 75           |
| SDS-V3-plasma-67_Cluster_2408  | 504       | 75           |
| SDS-V3-plasma-67_Cluster_529   | 504       | 75           |
| SDS-V3-plasma-67_Cluster_6653  | 504       | 75           |
| SDS-V3-plasma-67_Cluster_741   | 504       | 75           |
| SDS-V3-plasma-67_Cluster_8941  | 504       | 75           |
| SDS-V3-plasma-67_Cluster_13130 | 504       | 75           |
| SDS-V3-plasma-0_Cluster_947    | 0         | 74           |
| SDS-V3-plasma-0_Cluster_1501   | 0         | 74           |
| SDS-V3-plasma-0_Cluster_3229   | 0         | 74           |
| SDS-V3-plasma-0_Cluster_357    | 0         | 74           |
| SDS-V3-plasma-8_Cluster_2500   | 16        | 74           |
| SDS-V3-plasma-24_Cluster_1804  | 124       | 74           |
| SDS-V3-plasma-24_Cluster_979   | 124       | 74           |
| SDS-V3-plasma-24_Cluster_527   | 124       | 74           |
| SDS-V3-plasma-24_Cluster_574   | 124       | 74           |
| SDS-V3-plasma-27_Cluster_1066  | 131       | 74           |
| SDS-V3-plasma-27_Cluster_214   | 131       | 74           |
| SDS-V3-plasma-27_Cluster_572   | 131       | 74           |
| SDS-V3-plasma-45_Cluster_1236  | 282       | 74           |
| SDS-V3-plasma-45_Cluster_3850  | 282       | 74           |
| SDS-V3-plasma-45_Cluster_3297  | 282       | 74           |
| SDS-V3-plasma-45_Cluster_1032  | 282       | 74           |
| SDS-V3-plasma-45_Cluster_5403  | 282       | 74           |
| SDS-V3-plasma-45_Cluster_4951  | 282       | 74           |
| SDS-V3-plasma-67_Cluster_507   | 504       | 74           |
| SDS-V3-plasma-67_Cluster_1841  | 504       | 74           |
| SDS-V3-plasma-67_Cluster_2568  | 504       | 74           |
| SDS-V3-plasma-67_Cluster_4722  | 504       | 74           |
| SDS-V3-plasma-0_Cluster_955    | 0         | 73           |
| SDS-V3-plasma-0_Cluster_270    | 0         | 73           |
| Sample                | Cluster | Sequences | Count |
|-----------------------|---------|-----------|-------|
| SDS-V3-plasma-0_Cluster_570_sequences=73 | 0       | 73        |
| SDS-V3-plasma-24_Cluster_328_sequences=73  | 124     | 73        |
| SDS-V3-plasma-24_Cluster_623_sequences=73  | 124     | 73        |
| SDS-V3-plasma-27_Cluster_1165_sequences=73 | 131     | 73        |
| SDS-V3-plasma-45_Cluster_7992_sequences=73 | 282     | 73        |
| SDS-V3-plasma-45_Cluster_281_sequences=73  | 282     | 73        |
| SDS-V3-plasma-45_Cluster_3081_sequences=73 | 282     | 73        |
| SDS-V3-plasma-45_Cluster_47_sequences=73   | 282     | 73        |
| SDS-V3-plasma-45_Cluster_3475_sequences=73 | 282     | 73        |
| SDS-V3-plasma-45_Cluster_5156_sequences=73 | 282     | 73        |
| SDS-V3-plasma-45_Cluster_3137_sequences=73 | 282     | 73        |
| SDS-V3-plasma-45_Cluster_6704_sequences=73 | 282     | 73        |
| SDS-V3-plasma-45_Cluster_1200_sequences=73 | 286     | 73        |
| SDS-V3-plasma-45_Cluster_1200_sequences=73 | 286     | 73        |
| SDS-V3-plasma-46_Cluster_7717_sequences=73 | 504     | 73        |
| SDS-V3-plasma-67_Cluster_1537_sequences=73 | 504     | 73        |
| SDS-V3-plasma-67_Cluster_897_sequences=73  | 504     | 73        |
| SDS-V3-plasma-67_Cluster_526_sequences=73  | 504     | 73        |
| SDS-V3-plasma-67_Cluster_1145_sequences=73 | 504     | 73        |
| SDS-V3-plasma-0_Cluster_925_sequences=72   | 0       | 72        |
| SDS-V3-plasma-0_Cluster_1175_sequences=72  | 2      | 72        |
| SDS-V3-plasma-0_Cluster_761_sequences=72   | 0       | 72        |
| SDS-V3-plasma-7_Cluster_75_sequences=72    | 14      | 72        |
| SDS-V3-plasma-8_Cluster_2606_sequences=72  | 16      | 72        |
| SDS-V3-plasma-24_Cluster_758_sequences=72  | 124     | 72        |
| SDS-V3-plasma-24_Cluster_1175_sequences=72 | 124     | 72        |
| SDS-V3-plasma-27_Cluster_299_sequences=72  | 131     | 72        |
| SDS-V3-plasma-27_Cluster_79_sequences=72   | 131     | 72        |
| SDS-V3-plasma-45_Cluster_1197_sequences=72 | 282     | 72        |
| SDS-V3-plasma-45_Cluster_370_sequences=72  | 282     | 72        |
| SDS-V3-plasma-45_Cluster_3904_sequences=72 | 282     | 72        |
| SDS-V3-plasma-45_Cluster_1813_sequences=72 | 282     | 72        |
| SDS-V3-plasma-45_Cluster_1500_sequences=72 | 282     | 72        |
| SDS-V3-plasma-45_Cluster_4101_sequences=72 | 282     | 72        |
| SDS-V3-plasma-45_Cluster_4101_sequences=72 | 282     | 72        |
| SDS-V3-plasma-45_Cluster_142_sequences=72  | 282     | 72        |
| SDS-V3-plasma-45_Cluster_2154_sequences=72 | 282     | 72        |
| SDS-V3-plasma-45_Cluster_35_sequences=72   | 282     | 72        |
| SDS-V3-plasma-45_Cluster_7703_sequences=72 | 282     | 72        |
| SDS-V3-plasma-45_Cluster_4862_sequences=72 | 282     | 72        |
| SDS-V3-plasma-45_Cluster_6727_sequences=72 | 282     | 72        |
| SDS-V3-plasma-45_Cluster_103_sequences=72  | 282     | 72        |
| SDS-V3-plasma-45_Cluster_9041_sequences=72 | 282     | 72        |
| SDS-V3-plasma-45_Cluster_650_sequences=72  | 282     | 72        |
| SDS-V3-plasma-45_Cluster_6708_sequences=72 | 282     | 72        |
| SDS-V3-plasma-45_Cluster_1302_sequences=72 | 282     | 72        |
| Sample Name                  | Cluster ID       | Sequences   |
|-----------------------------|------------------|-------------|
| SDS-V3-plasma-45_Cluster_2373 | sequences=72     | 282         |
| SDS-V3-plasma-46_Cluster_1012 | sequences=72     | 286         |
| SDS-V3-plasma-46_Cluster_1871 | sequences=72     | 286         |
| SDS-V3-plasma-67_Cluster_2505 | sequences=72     | 504         |
| SDS-V3-plasma-67_Cluster_10631 | sequences=72   | 504         |
| SDS-V3-plasma-67_Cluster_891  | sequences=72     | 504         |
| SDS-V3-plasma-0_Cluster_1426  | sequences=71     | 0           |
| SDS-V3-plasma-0_Cluster_1635  | sequences=71     | 0           |
| SDS-V3-plasma-0_Cluster_2040  | sequences=71     | 0           |
| SDS-V3-plasma-0_Cluster_534   | sequences=71     | 0           |
| SDS-V3-plasma-0_Cluster_461   | sequences=71     | 0           |
| SDS-V3-plasma-0_Cluster_10823 | sequences=71    | 0           |
| SDS-V3-plasma-8_Cluster_2411  | sequences=71     | 16          |
| SDS-V3-plasma-8_Cluster_2809  | sequences=71     | 16          |
| SDS-V3-plasma-24_Cluster_1108 | sequences=71     | 124         |
| SDS-V3-plasma-24_Cluster_128  | sequences=71     | 124         |
| SDS-V3-plasma-24_Cluster_216  | sequences=71     | 124         |
| SDS-V3-plasma-24_Cluster_392  | sequences=71     | 124         |
| SDS-V3-plasma-24_Cluster_1004 | sequences=71    | 124         |
| SDS-V3-plasma-27_Cluster_244  | sequences=71     | 131         |
| SDS-V3-plasma-27_Cluster_649  | sequences=71     | 131         |
| SDS-V3-plasma-27_Cluster_96   | sequences=71     | 131         |
| SDS-V3-plasma-27_Cluster_32   | sequences=71     | 131         |
| SDS-V3-plasma-27_Cluster_54   | sequences=71     | 131         |
| SDS-V3-plasma-45_Cluster_7663 | sequences=71    | 282         |
| SDS-V3-plasma-45_Cluster_2155 | sequences=71     | 282         |
| SDS-V3-plasma-45_Cluster_4008 | sequences=71     | 282         |
| SDS-V3-plasma-45_Cluster_1267 | sequences=71     | 282         |
| SDS-V3-plasma-45_Cluster_5647 | sequences=71     | 282         |
| SDS-V3-plasma-45_Cluster_2125 | sequences=71     | 282         |
| SDS-V3-plasma-45_Cluster_1597 | sequences=71     | 282         |
| SDS-V3-plasma-45_Cluster_9331 | sequences=71     | 282         |
| SDS-V3-plasma-45_Cluster_684  | sequences=71     | 282         |
| SDS-V3-plasma-46_Cluster_1978 | sequences=71     | 286         |
| SDS-V3-plasma-46_Cluster_934  | sequences=71     | 286         |
| SDS-V3-plasma-46_Cluster_853  | sequences=71     | 286         |
| SDS-V3-plasma-46_Cluster_778  | sequences=71     | 286         |
| SDS-V3-plasma-46_Cluster_649  | sequences=71     | 286         |
| SDS-V3-plasma-46_Cluster_2012 | sequences=71     | 286         |
| SDS-V3-plasma-67_Cluster_858  | sequences=71     | 504         |
| SDS-V3-plasma-67_Cluster_1578 | sequences=71     | 504         |
| SDS-V3-plasma-67_Cluster_6108 | sequences=71     | 504         |
| SDS-V3-plasma-67_Cluster_3881 | sequences=71     | 504         |
| SDS-V3-plasma-0_Cluster_271  | sequences=70     | 0           |
| SDS-V3-plasma-0_Cluster_271   | sequences=70     | 0           |
| Cluster Name                  | Sequences   | Assignments |
|------------------------------|-------------|-------------|
| SDS-V3-plasma-0_Cluster_121  | 70          | 0           |
| SDS-V3-plasma-0_Cluster_1153 | 70          | 0           |
| SDS-V3-plasma-0_Cluster_217  | 70          | 0           |
| SDS-V3-plasma-0_Cluster_502  | 70          | 0           |
| SDS-V3-plasma-0_Cluster_2049 | 70          | 0           |
| SDS-V3-plasma-8_Cluster_2369 | 70          | 16          |
| SDS-V3-plasma-24_Cluster_208 | 70          | 124         |
| SDS-V3-plasma-27_Cluster_165 | 70          | 131         |
| SDS-V3-plasma-27_Cluster_46  | 70          | 131         |
| SDS-V3-plasma-27_Cluster_796 | 70          | 131         |
| SDS-V3-plasma-45_Cluster_8039| 70          | 282         |
| SDS-V3-plasma-45_Cluster_5756| 70          | 282         |
| SDS-V3-plasma-45_Cluster_5445| 70          | 282         |
| SDS-V3-plasma-45_Cluster_6388| 70          | 282         |
| SDS-V3-plasma-45_Cluster_6917| 70          | 282         |
| SDS-V3-plasma-45_Cluster_172 | 70          | 282         |
| SDS-V3-plasma-45_Cluster_6619| 70          | 282         |
| SDS-V3-plasma-45_Cluster_2629| 70          | 282         |
| SDS-V3-plasma-45_Cluster_6321| 70          | 282         |
| SDS-V3-plasma-45_Cluster_1568| 70          | 282         |
| SDS-V3-plasma-45_Cluster_4569| 70          | 282         |
| SDS-V3-plasma-45_Cluster_11126| 70         | 282         |
| SDS-V3-plasma-45_Cluster_11247| 70         | 282         |
| SDS-V3-plasma-46_Cluster_2827| 70          | 286         |
| SDS-V3-plasma-46_Cluster_803 | 70          | 286         |
| SDS-V3-plasma-46_Cluster_1831| 70          | 286         |
| SDS-V3-plasma-46_Cluster_743 | 70          | 286         |
| SDS-V3-plasma-67_Cluster_2812| 70          | 504         |
| SDS-V3-plasma-67_Cluster_1040| 70          | 504         |
| SDS-V3-plasma-67_Cluster_1170| 70          | 504         |
| SDS-V3-plasma-67_Cluster_5742| 70          | 504         |
| SDS-V3-plasma-67_Cluster_1522| 70          | 504         |
| SDS-V3-plasma-67_Cluster_2776| 70          | 504         |
| SDS-V3-plasma-0_Cluster_466  | 69          | 0           |
| SDS-V3-plasma-0_Cluster_485  | 69          | 0           |
| SDS-V3-plasma-0_Cluster_1037 | 69          | 0           |
| SDS-V3-plasma-0_Cluster_117  | 69          | 0           |
| SDS-V3-plasma-0_Cluster_952  | 69          | 0           |
| SDS-V3-plasma-24_Cluster_45  | 69          | 124         |
| SDS-V3-plasma-24_Cluster_360 | 69          | 124         |
| SDS-V3-plasma-24_Cluster_412 | 69          | 124         |
| SDS-V3-plasma-45_Cluster_5296| 69          | 282         |
| SDS-V3-plasma-45_Cluster_11197| 69         | 282         |
| SDS-V3-plasma-45_Cluster_11197| 69         | 282         |
| SDS-V3-plasma-45_Cluster_6622| 69          | 282         |
| SDS-V3-plasma-45_Cluster_4493| 69          | 282         |
| Dataset Description | Count | Sequence Count |
|---------------------|-------|----------------|
| SDS-V3-plasma-45_Cluster_4252_sequences=69 | 282 | 69 |
| SDS-V3-plasma-45_Cluster_7402_sequences=69 | 282 | 69 |
| SDS-V3-plasma-45_Cluster_5997_sequences=69 | 282 | 69 |
| SDS-V3-plasma-45_Cluster_387_sequences=69 | 282 | 69 |
| SDS-V3-plasma-45_Cluster_1943_sequences=69 | 282 | 69 |
| SDS-V3-plasma-45_Cluster_1620_sequences=69 | 282 | 69 |
| SDS-V3-plasma-45_Cluster_606_sequences=69 | 282 | 69 |
| SDS-V3-plasma-45_Cluster_3587_sequences=69 | 282 | 69 |
| SDS-V3-plasma-45_Cluster_2894_sequences=69 | 282 | 69 |
| SDS-V3-plasma-45_Cluster_945_sequences=69 | 282 | 69 |
| SDS-V3-plasma-46_Cluster_5060_sequences=69 | 286 | 69 |
| SDS-V3-plasma-46_Cluster_468_sequences=69 | 286 | 69 |
| SDS-V3-plasma-46_Cluster_2790_sequences=69 | 286 | 69 |
| SDS-V3-plasma-67_Cluster_907_sequences=69 | 504 | 69 |
| SDS-V3-plasma-67_Cluster_4050_sequences=69 | 504 | 69 |
| SDS-V3-plasma-67_Cluster_4905_sequences=69 | 504 | 69 |
| SDS-V3-plasma-67_Cluster_3252_sequences=69 | 504 | 69 |
| SDS-V3-plasma-67_Cluster_1412_sequences=69 | 504 | 69 |
| SDS-V3-plasma-67_Cluster_1455_sequences=69 | 504 | 69 |
| SDS-V3-plasma-67_Cluster_2697_sequences=69 | 504 | 69 |
| SDS-V3-plasma-67_Cluster_6580_sequences=69 | 504 | 69 |
| SDS-V3-plasma-67_Cluster_1870_sequences=69 | 504 | 69 |
| SDS-V3-plasma-67_Cluster_4297_sequences=69 | 504 | 69 |
| SDS-V3-plasma-67_Cluster_755_sequences=69 | 504 | 69 |
| SDS-V3-plasma-67_Cluster_109_sequences=69 | 504 | 68 |
| SDS-V3-plasma-0_Cluster_622_sequences=68 | 0 | 68 |
| SDS-V3-plasma-0_Cluster_1504_sequences=68 | 0 | 68 |
| SDS-V3-plasma-0_Cluster_985_sequences=68 | 0 | 68 |
| SDS-V3-plasma-5_Cluster_19_sequences=68 | 9 | 68 |
| SDS-V3-plasma-24_Cluster_91_sequences=68 | 124 | 68 |
| SDS-V3-plasma-24_Cluster_136_sequences=68 | 124 | 68 |
| SDS-V3-plasma-24_Cluster_1016_sequences=68 | 124 | 68 |
| SDS-V3-plasma-27_Cluster_212_sequences=68 | 131 | 68 |
| SDS-V3-plasma-27_Cluster_536_sequences=68 | 131 | 68 |
| SDS-V3-plasma-27_Cluster_161_sequences=68 | 131 | 68 |
| SDS-V3-plasma-45_Cluster_2498_sequences=68 | 282 | 68 |
| SDS-V3-plasma-45_Cluster_1462_sequences=68 | 282 | 68 |
| SDS-V3-plasma-45_Cluster_1343_sequences=68 | 282 | 68 |
| SDS-V3-plasma-45_Cluster_4410_sequences=68 | 282 | 68 |
| SDS-V3-plasma-45_Cluster_7888_sequences=68 | 282 | 68 |
| SDS-V3-plasma-45_Cluster_6554_sequences=68 | 282 | 68 |
| SDS-V3-plasma-45_Cluster_4826_sequences=68 | 282 | 68 |
| SDS-V3-plasma-45_Cluster_1356_sequences=68 | 282 | 68 |
| Cluster Name                  | Sequences | Length | Date  |
|------------------------------|-----------|--------|-------|
| SDS-V3-plasma-45_Cluster_941 | 68        | 282    | 68    |
| SDS-V3-plasma-45_Cluster_8500| 68        | 282    | 68    |
| SDS-V3-plasma-45_Cluster_3437| 68        | 282    | 68    |
| SDS-V3-plasma-45_Cluster_9670| 68        | 282    | 68    |
| SDS-V3-plasma-45_Cluster_9111| 68        | 282    | 68    |
| SDS-V3-plasma-45_Cluster_3250| 68        | 282    | 68    |
| SDS-V3-plasma-67_Cluster_1080| 68        | 504    | 68    |
| SDS-V3-plasma-67_Cluster_1067| 68        | 504    | 68    |
| SDS-V3-plasma-67_Cluster_575 | 68        | 504    | 68    |
| SDS-V3-plasma-67_Cluster_165 | 68        | 504    | 68    |
| SDS-V3-plasma-67_Cluster_4197| 68        | 504    | 68    |
| SDS-V3-plasma-67_Cluster_2604| 68        | 504    | 68    |
| SDS-V3-plasma-67_Cluster_1663| 68        | 504    | 68    |
| SDS-V3-plasma-67_Cluster_3182| 68        | 504    | 68    |
| SDS-V3-plasma-67_Cluster_17125| 68       | 504    | 68    |
| SDS-V3-plasma-0_Cluster_707  | 67        | 0      | 67    |
| SDS-V3-plasma-0_Cluster_114  | 67        | 0      | 67    |
| SDS-V3-plasma-0_Cluster_321  | 67        | 0      | 67    |
| SDS-V3-plasma-0_Cluster_1383 | 67        | 0      | 67    |
| SDS-V3-plasma-7_Cluster_918  | 67        | 14     | 67    |
| SDS-V3-plasma-8_Cluster_2864 | 67        | 16     | 67    |
| SDS-V3-plasma-24_Cluster_645 | 67        | 124    | 67    |
| SDS-V3-plasma-24_Cluster_648 | 67        | 124    | 67    |
| SDS-V3-plasma-24_Cluster_850 | 67        | 124    | 67    |
| SDS-V3-plasma-27_Cluster_1942| 67        | 131    | 67    |
| SDS-V3-plasma-27_Cluster_50  | 67        | 131    | 67    |
| SDS-V3-plasma-27_Cluster_853 | 67        | 131    | 67    |
| SDS-V3-plasma-27_Cluster_95  | 67        | 131    | 67    |
| SDS-V3-plasma-27_Cluster_487 | 67        | 131    | 67    |
| SDS-V3-plasma-27_Cluster_984 | 67        | 131    | 67    |
| SDS-V3-plasma-27_Cluster_730 | 67        | 131    | 67    |
| SDS-V3-plasma-45_Cluster_2191| 67        | 282    | 67    |
| SDS-V3-plasma-45_Cluster_3362| 67        | 282    | 67    |
| SDS-V3-plasma-45_Cluster_5054| 67        | 282    | 67    |
| SDS-V3-plasma-45_Cluster_3729| 67        | 282    | 67    |
| SDS-V3-plasma-45_Cluster_5847| 67        | 282    | 67    |
| SDS-V3-plasma-45_Cluster_2809| 67        | 282    | 67    |
| SDS-V3-plasma-45_Cluster_707 | 67        | 282    | 67    |
| SDS-V3-plasma-45_Cluster_4105| 67        | 282    | 67    |
| SDS-V3-plasma-45_Cluster_13013| 67       | 282    | 67    |
| SDS-V3-plasma-45_Cluster_516 | 67        | 282    | 67    |
| SDS-V3-plasma-45_Cluster_3168| 67        | 282    | 67    |
| SDS-V3-plasma-46_Cluster_536 | 67        | 286    | 67    |
| SDS-V3-plasma-67_Cluster_148 | 67        | 504    | 67    |
| SDS-V3-plasma-67_Cluster_8034| 67        | 504    | 67    |
| Cluster ID                        | Sequences | 406 | 477 |
|----------------------------------|-----------|-----|-----|
| SDS-V3-plasma-67_Cluster_4879   | 67        | 504 | 67  |
| SDS-V3-plasma-67_Cluster_3395   | 67        | 504 | 67  |
| SDS-V3-plasma-67_Cluster_414    | 67        | 504 | 67  |
| SDS-V3-plasma-67_Cluster_1297   | 67        | 504 | 67  |
| SDS-V3-plasma-0_Cluster_1211    | 66        | 0   | 66  |
| SDS-V3-plasma-0_Cluster_729     | 66        | 0   | 66  |
| SDS-V3-plasma-0_Cluster_1808    | 66        | 0   | 66  |
| SDS-V3-plasma-5_Cluster_10      | 66        | 9   | 66  |
| SDS-V3-plasma-24_Cluster_1347   | 66        | 124 | 66  |
| SDS-V3-plasma-24_Cluster_140    | 66        | 124 | 66  |
| SDS-V3-plasma-24_Cluster_235    | 66        | 124 | 66  |
| SDS-V3-plasma-24_Cluster_82     | 66        | 124 | 66  |
| SDS-V3-plasma-24_Cluster_1126   | 66        | 124 | 66  |
| SDS-V3-plasma-24_Cluster_999    | 66        | 124 | 66  |
| SDS-V3-plasma-27_Cluster_140    | 66        | 131 | 66  |
| SDS-V3-plasma-27_Cluster_772    | 66        | 131 | 66  |
| SDS-V3-plasma-27_Cluster_1351   | 66        | 131 | 66  |
| SDS-V3-plasma-27_Cluster_175    | 66        | 131 | 66  |
| SDS-V3-plasma-45_Cluster_535    | 66        | 282 | 66  |
| SDS-V3-plasma-45_Cluster_8756   | 66        | 282 | 66  |
| SDS-V3-plasma-45_Cluster_1523   | 66        | 282 | 66  |
| SDS-V3-plasma-45_Cluster_2161   | 66        | 282 | 66  |
| SDS-V3-plasma-45_Cluster_506    | 66        | 282 | 66  |
| SDS-V3-plasma-45_Cluster_2102   | 66        | 282 | 66  |
| SDS-V3-plasma-45_Cluster_1894   | 66        | 282 | 66  |
| SDS-V3-plasma-45_Cluster_2797   | 66        | 282 | 66  |
| SDS-V3-plasma-45_Cluster_5072   | 66        | 282 | 66  |
| SDS-V3-plasma-45_Cluster_1847   | 66        | 282 | 66  |
| SDS-V3-plasma-45_Cluster_3374   | 66        | 282 | 66  |
| SDS-V3-plasma-45_Cluster_5120   | 66        | 282 | 66  |
| SDS-V3-plasma-46_Cluster_434    | 66        | 286 | 66  |
| SDS-V3-plasma-46_Cluster_2064   | 66        | 286 | 66  |
| SDS-V3-plasma-67_Cluster_2872   | 66        | 504 | 66  |
| SDS-V3-plasma-67_Cluster_946    | 66        | 504 | 66  |
| SDS-V3-plasma-67_Cluster_3352   | 66        | 504 | 66  |
| SDS-V3-plasma-67_Cluster_252    | 66        | 504 | 66  |
| SDS-V3-plasma-67_Cluster_2361   | 66        | 504 | 66  |
| SDS-V3-plasma-67_Cluster_3496   | 66        | 504 | 66  |
| SDS-V3-plasma-67_Cluster_5907   | 66        | 504 | 66  |
| SDS-V3-plasma-67_Cluster_815    | 66        | 504 | 66  |
| SDS-V3-plasma-67_Cluster_3503   | 66        | 504 | 66  |
| SDS-V3-plasma-67_Cluster_3358   | 66        | 504 | 66  |
| SDS-V3-plasma-67_Cluster_350    | 66        | 504 | 66  |
| SDS-V3-plasma-0_Cluster_210     | 65        | 0   | 65  |
| SDS-V3-plasma-0_Cluster_1535    | 65        | 0   | 65  |
| Cluster Name                  | Number of Sequences |
|------------------------------|---------------------|
| SDS-V3-plasma-0_Cluster_122 | 65                  |
| SDS-V3-plasma-0_Cluster_454 | 65                  |
| SDS-V3-plasma-0_Cluster_893 | 65                  |
| SDS-V3-plasma-0_Cluster_907 | 65                  |
| SDS-V3-plasma-5_Cluster_85  | 65                  |
| SDS-V3-plasma-24_Cluster_456| 65                  |
| SDS-V3-plasma-24_Cluster_630| 65                  |
| SDS-V3-plasma-24_Cluster_740| 65                  |
| SDS-V3-plasma-24_Cluster_1056| 65                |
| SDS-V3-plasma-27_Cluster_886| 65                  |
| SDS-V3-plasma-27_Cluster_254| 65                  |
| SDS-V3-plasma-27_Cluster_618| 65                  |
| SDS-V3-plasma-27_Cluster_337| 65                  |
| SDS-V3-plasma-27_Cluster_289| 65                  |
| SDS-V3-plasma-45_Cluster_6634| 65                |
| SDS-V3-plasma-45_Cluster_11032| 65              |
| SDS-V3-plasma-45_Cluster_5279| 65                  |
| SDS-V3-plasma-45_Cluster_2404| 65                  |
| SDS-V3-plasma-45_Cluster_4545| 65                |
| SDS-V3-plasma-45_Cluster_10851| 65             |
| SDS-V3-plasma-45_Cluster_14964| 65              |
| SDS-V3-plasma-45_Cluster_6769| 65                  |
| SDS-V3-plasma-45_Cluster_721 | 65                  |
| SDS-V3-plasma-45_Cluster_1948| 65                  |
| SDS-V3-plasma-45_Cluster_1733| 65                  |
| SDS-V3-plasma-67_Cluster_3157| 65                  |
| SDS-V3-plasma-67_Cluster_4971| 65                  |
| SDS-V3-plasma-67_Cluster_2704| 65                  |
| SDS-V3-plasma-67_Cluster_17010| 65              |
| SDS-V3-plasma-67_Cluster_4674| 65                  |
| SDS-V3-plasma-67_Cluster_4881| 65                  |
| SDS-V3-plasma-0_Cluster_4866| 64                  |
| SDS-V3-plasma-0_Cluster_861  | 64                  |
| SDS-V3-plasma-0_Cluster_60   | 64                  |
| SDS-V3-plasma-0_Cluster_2562| 64                  |
| SDS-V3-plasma-0_Cluster_1055| 64                  |
| SDS-V3-plasma-0_Cluster_2847| 64                  |
| SDS-V3-plasma-7_Cluster_694 | 64                  |
| SDS-V3-plasma-7_Cluster_430 | 64                  |
| SDS-V3-plasma-8_Cluster_2612| 64                  |
| SDS-V3-plasma-24_Cluster_749 | 64                  |
| SDS-V3-plasma-24_Cluster_763 | 64                  |
| SDS-V3-plasma-24_Cluster_1124| 64                  |
| SDS-V3-plasma-24_Cluster_231 | 64                  |
| SDS-V3-plasma-24_Cluster_540 | 64                  |
| Cluster Name                      | Sequences |
|----------------------------------|-----------|
| SDS-V3-plasma-27_Cluster_995    | 131       |
| SDS-V3-plasma-27_Cluster_1044   | 131       |
| SDS-V3-plasma-45_Cluster_9791   | 282       |
| SDS-V3-plasma-45_Cluster_1837   | 282       |
| SDS-V3-plasma-45_Cluster_4623   | 282       |
| SDS-V3-plasma-45_Cluster_725    | 282       |
| SDS-V3-plasma-45_Cluster_3777   | 282       |
| SDS-V3-plasma-45_Cluster_9949   | 282       |
| SDS-V3-plasma-45_Cluster_909    | 282       |
| SDS-V3-plasma-45_Cluster_7357   | 282       |
| SDS-V3-plasma-45_Cluster_3047   | 282       |
| SDS-V3-plasma-45_Cluster_2291   | 282       |
| SDS-V3-plasma-45_Cluster_1498   | 282       |
| SDS-V3-plasma-46_Cluster_2236   | 286       |
| SDS-V3-plasma-46_Cluster_1993   | 286       |
| SDS-V3-plasma-46_Cluster_771    | 286       |
| SDS-V3-plasma-46_Cluster_380    | 286       |
| SDS-V3-plasma-67_Cluster_1210   | 504       |
| SDS-V3-plasma-67_Cluster_1191   | 504       |
| SDS-V3-plasma-67_Cluster_714    | 504       |
| SDS-V3-plasma-67_Cluster_7800   | 504       |
| SDS-V3-plasma-67_Cluster_2107   | 504       |
| SDS-V3-plasma-67_Cluster_4029   | 504       |
| SDS-V3-plasma-67_Cluster_4290   | 504       |
| SDS-V3-plasma-67_Cluster_13147  | 504       |
| SDS-V3-plasma-0_Cluster_1375    | 0         |
| SDS-V3-plasma-0_Cluster_1352    | 0         |
| SDS-V3-plasma-7_Cluster_259     | 14        |
| SDS-V3-plasma-7_Cluster_26      | 14        |
| SDS-V3-plasma-8_Cluster_3543    | 16        |
| SDS-V3-plasma-8_Cluster_3395    | 16        |
| SDS-V3-plasma-24_Cluster_1075   | 124       |
| SDS-V3-plasma-24_Cluster_687    | 124       |
| SDS-V3-plasma-24_Cluster_718    | 124       |
| SDS-V3-plasma-24_Cluster_762    | 124       |
| SDS-V3-plasma-24_Cluster_893    | 124       |
| SDS-V3-plasma-24_Cluster_961    | 124       |
| SDS-V3-plasma-27_Cluster_874    | 131       |
| SDS-V3-plasma-27_Cluster_138    | 131       |
| SDS-V3-plasma-45_Cluster_4062   | 282       |
| SDS-V3-plasma-45_Cluster_1018   | 282       |
| SDS-V3-plasma-45_Cluster_1289   | 282       |
| SDS-V3-plasma-45_Cluster_7740   | 282       |
| SDS-V3-plasma-45_Cluster_185    | 282       |
| Cluster Name | Sequences |
|--------------|-----------|
| SDS-V3-plasma-45_Cluster_2979 | 63 282 |
| SDS-V3-plasma-45_Cluster_3639 | 63 282 |
| SDS-V3-plasma-45_Cluster_1359 | 63 282 |
| SDS-V3-plasma-45_Cluster_5527 | 63 282 |
| SDS-V3-plasma-45_Cluster_1825 | 63 282 |
| SDS-V3-plasma-45_Cluster_17248 | 63 282 |
| SDS-V3-plasma-45_Cluster_1431 | 63 286 |
| SDS-V3-plasma-46_Cluster_527 | 63 286 |
| SDS-V3-plasma-67_Cluster_911 | 63 504 |
| SDS-V3-plasma-67_Cluster_6626 | 63 504 |
| SDS-V3-plasma-67_Cluster_5627 | 63 504 |
| SDS-V3-plasma-67_Cluster_2873 | 63 504 |
| SDS-V3-plasma-67_Cluster_4430 | 63 504 |
| SDS-V3-plasma-67_Cluster_9120 | 63 504 |
| SDS-V3-plasma-67_Cluster_400 | 63 504 |
| SDS-V3-plasma-67_Cluster_8482 | 63 504 |
| SDS-V3-plasma-67_Cluster_207 | 63 504 |
| SDS-V3-plasma-67_Cluster_6373 | 63 504 |
| SDS-V3-plasma-67_Cluster_1022 | 63 504 |
| SDS-V3-plasma-67_Cluster_9672 | 63 504 |
| SDS-V3-plasma-67_Cluster_2580 | 63 504 |
| SDS-V3-plasma-0_Cluster_103 | 62 0 |
| SDS-V3-plasma-0_Cluster_1285 | 62 0 |
| SDS-V3-plasma-0_Cluster_1764 | 62 0 |
| SDS-V3-plasma-7_Cluster_406 | 62 14 |
| SDS-V3-plasma-8_Cluster_2351 | 62 16 |
| SDS-V3-plasma-24_Cluster_1344 | 62 124 |
| SDS-V3-plasma-24_Cluster_1200 | 62 124 |
| SDS-V3-plasma-24_Cluster_243 | 62 124 |
| SDS-V3-plasma-27_Cluster_274 | 62 131 |
| SDS-V3-plasma-27_Cluster_610 | 62 131 |
| SDS-V3-plasma-27_Cluster_680 | 62 131 |
| SDS-V3-plasma-27_Cluster_1187 | 62 131 |
| SDS-V3-plasma-45_Cluster_5483 | 62 282 |
| SDS-V3-plasma-45_Cluster_4627 | 62 282 |
| SDS-V3-plasma-45_Cluster_2211 | 62 282 |
| SDS-V3-plasma-45_Cluster_7118 | 62 282 |
| SDS-V3-plasma-45_Cluster_5591 | 62 282 |
| SDS-V3-plasma-45_Cluster_3589 | 62 282 |
| SDS-V3-plasma-45_Cluster_3927 | 62 282 |
| SDS-V3-plasma-45_Cluster_4598 | 62 282 |
| SDS-V3-plasma-45_Cluster_2431 | 62 282 |
| SDS-V3-plasma-45_Cluster_1182 | 62 282 |
| SDS-V3-plasma-45_Cluster_1896 | 62 282 |
| SDS-V3-plasma-45_Cluster_8635 | 62 282 |
| Dataset Description                      | Sequences | Length | Type |
|-----------------------------------------|-----------|--------|------|
| SDS-V3-plasma-45_Cluster_3166           | 282       | 62     |
| SDS-V3-plasma-45_Cluster_2805           | 282       | 62     |
| SDS-V3-plasma-45_Cluster_1823           | 282       | 62     |
| SDS-V3-plasma-45_Cluster_9385           | 282       | 62     |
| SDS-V3-plasma-45_Cluster_12100          | 282       | 62     |
| SDS-V3-plasma-46_Cluster_1062           | 286       | 62     |
| SDS-V3-plasma-67_Cluster_2479           | 504       | 62     |
| SDS-V3-plasma-67_Cluster_377            | 504       | 62     |
| SDS-V3-plasma-67_Cluster_5775           | 504       | 62     |
| SDS-V3-plasma-67_Cluster_3652           | 504       | 62     |
| SDS-V3-plasma-67_Cluster_4672           | 504       | 62     |
| SDS-V3-plasma-67_Cluster_2904           | 504       | 62     |
| SDS-V3-plasma-67_Cluster_4187           | 504       | 62     |
| SDS-V3-plasma-0_Cluster_1238            | 0         | 61     |
| SDS-V3-plasma-0_Cluster_2818            | 0         | 61     |
| SDS-V3-plasma-0_Cluster_4387            | 0         | 61     |
| SDS-V3-plasma-0_Cluster_3200            | 0         | 61     |
| SDS-V3-plasma-0_Cluster_1363            | 0         | 61     |
| SDS-V3-plasma-8_Cluster_2627            | 16        | 61     |
| SDS-V3-plasma-8_Cluster_2634            | 16        | 61     |
| SDS-V3-plasma-8_Cluster_2783            | 16        | 61     |
| SDS-V3-plasma-24_Cluster_580            | 124       | 61     |
| SDS-V3-plasma-24_Cluster_173            | 124       | 61     |
| SDS-V3-plasma-27_Cluster_271            | 131       | 61     |
| SDS-V3-plasma-27_Cluster_357            | 131       | 61     |
| SDS-V3-plasma-45_Cluster_1004           | 282       | 61     |
| SDS-V3-plasma-45_Cluster_1304           | 282       | 61     |
| SDS-V3-plasma-45_Cluster_4057           | 282       | 61     |
| SDS-V3-plasma-45_Cluster_1161           | 282       | 61     |
| SDS-V3-plasma-45_Cluster_6376           | 282       | 61     |
| SDS-V3-plasma-45_Cluster_6013           | 282       | 61     |
| SDS-V3-plasma-45_Cluster_3929           | 282       | 61     |
| SDS-V3-plasma-45_Cluster_3807           | 282       | 61     |
| SDS-V3-plasma-45_Cluster_2952           | 282       | 61     |
| SDS-V3-plasma-45_Cluster_2458           | 282       | 61     |
| SDS-V3-plasma-45_Cluster_386            | 282       | 61     |
| SDS-V3-plasma-45_Cluster_692            | 282       | 61     |
| SDS-V3-plasma-45_Cluster_6911           | 282       | 61     |
| SDS-V3-plasma-46_Cluster_2280           | 286       | 61     |
| SDS-V3-plasma-46_Cluster_1333           | 286       | 61     |
| SDS-V3-plasma-46_Cluster_4052           | 286       | 61     |
| SDS-V3-plasma-46_Cluster_786            | 286       | 61     |
| SDS-V3-plasma-67_Cluster_2290           | 504       | 61     |
| SDS-V3-plasma-67_Cluster_950            | 504       | 61     |
| SDS-V3-plasma-67_Cluster_3908           | 504       | 61     |
| Cluster Name                  | Sequences | Similarity | Architecture |
|------------------------------|-----------|------------|--------------|
| SDS-V3-plasma-67_Cluster_3577_sequences | 61        | 504        | 61           |
| SDS-V3-plasma-67_Cluster_4101_sequences | 61        | 504        | 61           |
| SDS-V3-plasma-67_Cluster_2662_sequences | 61        | 504        | 61           |
| SDS-V3-plasma-67_Cluster_4954_sequences | 61        | 504        | 61           |
| SDS-V3-plasma-67_Cluster_3802_sequences | 61        | 504        | 61           |
| SDS-V3-plasma-67_Cluster_4670_sequences | 61        | 504        | 61           |
| SDS-V3-plasma-67_Cluster_2085_sequences | 61        | 504        | 61           |
| SDS-V3-plasma-0_Cluster_2742_sequences | 60        | 0          | 60           |
| SDS-V3-plasma-0_Cluster_69_sequences | 60        | 0          | 60           |
| SDS-V3-plasma-0_Cluster_1616_sequences | 60        | 0          | 60           |
| SDS-V3-plasma-0_Cluster_42_sequences | 60        | 0          | 60           |
| SDS-V3-plasma-0_Cluster_5158_sequences | 60        | 0          | 60           |
| SDS-V3-plasma-0_Cluster_34_sequences | 60        | 0          | 60           |
| SDS-V3-plasma-24_Cluster_139_sequences | 60        | 124        | 60           |
| SDS-V3-plasma-24_Cluster_267_sequences | 60        | 124        | 60           |
| SDS-V3-plasma-24_Cluster_458_sequences | 60        | 124        | 60           |
| SDS-V3-plasma-24_Cluster_565_sequences | 60        | 124        | 60           |
| SDS-V3-plasma-24_Cluster_98_sequences | 60        | 124        | 60           |
| SDS-V3-plasma-24_Cluster_205_sequences | 60        | 131        | 60           |
| SDS-V3-plasma-24_Cluster_29_sequences | 60        | 131        | 60           |
| SDS-V3-plasma-24_Cluster_58_sequences | 60        | 131        | 60           |
| SDS-V3-plasma-45_Cluster_1946_sequences | 60        | 282        | 60           |
| SDS-V3-plasma-45_Cluster_6343_sequences | 60        | 282        | 60           |
| SDS-V3-plasma-45_Cluster_1115_sequences | 60        | 282        | 60           |
| SDS-V3-plasma-45_Cluster_3249_sequences | 60        | 282        | 60           |
| SDS-V3-plasma-45_Cluster_306_sequences | 60        | 282        | 60           |
| SDS-V3-plasma-45_Cluster_5582_sequences | 60        | 282        | 60           |
| SDS-V3-plasma-45_Cluster_4117_sequences | 60        | 282        | 60           |
| SDS-V3-plasma-45_Cluster_2250_sequences | 60        | 282        | 60           |
| SDS-V3-plasma-45_Cluster_6094_sequences | 60        | 282        | 60           |
| SDS-V3-plasma-45_Cluster_1350_sequences | 60        | 282        | 60           |
| SDS-V3-plasma-45_Cluster_7680_sequences | 60        | 282        | 60           |
| SDS-V3-plasma-45_Cluster_6006_sequences | 60        | 282        | 60           |
| SDS-V3-plasma-45_Cluster_982_sequences | 60        | 286        | 60           |
| SDS-V3-plasma-45_Cluster_779_sequences | 60        | 286        | 60           |
| SDS-V3-plasma-45_Cluster_549_sequences | 60        | 286        | 60           |
| SDS-V3-plasma-45_Cluster_2039_sequences | 60        | 286        | 60           |
| SDS-V3-plasma-46_Cluster_2653_sequences | 60        | 286        | 60           |
| SDS-V3-plasma-67_Cluster_2774_sequences | 60        | 504        | 60           |
| SDS-V3-plasma-67_Cluster_2842_sequences | 60        | 504        | 60           |
| SDS-V3-plasma-67_Cluster_4207_sequences | 60        | 504        | 60           |
| SDS-V3-plasma-67_Cluster_4256_sequences | 60        | 504        | 60           |
| SDS-V3-plasma-0_Cluster_173_sequences | 59        | 0          | 59           |
| SDS-V3-plasma-0_Cluster_557_sequences | 59        | 0          | 59           |
| SDS-V3-plasma-0_Cluster_9414_sequences | 59        | 0          | 59           |
| SDS-V3-plasma-0_Cluster_2453_sequences=59 | 0 | 59 |
| SDS-V3-plasma-8_Cluster_2363_sequences=59 | 16 | 59 |
| SDS-V3-plasma-8_Cluster_3103_sequences=59 | 16 | 59 |
| SDS-V3-plasma-24_Cluster_386_sequences=59 | 124 | 59 |
| SDS-V3-plasma-24_Cluster_482_sequences=59 | 124 | 59 |
| SDS-V3-plasma-24_Cluster_77_sequences=59 | 124 | 59 |
| SDS-V3-plasma-24_Cluster_7_sequences=59 | 124 | 59 |
| SDS-V3-plasma-27_Cluster_36_sequences=59 | 131 | 59 |
| SDS-V3-plasma-27_Cluster_782_sequences=59 | 131 | 59 |
| SDS-V3-plasma-27_Cluster_101_sequences=59 | 131 | 59 |
| SDS-V3-plasma-27_Cluster_123_sequences=59 | 131 | 59 |
| SDS-V3-plasma-45_Cluster_7086_sequences=59 | 282 | 59 |
| SDS-V3-plasma-45_Cluster_6702_sequences=59 | 282 | 59 |
| SDS-V3-plasma-45_Cluster_3191_sequences=59 | 282 | 59 |
| SDS-V3-plasma-45_Cluster_7856_sequences=59 | 282 | 59 |
| SDS-V3-plasma-45_Cluster_5949_sequences=59 | 282 | 59 |
| SDS-V3-plasma-45_Cluster_4074_sequences=59 | 282 | 59 |
| SDS-V3-plasma-45_Cluster_10574_sequences=59 | 282 | 59 |
| SDS-V3-plasma-45_Cluster_1145_sequences=59 | 282 | 59 |
| SDS-V3-plasma-45_Cluster_4910_sequences=59 | 282 | 59 |
| SDS-V3-plasma-45_Cluster_7812_sequences=59 | 282 | 59 |
| SDS-V3-plasma-45_Cluster_1175_sequences=59 | 282 | 59 |
| SDS-V3-plasma-45_Cluster_10466_sequences=59 | 282 | 59 |
| SDS-V3-plasma-45_Cluster_1991_sequences=59 | 282 | 59 |
| SDS-V3-plasma-45_Cluster_3428_sequences=59 | 282 | 59 |
| SDS-V3-plasma-45_Cluster_2804_sequences=59 | 282 | 59 |
| SDS-V3-plasma-45_Cluster_12861_sequences=59 | 282 | 59 |
| SDS-V3-plasma-45_Cluster_4122_sequences=59 | 282 | 59 |
| SDS-V3-plasma-46_Cluster_171_sequences=59 | 286 | 59 |
| SDS-V3-plasma-46_Cluster_1166_sequences=59 | 286 | 59 |
| SDS-V3-plasma-46_Cluster_922_sequences=59 | 286 | 59 |
| SDS-V3-plasma-67_Cluster_3637_sequences=59 | 504 | 59 |
| SDS-V3-plasma-67_Cluster_1862_sequences=59 | 504 | 59 |
| SDS-V3-plasma-67_Cluster_2490_sequences=59 | 504 | 59 |
| SDS-V3-plasma-67_Cluster_6187_sequences=59 | 504 | 59 |
| SDS-V3-plasma-67_Cluster_4223_sequences=59 | 504 | 59 |
| SDS-V3-plasma-67_Cluster_3447_sequences=59 | 504 | 59 |
| SDS-V3-plasma-67_Cluster_1059_sequences=59 | 504 | 59 |
| SDS-V3-plasma-0_Cluster_2278_sequences=58 | 0 | 58 |
| SDS-V3-plasma-0_Cluster_639_sequences=58 | 0 | 58 |
| SDS-V3-plasma-0_Cluster_1335_sequences=58 | 0 | 58 |
| SDS-V3-plasma-0_Cluster_1671_sequences=58 | 0 | 58 |
| SDS-V3-plasma-0_Cluster_4755_sequences=58 | 0 | 58 |
| SDS-V3-plasma-0_Cluster_547_sequences=58 | 0 | 58 |
| Cluster ID | Sequences |
|------------|-----------|
| SDS-V3-plasma-0_Cluster_704_sequences=58 | 0 | 58 |
| SDS-V3-plasma-7_Cluster_988_sequences=58 | 14 | 58 |
| SDS-V3-plasma-7_Cluster_335_sequences=58 | 14 | 58 |
| SDS-V3-plasma-8_Cluster_2495_sequences=58 | 16 | 58 |
| SDS-V3-plasma-8_Cluster_2374_sequences=58 | 16 | 58 |
| SDS-V3-plasma-24_Cluster_500_sequences=58 | 124 | 58 |
| SDS-V3-plasma-24_Cluster_99_sequences=58 | 124 | 58 |
| SDS-V3-plasma-24_Cluster_1854_sequences=58 | 124 | 58 |
| SDS-V3-plasma-27_Cluster_53_sequences=58 | 131 | 58 |
| SDS-V3-plasma-45_Cluster_1398_sequences=58 | 282 | 58 |
| SDS-V3-plasma-45_Cluster_3851_sequences=58 | 282 | 58 |
| SDS-V3-plasma-45_Cluster_1179_sequences=58 | 282 | 58 |
| SDS-V3-plasma-45_Cluster_3722_sequences=58 | 282 | 58 |
| SDS-V3-plasma-45_Cluster_7083_sequences=58 | 282 | 58 |
| SDS-V3-plasma-45_Cluster_3367_sequences=58 | 282 | 58 |
| SDS-V3-plasma-45_Cluster_4135_sequences=58 | 282 | 58 |
| SDS-V3-plasma-45_Cluster_4803_sequences=58 | 282 | 58 |
| SDS-V3-plasma-45_Cluster_4054_sequences=58 | 282 | 58 |
| SDS-V3-plasma-45_Cluster_7042_sequences=58 | 282 | 58 |
| SDS-V3-plasma-45_Cluster_8138_sequences=58 | 282 | 58 |
| SDS-V3-plasma-45_Cluster_3241_sequences=58 | 282 | 58 |
| SDS-V3-plasma-45_Cluster_3964_sequences=58 | 282 | 58 |
| SDS-V3-plasma-45_Cluster_1252_sequences=58 | 282 | 58 |
| SDS-V3-plasma-67_Cluster_4472_sequences=58 | 504 | 58 |
| SDS-V3-plasma-67_Cluster_7790_sequences=58 | 504 | 58 |
| SDS-V3-plasma-67_Cluster_5295_sequences=58 | 504 | 58 |
| SDS-V3-plasma-67_Cluster_239_sequences=58 | 504 | 58 |
| SDS-V3-plasma-67_Cluster_3124_sequences=58 | 504 | 58 |
| SDS-V3-plasma-0_Cluster_342_sequences=57 | 0 | 57 |
| SDS-V3-plasma-0_Cluster_1015_sequences=57 | 0 | 57 |
| SDS-V3-plasma-0_Cluster_2435_sequences=57 | 0 | 57 |
| SDS-V3-plasma-0_Cluster_2494_sequences=57 | 0 | 57 |
| SDS-V3-plasma-0_Cluster_3617_sequences=57 | 0 | 57 |
| SDS-V3-plasma-0_Cluster_511_sequences=57 | 0 | 57 |
| SDS-V3-plasma-5_Cluster_112_sequences=57 | 9 | 57 |
| SDS-V3-plasma-7_Cluster_378_sequences=57 | 14 | 57 |
| SDS-V3-plasma-8_Cluster_71_sequences=57 | 16 | 57 |
| SDS-V3-plasma-8_Cluster_2748_sequences=57 | 16 | 57 |
| SDS-V3-plasma-8_Cluster_3017_sequences=57 | 16 | 57 |
| SDS-V3-plasma-8_Cluster_2683_sequences=57 | 16 | 57 |
| SDS-V3-plasma-24_Cluster_90_sequences=57 | 124 | 57 |
| SDS-V3-plasma-24_Cluster_389_sequences=57 | 124 | 57 |
| SDS-V3-plasma-24_Cluster_784_sequences=57 | 124 | 57 |
| SDS-V3-plasma-24_Cluster_715_sequences=57 | 124 | 57 |
| SDS-V3-plasma-24_Cluster_579_sequences=57 | 124 | 57 |
| SDS-V3-plasma-27_Cluster_1016_sequences=57 | 131 | 57 |
| SDS-V3-plasma-27_Cluster_121_sequences=57 | 131 | 57 |
| SDS-V3-plasma-27_Cluster_373_sequences=57 | 131 | 57 |
| SDS-V3-plasma-27_Cluster_497_sequences=57 | 131 | 57 |
| SDS-V3-plasma-27_Cluster_688_sequences=57 | 131 | 57 |
| SDS-V3-plasma-45_Cluster_1614_sequences=57 | 282 | 57 |
| SDS-V3-plasma-45_Cluster_11128_sequences=57 | 282 | 57 |
| SDS-V3-plasma-45_Cluster_6290_sequences=57 | 282 | 57 |
| SDS-V3-plasma-45_Cluster_3974_sequences=57 | 282 | 57 |
| SDS-V3-plasma-45_Cluster_2099_sequences=57 | 282 | 57 |
| SDS-V3-plasma-45_Cluster_1796_sequences=57 | 282 | 57 |
| SDS-V3-plasma-45_Cluster_2638_sequences=57 | 282 | 57 |
| SDS-V3-plasma-45_Cluster_1557_sequences=57 | 282 | 57 |
| SDS-V3-plasma-45_Cluster_643_sequences=57 | 282 | 57 |
| SDS-V3-plasma-45_Cluster_923_sequences=57 | 282 | 57 |
| SDS-V3-plasma-45_Cluster_223_sequences=57 | 282 | 57 |
| SDS-V3-plasma-45_Cluster_7099_sequences=57 | 282 | 57 |
| SDS-V3-plasma-46_Cluster_577_sequences=57 | 286 | 57 |
| SDS-V3-plasma-46_Cluster_511_sequences=57 | 286 | 57 |
| SDS-V3-plasma-46_Cluster_1240_sequences=57 | 286 | 57 |
| SDS-V3-plasma-46_Cluster_2681_sequences=57 | 286 | 57 |
| SDS-V3-plasma-67_Cluster_5620_sequences=57 | 504 | 57 |
| SDS-V3-plasma-67_Cluster_11050_sequences=57 | 504 | 57 |
| SDS-V3-plasma-67_Cluster_1995_sequences=57 | 504 | 57 |
| SDS-V3-plasma-67_Cluster_224_sequences=57 | 504 | 57 |
| SDS-V3-plasma-67_Cluster_11224_sequences=57 | 504 | 57 |
| SDS-V3-plasma-67_Cluster_5499_sequences=57 | 504 | 57 |
| SDS-V3-plasma-67_Cluster_244_sequences=57 | 504 | 57 |
| SDS-V3-plasma-67_Cluster_447_sequences=57 | 504 | 57 |
| SDS-V3-plasma-0_Cluster_318_sequences=56 | 0 | 56 |
| SDS-V3-plasma-0_Cluster_4372_sequences=56 | 0 | 56 |
| SDS-V3-plasma-0_Cluster_1499_sequences=56 | 0 | 56 |
| SDS-V3-plasma-0_Cluster_1500_sequences=56 | 0 | 56 |
| SDS-V3-plasma-0_Cluster_1832_sequences=56 | 0 | 56 |
| SDS-V3-plasma-0_Cluster_3230_sequences=56 | 0 | 56 |
| SDS-V3-plasma-0_Cluster_792_sequences=56 | 0 | 56 |
| SDS-V3-plasma-0_Cluster_353_sequences=56 | 0 | 56 |
| SDS-V3-plasma-0_Cluster_1118_sequences=56 | 0 | 56 |
| SDS-V3-plasma-7_Cluster_1208_sequences=56 | 14 | 56 |
| SDS-V3-plasma-8_Cluster_44_sequences=56 | 16 | 56 |
| Sample Description                      | Sequence Count | Experiment Count |
|----------------------------------------|----------------|------------------|
| SDS-V3-plasma-8_Cluster_2267_sequences | 16             | 56               |
| SDS-V3-plasma-24_Cluster_1257_sequences| 124            | 56               |
| SDS-V3-plasma-24_Cluster_1296_sequences| 124            | 56               |
| SDS-V3-plasma-24_Cluster_204_sequences  | 124            | 56               |
| SDS-V3-plasma-24_Cluster_544_sequences  | 124            | 56               |
| SDS-V3-plasma-24_Cluster_14_sequences   | 124            | 56               |
| SDS-V3-plasma-24_Cluster_1189_sequences | 124            | 56               |
| SDS-V3-plasma-24_Cluster_209_sequences  | 124            | 56               |
| SDS-V3-plasma-27_Cluster_1332_sequences | 131            | 56               |
| SDS-V3-plasma-27_Cluster_251_sequences  | 131            | 56               |
| SDS-V3-plasma-45_Cluster_4165_sequences | 282            | 56               |
| SDS-V3-plasma-45_Cluster_2714_sequences | 282            | 56               |
| SDS-V3-plasma-45_Cluster_6346_sequences | 282            | 56               |
| SDS-V3-plasma-45_Cluster_1445_sequences | 282            | 56               |
| SDS-V3-plasma-45_Cluster_8965_sequences | 282            | 56               |
| SDS-V3-plasma-45_Cluster_7178_sequences | 282            | 56               |
| SDS-V3-plasma-45_Cluster_3445_sequences | 282            | 56               |
| SDS-V3-plasma-45_Cluster_4292_sequences | 282            | 56               |
| SDS-V3-plasma-45_Cluster_7696_sequences | 282            | 56               |
| SDS-V3-plasma-45_Cluster_5938_sequences | 282            | 56               |
| SDS-V3-plasma-45_Cluster_18733_sequences | 282           | 56               |
| SDS-V3-plasma-45_Cluster_3127_sequences | 282            | 56               |
| SDS-V3-plasma-45_Cluster_9172_sequences | 282            | 56               |
| SDS-V3-plasma-45_Cluster_799_sequences  | 282            | 56               |
| SDS-V3-plasma-45_Cluster_4887_sequences | 282            | 56               |
| SDS-V3-plasma-45_Cluster_4615_sequences | 282            | 56               |
| SDS-V3-plasma-45_Cluster_2876_sequences | 282            | 56               |
| SDS-V3-plasma-45_Cluster_2452_sequences | 282            | 56               |
| SDS-V3-plasma-45_Cluster_3792_sequences | 282            | 56               |
| SDS-V3-plasma-45_Cluster_7149_sequences | 282            | 56               |
| SDS-V3-plasma-45_Cluster_8808_sequences | 282            | 56               |
| SDS-V3-plasma-46_Cluster_2925_sequences | 286            | 56               |
| SDS-V3-plasma-46_Cluster_1437_sequences | 286            | 56               |
| SDS-V3-plasma-46_Cluster_4614_sequences | 286            | 56               |
| SDS-V3-plasma-46_Cluster_1147_sequences | 286            | 56               |
| SDS-V3-plasma-46_Cluster_728_sequences  | 286            | 56               |
| SDS-V3-plasma-46_Cluster_1156_sequences | 286            | 56               |
| SDS-V3-plasma-67_Cluster_1177_sequences | 504            | 56               |
| SDS-V3-plasma-67_Cluster_3520_sequences | 504            | 56               |
| SDS-V3-plasma-67_Cluster_5161_sequences | 504            | 56               |
| SDS-V3-plasma-67_Cluster_10489_sequences | 504           | 56               |
| SDS-V3-plasma-67_Cluster_10733_sequences | 504            | 56               |
| SDS-V3-plasma-67_Cluster_2294_sequences | 504            | 56               |
| SDS-V3-plasma-67_Cluster_9886_sequences | 504            | 56               |
| SDS-V3-plasma-67_Cluster_287_sequences   | 504            | 56               |
| Sample Description | Cluster ID | Sequences |
|--------------------|------------|------------|
| SDS-V3-plasma-67_Cluster_6133 | 504 | 56 |
| SDS-V3-PBMC-5_Cluster_35 | 9 | 55 |
| SDS-V3-plasma-0_Cluster_392 | 0 | 55 |
| SDS-V3-plasma-0_Cluster_5466 | 0 | 55 |
| SDS-V3-plasma-0_Cluster_853 | 0 | 55 |
| SDS-V3-plasma-0_Cluster_1246 | 0 | 55 |
| SDS-V3-plasma-0_Cluster_227 | 0 | 55 |
| SDS-V3-plasma-24_Cluster_1406 | 124 | 55 |
| SDS-V3-plasma-24_Cluster_1639 | 124 | 55 |
| SDS-V3-plasma-24_Cluster_310 | 124 | 55 |
| SDS-V3-plasma-24_Cluster_723 | 124 | 55 |
| SDS-V3-plasma-24_Cluster_1242 | 124 | 55 |
| SDS-V3-plasma-27_Cluster_537 | 131 | 55 |
| SDS-V3-plasma-27_Cluster_932 | 131 | 55 |
| SDS-V3-plasma-45_Cluster_2917 | 282 | 55 |
| SDS-V3-plasma-45_Cluster_6863 | 282 | 55 |
| SDS-V3-plasma-45_Cluster_1858 | 282 | 55 |
| SDS-V3-plasma-45_Cluster_1323 | 282 | 55 |
| SDS-V3-plasma-45_Cluster_4596 | 282 | 55 |
| SDS-V3-plasma-45_Cluster_5854 | 282 | 55 |
| SDS-V3-plasma-45_Cluster_3610 | 282 | 55 |
| SDS-V3-plasma-45_Cluster_4432 | 282 | 55 |
| SDS-V3-plasma-45_Cluster_954 | 282 | 55 |
| SDS-V3-plasma-45_Cluster_1237 | 282 | 55 |
| SDS-V3-plasma-45_Cluster_6479 | 282 | 55 |
| SDS-V3-plasma-45_Cluster_899 | 282 | 55 |
| SDS-V3-plasma-45_Cluster_655 | 282 | 55 |
| SDS-V3-plasma-45_Cluster_5453 | 282 | 55 |
| SDS-V3-plasma-45_Cluster_278 | 282 | 55 |
| SDS-V3-plasma-45_Cluster_7046 | 282 | 55 |
| SDS-V3-plasma-45_Cluster_5638 | 282 | 55 |
| SDS-V3-plasma-46_Cluster_283 | 286 | 55 |
| SDS-V3-plasma-46_Cluster_589 | 286 | 55 |
| SDS-V3-plasma-46_Cluster_4202 | 286 | 55 |
| SDS-V3-plasma-46_Cluster_761 | 286 | 55 |
| SDS-V3-plasma-67_Cluster_4658 | 504 | 55 |
| SDS-V3-plasma-67_Cluster_2095 | 504 | 55 |
| SDS-V3-plasma-67_Cluster_2642 | 504 | 55 |
| SDS-V3-plasma-67_Cluster_5836 | 504 | 55 |
| SDS-V3-plasma-67_Cluster_6567 | 504 | 55 |
| SDS-V3-plasma-67_Cluster_1166 | 504 | 55 |
| SDS-V3-plasma-67_Cluster_8930 | 504 | 55 |
| SDS-V3-plasma-0_Cluster_199 | 0 | 54 |
| SDS-V3-plasma-0_Cluster_3175 | 0 | 54 |
| SDS-V3-plasma-0_Cluster_2137 | 0 | 54 |
| Cluster Name                        | Sequences |
|------------------------------------|-----------|
| SDS-V3-plasma-0_Cluster_1723       | 0         |
| SDS-V3-plasma-0_Cluster_397        | 0         |
| SDS-V3-plasma-0_Cluster_777        | 0         |
| SDS-V3-plasma-0_Cluster_1062       | 0         |
| SDS-V3-plasma-0_Cluster_1255       | 0         |
| SDS-V3-plasma-5_Cluster_144        | 9         |
| SDS-V3-plasma-5_Cluster_6          | 9         |
| SDS-V3-plasma-8_Cluster_3007       | 16        |
| SDS-V3-plasma-24_Cluster_61        | 124       |
| SDS-V3-plasma-27_Cluster_41        | 131       |
| SDS-V3-plasma-27_Cluster_612       | 131       |
| SDS-V3-plasma-27_Cluster_700       | 131       |
| SDS-V3-plasma-27_Cluster_13        | 131       |
| SDS-V3-plasma-45_Cluster_1656      | 282       |
| SDS-V3-plasma-45_Cluster_4859      | 282       |
| SDS-V3-plasma-45_Cluster_4188      | 282       |
| SDS-V3-plasma-45_Cluster_8453      | 282       |
| SDS-V3-plasma-45_Cluster_3845      | 282       |
| SDS-V3-plasma-45_Cluster_6685      | 282       |
| SDS-V3-plasma-45_Cluster_3498      | 282       |
| SDS-V3-plasma-45_Cluster_3093      | 282       |
| SDS-V3-plasma-45_Cluster_9159      | 282       |
| SDS-V3-plasma-45_Cluster_1575      | 282       |
| SDS-V3-plasma-45_Cluster_4485      | 282       |
| SDS-V3-plasma-45_Cluster_12223     | 282       |
| SDS-V3-plasma-45_Cluster_2310      | 282       |
| SDS-V3-plasma-45_Cluster_8948      | 282       |
| SDS-V3-plasma-45_Cluster_1590      | 282       |
| SDS-V3-plasma-45_Cluster_5187      | 282       |
| SDS-V3-plasma-45_Cluster_4080      | 282       |
| SDS-V3-plasma-45_Cluster_2359      | 282       |
| SDS-V3-plasma-45_Cluster_4273      | 282       |
| SDS-V3-plasma-46_Cluster_1355      | 286       |
| SDS-V3-plasma-46_Cluster_797       | 286       |
| SDS-V3-plasma-67_Cluster_14321     | 504       |
| SDS-V3-plasma-67_Cluster_3569      | 504       |
| SDS-V3-plasma-67_Cluster_570       | 504       |
| SDS-V3-plasma-67_Cluster_2779      | 504       |
| SDS-V3-plasma-67_Cluster_550       | 504       |
| SDS-V3-plasma-67_Cluster_9318      | 504       |
| SDS-V3-plasma-67_Cluster_4102      | 504       |
| SDS-V3-plasma_0_Cluster_5744       | 0         |
| SDS-V3-plasma_0_Cluster_591        | 0         |
| SDS-V3-plasma_0_Cluster_4027       | 0         |
| SDS-V3-plasma_0_Cluster_587        | 0         |
| Cluster Group                                      | Sequences | Number | Cluster Index |
|----------------------------------------------------|-----------|--------|---------------|
| SDS-V3-plasma-0_Cluster_2983                       | 53        | 0      | 53            |
| SDS-V3-plasma-0_Cluster_1254                       | 53        | 0      | 53            |
| SDS-V3-plasma-0_Cluster_2208                       | 53        | 0      | 53            |
| SDS-V3-plasma-7_Cluster_400                        | 53        | 14     | 53            |
| SDS-V3-plasma-7_Cluster_461                        | 53        | 14     | 53            |
| SDS-V3-plasma-8_Cluster_2478                       | 53        | 16     | 53            |
| SDS-V3-plasma-8_Cluster_2408                       | 53        | 16     | 53            |
| SDS-V3-plasma-24_Cluster_1203                      | 53        | 124    | 53            |
| SDS-V3-plasma-24_Cluster_1405                      | 53        | 124    | 53            |
| SDS-V3-plasma-24_Cluster_1763                      | 53        | 124    | 53            |
| SDS-V3-plasma-24_Cluster_198                       | 53        | 124    | 53            |
| SDS-V3-plasma-27_Cluster_640                       | 53        | 131    | 53            |
| SDS-V3-plasma-27_Cluster_714                       | 53        | 131    | 53            |
| SDS-V3-plasma-27_Cluster_604                       | 53        | 131    | 53            |
| SDS-V3-plasma-27_Cluster_353                       | 53        | 131    | 53            |
| SDS-V3-plasma-27_Cluster_124                       | 53        | 131    | 53            |
| SDS-V3-plasma-27_Cluster_992                       | 53        | 131    | 53            |
| SDS-V3-plasma-27_Cluster_339                       | 53        | 131    | 53            |
| SDS-V3-plasma-45_Cluster_8191                      | 53        | 282    | 53            |
| SDS-V3-plasma-45_Cluster_8076                      | 53        | 282    | 53            |
| SDS-V3-plasma-45_Cluster_6842                      | 53        | 282    | 53            |
| SDS-V3-plasma-45_Cluster_1968                      | 53        | 282    | 53            |
| SDS-V3-plasma-45_Cluster_8537                      | 53        | 282    | 53            |
| SDS-V3-plasma-45_Cluster_7910                      | 53        | 282    | 53            |
| SDS-V3-plasma-45_Cluster_10820                     | 53        | 282    | 53            |
| SDS-V3-plasma-45_Cluster_9929                      | 53        | 282    | 53            |
| SDS-V3-plasma-45_Cluster_4714                      | 53        | 282    | 53            |
| SDS-V3-plasma-45_Cluster_2951                      | 53        | 282    | 53            |
| SDS-V3-plasma-45_Cluster_1639                      | 53        | 282    | 53            |
| SDS-V3-plasma-45_Cluster_824                       | 53        | 282    | 53            |
| SDS-V3-plasma-45_Cluster_3662                      | 53        | 282    | 53            |
| SDS-V3-plasma-45_Cluster_939                       | 53        | 282    | 53            |
| SDS-V3-plasma-45_Cluster_5564                      | 53        | 282    | 53            |
| SDS-V3-plasma-45_Cluster_65683                     | 53        | 282    | 53            |
| SDS-V3-plasma-45_Cluster_4470                      | 53        | 282    | 53            |
| SDS-V3-plasma-45_Cluster_5599                      | 53        | 282    | 53            |
| SDS-V3-plasma-45_Cluster_3033                      | 53        | 282    | 53            |
| SDS-V3-plasma-45_Cluster_17094                     | 53        | 282    | 53            |
| SDS-V3-plasma-45_Cluster_11749                     | 53        | 282    | 53            |
| SDS-V3-plasma-45_Cluster_5974                      | 53        | 282    | 53            |
| SDS-V3-plasma-45_Cluster_793                       | 53        | 282    | 53            |
| SDS-V3-plasma-46_Cluster_2002                      | 53        | 286    | 53            |
| SDS-V3-plasma-46_Cluster_3966                      | 53        | 286    | 53            |
| Cluster Name                  | Sequences  | V3   |
|-------------------------------|------------|------|
| SDS-V3-plasma-46_Cluster_196  | 286        | 53   |
| SDS-V3-plasma-67_Cluster_5440 | 504        | 53   |
| SDS-V3-plasma-67_Cluster_6024 | 504        | 53   |
| SDS-V3-plasma-67_Cluster_6521 | 504        | 53   |
| SDS-V3-plasma-67_Cluster_387  | 504        | 53   |
| SDS-V3-plasma-67_Cluster_7185 | 504        | 53   |
| SDS-V3-plasma-67_Cluster_2494 | 504        | 53   |
| SDS-V3-plasma-67_Cluster_3474 | 504        | 53   |
| SDS-V3-plasma-67_Cluster_45   | 504        | 53   |
| SDS-V3-plasma-67_Cluster_4431 | 504        | 53   |
| SDS-V3-plasma-67_Cluster_9476 | 504        | 53   |
| SDS-V3-plasma-67_Cluster_2771 | 504        | 53   |
| SDS-V3-plasma-67_Cluster_10438| 504        | 53   |
| SDS-V3-plasma-0_Cluster_475   | 0          | 52   |
| SDS-V3-plasma-0_Cluster_131   | 0          | 52   |
| SDS-V3-plasma-0_Cluster_1117  | 0          | 52   |
| SDS-V3-plasma-0_Cluster_1151  | 0          | 52   |
| SDS-V3-plasma-0_Cluster_5216  | 0          | 52   |
| SDS-V3-plasma-0_Cluster_564   | 0          | 52   |
| SDS-V3-plasma-0_Cluster_2912  | 0          | 52   |
| SDS-V3-plasma-0_Cluster_2633  | 0          | 52   |
| SDS-V3-plasma-8_Cluster_2279  | 16         | 52   |
| SDS-V3-plasma-8_Cluster_3070  | 16         | 52   |
| SDS-V3-plasma-24_Cluster_284  | 124        | 52   |
| SDS-V3-plasma-24_Cluster_286  | 124        | 52   |
| SDS-V3-plasma-24_Cluster_974  | 124        | 52   |
| SDS-V3-plasma-24_Cluster_2081 | 124        | 52   |
| SDS-V3-plasma-24_Cluster_448  | 124        | 52   |
| SDS-V3-plasma-27_Cluster_1168 | 131        | 52   |
| SDS-V3-plasma-27_Cluster_169  | 131        | 52   |
| SDS-V3-plasma-27_Cluster_1883 | 131        | 52   |
| SDS-V3-plasma-27_Cluster_194  | 131        | 52   |
| SDS-V3-plasma-27_Cluster_2741 | 131        | 52   |
| SDS-V3-plasma-27_Cluster_367  | 131        | 52   |
| SDS-V3-plasma-27_Cluster_421  | 131        | 52   |
| SDS-V3-plasma-27_Cluster_777  | 131        | 52   |
| SDS-V3-plasma-27_Cluster_1122 | 131        | 52   |
| SDS-V3-plasma-45_Cluster_730  | 282        | 52   |
| SDS-V3-plasma-45_Cluster_7599 | 282        | 52   |
| SDS-V3-plasma-45_Cluster_380  | 282        | 52   |
| SDS-V3-plasma-45_Cluster_1091 | 282        | 52   |
| SDS-V3-plasma-45_Cluster_1615 | 282        | 52   |
| SDS-V3-plasma-45_Cluster_4293 | 282        | 52   |
| SDS-V3-plasma-45_Cluster_4879 | 282        | 52   |
| SDS-V3-plasma-45_Cluster_8886 | 282        | 52   |
| Cluster Name                         | Sequences | P | Status |
|-------------------------------------|------------|---|--------|
| SDS-V3-plasma-45_Cluster_7306       | 52         | 282 | 52     |
| SDS-V3-plasma-45_Cluster_5826       | 52         | 282 | 52     |
| SDS-V3-plasma-45_Cluster_1971       | 52         | 282 | 52     |
| SDS-V3-plasma-45_Cluster_3116       | 52         | 282 | 52     |
| SDS-V3-plasma-45_Cluster_2563       | 52         | 282 | 52     |
| SDS-V3-plasma-45_Cluster_2083       | 52         | 282 | 52     |
| SDS-V3-plasma-45_Cluster_1119       | 52         | 282 | 52     |
| SDS-V3-plasma-45_Cluster_5505       | 52         | 282 | 52     |
| SDS-V3-plasma-45_Cluster_2206       | 52         | 282 | 52     |
| SDS-V3-plasma-45_Cluster_2202       | 52         | 282 | 52     |
| SDS-V3-plasma-45_Cluster_2826       | 52         | 282 | 52     |
| SDS-V3-plasma-46_Cluster_2496       | 52         | 286 | 52     |
| SDS-V3-plasma-46_Cluster_842        | 52         | 286 | 52     |
| SDS-V3-plasma-46_Cluster_2065       | 52         | 286 | 52     |
| SDS-V3-plasma-67_Cluster_7489       | 52         | 504 | 52     |
| SDS-V3-plasma-67_Cluster_6111       | 52         | 504 | 52     |
| SDS-V3-plasma-67_Cluster_1058       | 52         | 504 | 52     |
| SDS-V3-plasma-67_Cluster_9874       | 52         | 504 | 52     |
| SDS-V3-plasma-67_Cluster_5999       | 52         | 504 | 52     |
| SDS-V3-plasma-67_Cluster_203        | 52         | 504 | 52     |
| SDS-V3-plasma-67_Cluster_2903       | 52         | 504 | 52     |
| SDS-V3-plasma-0_Cluster_1404        | 51         | 0   | 51     |
| SDS-V3-plasma-0_Cluster_721         | 51         | 0   | 51     |
| SDS-V3-plasma-0_Cluster_2583        | 51         | 0   | 51     |
| SDS-V3-plasma-0_Cluster_603         | 51         | 0   | 51     |
| SDS-V3-plasma-0_Cluster_1979        | 51         | 0   | 51     |
| SDS-V3-plasma-0_Cluster_1043        | 51         | 0   | 51     |
| SDS-V3-plasma-0_Cluster_2888        | 51         | 0   | 51     |
| SDS-V3-plasma-0_Cluster_419         | 51         | 0   | 51     |
| SDS-V3-plasma-0_Cluster_2965        | 51         | 0   | 51     |
| SDS-V3-plasma-0_Cluster_4730        | 51         | 0   | 51     |
| SDS-V3-plasma-0_Cluster_1936        | 51         | 0   | 51     |
| SDS-V3-plasma-0_Cluster_1727        | 51         | 0   | 51     |
| SDS-V3-plasma-0_Cluster_2798        | 51         | 16  | 51     |
| SDS-V3-plasma-0_Cluster_2381        | 51         | 16  | 51     |
| SDS-V3-plasma-24_Cluster_120        | 51         | 124 | 51     |
| SDS-V3-plasma-24_Cluster_1247       | 51         | 124 | 51     |
| SDS-V3-plasma-24_Cluster_54         | 51         | 124 | 51     |
| SDS-V3-plasma-24_Cluster_89         | 51         | 124 | 51     |
| SDS-V3-plasma-24_Cluster_523        | 51         | 124 | 51     |
| SDS-V3-plasma-24_Cluster_30         | 51         | 124 | 51     |
| SDS-V3-plasma-24_Cluster_925        | 51         | 124 | 51     |
| SDS-V3-plasma-27_Cluster_1133       | 51         | 131 | 51     |
| SDS-V3-plasma-27_Cluster_583        | 51         | 131 | 51     |
| SDS-V3-plasma-27_Cluster_24         | 51         | 131 | 51     |
| Cluster Name                        | Sequences | Forward | Reverse |
|------------------------------------|-----------|---------|---------|
| SDS-V3-plasma-27_Cluster_49        | 131       | 51      |         |
| SDS-V3-plasma-45_Cluster_9796      | 282       | 51      |         |
| SDS-V3-plasma-45_Cluster_5474      | 282       | 51      |         |
| SDS-V3-plasma-45_Cluster_3144      | 282       | 51      |         |
| SDS-V3-plasma-45_Cluster_1554      | 282       | 51      |         |
| SDS-V3-plasma-45_Cluster_1706      | 282       | 51      |         |
| SDS-V3-plasma-45_Cluster_2413      | 282       | 51      |         |
| SDS-V3-plasma-45_Cluster_10580     | 282       | 51      |         |
| SDS-V3-plasma-45_Cluster_1170      | 282       | 51      |         |
| SDS-V3-plasma-45_Cluster_6814      | 282       | 51      |         |
| SDS-V3-plasma-45_Cluster_6289      | 282       | 51      |         |
| SDS-V3-plasma-45_Cluster_393       | 282       | 51      |         |
| SDS-V3-plasma-45_Cluster_620       | 282       | 51      |         |
| SDS-V3-plasma-45_Cluster_1202      | 282       | 51      |         |
| SDS-V3-plasma-45_Cluster_2237      | 282       | 51      |         |
| SDS-V3-plasma-45_Cluster_1580      | 282       | 51      |         |
| SDS-V3-plasma-45_Cluster_59        | 282       | 51      |         |
| SDS-V3-plasma-45_Cluster_547       | 282       | 51      |         |
| SDS-V3-plasma-45_Cluster_2608      | 282       | 51      |         |
| SDS-V3-plasma-45_Cluster_5732      | 282       | 51      |         |
| SDS-V3-plasma-46_Cluster_946       | 286       | 51      |         |
| SDS-V3-plasma-67_Cluster_9991      | 504       | 51      |         |
| SDS-V3-plasma-67_Cluster_2878      | 504       | 51      |         |
| SDS-V3-plasma-67_Cluster_4623      | 504       | 51      |         |
| SDS-V3-plasma-67_Cluster_8480      | 504       | 51      |         |
| SDS-V3-plasma-67_Cluster_11784     | 504       | 51      |         |
| SDS-V3-plasma-67_Cluster_5051      | 504       | 51      |         |
| SDS-V3-plasma-67_Cluster_12243     | 504       | 51      |         |
| SDS-V3-plasma-67_Cluster_5214      | 504       | 51      |         |
| SDS-V3-plasma-0_Cluster_726        | 0         | 50      |         |
| SDS-V3-plasma-0_Cluster_249        | 0         | 50      |         |
| SDS-V3-plasma-0_Cluster_2394       | 0         | 50      |         |
| SDS-V3-plasma-0_Cluster_1080       | 0         | 50      |         |
| SDS-V3-plasma-0_Cluster_1823       | 0         | 50      |         |
| SDS-V3-plasma-7_Cluster_769        | 14        | 50      |         |
| SDS-V3-plasma-7_Cluster_185        | 14        | 50      |         |
| SDS-V3-plasma-7_Cluster_136        | 14        | 50      |         |
| SDS-V3-plasma-8_Cluster_2782       | 16        | 50      |         |
| SDS-V3-plasma-24_Cluster_549       | 124       | 50      |         |
| SDS-V3-plasma-24_Cluster_566       | 124       | 50      |         |
| SDS-V3-plasma-24_Cluster_6         | 124       | 50      |         |
| SDS-V3-plasma-24_Cluster_86        | 124       | 50      |         |
| SDS-V3-plasma-24_Cluster_96        | 124       | 50      |         |
| SDS-V3-plasma-24_Cluster_936       | 124       | 50      |         |
| SDS-V3-plasma-24_Cluster_1762      | 124       | 50      |         |
SDS-V3-plasma-27_Cluster_355_sequences=50 131 50
SDS-V3-plasma-27_Cluster_1056_sequences=50 131 50
SDS-V3-plasma-27_Cluster_1345_sequences=50 131 50
SDS-V3-plasma-45_Cluster_69_sequences=50 282 50
SDS-V3-plasma-45_Cluster_770_sequences=50 282 50
SDS-V3-plasma-45_Cluster_1118_sequences=50 282 50
SDS-V3-plasma-45_Cluster_14441_sequences=50 282 50
SDS-V3-plasma-45_Cluster_1721_sequences=50 282 50
SDS-V3-plasma-45_Cluster_3163_sequences=50 282 50
SDS-V3-plasma-45_Cluster_4084_sequences=50 282 50
SDS-V3-plasma-45_Cluster_4913_sequences=50 282 50
SDS-V3-plasma-45_Cluster_540_sequences=50 282 50
SDS-V3-plasma-46_Cluster_2569_sequences=50 286 50
SDS-V3-plasma-46_Cluster_2904_sequences=50 286 50
SDS-V3-plasma-46_Cluster_1381_sequences=50 286 50
SDS-V3-plasma-46_Cluster_1582_sequences=50 286 50
SDS-V3-plasma-46_Cluster_2438_sequences=50 286 50
SDS-V3-plasma-46_Cluster_2569_sequences=50 286 50
SDS-V3-plasma-46_Cluster_460_sequences=50 286 50
SDS-V3-plasma-46_Cluster_1640_sequences=50 286 50
SDS-V3-plasma-46_Cluster_1705_sequences=50 286 50
SDS-V3-plasma-67_Cluster_11436_sequences=50 504 50
SDS-V3-plasma-67_Cluster_1345_sequences=50 504 50
SDS-V3-plasma-67_Cluster_1342_sequences=50 504 50
SDS-V3-plasma-67_Cluster_18357_sequences=50 504 50
SDS-V3-plasma-67_Cluster_18357_sequences=50 504 50
SDS-V3-plasma-67_Cluster_2569_sequences=50 504 50
SDS-V3-plasma-67_Cluster_1050_sequences=50 504 50
SDS-V3-plasma-67_Cluster_2130_sequences=50 504 50
SDS-V3-plasma-67_Cluster_2333_sequences=50 504 50
SDS-V3-plasma-67_Cluster_4477_sequences=50 504 50
SDS-V3-plasma-67_Cluster_576_sequences=50 504 50
SDS-V3-plasma-67_Cluster_2022_sequences=50 504 50
SDS-V3-plasma_0_Cluster_5183_sequences=49 0 49
SDS-V3-plasma_0_Cluster_1204_sequences=49 0 49
SDS-V3-plasma_0_Cluster_1345_sequences=49 0 49
SDS-V3-plasma_0_Cluster_1698_sequences=49 0 49
SDS-V3-plasma_0_Cluster_961_sequences=49 0 49
| Sample Description                  | Sequence Count | Date |
|------------------------------------|----------------|------|
| SDS-V3-plasma-0_Cluster_1494       | 0              | 49   |
| SDS-V3-plasma-7_Cluster_279        | 14             | 49   |
| SDS-V3-plasma-8_Cluster_2494       | 16             | 49   |
| SDS-V3-plasma-24_Cluster_1546      | 124            | 49   |
| SDS-V3-plasma-24_Cluster_463       | 124            | 49   |
| SDS-V3-plasma-24_Cluster_306       | 124            | 49   |
| SDS-V3-plasma-27_Cluster_1079      | 131            | 49   |
| SDS-V3-plasma-27_Cluster_1272      | 131            | 49   |
| SDS-V3-plasma-27_Cluster_1420      | 131            | 49   |
| SDS-V3-plasma-27_Cluster_624       | 131            | 49   |
| SDS-V3-plasma-27_Cluster_77        | 131            | 49   |
| SDS-V3-plasma-27_Cluster_179       | 131            | 49   |
| SDS-V3-plasma-45_Cluster_1810      | 282            | 49   |
| SDS-V3-plasma-45_Cluster_6177      | 282            | 49   |
| SDS-V3-plasma-45_Cluster_3597      | 282            | 49   |
| SDS-V3-plasma-45_Cluster_1960      | 282            | 49   |
| SDS-V3-plasma-45_Cluster_1645      | 282            | 49   |
| SDS-V3-plasma-45_Cluster_131       | 282            | 49   |
| SDS-V3-plasma-45_Cluster_7238      | 282            | 49   |
| SDS-V3-plasma-45_Cluster_4726      | 282            | 49   |
| SDS-V3-plasma-45_Cluster_4256      | 282            | 49   |
| SDS-V3-plasma-45_Cluster_4563      | 282            | 49   |
| SDS-V3-plasma-45_Cluster_1645      | 282            | 49   |
| SDS-V3-plasma-45_Cluster_1809      | 282            | 49   |
| SDS-V3-plasma-45_Cluster_70        | 282            | 49   |
| SDS-V3-plasma-45_Cluster_5414      | 282            | 49   |
| SDS-V3-plasma-45_Cluster_10348     | 282            | 49   |
| SDS-V3-plasma-46_Cluster_142       | 286            | 49   |
| SDS-V3-plasma-46_Cluster_1565      | 286            | 49   |
| SDS-V3-plasma-46_Cluster_1060      | 286            | 49   |
| SDS-V3-plasma-46_Cluster_1206      | 286            | 49   |
| SDS-V3-plasma-46_Cluster_601       | 286            | 49   |
| SDS-V3-plasma-46_Cluster_3451      | 286            | 49   |
| SDS-V3-plasma-67_Cluster_2885      | 504            | 49   |
| SDS-V3-plasma-67_Cluster_1451      | 504            | 49   |
| SDS-V3-plasma-67_Cluster_2895      | 504            | 49   |
| SDS-V3-plasma-67_Cluster_1833      | 504            | 49   |
| SDS-V3-plasma-67_Cluster_1263      | 504            | 49   |
| SDS-V3-plasma-67_Cluster_3615      | 504            | 49   |
| SDS-V3-plasma-67_Cluster_63        | 504            | 49   |
| SDS-V3-plasma-67_Cluster_3687      | 504            | 49   |
| SDS-V3-plasma-67_Cluster_2047      | 504            | 49   |
| SDS-V3-plasma-67_Cluster_2359      | 504            | 49   |
| SDS-V3-plasma-0_Cluster_715        | 0              | 48   |
| SDS-V3-plasma-0_Cluster_2345       | 0              | 48   |
| Cluster Name                                      | Sequences |
|-------------------------------------------------|-----------|
| SDS-V3-plasma-0_Cluster_1493_sequences=47       | 0         |
| SDS-V3-plasma-0_Cluster_4482_sequences=47       | 0         |
| SDS-V3-plasma-0_Cluster_753_sequences=47        | 0         |
| SDS-V3-plasma-0_Cluster_2174_sequences=47       | 0         |
| SDS-V3-plasma-0_Cluster_32_sequences=47         | 0         |
| SDS-V3-plasma-0_Cluster_29_sequences=47         | 0         |
| SDS-V3-plasma-0_Cluster_2852_sequences=47       | 0         |
| SDS-V3-plasma-5_Cluster_392_sequences=47        | 9         |
| SDS-V3-plasma-8_Cluster_2882_sequences=47       | 16        |
| SDS-V3-plasma-8_Cluster_2795_sequences=47       | 16        |
| SDS-V3-plasma-24_Cluster_717_sequences=47       | 124       |
| SDS-V3-plasma-24_Cluster_842_sequences=47       | 124       |
| SDS-V3-plasma-24_Cluster_1196_sequences=47      | 124       |
| SDS-V3-plasma-24_Cluster_144_sequences=47       | 124       |
| SDS-V3-plasma-27_Cluster_11_sequences=47        | 131       |
| SDS-V3-plasma-27_Cluster_1568_sequences=47      | 131       |
| SDS-V3-plasma-27_Cluster_156_sequences=47       | 131       |
| SDS-V3-plasma-27_Cluster_1584_sequences=47      | 131       |
| SDS-V3-plasma-27_Cluster_558_sequences=47       | 131       |
| SDS-V3-plasma-27_Cluster_592_sequences=47       | 131       |
| SDS-V3-plasma-27_Cluster_652_sequences=47       | 131       |
| SDS-V3-plasma-27_Cluster_703_sequences=47       | 131       |
| SDS-V3-plasma-27_Cluster_71_sequences=47        | 131       |
| SDS-V3-plasma-27_Cluster_233_sequences=47       | 131       |
| SDS-V3-plasma-27_Cluster_530_sequences=47       | 131       |
| SDS-V3-plasma-27_Cluster_366_sequences=47       | 131       |
| SDS-V3-plasma-27_Cluster_651_sequences=47       | 131       |
| SDS-V3-plasma-45_Cluster_8954_sequences=47      | 282       |
| SDS-V3-plasma-45_Cluster_12451_sequences=47     | 282       |
| SDS-V3-plasma-45_Cluster_331_sequences=47       | 282       |
| SDS-V3-plasma-45_Cluster_13698_sequences=47     | 282       |
| SDS-V3-plasma-45_Cluster_3392_sequences=47      | 282       |
| SDS-V3-plasma-45_Cluster_6123_sequences=47      | 282       |
| SDS-V3-plasma-45_Cluster_6440_sequences=47      | 282       |
| SDS-V3-plasma-45_Cluster_347_sequences=47       | 282       |
| SDS-V3-plasma-45_Cluster_5180_sequences=47      | 282       |
| SDS-V3-plasma-45_Cluster_764_sequences=47       | 282       |
| SDS-V3-plasma-45_Cluster_11217_sequences=47     | 282       |
| SDS-V3-plasma-45_Cluster_2469_sequences=47      | 282       |
| SDS-V3-plasma-45_Cluster_4508_sequences=47      | 282       |
| SDS-V3-plasma-45_Cluster_640_sequences=47       | 282       |
| SDS-V3-plasma-45_Cluster_8846_sequences=47      | 282       |
| SDS-V3-plasma-45_Cluster_787_sequences=47       | 282       |
| SDS-V3-plasma-46_Cluster_798_sequences=47       | 286       |
| SDS-V3-plasma-46_Cluster_2377_sequences=47      | 286       |
SDS-V3-plasma-46_Cluster_2766_sequences=47 286 47
SDS-V3-plasma-46_Cluster_1974_sequences=47 286 47
SDS-V3-plasma-46_Cluster_819_sequences=47 286 47
SDS-V3-plasma-46_Cluster_1172_sequences=47 286 47
SDS-V3-plasma-67_Cluster_2647_sequences=47 504 47
SDS-V3-plasma-67_Cluster_6094_sequences=47 504 47
SDS-V3-plasma-67_Cluster_6360_sequences=47 504 47
SDS-V3-plasma-67_Cluster_4445_sequences=47 504 47
SDS-V3-plasma-67_Cluster_340_sequences=47 504 47
SDS-V3-plasma-67_Cluster_3695_sequences=47 504 47
SDS-V3-plasma-67_Cluster_4758_sequences=47 504 47
SDS-V3-plasma-67_Cluster_1344_sequences=47 504 47
SDS-V3-plasma-67_Cluster_14044_sequences=47 504 47
SDS-V3-plasma-67_Cluster_2817_sequences=47 504 47
SDS-V3-plasma-0_Cluster_1169_sequences=46 0 46
SDS-V3-plasma-0_Cluster_581_sequences=46 0 46
SDS-V3-plasma-0_Cluster_4728_sequences=46 0 46
SDS-V3-plasma-0_Cluster_982_sequences=46 0 46
SDS-V3-plasma-5_Cluster_1808_sequences=46 9 46
SDS-V3-plasma-8_Cluster_2347_sequences=46 16 46
SDS-V3-plasma-24_Cluster_153_sequences=46 124 46
SDS-V3-plasma-24_Cluster_1071_sequences=46 124 46
SDS-V3-plasma-24_Cluster_1682_sequences=46 124 46
SDS-V3-plasma-24_Cluster_633_sequences=46 124 46
SDS-V3-plasma-24_Cluster_827_sequences=46 124 46
SDS-V3-plasma-24_Cluster_615_sequences=46 124 46
SDS-V3-plasma-24_Cluster_614_sequences=46 124 46
SDS-V3-plasma-24_Cluster_601_sequences=46 124 46
SDS-V3-plasma-27_Cluster_1325_sequences=46 131 46
SDS-V3-plasma-27_Cluster_515_sequences=46 131 46
SDS-V3-plasma-27_Cluster_216_sequences=46 131 46
SDS-V3-plasma-27_Cluster_1346_sequences=46 131 46
SDS-V3-plasma-45_Cluster_10795_sequences=46 282 46
SDS-V3-plasma-45_Cluster_176_sequences=46 282 46
SDS-V3-plasma-45_Cluster_13096_sequences=46 282 46
SDS-V3-plasma-45_Cluster_1030_sequences=46 282 46
SDS-V3-plasma-45_Cluster_5426_sequences=46 282 46
SDS-V3-plasma-45_Cluster_10517_sequences=46 282 46
SDS-V3-plasma-45_Cluster_4237_sequences=46 282 46
SDS-V3-plasma-45_Cluster_871_sequences=46 282 46
SDS-V3-plasma-45_Cluster_3171_sequences=46 282 46
SDS-V3-plasma-45_Cluster_785_sequences=46 282 46
SDS-V3-plasma-45_Cluster_5318_sequences=46 282 46
SDS-V3-plasma-45_Cluster_1547_sequences=46 282 46
SDS-V3-plasma-45_Cluster_1891_sequences=46 282 46
| Cluster Name                                      | Sequences | Start | End |
|--------------------------------------------------|-----------|-------|-----|
| SDS-V3-plasma-45_Cluster_4088_sequences=46       | 282       | 46    |
| SDS-V3-plasma-45_Cluster_16064_sequences=46      | 282       | 46    |
| SDS-V3-plasma-46_Cluster_201_sequences=46        | 286       | 46    |
| SDS-V3-plasma-46_Cluster_2284_sequences=46       | 286       | 46    |
| SDS-V3-plasma-46_Cluster_1834_sequences=46       | 286       | 46    |
| SDS-V3-plasma-46_Cluster_4394_sequences=46       | 286       | 46    |
| SDS-V3-plasma-46_Cluster_774_sequences=46        | 286       | 46    |
| SDS-V3-plasma-67_Cluster_5291_sequences=46       | 504       | 46    |
| SDS-V3-plasma-67_Cluster_473_sequences=46        | 504       | 46    |
| SDS-V3-plasma-67_Cluster_2520_sequences=46       | 504       | 46    |
| SDS-V3-plasma-67_Cluster_4518_sequences=46       | 504       | 46    |
| SDS-V3-plasma-67_Cluster_6557_sequences=46       | 504       | 46    |
| SDS-V3-plasma-67_Cluster_2728_sequences=46       | 504       | 46    |
| SDS-V3-plasma-67_Cluster_4169_sequences=46       | 504       | 46    |
| SDS-V3-plasma-67_Cluster_8826_sequences=46       | 504       | 46    |
| SDS-V3-plasma-67_Cluster_248_sequences=46        | 504       | 46    |
| SDS-V3-plasma-67_Cluster_17_sequences=46         | 504       | 46    |
| SDS-V3-plasma-0_Cluster_2802_sequences=45        | 0         | 45    |
| SDS-V3-plasma-0_Cluster_2166_sequences=45        | 0         | 45    |
| SDS-V3-plasma-0_Cluster_1218_sequences=45        | 0         | 45    |
| SDS-V3-plasma-0_Cluster_615_sequences=45         | 0         | 45    |
| SDS-V3-plasma-7_Cluster_435_sequences=45         | 14        | 45    |
| SDS-V3-plasma-8_Cluster_4148_sequences=45        | 16        | 45    |
| SDS-V3-plasma-8_Cluster_2836_sequences=45        | 16        | 45    |
| SDS-V3-plasma-8_Cluster_3604_sequences=45        | 16        | 45    |
| SDS-V3-plasma-8_Cluster_3504_sequences=45        | 16        | 45    |
| SDS-V3-plasma-24_Cluster_1437_sequences=45       | 124       | 45    |
| SDS-V3-plasma-24_Cluster_391_sequences=45        | 124       | 45    |
| SDS-V3-plasma-24_Cluster_822_sequences=45        | 124       | 45    |
| SDS-V3-plasma-24_Cluster_170_sequences=45        | 124       | 45    |
| SDS-V3-plasma-24_Cluster_68_sequences=45         | 124       | 45    |
| SDS-V3-plasma-24_Cluster_816_sequences=45        | 124       | 45    |
| SDS-V3-plasma-27_Cluster_1222_sequences=45       | 131       | 45    |
| SDS-V3-plasma-27_Cluster_134_sequences=45        | 131       | 45    |
| SDS-V3-plasma-27_Cluster_695_sequences=45        | 131       | 45    |
| SDS-V3-plasma-27_Cluster_819_sequences=45        | 131       | 45    |
| SDS-V3-plasma-27_Cluster_895_sequences=45        | 131       | 45    |
| SDS-V3-plasma-27_Cluster_622_sequences=45        | 131       | 45    |
| SDS-V3-plasma-27_Cluster_91_sequences=45         | 131       | 45    |
| SDS-V3-plasma-27_Cluster_275_sequences=45        | 131       | 45    |
| SDS-V3-plasma-27_Cluster_2730_sequences=45       | 131       | 45    |
| SDS-V3-plasma-45_Cluster_7097_sequences=45       | 282       | 45    |
| SDS-V3-plasma-45_Cluster_4469_sequences=45       | 282       | 45    |
| SDS-V3-plasma-45_Cluster_4974_sequences=45       | 282       | 45    |
| SDS-V3-plasma-45_Cluster_5183_sequences=45       | 282       | 45    |
| Cluster Name                        | Sequences |
|-----------------------------------|-----------|
| SDS-V3-plasma-0_Cluster_520       | 0         |
| SDS-V3-plasma-0_Cluster_5268      | 0         |
| SDS-V3-plasma-0_Cluster_604       | 0         |
| SDS-V3-plasma-0_Cluster_1703      | 0         |
| SDS-V3-plasma-0_Cluster_1266      | 0         |
| SDS-V3-plasma-0_Cluster_1648      | 0         |
| SDS-V3-plasma-5_Cluster_23        | 9         |
| SDS-V3-plasma-7_Cluster_226       | 14        |
| SDS-V3-plasma-7_Cluster_433       | 14        |
| SDS-V3-plasma-7_Cluster_732       | 14        |
| SDS-V3-plasma-8_Cluster_3271      | 16        |
| SDS-V3-plasma-8_Cluster_2621      | 16        |
| SDS-V3-plasma-24_Cluster_1237     | 124       |
| SDS-V3-plasma-24_Cluster_1633     | 124       |
| SDS-V3-plasma-24_Cluster_321      | 124       |
| SDS-V3-plasma-24_Cluster_351      | 124       |
| SDS-V3-plasma-24_Cluster_193      | 124       |
| SDS-V3-plasma-24_Cluster_2552     | 124       |
| SDS-V3-plasma-24_Cluster_378      | 124       |
| SDS-V3-plasma-24_Cluster_419      | 124       |
| SDS-V3-plasma-24_Cluster_608      | 124       |
| SDS-V3-plasma-27_Cluster_1298     | 131       |
| SDS-V3-plasma-27_Cluster_1526     | 131       |
| SDS-V3-plasma-27_Cluster_1898     | 131       |
| SDS-V3-plasma-45_Cluster_11027    | 282       |
| SDS-V3-plasma-45_Cluster_7768     | 282       |
| SDS-V3-plasma-45_Cluster_148      | 282       |
| SDS-V3-plasma-45_Cluster_11971    | 282       |
| SDS-V3-plasma-45_Cluster_1609     | 282       |
| SDS-V3-plasma-45_Cluster_672      | 282       |
| SDS-V3-plasma-45_Cluster_759      | 282       |
| SDS-V3-plasma-45_Cluster_2003     | 282       |
| SDS-V3-plasma-45_Cluster_2353     | 282       |
| SDS-V3-plasma-45_Cluster_10853    | 282       |
| SDS-V3-plasma-45_Cluster_11456    | 282       |
| SDS-V3-plasma-45_Cluster_11760    | 282       |
| SDS-V3-plasma-45_Cluster_12491    | 282       |
| SDS-V3-plasma-45_Cluster_129      | 282       |
| SDS-V3-plasma-45_Cluster_3595     | 282       |
| SDS-V3-plasma-45_Cluster_3874     | 282       |
| SDS-V3-plasma-45_Cluster_9354     | 282       |
| SDS-V3-plasma-45_Cluster_8280     | 282       |
| SDS-V3-plasma-45_Cluster_1978     | 282       |
| SDS-V3-plasma-45_Cluster_2925     | 282       |
| SDS-V3-plasma-45_Cluster_262      | 282       |
| Cluster Name                                      | Sequences | A  | B  |
|--------------------------------------------------|------------|----|----|
| SDS-V3-plasma-45_Cluster_1903_sequences          | 44         | 282| 44 |
| SDS-V3-plasma-45_Cluster_4669_sequences          | 44         | 282| 44 |
| SDS-V3-plasma-45_Cluster_8390_sequences          | 44         | 282| 44 |
| SDS-V3-plasma-45_Cluster_2409_sequences          | 44         | 282| 44 |
| SDS-V3-plasma-45_Cluster_1570_sequences          | 44         | 282| 44 |
| SDS-V3-plasma-45_Cluster_323_sequences           | 44         | 282| 44 |
| SDS-V3-plasma-45_Cluster_8768_sequences          | 44         | 282| 44 |
| SDS-V3-plasma-45_Cluster_4694_sequences          | 44         | 282| 44 |
| SDS-V3-plasma-46_Cluster_2838_sequences          | 44         | 286| 44 |
| SDS-V3-plasma-46_Cluster_2017_sequences          | 44         | 286| 44 |
| SDS-V3-plasma-67_Cluster_935_sequences           | 44         | 504| 44 |
| SDS-V3-plasma-67_Cluster_9884_sequences          | 44         | 504| 44 |
| SDS-V3-plasma-67_Cluster_11259_sequences         | 44         | 504| 44 |
| SDS-V3-plasma-67_Cluster_6091_sequences          | 44         | 504| 44 |
| SDS-V3-plasma-67_Cluster_2305_sequences          | 44         | 504| 44 |
| SDS-V3-plasma-67_Cluster_8745_sequences          | 44         | 504| 44 |
| SDS-V3-plasma-67_Cluster_9273_sequences          | 44         | 504| 44 |
| SDS-V3-plasma-67_Cluster_7490_sequences          | 44         | 504| 44 |
| SDS-V3-plasma-0_Cluster_887_sequences            | 43         | 0  | 43 |
| SDS-V3-plasma-0_Cluster_2224_sequences           | 43         | 0  | 43 |
| SDS-V3-plasma-0_Cluster_2260_sequences           | 43         | 0  | 43 |
| SDS-V3-plasma-0_Cluster_1771_sequences           | 43         | 0  | 43 |
| SDS-V3-plasma-0_Cluster_2346_sequences           | 43         | 0  | 43 |
| SDS-V3-plasma-0_Cluster_542_sequences            | 43         | 0  | 43 |
| SDS-V3-plasma-0_Cluster_1110_sequences           | 43         | 0  | 43 |
| SDS-V3-plasma-0_Cluster_1351_sequences           | 43         | 0  | 43 |
| SDS-V3-plasma-5_Cluster_565_sequences            | 43         | 9  | 43 |
| SDS-V3-plasma-8_Cluster_2290_sequences           | 43         | 16 | 43 |
| SDS-V3-plasma-8_Cluster_3474_sequences           | 43         | 16 | 43 |
| SDS-V3-plasma-8_Cluster_2681_sequences           | 43         | 16 | 43 |
| SDS-V3-plasma-24_Cluster_94_sequences            | 43         | 124| 43 |
| SDS-V3-plasma-24_Cluster_935_sequences            | 43         | 124| 43 |
| SDS-V3-plasma-27_Cluster_1312_sequences          | 43         | 131| 43 |
| SDS-V3-plasma-27_Cluster_296_sequences           | 43         | 131| 43 |
| SDS-V3-plasma-27_Cluster_44_sequences            | 43         | 131| 43 |
| SDS-V3-plasma-27_Cluster_573_sequences           | 43         | 131| 43 |
| SDS-V3-plasma-27_Cluster_88_sequences            | 43         | 131| 43 |
| SDS-V3-plasma-27_Cluster_246_sequences           | 43         | 131| 43 |
| SDS-V3-plasma-27_Cluster_151_sequences           | 43         | 131| 43 |
| SDS-V3-plasma-45_Cluster_7445_sequences          | 43         | 282| 43 |
| SDS-V3-plasma-45_Cluster_2589_sequences          | 43         | 282| 43 |
| SDS-V3-plasma-45_Cluster_3058_sequences          | 43         | 282| 43 |
| SDS-V3-plasma-45_Cluster_1610_sequences          | 43         | 282| 43 |
| SDS-V3-plasma-45_Cluster_3310_sequences          | 43         | 282| 43 |
| Dataset                        | Cluster       | Sequences | Length | GC    |
|-------------------------------|---------------|-----------|--------|-------|
| SDS-V3-plasma-45_Cluster_7171 | sequences=43  | 282       | 43     |
| SDS-V3-plasma-45_Cluster_543  | sequences=43  | 282       | 43     |
| SDS-V3-plasma-45_Cluster_7297 | sequences=43  | 282       | 43     |
| SDS-V3-plasma-45_Cluster_7441 | sequences=43  | 282       | 43     |
| SDS-V3-plasma-45_Cluster_348  | sequences=43  | 282       | 43     |
| SDS-V3-plasma-45_Cluster_13469| sequences=43  | 282       | 43     |
| SDS-V3-plasma-45_Cluster_8326 | sequences=43  | 282       | 43     |
| SDS-V3-plasma-45_Cluster_2401 | sequences=43  | 282       | 43     |
| SDS-V3-plasma-45_Cluster_1893 | sequences=43  | 282       | 43     |
| SDS-V3-plasma-45_Cluster_4667 | sequences=43  | 282       | 43     |
| SDS-V3-plasma-46_Cluster_2228 | sequences=43  | 286       | 43     |
| SDS-V3-plasma-46_Cluster_1489 | sequences=43  | 286       | 43     |
| SDS-V3-plasma-46_Cluster_58   | sequences=43  | 286       | 43     |
| SDS-V3-plasma-46_Cluster_843  | sequences=43  | 286       | 43     |
| SDS-V3-plasma-46_Cluster_1912 | sequences=43  | 286       | 43     |
| SDS-V3-plasma-67_Cluster_5626 | sequences=43  | 504       | 43     |
| SDS-V3-plasma-67_Cluster_161  | sequences=43  | 504       | 43     |
| SDS-V3-plasma-67_Cluster_6113 | sequences=43  | 504       | 43     |
| SDS-V3-plasma-67_Cluster_11125| sequences=43  | 504       | 43     |
| SDS-V3-plasma-67_Cluster_530  | sequences=43  | 504       | 43     |
| SDS-V3-plasma-67_Cluster_5318 | sequences=43  | 504       | 43     |
| SDS-V3-plasma-67_Cluster_3694 | sequences=43  | 504       | 43     |
| SDS-V3-plasma-0_Cluster_1274  | sequences=42  | 0         | 42     |
| SDS-V3-plasma-0_Cluster_2119  | sequences=42  | 0         | 42     |
| SDS-V3-plasma-0_Cluster_2214  | sequences=42  | 0         | 42     |
| SDS-V3-plasma-0_Cluster_1407  | sequences=42  | 0         | 42     |
| SDS-V3-plasma-0_Cluster_1887  | sequences=42  | 0         | 42     |
| SDS-V3-plasma-0_Cluster_1890  | sequences=42  | 0         | 42     |
| SDS-V3-plasma-0_Cluster_40    | sequences=42  | 0         | 42     |
| SDS-V3-plasma-0_Cluster_2779  | sequences=42  | 0         | 42     |
| SDS-V3-plasma-0_Cluster_1865  | sequences=42  | 0         | 42     |
| SDS-V3-plasma-7_Cluster_345   | sequences=42  | 14        | 42     |
| SDS-V3-plasma-7_Cluster_421   | sequences=42  | 14        | 42     |
| SDS-V3-plasma-8_Cluster_2308  | sequences=42  | 16        | 42     |
| SDS-V3-plasma-8_Cluster_3680  | sequences=42  | 16        | 42     |
| SDS-V3-plasma-24_Cluster_1298 | sequences=42  | 124       | 42     |
| SDS-V3-plasma-24_Cluster_1600 | sequences=42  | 124       | 42     |
| SDS-V3-plasma-24_Cluster_26   | sequences=42  | 124       | 42     |
| SDS-V3-plasma-24_Cluster_371  | sequences=42  | 124       | 42     |
| SDS-V3-plasma-24_Cluster_877  | sequences=42  | 124       | 42     |
| SDS-V3-plasma-24_Cluster_409  | sequences=42  | 124       | 42     |
| SDS-V3-plasma-24_Cluster_377  | sequences=42  | 124       | 42     |
| SDS-V3-plasma-24_Cluster_428  | sequences=42  | 124       | 42     |
| Dataset                        | Cluster ID     | Sequences | Biotype  |
|-------------------------------|----------------|-----------|----------|
| SDS-V3-plasma-24_Cluster_415 | 124            | 42        |
| SDS-V3-plasma-24_Cluster_212 | 124            | 42        |
| SDS-V3-plasma-27_Cluster_1439| 131            | 42        |
| SDS-V3-plasma-27_Cluster_1190| 131            | 42        |
| SDS-V3-plasma-27_Cluster_2226| 131            | 42        |
| SDS-V3-plasma-27_Cluster_104 | 131            | 42        |
| SDS-V3-plasma-27_Cluster_390 | 131            | 42        |
| SDS-V3-plasma-27_Cluster_735 | 131            | 42        |
| SDS-V3-plasma-45_Cluster_1409| 282            | 42        |
| SDS-V3-plasma-45_Cluster_1857| 282            | 42        |
| SDS-V3-plasma-45_Cluster_4965| 282            | 42        |
| SDS-V3-plasma-45_Cluster_6047| 282            | 42        |
| SDS-V3-plasma-45_Cluster_12103| 282           | 42        |
| SDS-V3-plasma-45_Cluster_2553| 282            | 42        |
| SDS-V3-plasma-45_Cluster_11878| 282           | 42        |
| SDS-V3-plasma-45_Cluster_8682| 282            | 42        |
| SDS-V3-plasma-45_Cluster_1139| 282            | 42        |
| SDS-V3-plasma-45_Cluster_1653| 282            | 42        |
| SDS-V3-plasma-45_Cluster_13408| 282           | 42        |
| SDS-V3-plasma-45_Cluster_6712 | 282           | 42        |
| SDS-V3-plasma-45_Cluster_7661 | 282           | 42        |
| SDS-V3-plasma-45_Cluster_3351 | 282           | 42        |
| SDS-V3-plasma-45_Cluster_4501 | 282           | 42        |
| SDS-V3-plasma-45_Cluster_3554 | 282           | 42        |
| SDS-V3-plasma-45_Cluster_24118| 282           | 42        |
| SDS-V3-plasma-45_Cluster_1925 | 282           | 42        |
| SDS-V3-plasma-45_Cluster_993  | 282            | 42        |
| SDS-V3-plasma-45_Cluster_8210 | 282           | 42        |
| SDS-V3-plasma-45_Cluster_12390| 282           | 42        |
| SDS-V3-plasma-45_Cluster_608  | 282            | 42        |
| SDS-V3-plasma-45_Cluster_16979| 282            | 42        |
| SDS-V3-plasma-45_Cluster_5703 | 282            | 42        |
| SDS-V3-plasma-45_Cluster_4304 | 282           | 42        |
| SDS-V3-plasma-45_Cluster_8471 | 282           | 42        |
| SDS-V3-plasma-46_Cluster_807  | 286            | 42        |
| SDS-V3-plasma-46_Cluster_1264 | 286            | 42        |
| SDS-V3-plasma-46_Cluster_408  | 286            | 42        |
| SDS-V3-plasma-46_Cluster_950  | 286            | 42        |
| SDS-V3-plasma-46_Cluster_131  | 286            | 42        |
| SDS-V3-plasma-46_Cluster_964  | 286            | 42        |
| SDS-V3-plasma-46_Cluster_1395 | 286            | 42        |
| SDS-V3-plasma-46_Cluster_1733 | 286            | 42        |
| SDS-V3-plasma-67_Cluster_5360 | 504            | 42        |
| SDS-V3-plasma-67_Cluster_3803 | 504            | 42        |
| SDS-V3-plasma-67_Cluster_13586| 504            | 42        |
SDS-V3-plasma-67_Cluster_511_sequences=42  504  42
SDS-V3-plasma-67_Cluster_10241_sequences=42  504  42
SDS-V3-plasma-67_Cluster_16919_sequences=42  504  42
SDS-V3-plasma-67_Cluster_1713_sequences=42  504  42
SDS-V3-plasma-67_Cluster_9091_sequences=42  504  42
SDS-V3-plasma-67_Cluster_1346_sequences=42  504  42
SDS-V3-plasma-67_Cluster_4180_sequences=42  504  42
SDS-V3-plasma-67_Cluster_132_sequences=42  504  42
SDS-V3-plasma-67_Cluster_2934_sequences=42  504  42
SDS-V3-plasma-67_Cluster_7367_sequences=42  504  42
SDS-V3-plasma-67_Cluster_8472_sequences=42  504  42
SDS-V3-plasma-67_Cluster_150_sequences=42  504  42
SDS-V3-plasma-67_Cluster_6863_sequences=42  504  42
SDS-V3-plasma-67_Cluster_5203_sequences=42  504  42
SDS-V3-plasma-67_Cluster_1335_sequences=42  504  42
SDS-V3-plasma-67_Cluster_1380_sequences=42  504  42
SDS-V3-plasma-0_Cluster_1162_sequences=41  0  41
SDS-V3-plasma-0_Cluster_165_sequences=41  0  41
SDS-V3-plasma-0_Cluster_1805_sequences=41  0  41
SDS-V3-plasma-0_Cluster_182_sequences=41  0  41
SDS-V3-plasma-0_Cluster_2349_sequences=41  0  41
SDS-V3-plasma-0_Cluster_2947_sequences=41  0  41
SDS-V3-plasma-0_Cluster_877_sequences=41  0  41
SDS-V3-plasma-0_Cluster_926_sequences=41  0  41
SDS-V3-plasma-0_Cluster_2169_sequences=41  0  41
SDS-V3-plasma-0_Cluster_2048_sequences=41  0  41
SDS-V3-plasma-5_Cluster_15_sequences=41  9  41
SDS-V3-plasma-5_Cluster_28_sequences=41  9  41
SDS-V3-plasma-7_Cluster_427_sequences=41  14  41
SDS-V3-plasma-7_Cluster_123_sequences=41  14  41
SDS-V3-plasma-7_Cluster_705_sequences=41  14  41
SDS-V3-plasma-8_Cluster_2324_sequences=41  16  41
SDS-V3-plasma-8_Cluster_2906_sequences=41  16  41
SDS-V3-plasma-8_Cluster_2440_sequences=41  16  41
SDS-V3-plasma-8_Cluster_2457_sequences=41  16  41
SDS-V3-plasma-24_Cluster_1086_sequences=41  124  41
SDS-V3-plasma-24_Cluster_1317_sequences=41  124  41
SDS-V3-plasma-24_Cluster_1508_sequences=41  124  41
SDS-V3-plasma-24_Cluster_206_sequences=41  124  41
SDS-V3-plasma-24_Cluster_230_sequences=41  124  41
SDS-V3-plasma-24_Cluster_232_sequences=41  124  41
SDS-V3-plasma-24_Cluster_962_sequences=41  124  41
SDS-V3-plasma-24_Cluster_787_sequences=41  124  41
| Cluster Name                          | Sequences |
|--------------------------------------|-----------|
| SDS-V3-plasma-24_Cluster_525         | 124       |
| SDS-V3-plasma-24_Cluster_889         | 124       |
| SDS-V3-plasma-27_Cluster_535         | 131       |
| SDS-V3-plasma-27_Cluster_1020        | 131       |
| SDS-V3-plasma-27_Cluster_1791        | 131       |
| SDS-V3-plasma-27_Cluster_187         | 131       |
| SDS-V3-plasma-27_Cluster_1341        | 131       |
| SDS-V3-plasma-27_Cluster_1025        | 131       |
| SDS-V3-plasma-27_Cluster_295         | 131       |
| SDS-V3-plasma-45_Cluster_15000       | 282       |
| SDS-V3-plasma-45_Cluster_7457        | 282       |
| SDS-V3-plasma-45_Cluster_10412       | 282       |
| SDS-V3-plasma-45_Cluster_14000       | 282       |
| SDS-V3-plasma-45_Cluster_9409        | 282       |
| SDS-V3-plasma-45_Cluster_5007        | 282       |
| SDS-V3-plasma-45_Cluster_4949        | 282       |
| SDS-V3-plasma-45_Cluster_710         | 282       |
| SDS-V3-plasma-45_Cluster_1402        | 282       |
| SDS-V3-plasma-45_Cluster_5182        | 282       |
| SDS-V3-plasma-45_Cluster_2078        | 282       |
| SDS-V3-plasma-45_Cluster_9774        | 282       |
| SDS-V3-plasma-45_Cluster_4137        | 282       |
| SDS-V3-plasma-45_Cluster_5449        | 282       |
| SDS-V3-plasma-45_Cluster_2829        | 282       |
| SDS-V3-plasma-45_Cluster_15803       | 282       |
| SDS-V3-plasma-45_Cluster_7477        | 282       |
| SDS-V3-plasma-45_Cluster_6970        | 282       |
| SDS-V3-plasma-45_Cluster_15918       | 282       |
| SDS-V3-plasma-45_Cluster_2389        | 282       |
| SDS-V3-plasma-45_Cluster_2376        | 282       |
| SDS-V3-plasma-45_Cluster_3934        | 282       |
| SDS-V3-plasma-45_Cluster_10059       | 282       |
| SDS-V3-plasma-45_Cluster_8875        | 282       |
| SDS-V3-plasma-46_Cluster_1031        | 286       |
| SDS-V3-plasma-46_Cluster_102         | 286       |
| SDS-V3-plasma-46_Cluster_740         | 286       |
| SDS-V3-plasma-46_Cluster_192         | 286       |
| SDS-V3-plasma-46_Cluster_401         | 286       |
| SDS-V3-plasma-46_Cluster_643         | 286       |
| SDS-V3-plasma-67_Cluster_3364        | 504       |
| SDS-V3-plasma-67_Cluster_12801       | 504       |
| SDS-V3-plasma-67_Cluster_16007       | 504       |
| SDS-V3-plasma-67_Cluster_2709        | 504       |
| SDS-V3-plasma-67_Cluster_3696        | 504       |
| SDS-V3-plasma-67_Cluster_8874        | 504       |
| SDS-V3-plasma-67_Cluster_8874        | 504       |
| Sample ID                        | Sequences | 504 | 41 |
|---------------------------------|-----------|-----|----|
| SDS-V3-plasma-67_Cluster_7842  | 41        |     |    |
| SDS-V3-plasma-67_Cluster_2395  | 41        |     |    |
| SDS-V3-plasma-67_Cluster_5142  | 41        |     |    |
| SDS-V3-plasma-67_Cluster_4614  | 41        |     |    |
| SDS-V3-plasma-67_Cluster_12344 | 41        |     |    |
| SDS-V3-plasma-0_Cluster_1099   | 40        | 0   | 40 |
| SDS-V3-plasma-0_Cluster_1350   | 40        | 0   | 40 |
| SDS-V3-plasma-0_Cluster_490    | 40        | 0   | 40 |
| SDS-V3-plasma-0_Cluster_6275   | 40        | 0   | 40 |
| SDS-V3-plasma-0_Cluster_4106   | 40        | 0   | 40 |
| SDS-V3-plasma-0_Cluster_52     | 40        | 0   | 40 |
| SDS-V3-plasma-0_Cluster_1985   | 40        | 0   | 40 |
| SDS-V3-plasma-0_Cluster_2619   | 40        | 0   | 40 |
| SDS-V3-plasma-0_Cluster_4100   | 40        | 0   | 40 |
| SDS-V3-plasma-0_Cluster_2258   | 40        | 0   | 40 |
| SDS-V3-plasma-7_Cluster_130    | 40        | 14  | 40 |
| SDS-V3-plasma-7_Cluster_355    | 40        | 14  | 40 |
| SDS-V3-plasma-7_Cluster_1050   | 40        | 14  | 40 |
| SDS-V3-plasma-7_Cluster_270    | 40        | 14  | 40 |
| SDS-V3-plasma-7_Cluster_137    | 40        | 14  | 40 |
| SDS-V3-plasma-24_Cluster_1158  | 40        | 124 | 40 |
| SDS-V3-plasma-24_Cluster_1313  | 40        | 124 | 40 |
| SDS-V3-plasma-24_Cluster_1489  | 40        | 124 | 40 |
| SDS-V3-plasma-24_Cluster_247   | 40        | 124 | 40 |
| SDS-V3-plasma-24_Cluster_635   | 40        | 124 | 40 |
| SDS-V3-plasma-24_Cluster_708   | 40        | 124 | 40 |
| SDS-V3-plasma-24_Cluster_40    | 40        | 124 | 40 |
| SDS-V3-plasma-24_Cluster_520   | 40        | 124 | 40 |
| SDS-V3-plasma-24_Cluster_60    | 40        | 124 | 40 |
| SDS-V3-plasma-24_Cluster_470   | 40        | 124 | 40 |
| SDS-V3-plasma-24_Cluster_613   | 40        | 124 | 40 |
| SDS-V3-plasma-24_Cluster_859   | 40        | 124 | 40 |
| SDS-V3-plasma-27_Cluster_1037  | 40        | 131 | 40 |
| SDS-V3-plasma-27_Cluster_148   | 40        | 131 | 40 |
| SDS-V3-plasma-27_Cluster_235   | 40        | 131 | 40 |
| SDS-V3-plasma-27_Cluster_398   | 40        | 131 | 40 |
| SDS-V3-plasma-45_Cluster_3373  | 40        | 282 | 40 |
| SDS-V3-plasma-45_Cluster_3774  | 40        | 282 | 40 |
| SDS-V3-plasma-45_Cluster_822   | 40        | 282 | 40 |
| SDS-V3-plasma-45_Cluster_1684  | 40        | 282 | 40 |
| SDS-V3-plasma-45_Cluster_284   | 40        | 282 | 40 |
| SDS-V3-plasma-45_Cluster_7558  | 40        | 282 | 40 |
| SDS-V3-plasma-45_Cluster_289   | 40        | 282 | 40 |
| SDS-V3-plasma-45_Cluster_8661  | 40        | 282 | 40 |
| SDS-V3-plasma-45_Cluster_3570  | 40        | 282 | 40 |
| Cluster Name                                      | Sequences | 282 | 40 |
|--------------------------------------------------|-----------|-----|----|
| SDS-V3-plasma-45_Cluster_7039_sequences          | 40        |     |    |
| SDS-V3-plasma-45_Cluster_3625_sequences          | 40        |     |    |
| SDS-V3-plasma-45_Cluster_17964_sequences         | 40        |     |    |
| SDS-V3-plasma-45_Cluster_5202_sequences          | 40        |     |    |
| SDS-V3-plasma-45_Cluster_16575_sequences         | 40        |     |    |
| SDS-V3-plasma-45_Cluster_2937_sequences          | 40        |     |    |
| SDS-V3-plasma-45_Cluster_6687_sequences          | 40        |     |    |
| SDS-V3-plasma-45_Cluster_11356_sequences         | 40        |     |    |
| SDS-V3-plasma-45_Cluster_17370_sequences         | 40        |     |    |
| SDS-V3-plasma-45_Cluster_5223_sequences          | 40        |     |    |
| SDS-V3-plasma-45_Cluster_9624_sequences          | 40        |     |    |
| SDS-V3-plasma-45_Cluster_304_sequences           | 40        |     |    |
| SDS-V3-plasma-45_Cluster_3043_sequences          | 40        |     |    |
| SDS-V3-plasma-45_Cluster_1015_sequences          | 40        |     |    |
| SDS-V3-plasma-45_Cluster_882_sequences           | 40        |     |    |
| SDS-V3-plasma-45_Cluster_4247_sequences          | 40        |     |    |
| SDS-V3-plasma-67_Cluster_121_sequences           | 39        |     |    |
| SDS-V3-plasma-67_Cluster_1140_sequences          | 39        |     |    |
| SDS-V3-plasma-67_Cluster_1882_sequences          | 39        |     |    |
| SDS-V3-plasma-67_Cluster_35_sequences            | 39        |     |    |
| SDS-V3-plasma-0_Cluster_5005_sequences           | 39        |     |    |
| SDS-V3-plasma-0_Cluster_812_sequences            | 39        |     |    |
| SDS-V3-plasma-0_Cluster_5553_sequences           | 39        |     |    |
| SDS-V3-plasma-0_Cluster_1140_sequences           | 39        |     |    |
| SDS-V3-plasma-0_Cluster_1882_sequences           | 39        |     |    |
| SDS-V3-plasma-0_Cluster_35_sequences             | 39        |     |    |
| SDS-V3-plasma-0_Cluster_441_sequences            | 39        |     |    |
| SDS-V3-plasma-0_Cluster_2436_sequences           | 39        |     |    |
| SDS-V3-plasma-0_Cluster_5838_sequences           | 39        |     |    |
| SDS-V3-plasma-0_Cluster_5005_sequences           | 39        |     |    |
| SDS-V3-plasma-0_Cluster_812_sequences            | 39        |     |    |
| SDS-V3-plasma-0_Cluster_5553_sequences           | 39        |     |    |
| SDS-V3-plasma-0_Cluster_1140_sequences           | 39        |     |    |
| SDS-V3-plasma-0_Cluster_1882_sequences           | 39        |     |    |
| SDS-V3-plasma-0_Cluster_35_sequences             | 39        |     |    |
| SDS-V3-plasma-0_Cluster_441_sequences            | 39        |     |    |
| SDS-V3-plasma-0_Cluster_2436_sequences           | 39        |     |    |
| SDS-V3-plasma-0_Cluster_5838_sequences           | 39        |     |    |
| Cluster Name | Sequences |
|--------------|-----------|
| SDS-V3-plasma-0_Cluster_865 | sequences=39 |
| SDS-V3-plasma-0_Cluster_951 | sequences=39 |
| SDS-V3-plasma-5_Cluster_21 | sequences=39 |
| SDS-V3-plasma-5_Cluster_167 | sequences=39 |
| SDS-V3-plasma-7_Cluster_907 | sequences=39 |
| SDS-V3-plasma-7_Cluster_551 | sequences=39 |
| SDS-V3-plasma-7_Cluster_1131 | sequences=39 |
| SDS-V3-plasma-8_Cluster_39 | sequences=39 |
| SDS-V3-plasma-8_Cluster_2489 | sequences=39 |
| SDS-V3-plasma-8_Cluster_3208 | sequences=39 |
| SDS-V3-plasma-24_Cluster_1524 | sequences=39 |
| SDS-V3-plasma-24_Cluster_220 | sequences=39 |
| SDS-V3-plasma-24_Cluster_618 | sequences=39 |
| SDS-V3-plasma-24_Cluster_1266 | sequences=39 |
| SDS-V3-plasma-24_Cluster_697 | sequences=39 |
| SDS-V3-plasma-27_Cluster_1060 | sequences=39 |
| SDS-V3-plasma-27_Cluster_1752 | sequences=39 |
| SDS-V3-plasma-27_Cluster_3437 | sequences=39 |
| SDS-V3-plasma-27_Cluster_620 | sequences=39 |
| SDS-V3-plasma-27_Cluster_718 | sequences=39 |
| SDS-V3-plasma-27_Cluster_2090 | sequences=39 |
| SDS-V3-plasma-27_Cluster_141 | sequences=39 |
| SDS-V3-plasma-27_Cluster_685 | sequences=39 |
| SDS-V3-plasma-27_Cluster_2086 | sequences=39 |
| SDS-V3-plasma-27_Cluster_2073 | sequences=39 |
| SDS-V3-plasma-27_Cluster_113 | sequences=39 |
| SDS-V3-plasma-45_Cluster_2936 | sequences=39 |
| SDS-V3-plasma-45_Cluster_1086 | sequences=39 |
| SDS-V3-plasma-45_Cluster_3213 | sequences=39 |
| SDS-V3-plasma-45_Cluster_351 | sequences=39 |
| SDS-V3-plasma-45_Cluster_1423 | sequences=39 |
| SDS-V3-plasma-45_Cluster_5885 | sequences=39 |
| SDS-V3-plasma-45_Cluster_4681 | sequences=39 |
| SDS-V3-plasma-45_Cluster_4606 | sequences=39 |
| SDS-V3-plasma-45_Cluster_5881 | sequences=39 |
| SDS-V3-plasma-45_Cluster_1069 | sequences=39 |
| SDS-V3-plasma-45_Cluster_1138 | sequences=39 |
| SDS-V3-plasma-45_Cluster_7063 | sequences=39 |
| SDS-V3-plasma-45_Cluster_2475 | sequences=39 |
| SDS-V3-plasma-45_Cluster_4424 | sequences=39 |
| SDS-V3-plasma-45_Cluster_5110 | sequences=39 |
| SDS-V3-plasma-45_Cluster_887 | sequences=39 |
| SDS-V3-plasma-45_Cluster_3576 | sequences=39 |
| SDS-V3-plasma-45_Cluster_5404 | sequences=39 |
| Cluster Name                          | Sequences | GFF   |
|--------------------------------------|-----------|-------|
| SDS-V3-plasma-45_Cluster_4559        | 39        | 282   |
| SDS-V3-plasma-45_Cluster_2597        | 39        | 282   |
| SDS-V3-plasma-45_Cluster_6976        | 39        | 282   |
| SDS-V3-plasma-45_Cluster_6735        | 39        | 282   |
| SDS-V3-plasma-45_Cluster_2470        | 39        | 282   |
| SDS-V3-plasma-45_Cluster_8810        | 39        | 282   |
| SDS-V3-plasma-45_Cluster_4059        | 39        | 282   |
| SDS-V3-plasma-45_Cluster_5011        | 39        | 282   |
| SDS-V3-plasma-45_Cluster_6649        | 39        | 282   |
| SDS-V3-plasma-45_Cluster_9625        | 39        | 282   |
| SDS-V3-plasma-46_Cluster_962         | 39        | 286   |
| SDS-V3-plasma-46_Cluster_376         | 39        | 286   |
| SDS-V3-plasma-46_Cluster_2547        | 39        | 286   |
| SDS-V3-plasma-46_Cluster_1313        | 39        | 286   |
| SDS-V3-plasma-46_Cluster_338         | 39        | 286   |
| SDS-V3-plasma-46_Cluster_2720        | 39        | 286   |
| SDS-V3-plasma-46_Cluster_1118        | 39        | 286   |
| SDS-V3-plasma-46_Cluster_61          | 39        | 286   |
| SDS-V3-plasma-67_Cluster_365         | 39        | 504   |
| SDS-V3-plasma-67_Cluster_3876        | 39        | 504   |
| SDS-V3-plasma-67_Cluster_3316        | 39        | 504   |
| SDS-V3-plasma-67_Cluster_5792        | 39        | 504   |
| SDS-V3-plasma-67_Cluster_7261        | 39        | 504   |
| SDS-V3-plasma-67_Cluster_1256        | 39        | 504   |
| SDS-V3-plasma-67_Cluster_539         | 39        | 504   |
| SDS-V3-plasma-67_Cluster_937         | 39        | 504   |
| SDS-V3-plasma-67_Cluster_6924        | 39        | 504   |
| SDS-V3-plasma-67_Cluster_4450        | 39        | 504   |
| SDS-V3-plasma-67_Cluster_5019        | 39        | 504   |
| SDS-V3-plasma-67_Cluster_4764        | 39        | 504   |
| SDS-V3-plasma-0_Cluster_1376         | 38        | 0     |
| SDS-V3-plasma-0_Cluster_1249         | 38        | 0     |
| SDS-V3-plasma-0_Cluster_5071         | 38        | 0     |
| SDS-V3-plasma-0_Cluster_960          | 38        | 0     |
| SDS-V3-plasma-0_Cluster_2455         | 38        | 0     |
| SDS-V3-plasma-0_Cluster_3380         | 38        | 0     |
| SDS-V3-plasma-0_Cluster_1470         | 38        | 0     |
| SDS-V3-plasma-0_Cluster_1716         | 38        | 0     |
| SDS-V3-plasma-0_Cluster_200          | 38        | 0     |
| SDS-V3-plasma-0_Cluster_371          | 38        | 0     |
| SDS-V3-plasma-0_Cluster_1365         | 38        | 0     |
| SDS-V3-plasma-0_Cluster_261          | 38        | 0     |
| SDS-V3-plasma-5_Cluster_141          | 38        | 9     |
| SDS-V3-plasma-7_Cluster_515          | 38        | 14    |
| SDS-V3-plasma-7_Cluster_1967         | 38        | 14    |
| Dataset               | Cluster ID       | Sequences | Count |
|----------------------|------------------|-----------|-------|
| SDS-V3-plasma-8      | Cluster_2844     | 16        | 38    |
|                      |                  |           |       |
| SDS-V3-plasma-24     | Cluster_1206     | 124       | 38    |
|                      |                  |           |       |
| SDS-V3-plasma-24     | Cluster_13       | 124       | 38    |
|                      |                  |           |       |
| SDS-V3-plasma-24     | Cluster_1690     | 124       | 38    |
|                      |                  |           |       |
| SDS-V3-plasma-24     | Cluster_1751     | 124       | 38    |
|                      |                  |           |       |
| SDS-V3-plasma-24     | Cluster_2023     | 124       | 38    |
|                      |                  |           |       |
| SDS-V3-plasma-24     | Cluster_422      | 124       | 38    |
|                      |                  |           |       |
| SDS-V3-plasma-24     | Cluster_716      | 124       | 38    |
|                      |                  |           |       |
| SDS-V3-plasma-24     | Cluster_350      | 124       | 38    |
|                      |                  |           |       |
| SDS-V3-plasma-27     | Cluster_1546     | 131       | 38    |
|                      |                  |           |       |
| SDS-V3-plasma-27     | Cluster_508      | 131       | 38    |
|                      |                  |           |       |
| SDS-V3-plasma-27     | Cluster_566      | 131       | 38    |
|                      |                  |           |       |
| SDS-V3-plasma-27     | Cluster_642      | 131       | 38    |
|                      |                  |           |       |
| SDS-V3-plasma-45     | Cluster_151      | 282       | 38    |
|                      |                  |           |       |
| SDS-V3-plasma-45     | Cluster_11548    | 282       | 38    |
|                      |                  |           |       |
| SDS-V3-plasma-45     | Cluster_8645     | 282       | 38    |
|                      |                  |           |       |
| SDS-V3-plasma-45     | Cluster_10426    | 282       | 38    |
|                      |                  |           |       |
| SDS-V3-plasma-45     | Cluster_2076     | 282       | 38    |
|                      |                  |           |       |
| SDS-V3-plasma-45     | Cluster_5373     | 282       | 38    |
|                      |                  |           |       |
| SDS-V3-plasma-45     | Cluster_5646     | 282       | 38    |
|                      |                  |           |       |
| SDS-V3-plasma-45     | Cluster_68       | 282       | 38    |
|                      |                  |           |       |
| SDS-V3-plasma-45     | Cluster_7741     | 282       | 38    |
|                      |                  |           |       |
| SDS-V3-plasma-45     | Cluster_3753     | 282       | 38    |
|                      |                  |           |       |
| SDS-V3-plasma-45     | Cluster_7320     | 282       | 38    |
|                      |                  |           |       |
| SDS-V3-plasma-45     | Cluster_9856     | 282       | 38    |
|                      |                  |           |       |
| SDS-V3-plasma-45     | Cluster_9120     | 282       | 38    |
|                      |                  |           |       |
| SDS-V3-plasma-45     | Cluster_11889    | 282       | 38    |
|                      |                  |           |       |
| SDS-V3-plasma-45     | Cluster_8127     | 282       | 38    |
|                      |                  |           |       |
| SDS-V3-plasma-45     | Cluster_6667     | 282       | 38    |
|                      |                  |           |       |
| SDS-V3-plasma-45     | Cluster_5791     | 282       | 38    |
|                      |                  |           |       |
| SDS-V3-plasma-45     | Cluster_3903     | 282       | 38    |
|                      |                  |           |       |
| SDS-V3-plasma-45     | Cluster_9197     | 282       | 38    |
|                      |                  |           |       |
| SDS-V3-plasma-45     | Cluster_108      | 282       | 38    |
|                      |                  |           |       |
| SDS-V3-plasma-45     | Cluster_2803     | 282       | 38    |
|                      |                  |           |       |
| SDS-V3-plasma-45     | Cluster_6635     | 282       | 38    |
|                      |                  |           |       |
| SDS-V3-plasma-45     | Cluster_8819     | 282       | 38    |
|                      |                  |           |       |
| SDS-V3-plasma-45     | Cluster_3399     | 282       | 38    |
|                      |                  |           |       |
| SDS-V3-plasma-45     | Cluster_1845     | 282       | 38    |
|                      |                  |           |       |
| SDS-V3-plasma-45     | Cluster_1510     | 282       | 38    |
|                      |                  |           |       |
| SDS-V3-plasma-45     | Cluster_1051     | 282       | 38    |
|                      |                  |           |       |
| Cluster Name                  | Sequences | RT | TA |
|------------------------------|-----------|----|----|
| SDS-V3-plasma-45_Cluster_3343 | 38        | 282| 38 |
| SDS-V3-plasma-45_Cluster_16501 | 38        | 282| 38 |
| SDS-V3-plasma-45_Cluster_8943 | 38        | 282| 38 |
| SDS-V3-plasma-45_Cluster_3247 | 38        | 282| 38 |
| SDS-V3-plasma-45_Cluster_4462 | 38        | 282| 38 |
| SDS-V3-plasma-45_Cluster_6149 | 38        | 282| 38 |
| SDS-V3-plasma-45_Cluster_2393 | 38        | 282| 38 |
| SDS-V3-plasma-45_Cluster_1611 | 38        | 282| 38 |
| SDS-V3-plasma-45_Cluster_13808 | 38       | 282| 38 |
| SDS-V3-plasma-45_Cluster_444  | 38        | 282| 38 |
| SDS-V3-plasma-45_Cluster_6276 | 38        | 282| 38 |
| SDS-V3-plasma-45_Cluster_2756 | 38        | 282| 38 |
| SDS-V3-plasma-45_Cluster_8633 | 38        | 282| 38 |
| SDS-V3-plasma-46_Cluster_2193 | 38        | 286| 38 |
| SDS-V3-plasma-46_Cluster_2107 | 38        | 286| 38 |
| SDS-V3-plasma-46_Cluster_361  | 38        | 286| 38 |
| SDS-V3-plasma-46_Cluster_21591| 38       | 286| 38 |
| SDS-V3-plasma-46_Cluster_521  | 38        | 286| 38 |
| SDS-V3-plasma-46_Cluster_4824 | 38        | 286| 38 |
| SDS-V3-plasma-46_Cluster_7234 | 38        | 286| 38 |
| SDS-V3-plasma-46_Cluster_809  | 38        | 286| 38 |
| SDS-V3-plasma-46_Cluster_1615 | 38        | 286| 38 |
| SDS-V3-plasma-67_Cluster_7361 | 38        | 504| 38 |
| SDS-V3-plasma-67_Cluster_6223 | 38       | 504| 38 |
| SDS-V3-plasma-67_Cluster_6034 | 38        | 504| 38 |
| SDS-V3-plasma-67_Cluster_4344 | 38        | 504| 38 |
| SDS-V3-plasma-67_Cluster_4829 | 38        | 504| 38 |
| SDS-V3-plasma-67_Cluster_3422 | 38        | 504| 38 |
| SDS-V3-plasma-67_Cluster_1860 | 38        | 504| 38 |
| SDS-V3-plasma-67_Cluster_3132 | 38        | 504| 38 |
| SDS-V3-plasma-67_Cluster_17564| 38       | 504| 38 |
| SDS-V3-plasma-67_Cluster_2050 | 38        | 504| 38 |
| SDS-V3-plasma-67_Cluster_3115 | 38        | 504| 38 |
| SDS-V3-plasma-67_Cluster_2746 | 38        | 504| 38 |
| SDS-V3-plasma-67_Cluster_3549 | 38        | 504| 38 |
| SDS-V3-plasma-67_Cluster_623  | 38        | 504| 38 |
| SDS-V3-plasma-67_Cluster_6817 | 38        | 504| 38 |
| SDS-V3-plasma-67_Cluster_5434 | 38        | 504| 38 |
| SDS-V3-plasma-67_Cluster_12711| 38       | 504| 38 |
| SDS-V3-plasma-0_Cluster_1554 | 37        | 0  | 37 |
| SDS-V3-plasma-0_Cluster_1318 | 37        | 0  | 37 |
| SDS-V3-plasma-0_Cluster_134  | 37        | 0  | 37 |
| SDS-V3-plasma-0_Cluster_2180 | 37        | 0  | 37 |
| SDS-V3-plasma-0_Cluster_504  | 37        | 0  | 37 |
| SDS-V3-plasma-0_Cluster_5412 | 37        | 0  | 37 |
| Cluster Name                     | Sequences | Start | End |
|---------------------------------|-----------|-------|-----|
| SDS-V3-plasma-0_Cluster_1486    | 36        | 0     | 36  |
| SDS-V3-plasma-0_Cluster_1744    | 36        | 0     | 36  |
| SDS-V3-plasma-0_Cluster_2864    | 36        | 0     | 36  |
| SDS-V3-plasma-0_Cluster_464     | 36        | 0     | 36  |
| SDS-V3-plasma-0_Cluster_2835    | 36        | 0     | 36  |
| SDS-V3-plasma-0_Cluster_1802    | 36        | 0     | 36  |
| SDS-V3-plasma-5_Cluster_92      | 36        | 9     | 36  |
| SDS-V3-plasma-7_Cluster_910     | 36        | 14    | 36  |
| SDS-V3-plasma-7_Cluster_1405    | 36        | 14    | 36  |
| SDS-V3-plasma-24_Cluster_23     | 36        | 124   | 36  |
| SDS-V3-plasma-24_Cluster_1310   | 36        | 124   | 36  |
| SDS-V3-plasma-24_Cluster_589    | 36        | 124   | 36  |
| SDS-V3-plasma-27_Cluster_107    | 36        | 124   | 36  |
| SDS-V3-plasma-27_Cluster_1606   | 36        | 131   | 36  |
| SDS-V3-plasma-27_Cluster_2019   | 36        | 131   | 36  |
| SDS-V3-plasma-27_Cluster_376    | 36        | 131   | 36  |
| SDS-V3-plasma-27_Cluster_568    | 36        | 131   | 36  |
| SDS-V3-plasma-27_Cluster_76     | 36        | 131   | 36  |
| SDS-V3-plasma-27_Cluster_1269   | 36        | 131   | 36  |
| SDS-V3-plasma-27_Cluster_2006   | 36        | 131   | 36  |
| SDS-V3-plasma-45_Cluster_6438   | 36        | 282   | 36  |
| SDS-V3-plasma-45_Cluster_2121   | 36        | 282   | 36  |
| SDS-V3-plasma-45_Cluster_5160   | 36        | 282   | 36  |
| SDS-V3-plasma-45_Cluster_10739  | 36        | 282   | 36  |
| SDS-V3-plasma-45_Cluster_1902   | 36        | 282   | 36  |
| SDS-V3-plasma-45_Cluster_3069   | 36        | 282   | 36  |
| SDS-V3-plasma-45_Cluster_4255   | 36        | 282   | 36  |
| SDS-V3-plasma-45_Cluster_1496   | 36        | 282   | 36  |
| SDS-V3-plasma-45_Cluster_8947   | 36        | 282   | 36  |
| SDS-V3-plasma-45_Cluster_2636   | 36        | 282   | 36  |
| SDS-V3-plasma-45_Cluster_1707   | 36        | 282   | 36  |
| SDS-V3-plasma-45_Cluster_2486   | 36        | 282   | 36  |
| SDS-V3-plasma-45_Cluster_236    | 36        | 282   | 36  |
| SDS-V3-plasma-45_Cluster_2512   | 36        | 282   | 36  |
| SDS-V3-plasma-45_Cluster_737    | 36        | 282   | 36  |
| SDS-V3-plasma-45_Cluster_6571   | 36        | 282   | 36  |
| SDS-V3-plasma-45_Cluster_11737  | 36        | 282   | 36  |
| SDS-V3-plasma-45_Cluster_10616  | 36        | 282   | 36  |
| SDS-V3-plasma-45_Cluster_2534   | 36        | 282   | 36  |
| SDS-V3-plasma-45_Cluster_8122   | 36        | 282   | 36  |
| SDS-V3-plasma-45_Cluster_2169   | 36        | 282   | 36  |
| SDS-V3-plasma-45_Cluster_27080  | 36        | 282   | 36  |
| SDS-V3-plasma-45_Cluster_7168   | 36        | 282   | 36  |
| SDS-V3-plasma-45_Cluster_6899   | 36        | 282   | 36  |
| Sample                        | Cluster ID | Sequences |
|-------------------------------|------------|-----------|
| SDS-V3-plasma-45_Cluster_7798 | 282        | 36        |
| SDS-V3-plasma-45_Cluster_4374 | 282        | 36        |
| SDS-V3-plasma-45_Cluster_13129| 282        | 36        |
| SDS-V3-plasma-45_Cluster_6527 | 282        | 36        |
| SDS-V3-plasma-45_Cluster_4820 | 282        | 36        |
| SDS-V3-plasma-45_Cluster_8160 | 282        | 36        |
| SDS-V3-plasma-45_Cluster_11174| 282        | 36        |
| SDS-V3-plasma-45_Cluster_3151 | 286        | 36        |
| SDS-V3-plasma-46_Cluster_583  | 286        | 36        |
| SDS-V3-plasma-46_Cluster_1736 | 286        | 36        |
| SDS-V3-plasma-46_Cluster_2468 | 286        | 36        |
| SDS-V3-plasma-46_Cluster_2628 | 286        | 36        |
| SDS-V3-plasma-46_Cluster_938  | 286        | 36        |
| SDS-V3-plasma-46_Cluster_627  | 286        | 36        |
| SDS-V3-plasma-46_Cluster_787  | 286        | 36        |
| SDS-V3-plasma-46_Cluster_1574 | 286        | 36        |
| SDS-V3-plasma-67_Cluster_795  | 504        | 36        |
| SDS-V3-plasma-67_Cluster_2577 | 504        | 36        |
| SDS-V3-plasma-67_Cluster_22479| 504        | 36        |
| SDS-V3-plasma-67_Cluster_4767 | 504        | 36        |
| SDS-V3-plasma-67_Cluster_5781 | 504        | 36        |
| SDS-V3-plasma-67_Cluster_6768 | 504        | 36        |
| SDS-V3-plasma-67_Cluster_9431 | 504        | 36        |
| SDS-V3-plasma-67_Cluster_2147 | 504        | 36        |
| SDS-V3-plasma-67_Cluster_6901 | 504        | 36        |
| SDS-V3-plasma-67_Cluster_1033 | 504        | 36        |
| SDS-V3-plasma-67_Cluster_4310 | 504        | 36        |
| SDS-V3-plasma-67_Cluster_20620| 504        | 36        |
| SDS-V3-plasma-67_Cluster_6141 | 504        | 36        |
| SDS-V3-plasma-67_Cluster_11829| 504        | 36        |
| SDS-V3-PBMC-5_Cluster_31     | 9          | 35        |
| SDS-V3-plasma-0_Cluster_1529 | 0          | 35        |
| SDS-V3-plasma-0_Cluster_2055 | 0          | 35        |
| SDS-V3-plasma-0_Cluster_2806 | 0          | 35        |
| SDS-V3-plasma-0_Cluster_6994 | 0          | 35        |
| SDS-V3-plasma-0_Cluster_1489 | 0          | 35        |
| SDS-V3-plasma-0_Cluster_1263 | 0          | 35        |
| SDS-V3-plasma-0_Cluster_1319 | 0          | 35        |
| SDS-V3-plasma-0_Cluster_3660 | 0          | 35        |
| SDS-V3-plasma-0_Cluster_492  | 0          | 35        |
| SDS-V3-plasma-0_Cluster_770  | 0          | 35        |
| SDS-V3-plasma-0_Cluster_409  | 0          | 35        |
| SDS-V3-plasma-5_Cluster_598  | 9          | 35        |
| SDS-V3-plasma-5_Cluster_163  | 9          | 35        |
| SDS-V3-plasma-7_Cluster_511  | 14         | 35        |
| Cluster ID                           | Sequences | SDG | Sample |
|--------------------------------------|-----------|-----|--------|
| SDS-V3-plasma-7_Cluster_358_sequences | 14        | 35  |        |
| SDS-V3-plasma-7_Cluster_69_sequences  | 14        | 35  |        |
| SDS-V3-plasma-7_Cluster_1835_sequences| 14        | 35  |        |
| SDS-V3-plasma-8_Cluster_202_sequences | 16        | 35  |        |
| SDS-V3-plasma-8_Cluster_2714_sequences| 16        | 35  |        |
| SDS-V3-plasma-8_Cluster_2564_sequences| 16        | 35  |        |
| SDS-V3-plasma-8_Cluster_2655_sequences| 16        | 35  |        |
| SDS-V3-plasma-8_Cluster_3220_sequences| 16        | 35  |        |
| SDS-V3-plasma-8_Cluster_2896_sequences| 16        | 35  |        |
| SDS-V3-plasma-24_Cluster_228_sequences | 124       | 35  |        |
| SDS-V3-plasma-24_Cluster_25_sequences  | 124       | 35  |        |
| SDS-V3-plasma-24_Cluster_426_sequences | 124       | 35  |        |
| SDS-V3-plasma-24_Cluster_443_sequences | 124       | 35  |        |
| SDS-V3-plasma-24_Cluster_497_sequences | 124       | 35  |        |
| SDS-V3-plasma-24_Cluster_239_sequences | 124       | 35  |        |
| SDS-V3-plasma-24_Cluster_449_sequences | 124       | 35  |        |
| SDS-V3-plasma-24_Cluster_121_sequences  | 124       | 35  |        |
| SDS-V3-plasma-27_Cluster_1598_sequences | 131       | 35  |        |
| SDS-V3-plasma-27_Cluster_189_sequences  | 131       | 35  |        |
| SDS-V3-plasma-27_Cluster_2219_sequences | 131       | 35  |        |
| SDS-V3-plasma-27_Cluster_407_sequences  | 131       | 35  |        |
| SDS-V3-plasma-27_Cluster_948_sequences  | 131       | 35  |        |
| SDS-V3-plasma-45_Cluster_523_sequences | 282       | 35  |        |
| SDS-V3-plasma-45_Cluster_7451_sequences | 282       | 35  |        |
| SDS-V3-plasma-45_Cluster_1373_sequences | 282       | 35  |        |
| SDS-V3-plasma-45_Cluster_3580_sequences | 282       | 35  |        |
| SDS-V3-plasma-45_Cluster_3923_sequences | 282       | 35  |        |
| SDS-V3-plasma-45_Cluster_1186_sequences | 282       | 35  |        |
| SDS-V3-plasma-45_Cluster_3276_sequences | 282       | 35  |        |
| SDS-V3-plasma-45_Cluster_228_sequences  | 282       | 35  |        |
| SDS-V3-plasma-45_Cluster_12387_sequences | 282      | 35  |        |
| SDS-V3-plasma-45_Cluster_9207_sequences  | 282       | 35  |        |
| SDS-V3-plasma-45_Cluster_3889_sequences | 282       | 35  |        |
| SDS-V3-plasma-45_Cluster_8237_sequences  | 282       | 35  |        |
| SDS-V3-plasma-45_Cluster_49_sequences  | 282       | 35  |        |
| SDS-V3-plasma-45_Cluster_3759_sequences | 282       | 35  |        |
| SDS-V3-plasma-45_Cluster_3121_sequences  | 282       | 35  |        |
| SDS-V3-plasma-45_Cluster_3628_sequences | 282       | 35  |        |
| SDS-V3-plasma-45_Cluster_5409_sequences | 282       | 35  |        |
| SDS-V3-plasma-45_Cluster_2973_sequences | 282       | 35  |        |
| SDS-V3-plasma-45_Cluster_4760_sequences | 282       | 35  |        |
| SDS-V3-plasma-45_Cluster_1384_sequences  | 282       | 35  |        |
| SDS-V3-plasma-45_Cluster_7403_sequences  | 282       | 35  |        |
| SDS-V3-plasma-45_Cluster_4236_sequences | 282       | 35  |        |
| SDS-V3-plasma-45_Cluster_9479_sequences  | 282       | 35  |        |
| Cluster Name | Sequences | 282 | 35 |
|-------------|-----------|-----|-----|
| SDS-V3-plasma-45_Cluster_3449_sequences | 35 | 282 | 35 |
| SDS-V3-plasma-45_Cluster_6299_sequences | 35 | 282 | 35 |
| SDS-V3-plasma-45_Cluster_1489_sequences | 35 | 282 | 35 |
| SDS-V3-plasma-45_Cluster_3867_sequences | 35 | 282 | 35 |
| SDS-V3-plasma-45_Cluster_6747_sequences | 35 | 282 | 35 |
| SDS-V3-plasma-45_Cluster_12872_sequences | 35 | 282 | 35 |
| SDS-V3-plasma-45_Cluster_66624_sequences | 35 | 282 | 35 |
| SDS-V3-plasma-46_Cluster_2859_sequences | 35 | 286 | 35 |
| SDS-V3-plasma-46_Cluster_5668_sequences | 35 | 286 | 35 |
| SDS-V3-plasma-46_Cluster_287_sequences | 35 | 286 | 35 |
| SDS-V3-plasma-46_Cluster_2769_sequences | 35 | 286 | 35 |
| SDS-V3-plasma-46_Cluster_383_sequences | 35 | 286 | 35 |
| SDS-V3-plasma-46_Cluster_576_sequences | 35 | 286 | 35 |
| SDS-V3-plasma-46_Cluster_3868_sequences | 35 | 286 | 35 |
| SDS-V3-plasma-46_Cluster_2176_sequences | 35 | 286 | 35 |
| SDS-V3-plasma-46_Cluster_3615_sequences | 35 | 286 | 35 |
| SDS-V3-plasma-67_Cluster_351_sequences | 35 | 504 | 35 |
| SDS-V3-plasma-67_Cluster_13623_sequences | 35 | 504 | 35 |
| SDS-V3-plasma-67_Cluster_9053_sequences | 35 | 504 | 35 |
| SDS-V3-plasma-67_Cluster_7298_sequences | 35 | 504 | 35 |
| SDS-V3-plasma-67_Cluster_6854_sequences | 35 | 504 | 35 |
| SDS-V3-plasma-67_Cluster_7412_sequences | 35 | 504 | 35 |
| SDS-V3-plasma-67_Cluster_1773_sequences | 35 | 504 | 35 |
| SDS-V3-plasma-67_Cluster_4091_sequences | 35 | 504 | 35 |
| SDS-V3-plasma-67_Cluster_4492_sequences | 35 | 504 | 35 |
| SDS-V3-plasma-67_Cluster_431_sequences | 35 | 504 | 35 |
| SDS-V3-plasma-67_Cluster_1505_sequences | 35 | 504 | 35 |
| SDS-V3-plasma-0_Cluster_1953_sequences | 34 | 0 | 34 |
| SDS-V3-plasma-0_Cluster_1576_sequences | 34 | 0 | 34 |
| SDS-V3-plasma-0_Cluster_2332_sequences | 34 | 0 | 34 |
| SDS-V3-plasma-0_Cluster_4768_sequences | 34 | 0 | 34 |
| SDS-V3-plasma-0_Cluster_5179_sequences | 34 | 0 | 34 |
| SDS-V3-plasma-0_Cluster_977_sequences | 34 | 0 | 34 |
| SDS-V3-plasma-0_Cluster_576_sequences | 34 | 0 | 34 |
| SDS-V3-plasma-0_Cluster_1514_sequences | 34 | 0 | 34 |
| SDS-V3-plasma-0_Cluster_2092_sequences | 34 | 0 | 34 |
| SDS-V3-plasma-0_Cluster_59_sequences | 34 | 0 | 34 |
| SDS-V3-plasma-0_Cluster_7414_sequences | 34 | 0 | 34 |
| SDS-V3-plasma-0_Cluster_12901_sequences | 34 | 0 | 34 |
| SDS-V3-plasma-0_Cluster_3927_sequences | 34 | 0 | 34 |
| Cluster Name                        | Sequences |
|------------------------------------|-----------|
| SDS-V3-plasma-0_Cluster_1850       | 0         |
| SDS-V3-plasma-0_Cluster_1896       | 0         |
| SDS-V3-plasma-0_Cluster_248        | 0         |
| SDS-V3-plasma-0_Cluster_3139       | 0         |
| SDS-V3-plasma-0_Cluster_32672      | 0         |
| SDS-V3-plasma-7_Cluster_135        | 14        |
| SDS-V3-plasma-7_Cluster_138        | 14        |
| SDS-V3-plasma-7_Cluster_359        | 14        |
| SDS-V3-plasma-8_Cluster_288        | 16        |
| SDS-V3-plasma-8_Cluster_2410       | 16        |
| SDS-V3-plasma-8_Cluster_2904       | 16        |
| SDS-V3-plasma-8_Cluster_2474       | 16        |
| SDS-V3-plasma-8_Cluster_225        | 16        |
| SDS-V3-plasma-8_Cluster_2749       | 16        |
| SDS-V3-plasma-24_Cluster_1085      | 124       |
| SDS-V3-plasma-24_Cluster_238       | 124       |
| SDS-V3-plasma-24_Cluster_951       | 124       |
| SDS-V3-plasma-24_Cluster_2773      | 124       |
| SDS-V3-plasma-24_Cluster_573       | 124       |
| SDS-V3-plasma-24_Cluster_1514      | 124       |
| SDS-V3-plasma-24_Cluster_963       | 124       |
| SDS-V3-plasma-27_Cluster_118       | 131       |
| SDS-V3-plasma-27_Cluster_269       | 131       |
| SDS-V3-plasma-27_Cluster_276       | 131       |
| SDS-V3-plasma-27_Cluster_393       | 131       |
| SDS-V3-plasma-27_Cluster_555       | 131       |
| SDS-V3-plasma-27_Cluster_2447      | 131       |
| SDS-V3-plasma-27_Cluster_209       | 131       |
| SDS-V3-plasma-27_Cluster_1075      | 131       |
| SDS-V3-plasma-27_Cluster_771       | 131       |
| SDS-V3-plasma-45_Cluster_308       | 282       |
| SDS-V3-plasma-45_Cluster_3398      | 282       |
| SDS-V3-plasma-45_Cluster_2347      | 282       |
| SDS-V3-plasma-45_Cluster_712       | 282       |
| SDS-V3-plasma-45_Cluster_19441     | 282       |
| SDS-V3-plasma-45_Cluster_4849      | 282       |
| SDS-V3-plasma-45_Cluster_8428      | 282       |
| SDS-V3-plasma-45_Cluster_3814      | 282       |
| SDS-V3-plasma-45_Cluster_8929      | 282       |
| SDS-V3-plasma-45_Cluster_12815     | 282       |
| SDS-V3-plasma-45_Cluster_3577      | 282       |
| SDS-V3-plasma-45_Cluster_890       | 282       |
| SDS-V3-plasma-45_Cluster_6022      | 282       |
| SDS-V3-plasma-45_Cluster_918       | 282       |
| SDS-V3-plasma-45_Cluster_3315      | 282       |
| SDS-V3-plasma-45_Cluster_14064_sequences=34 | 282 | 34 |
| SDS-V3-plasma-45_Cluster_14067_sequences=34 | 282 | 34 |
| SDS-V3-plasma-45_Cluster_3335_sequences=34 | 282 | 34 |
| SDS-V3-plasma-45_Cluster_943_sequences=34 | 282 | 34 |
| SDS-V3-plasma-45_Cluster_9674_sequences=34 | 282 | 34 |
| SDS-V3-plasma-45_Cluster_2683_sequences=34 | 282 | 34 |
| SDS-V3-plasma-45_Cluster_17268_sequences=34 | 282 | 34 |
| SDS-V3-plasma-45_Cluster_11801_sequences=34 | 282 | 34 |
| SDS-V3-plasma-45_Cluster_10041_sequences=34 | 282 | 34 |
| SDS-V3-plasma-45_Cluster_4026_sequences=34 | 282 | 34 |
| SDS-V3-plasma-45_Cluster_5541_sequences=34 | 282 | 34 |
| SDS-V3-plasma-45_Cluster_5606_sequences=34 | 282 | 34 |
| SDS-V3-plasma-45_Cluster_7739_sequences=34 | 282 | 34 |
| SDS-V3-plasma-45_Cluster_12062_sequences=34 | 282 | 34 |
| SDS-V3-plasma-45_Cluster_10757_sequences=34 | 282 | 34 |
| SDS-V3-plasma-45_Cluster_4475_sequences=34 | 282 | 34 |
| SDS-V3-plasma-45_Cluster_694_sequences=34 | 282 | 34 |
| SDS-V3-plasma-45_Cluster_2667_sequences=34 | 282 | 34 |
| SDS-V3-plasma-46_Cluster_4235_sequences=34 | 286 | 34 |
| SDS-V3-plasma-46_Cluster_6185_sequences=34 | 286 | 34 |
| SDS-V3-plasma-46_Cluster_3135_sequences=34 | 286 | 34 |
| SDS-V3-plasma-46_Cluster_3785_sequences=34 | 286 | 34 |
| SDS-V3-plasma-46_Cluster_3120_sequences=34 | 286 | 34 |
| SDS-V3-plasma-46_Cluster_767_sequences=34 | 286 | 34 |
| SDS-V3-plasma-46_Cluster_739_sequences=34 | 286 | 34 |
| SDS-V3-plasma-46_Cluster_2294_sequences=34 | 286 | 34 |
| SDS-V3-plasma-67_Cluster_1018_sequences=34 | 504 | 34 |
| SDS-V3-plasma-67_Cluster_8113_sequences=34 | 504 | 34 |
| SDS-V3-plasma-67_Cluster_10583_sequences=34 | 504 | 34 |
| SDS-V3-plasma-67_Cluster_1949_sequences=34 | 504 | 34 |
| SDS-V3-plasma-67_Cluster_4318_sequences=34 | 504 | 34 |
| SDS-V3-plasma-67_Cluster_739_sequences=34 | 504 | 34 |
| SDS-V3-plasma-67_Cluster_978_sequences=34 | 504 | 34 |
| SDS-V3-plasma-67_Cluster_20839_sequences=34 | 504 | 34 |
| SDS-V3-plasma-67_Cluster_24975_sequences=34 | 504 | 34 |
| SDS-V3-plasma-67_Cluster_334_sequences=34 | 504 | 34 |
| SDS-V3-plasma-67_Cluster_4272_sequences=34 | 504 | 34 |
| SDS-V3-plasma-67_Cluster_6527_sequences=34 | 504 | 34 |
| SDS-V3-plasma-67_Cluster_6697_sequences=34 | 504 | 34 |
| SDS-V3-plasma-67_Cluster_6738_sequences=34 | 504 | 34 |
| SDS-V3-plasma-67_Cluster_1804_sequences=34 | 504 | 34 |
| SDS-V3-plasma-67_Cluster_5531_sequences=34 | 504 | 34 |
| SDS-V3-plasma-67_Cluster_11456_sequences=34 | 504 | 34 |
| SDS-V3-plasma-67_Cluster_310_sequences=34 | 504 | 34 |
| Cluster Name                          | Sequences | Children Cluster 1 | Children Cluster 2 |
|--------------------------------------|-----------|--------------------|--------------------|
| SDS-V3-plasma-67_Cluster_10860       | 34        |                    |                    |
| SDS-V3-plasma-67_Cluster_86          | 34        |                    |                    |
| SDS-V3-plasma-67_Cluster_10302       | 34        |                    |                    |
| SDS-V3-plasma-67_Cluster_2077        | 34        |                    |                    |
| SDS-V3-PBMC-5_Cluster_526            | 33        |                    |                    |
| SDS-V3-plasma-0_Cluster_407          | 33        |                    |                    |
| SDS-V3-plasma-0_Cluster_605          | 33        |                    |                    |
| SDS-V3-plasma-0_Cluster_1581         | 33        |                    |                    |
| SDS-V3-plasma-0_Cluster_1418         | 33        |                    |                    |
| SDS-V3-plasma-0_Cluster_380          | 33        |                    |                    |
| SDS-V3-plasma-0_Cluster_1142         | 33        |                    |                    |
| SDS-V3-plasma-0_Cluster_252          | 33        |                    |                    |
| SDS-V3-plasma-0_Cluster_2972         | 33        |                    |                    |
| SDS-V3-plasma-0_Cluster_627          | 33        |                    |                    |
| SDS-V3-plasma-0_Cluster_555          | 33        |                    |                    |
| SDS-V3-plasma-0_Cluster_408          | 33        |                    |                    |
| SDS-V3-plasma-0_Cluster_356          | 33        |                    |                    |
| SDS-V3-plasma-0_Cluster_1241         | 33        |                    |                    |
| SDS-V3-plasma-0_Cluster_936          | 33        |                    |                    |
| SDS-V3-plasma-0_Cluster_3746         | 33        |                    |                    |
| SDS-V3-plasma-0_Cluster_2758         | 33        |                    |                    |
| SDS-V3-plasma-0_Cluster_1154         | 33        |                    |                    |
| SDS-V3-plasma-0_Cluster_1714         | 33        |                    |                    |
| SDS-V3-plasma-5_Cluster_8             | 33        |                    |                    |
| SDS-V3-plasma-7_Cluster_646          | 33        |                    |                    |
| SDS-V3-plasma-7_Cluster_799          | 33        |                    |                    |
| SDS-V3-plasma-8_Cluster_2424         | 33        |                    |                    |
| SDS-V3-plasma-8_Cluster_3484         | 33        |                    |                    |
| SDS-V3-plasma-24_Cluster_111         | 33        |                    |                    |
| SDS-V3-plasma-24_Cluster_436         | 33        |                    |                    |
| SDS-V3-plasma-24_Cluster_513         | 33        |                    |                    |
| SDS-V3-plasma-24_Cluster_875         | 33        |                    |                    |
| SDS-V3-plasma-24_Cluster_2052        | 33        |                    |                    |
| SDS-V3-plasma-24_Cluster_1488        | 33        |                    |                    |
| SDS-V3-plasma-24_Cluster_1363        | 33        |                    |                    |
| SDS-V3-plasma-24_Cluster_355         | 33        |                    |                    |
| SDS-V3-plasma-24_Cluster_149         | 33        |                    |                    |
| SDS-V3-plasma-27_Cluster_1112        | 33        |                    |                    |
| SDS-V3-plasma-27_Cluster_1225        | 33        |                    |                    |
| SDS-V3-plasma-27_Cluster_15          | 33        |                    |                    |
| SDS-V3-plasma-27_Cluster_495         | 33        |                    |                    |
| SDS-V3-plasma-27_Cluster_1682        | 33        |                    |                    |
| SDS-V3-plasma-27_Cluster_255         | 33        |                    |                    |
| SDS-V3-plasma-27_Cluster_975         | 33        |                    |                    |
| SDS-V3-plasma-27_Cluster_1233        | 33        |                    |                    |
| Description                                               | Value1 | Value2 |
|-----------------------------------------------------------|--------|--------|
| SDS-V3-plasma-27_Cluster_2112_sequences                   | 131    | 33     |
| SDS-V3-plasma-27_Cluster_580_sequences                    | 131    | 33     |
| SDS-V3-plasma-27_Cluster_87_sequences                     | 131    | 33     |
| SDS-V3-plasma-45_Cluster_11866_sequences                 | 282    | 33     |
| SDS-V3-plasma-45_Cluster_13204_sequences                 | 282    | 33     |
| SDS-V3-plasma-45_Cluster_13022_sequences                 | 282    | 33     |
| SDS-V3-plasma-45_Cluster_1879_sequences                  | 282    | 33     |
| SDS-V3-plasma-45_Cluster_3681_sequences                  | 282    | 33     |
| SDS-V3-plasma-45_Cluster_485_sequences                   | 282    | 33     |
| SDS-V3-plasma-45_Cluster_647_sequences                   | 282    | 33     |
| SDS-V3-plasma-45_Cluster_3125_sequences                  | 282    | 33     |
| SDS-V3-plasma-45_Cluster_14923_sequences                 | 282    | 33     |
| SDS-V3-plasma-45_Cluster_2686_sequences                  | 282    | 33     |
| SDS-V3-plasma-45_Cluster_5161_sequences                  | 282    | 33     |
| SDS-V3-plasma-45_Cluster_1470_sequences                  | 282    | 33     |
| SDS-V3-plasma-45_Cluster_15223_sequences                 | 282    | 33     |
| SDS-V3-plasma-45_Cluster_2763_sequences                  | 282    | 33     |
| SDS-V3-plasma-45_Cluster_551_sequences                   | 282    | 33     |
| SDS-V3-plasma-45_Cluster_9732_sequences                  | 282    | 33     |
| SDS-V3-plasma-45_Cluster_5597_sequences                  | 282    | 33     |
| SDS-V3-plasma-45_Cluster_10481_sequences                 | 282    | 33     |
| SDS-V3-plasma-45_Cluster_17865_sequences                 | 282    | 33     |
| SDS-V3-plasma-45_Cluster_4355_sequences                  | 282    | 33     |
| SDS-V3-plasma-45_Cluster_55973_sequences                 | 282    | 33     |
| SDS-V3-plasma-45_Cluster_286_sequences                   | 282    | 33     |
| SDS-V3-plasma-45_Cluster_3470_sequences                  | 282    | 33     |
| SDS-V3-plasma-45_Cluster_2983_sequences                  | 282    | 33     |
| SDS-V3-plasma-45_Cluster_66647_sequences                 | 282    | 33     |
| SDS-V3-plasma-45_Cluster_7004_sequences                  | 282    | 33     |
| SDS-V3-plasma-45_Cluster_6_sequences                     | 282    | 33     |
| SDS-V3-plasma-45_Cluster_2632_sequences                  | 282    | 33     |
| SDS-V3-plasma-45_Cluster_2463_sequences                  | 282    | 33     |
| SDS-V3-plasma-45_Cluster_17953_sequences                 | 282    | 33     |
| SDS-V3-plasma-45_Cluster_217_sequences                   | 282    | 33     |
| SDS-V3-plasma-45_Cluster_10145_sequences                 | 282    | 33     |
| SDS-V3-plasma-45_Cluster_18516_sequences                 | 282    | 33     |
| SDS-V3-plasma-45_Cluster_3531_sequences                  | 282    | 33     |
| SDS-V3-plasma-46_Cluster_2340_sequences                  | 286    | 33     |
| SDS-V3-plasma-46_Cluster_1492_sequences                  | 286    | 33     |
| SDS-V3-plasma-46_Cluster_148_sequences                   | 286    | 33     |
| SDS-V3-plasma-46_Cluster_1579_sequences                  | 286    | 33     |
| SDS-V3-plasma-46_Cluster_1499_sequences                  | 286    | 33     |
| SDS-V3-plasma-46_Cluster_1780_sequences                  | 286    | 33     |
| SDS-V3-plasma-46_Cluster_68_sequences                    | 286    | 33     |
| SDS-V3-plasma-46_Cluster_4574_sequences                  | 286    | 33     |
| Sequence Description                          | Start Position | Length |
|----------------------------------------------|----------------|--------|
| SDS-V3-plasma-67_Cluster_9213_sequences=33   | 504            | 33     |
| SDS-V3-plasma-67_Cluster_2735_sequences=33   | 504            | 33     |
| SDS-V3-plasma-67_Cluster_7906_sequences=33   | 504            | 33     |
| SDS-V3-plasma-67_Cluster_1339_sequences=33   | 504            | 33     |
| SDS-V3-plasma-67_Cluster_445_sequences=33    | 504            | 33     |
| SDS-V3-plasma-67_Cluster_9375_sequences=33   | 504            | 33     |
| SDS-V3-plasma-67_Cluster_10374_sequences=33  | 504            | 33     |
| SDS-V3-plasma-67_Cluster_193_sequences=33    | 504            | 33     |
| SDS-V3-plasma-67_Cluster_217_sequences=33    | 504            | 33     |
| SDS-V3-plasma-67_Cluster_4533_sequences=33   | 504            | 33     |
| SDS-V3-plasma-67_Cluster_4891_sequences=33   | 504            | 33     |
| SDS-V3-plasma-67_Cluster_5147_sequences=33   | 504            | 33     |
| SDS-V3-plasma-67_Cluster_5372_sequences=33   | 504            | 33     |
| SDS-V3-plasma-67_Cluster_5494_sequences=33   | 504            | 33     |
| SDS-V3-plasma-67_Cluster_2641_sequences=33   | 504            | 33     |
| SDS-V3-plasma-67_Cluster_1442_sequences=33   | 504            | 33     |
| SDS-V3-plasma-67_Cluster_7082_sequences=33   | 504            | 33     |
| SDS-V3-plasma-67_Cluster_6211_sequences=33   | 504            | 33     |
| SDS-V3-plasma-67_Cluster_1928_sequences=33   | 504            | 33     |
| SDS-V3-plasma-0_Cluster_623_sequences=32     | 0              | 32     |
| SDS-V3-plasma-0_Cluster_4020_sequences=32    | 0              | 32     |
| SDS-V3-plasma-0_Cluster_1728_sequences=32    | 0              | 32     |
| SDS-V3-plasma-0_Cluster_55_sequences=32      | 0              | 32     |
| SDS-V3-plasma-0_Cluster_132_sequences=32     | 0              | 32     |
| SDS-V3-plasma-0_Cluster_549_sequences=32     | 0              | 32     |
| SDS-V3-plasma-0_Cluster_1158_sequences=32    | 0              | 32     |
| SDS-V3-plasma-0_Cluster_1903_sequences=32    | 0              | 32     |
| SDS-V3-plasma-0_Cluster_5175_sequences=32    | 0              | 32     |
| SDS-V3-plasma-0_Cluster_6358_sequences=32    | 0              | 32     |
| SDS-V3-plasma-0_Cluster_643_sequences=32     | 0              | 32     |
| SDS-V3-plasma-0_Cluster_1393_sequences=32    | 0              | 32     |
| SDS-V3-plasma-0_Cluster_2993_sequences=32    | 0              | 32     |
| SDS-V3-plasma-0_Cluster_9779_sequences=32    | 0              | 32     |
| SDS-V3-plasma-0_Cluster_3858_sequences=32    | 0              | 32     |
| SDS-V3-plasma-0_Cluster_568_sequences=32     | 0              | 32     |
| SDS-V3-plasma-0_Cluster_471_sequences=32     | 0              | 32     |
| SDS-V3-plasma-5_Cluster_30_sequences=32      | 9              | 32     |
| SDS-V3-plasma-7_Cluster_395_sequences=32     | 14             | 32     |
| SDS-V3-plasma-7_Cluster_773_sequences=32     | 14             | 32     |
| SDS-V3-plasma-7_Cluster_928_sequences=32     | 14             | 32     |
| SDS-V3-plasma-7_Cluster_379_sequences=32     | 14             | 32     |
| SDS-V3-plasma-7_Cluster_1594_sequences=32    | 14             | 32     |
| SDS-V3-plasma-8_Cluster_3469_sequences=32    | 16             | 32     |
| SDS-V3-plasma-8_Cluster_2853_sequences=32    | 16             | 32     |
| SDS-V3-plasma-24_Cluster_1813_sequences=32   | 124            | 32     |
| Cluster Number                      | Sequence Size | Other Information |
|------------------------------------|---------------|-------------------|
| SDS-V3-plasma-24_Cluster_197       | 124           | 32                |
| SDS-V3-plasma-24_Cluster_2274      | 124           | 32                |
| SDS-V3-plasma-24_Cluster_58        | 124           | 32                |
| SDS-V3-plasma-24_Cluster_856       | 124           | 32                |
| SDS-V3-plasma-24_Cluster_678       | 124           | 32                |
| SDS-V3-plasma-24_Cluster_133       | 124           | 32                |
| SDS-V3-plasma-24_Cluster_2353      | 124           | 32                |
| SDS-V3-plasma-24_Cluster_679       | 124           | 32                |
| SDS-V3-plasma-24_Cluster_358       | 124           | 32                |
| SDS-V3-plasma-27_Cluster_1460      | 131           | 32                |
| SDS-V3-plasma-27_Cluster_1573      | 131           | 32                |
| SDS-V3-plasma-27_Cluster_668       | 131           | 32                |
| SDS-V3-plasma-27_Cluster_315       | 131           | 32                |
| SDS-V3-plasma-27_Cluster_170       | 131           | 32                |
| SDS-V3-plasma-27_Cluster_632       | 131           | 32                |
| SDS-V3-plasma-27_Cluster_538       | 131           | 32                |
| SDS-V3-plasma-27_Cluster_1031      | 131           | 32                |
| SDS-V3-plasma-27_Cluster_579       | 131           | 32                |
| SDS-V3-plasma-27_Cluster_586       | 131           | 32                |
| SDS-V3-plasma-27_Cluster_833       | 131           | 32                |
| SDS-V3-plasma-45_Cluster_9211      | 282           | 32                |
| SDS-V3-plasma-45_Cluster_20832     | 282           | 32                |
| SDS-V3-plasma-45_Cluster_1434      | 282           | 32                |
| SDS-V3-plasma-45_Cluster_550       | 282           | 32                |
| SDS-V3-plasma-45_Cluster_12893     | 282           | 32                |
| SDS-V3-plasma-45_Cluster_10257     | 282           | 32                |
| SDS-V3-plasma-45_Cluster_5990      | 282           | 32                |
| SDS-V3-plasma-45_Cluster_9961      | 282           | 32                |
| SDS-V3-plasma-45_Cluster_1604      | 282           | 32                |
| SDS-V3-plasma-45_Cluster_5181      | 282           | 32                |
| SDS-V3-plasma-45_Cluster_2171      | 282           | 32                |
| SDS-V3-plasma-45_Cluster_3312      | 282           | 32                |
| SDS-V3-plasma-45_Cluster_10847     | 282           | 32                |
| SDS-V3-plasma-45_Cluster_15903     | 282           | 32                |
| SDS-V3-plasma-45_Cluster_1981      | 282           | 32                |
| SDS-V3-plasma-45_Cluster_2387      | 282           | 32                |
| SDS-V3-plasma-45_Cluster_885       | 282           | 32                |
| SDS-V3-plasma-45_Cluster_3699      | 282           | 32                |
| SDS-V3-plasma-45_Cluster_612       | 282           | 32                |
| SDS-V3-plasma-45_Cluster_3220      | 282           | 32                |
| SDS-V3-plasma-45_Cluster_1692      | 282           | 32                |
| SDS-V3-plasma-45_Cluster_3522      | 282           | 32                |
| SDS-V3-plasma-45_Cluster_3683      | 282           | 32                |
| SDS-V3-plasma-45_Cluster_4044      | 282           | 32                |
| SDS-V3-plasma-45_Cluster_9899      | 282           | 32                |
| Cluster Name                        | Sequences | ID  |
|------------------------------------|-----------|-----|
| SDS-V3-plasma-45_Cluster_978       | 32        | 282 |
| SDS-V3-plasma-45_Cluster_7192      | 32        | 282 |
| SDS-V3-plasma-45_Cluster_1416      | 32        | 282 |
| SDS-V3-plasma-45_Cluster_2256      | 32        | 282 |
| SDS-V3-plasma-45_Cluster_111       | 32        | 282 |
| SDS-V3-plasma-45_Cluster_6621      | 32        | 282 |
| SDS-V3-plasma-45_Cluster_5649      | 32        | 282 |
| SDS-V3-plasma-45_Cluster_7819      | 32        | 282 |
| SDS-V3-plasma-45_Cluster_15503     | 32        | 282 |
| SDS-V3-plasma-45_Cluster_8340      | 32        | 282 |
| SDS-V3-plasma-45_Cluster_2018      | 32        | 282 |
| SDS-V3-plasma-45_Cluster_689       | 32        | 282 |
| SDS-V3-plasma-45_Cluster_344       | 32        | 282 |
| SDS-V3-plasma-45_Cluster_858       | 32        | 282 |
| SDS-V3-plasma-46_Cluster_2413      | 32        | 286 |
| SDS-V3-plasma-46_Cluster_1812      | 32        | 286 |
| SDS-V3-plasma-46_Cluster_2696      | 32        | 286 |
| SDS-V3-plasma-46_Cluster_6195      | 32        | 286 |
| SDS-V3-plasma-46_Cluster_2642      | 32        | 286 |
| SDS-V3-plasma-46_Cluster_3014      | 32        | 286 |
| SDS-V3-plasma-46_Cluster_2303      | 32        | 286 |
| SDS-V3-plasma-46_Cluster_2247      | 32        | 286 |
| SDS-V3-plasma-46_Cluster_3001      | 32        | 286 |
| SDS-V3-plasma-46_Cluster_5375      | 32        | 286 |
| SDS-V3-plasma-67_Cluster_1494      | 32        | 504 |
| SDS-V3-plasma-67_Cluster_5569      | 32        | 504 |
| SDS-V3-plasma-67_Cluster_11153     | 32        | 504 |
| SDS-V3-plasma-67_Cluster_5182      | 32        | 504 |
| SDS-V3-plasma-67_Cluster_1307      | 32        | 504 |
| SDS-V3-plasma-67_Cluster_5394      | 32        | 504 |
| SDS-V3-plasma-67_Cluster_134       | 32        | 504 |
| SDS-V3-plasma-67_Cluster_15075     | 32        | 504 |
| SDS-V3-plasma-67_Cluster_7083      | 32        | 504 |
| SDS-V3-plasma-67_Cluster_32133     | 32        | 504 |
| SDS-V3-plasma-67_Cluster_4438      | 32        | 504 |
| SDS-V3-plasma-67_Cluster_11483     | 32        | 504 |
| SDS-V3-plasma-67_Cluster_3939      | 32        | 504 |
| SDS-V3-plasma-67_Cluster_130621    | 32        | 504 |
| SDS-V3-PBMC-45_Cluster_23659       | 31        | 282 |
| SDS-V3-PBMC-63_Cluster_21          | 31        | 489 |
| SDS-V3-plasma-0_Cluster_1873       | 31        | 0   |
| SDS-V3-plasma-0_Cluster_1508       | 31        | 0   |
| SDS-V3-plasma-0_Cluster_1537       | 31        | 0   |
| SDS-V3-plasma-0_Cluster_1286       | 31        | 0   |
| SDS-V3-plasma-0_Cluster_2164       | 31        | 0   |
| Cluster Name                                      | Sequences | Length |
|--------------------------------------------------|-----------|--------|
| SDS-V3-plasma-45_Cluster_4215                   | 282       | 31     |
| SDS-V3-plasma-45_Cluster_2334                   | 282       | 31     |
| SDS-V3-plasma-45_Cluster_11543                  | 282       | 31     |
| SDS-V3-plasma-45_Cluster_12567                  | 282       | 31     |
| SDS-V3-plasma-45_Cluster_13748                  | 282       | 31     |
| SDS-V3-plasma-45_Cluster_17388                  | 282       | 31     |
| SDS-V3-plasma-45_Cluster_10989                  | 282       | 31     |
| SDS-V3-plasma-45_Cluster_11958                  | 282       | 31     |
| SDS-V3-plasma-45_Cluster_2258                   | 282       | 31     |
| SDS-V3-plasma-45_Cluster_3225                   | 282       | 31     |
| SDS-V3-plasma-45_Cluster_3646                   | 282       | 31     |
| SDS-V3-plasma-45_Cluster_946                     | 282       | 31     |
| SDS-V3-plasma-45_Cluster_9662                   | 282       | 31     |
| SDS-V3-plasma-45_Cluster_100                    | 282       | 31     |
| SDS-V3-plasma-45_Cluster_10770                  | 282       | 31     |
| SDS-V3-plasma-45_Cluster_2529                   | 282       | 31     |
| SDS-V3-plasma-45_Cluster_521                    | 282       | 31     |
| SDS-V3-plasma-45_Cluster_5465                   | 282       | 31     |
| SDS-V3-plasma-45_Cluster_1846                   | 282       | 31     |
| SDS-V3-plasma-45_Cluster_3881                   | 282       | 31     |
| SDS-V3-plasma-45_Cluster_8487                   | 282       | 31     |
| SDS-V3-plasma-45_Cluster_6877                   | 282       | 31     |
| SDS-V3-plasma-45_Cluster_4254                   | 282       | 31     |
| SDS-V3-plasma-45_Cluster_12712                  | 282       | 31     |
| SDS-V3-plasma-45_Cluster_12611                  | 282       | 31     |
| SDS-V3-plasma-45_Cluster_12235                  | 282       | 31     |
| SDS-V3-plasma-45_Cluster_1538                   | 282       | 31     |
| SDS-V3-plasma-45_Cluster_3954                   | 282       | 31     |
| SDS-V3-plasma-45_Cluster_6565                   | 282       | 31     |
| SDS-V3-plasma-45_Cluster_68979                  | 282       | 31     |
| SDS-V3-plasma-45_Cluster_12180                  | 282       | 31     |
| SDS-V3-plasma-45_Cluster_1072                   | 282       | 31     |
| SDS-V3-plasma-45_Cluster_5355                   | 282       | 31     |
| SDS-V3-plasma-45_Cluster_1601                   | 282       | 31     |
| SDS-V3-plasma-45_Cluster_6126                   | 282       | 31     |
| SDS-V3-plasma-45_Cluster_9233                   | 282       | 31     |
| SDS-V3-plasma-45_Cluster_624                     | 282       | 31     |
| SDS-V3-plasma-45_Cluster_15113                  | 282       | 31     |
| SDS-V3-plasma-45_Cluster_14399                  | 282       | 31     |
| SDS-V3-plasma-45_Cluster_193                    | 282       | 31     |
| SDS-V3-plasma-45_Cluster_4511                   | 282       | 31     |
| SDS-V3-plasma-45_Cluster_5229                   | 282       | 31     |
| SDS-V3-plasma-45_Cluster_8680                   | 282       | 31     |
| SDS-V3-plasma-46_Cluster_1344                   | 286       | 31     |
| SDS-V3-plasma-46_Cluster_371                    | 286       | 31     |
| Cluster Name                          | Sequences |
|--------------------------------------|-----------|
| SDS-V3-plasma-46_Cluster_1919        | 31        |
| SDS-V3-plasma-46_Cluster_1557        | 31        |
| SDS-V3-plasma-46_Cluster_2355        | 31        |
| SDS-V3-plasma-46_Cluster_782         | 31        |
| SDS-V3-plasma-46_Cluster_2206        | 31        |
| SDS-V3-plasma-46_Cluster_4990        | 31        |
| SDS-V3-plasma-46_Cluster_5252        | 31        |
| SDS-V3-plasma-46_Cluster_300         | 31        |
| SDS-V3-plasma-46_Cluster_2390        | 31        |
| SDS-V3-plasma-46_Cluster_2727        | 31        |
| SDS-V3-plasma-46_Cluster_1970        | 31        |
| SDS-V3-plasma-67_Cluster_10940       | 31        |
| SDS-V3-plasma-67_Cluster_2595        | 31        |
| SDS-V3-plasma-67_Cluster_6002        | 31        |
| SDS-V3-plasma-67_Cluster_9472        | 31        |
| SDS-V3-plasma-67_Cluster_3511        | 31        |
| SDS-V3-plasma-67_Cluster_13222       | 31        |
| SDS-V3-plasma-67_Cluster_502         | 31        |
| SDS-V3-plasma-67_Cluster_14610       | 31        |
| SDS-V3-plasma-67_Cluster_1404        | 31        |
| SDS-V3-plasma-67_Cluster_14581       | 31        |
| SDS-V3-plasma-67_Cluster_3470        | 31        |
| SDS-V3-plasma-67_Cluster_460         | 31        |
| SDS-V3-plasma-67_Cluster_5163        | 31        |
| SDS-V3-plasma-67_Cluster_3187        | 31        |
| SDS-V3-plasma-67_Cluster_3596        | 31        |
| SDS-V3-plasma-67_Cluster_3918        | 31        |
| SDS-V3-plasma-67_Cluster_2320        | 31        |
| SDS-V3-plasma-67_Cluster_9685        | 31        |
| SDS-V3-plasma-67_Cluster_1618        | 31        |
| SDS-V3-plasma-67_Cluster_6310        | 31        |
| SDS-V3-plasma-67_Cluster_8123        | 31        |
| SDS-V3-plasma-67_Cluster_7418        | 31        |
| SDS-V3-plasma-67_Cluster_1627        | 31        |
| SDS-V3-plasma-67_Cluster_5034        | 31        |
| SDS-V3-plasma-67_Cluster_2806        | 31        |
| SDS-V3-plasma-67_Cluster_5771        | 31        |
| SDS-V3-plasma-67_Cluster_5104        | 31        |
| SDS-V3-plasma-67_Cluster_3505        | 31        |
| SDS-V3-plasma-67_Cluster_2250        | 30        |
| SDS-V3-plasma-0_Cluster_147          | 30        |
| SDS-V3-plasma-0_Cluster_212          | 30        |
| SDS-V3-plasma-0_Cluster_2326         | 30        |
| SDS-V3-plasma-0_Cluster_331          | 30        |
| SDS-V3-plasma-0_Cluster_4097         | 30        |
| Cluster Label                       | Sequences | First | Last |
|------------------------------------|-----------|-------|------|
| SDS-V3-plasma-0_Cluster_4839      | 0         | 30    |
| SDS-V3-plasma-0_Cluster_1937      | 0         | 30    |
| SDS-V3-plasma-0_Cluster_2294      | 0         | 30    |
| SDS-V3-plasma-0_Cluster_1017      | 0         | 30    |
| SDS-V3-plasma-0_Cluster_1859      | 0         | 30    |
| SDS-V3-plasma-0_Cluster_2878      | 0         | 30    |
| SDS-V3-plasma-0_Cluster_3189      | 0         | 30    |
| SDS-V3-plasma-0_Cluster_3590      | 0         | 30    |
| SDS-V3-plasma-0_Cluster_360       | 0         | 30    |
| SDS-V3-plasma-0_Cluster_6491      | 0         | 30    |
| SDS-V3-plasma-0_Cluster_9773      | 0         | 30    |
| SDS-V3-plasma-0_Cluster_2144      | 0         | 30    |
| SDS-V3-plasma-0_Cluster_2154      | 0         | 30    |
| SDS-V3-plasma-0_Cluster_6426      | 0         | 30    |
| SDS-V3-plasma-5_Cluster_368       | 9         | 30    |
| SDS-V3-plasma-5_Cluster_37        | 9         | 30    |
| SDS-V3-plasma-5_Cluster_48        | 9         | 30    |
| SDS-V3-plasma-5_Cluster_542       | 9         | 30    |
| SDS-V3-plasma-5_Cluster_719       | 14        | 30    |
| SDS-V3-plasma-5_Cluster_457       | 14        | 30    |
| SDS-V3-plasma-8_Cluster_186       | 16        | 30    |
| SDS-V3-plasma-8_Cluster_2674      | 16        | 30    |
| SDS-V3-plasma-8_Cluster_2274      | 16        | 30    |
| SDS-V3-plasma-8_Cluster_2993      | 16        | 30    |
| SDS-V3-plasma-24_Cluster_1894     | 124       | 30    |
| SDS-V3-plasma-24_Cluster_329      | 124       | 30    |
| SDS-V3-plasma-24_Cluster_1677     | 124       | 30    |
| SDS-V3-plasma-24_Cluster_244      | 124       | 30    |
| SDS-V3-plasma-24_Cluster_2187     | 124       | 30    |
| SDS-V3-plasma-24_Cluster_1289     | 124       | 30    |
| SDS-V3-plasma-27_Cluster_1472     | 131       | 30    |
| SDS-V3-plasma-27_Cluster_1383     | 131       | 30    |
| SDS-V3-plasma-27_Cluster_1472     | 131       | 30    |
| SDS-V3-plasma-27_Cluster_2290     | 131       | 30    |
| SDS-V3-plasma-27_Cluster_988      | 131       | 30    |
| SDS-V3-plasma-27_Cluster_629      | 131       | 30    |
| SDS-V3-plasma-27_Cluster_227      | 131       | 30    |
| SDS-V3-plasma-45_Cluster_1755     | 282       | 30    |
| SDS-V3-plasma-45_Cluster_4010     | 282       | 30    |
| SDS-V3-plasma-45_Cluster_20038    | 282       | 30    |
| SDS-V3-plasma-45_Cluster_1326     | 282       | 30    |
| SDS-V3-plasma-45_Cluster_9982     | 282       | 30    |
| SDS-V3-plasma-45_Cluster_4214     | 282       | 30    |
| SDS-V3-plasma-45_Cluster_11594    | 282       | 30    |
| SDS-V3-plasma-45_Cluster_235      | 282       | 30    |
| SDS-V3-plasma-45_Cluster_235     | 282       | 30    |
| Cluster                        | Sequences | Score | Rank |
|-------------------------------|-----------|-------|------|
| SDS-V3-plasma-67_Cluster_3451 | 30        | 504   | 30   |
| SDS-V3-plasma-67_Cluster_850  | 30        | 504   | 30   |
| SDS-V3-plasma-67_Cluster_1097 | 30        | 504   | 30   |
| SDS-V3-plasma-67_Cluster_8252 | 30        | 504   | 30   |
| SDS-V3-plasma-67_Cluster_393  | 30        | 504   | 30   |
| SDS-V3-plasma-67_Cluster_4927 | 30        | 504   | 30   |
| SDS-V3-plasma-67_Cluster_11183| 30        | 504   | 30   |
| SDS-V3-plasma-67_Cluster_1386 | 30        | 504   | 30   |
| SDS-V3-plasma-67_Cluster_1741 | 30        | 504   | 30   |
| SDS-V3-plasma-67_Cluster_180  | 30        | 504   | 30   |
| SDS-V3-plasma-67_Cluster_2601 | 30        | 504   | 30   |
| SDS-V3-plasma-67_Cluster_5551 | 30        | 504   | 30   |
| SDS-V3-plasma-67_Cluster_2653 | 30        | 504   | 30   |
| SDS-V3-plasma-67_Cluster_12063| 30        | 504   | 30   |
| SDS-V3-plasma-67_Cluster_9416 | 30        | 504   | 30   |
| SDS-V3-plasma-67_Cluster_2223 | 30        | 504   | 30   |
| SDS-V3-plasma-67_Cluster_14702| 30        | 504   | 30   |
| SDS-V3-plasma-0_Cluster_161   | 29        | 0     | 29   |
| SDS-V3-plasma-0_Cluster_720   | 29        | 0     | 29   |
| SDS-V3-plasma-0_Cluster_158   | 29        | 0     | 29   |
| SDS-V3-plasma-0_Cluster_2333  | 29        | 0     | 29   |
| SDS-V3-plasma-0_Cluster_2613  | 29        | 0     | 29   |
| SDS-V3-plasma-0_Cluster_4049  | 29        | 0     | 29   |
| SDS-V3-plasma-0_Cluster_7995  | 29        | 0     | 29   |
| SDS-V3-plasma-0_Cluster_2050  | 29        | 0     | 29   |
| SDS-V3-plasma-0_Cluster_2245  | 29        | 0     | 29   |
| SDS-V3-plasma-0_Cluster_3485  | 29        | 0     | 29   |
| SDS-V3-plasma-0_Cluster_1320  | 29        | 0     | 29   |
| SDS-V3-plasma-0_Cluster_2213  | 29        | 0     | 29   |
| SDS-V3-plasma-0_Cluster_1307  | 29        | 0     | 29   |
| SDS-V3-plasma-0_Cluster_1061  | 29        | 0     | 29   |
| SDS-V3-plasma-0_Cluster_1826  | 29        | 0     | 29   |
| SDS-V3-plasma-0_Cluster_376   | 29        | 0     | 29   |
| SDS-V3-plasma-0_Cluster_4860  | 29        | 0     | 29   |
| SDS-V3-plasma-0_Cluster_1119  | 29        | 0     | 29   |
| SDS-V3-plasma-0_Cluster_2692  | 29        | 0     | 29   |
| SDS-V3-plasma-0_Cluster_345   | 29        | 0     | 29   |
| SDS-V3-plasma-0_Cluster_2842  | 29        | 0     | 29   |
| SDS-V3-plasma-0_Cluster_1064  | 29        | 0     | 29   |
| SDS-V3-plasma-0_Cluster_909   | 29        | 0     | 29   |
| SDS-V3-plasma-5_Cluster_132   | 29        | 9     | 29   |
| SDS-V3-plasma-5_Cluster_98    | 29        | 9     | 29   |
| SDS-V3-plasma-7_Cluster_315   | 29        | 14    | 29   |
| SDS-V3-plasma-7_Cluster_1705  | 29        | 14    | 29   |
| SDS-V3-plasma-7_Cluster_586   | 29        | 14    | 29   |
| Cluster Name                        | Sequences | D   | W  |
|------------------------------------|-----------|-----|----|
| SDS-V3-plasma-7_Cluster_405        | 14        | 29  |
| SDS-V3-plasma-7_Cluster_114        | 14        | 29  |
| SDS-V3-plasma-7_Cluster_2054       | 14        | 29  |
| SDS-V3-plasma-8_Cluster_133        | 16        | 29  |
| SDS-V3-plasma-8_Cluster_3032       | 16        | 29  |
| SDS-V3-plasma-8_Cluster_3712       | 16        | 29  |
| SDS-V3-plasma-8_Cluster_3053       | 16        | 29  |
| SDS-V3-plasma-8_Cluster_2653       | 16        | 29  |
| SDS-V3-plasma-8_Cluster_3648       | 16        | 29  |
| SDS-V3-plasma-8_Cluster_3000       | 16        | 29  |
| SDS-V3-plasma-8_Cluster_2291       | 16        | 29  |
| SDS-V3-plasma-24_Cluster_1449      | 124       | 29  |
| SDS-V3-plasma-24_Cluster_261       | 124       | 29  |
| SDS-V3-plasma-24_Cluster_398       | 124       | 29  |
| SDS-V3-plasma-24_Cluster_403       | 124       | 29  |
| SDS-V3-plasma-24_Cluster_577       | 124       | 29  |
| SDS-V3-plasma-24_Cluster_609       | 124       | 29  |
| SDS-V3-plasma-24_Cluster_652       | 124       | 29  |
| SDS-V3-plasma-24_Cluster_1227      | 124       | 29  |
| SDS-V3-plasma-24_Cluster_719       | 124       | 29  |
| SDS-V3-plasma-24_Cluster_1006      | 124       | 29  |
| SDS-V3-plasma-24_Cluster_253       | 124       | 29  |
| SDS-V3-plasma-27_Cluster_110       | 131       | 29  |
| SDS-V3-plasma-27_Cluster_429       | 131       | 29  |
| SDS-V3-plasma-27_Cluster_1796      | 131       | 29  |
| SDS-V3-plasma-27_Cluster_1401      | 131       | 29  |
| SDS-V3-plasma-27_Cluster_794       | 131       | 29  |
| SDS-V3-plasma-27_Cluster_1381      | 131       | 29  |
| SDS-V3-plasma-27_Cluster_1004      | 131       | 29  |
| SDS-V3-plasma-27_Cluster_30        | 131       | 29  |
| SDS-V3-plasma-27_Cluster_2376      | 131       | 29  |
| SDS-V3-plasma-27_Cluster_1291      | 131       | 29  |
| SDS-V3-plasma-45_Cluster_23083     | 282       | 29  |
| SDS-V3-plasma-45_Cluster_11789     | 282       | 29  |
| SDS-V3-plasma-45_Cluster_2552      | 282       | 29  |
| SDS-V3-plasma-45_Cluster_6278      | 282       | 29  |
| SDS-V3-plasma-45_Cluster_13909     | 282       | 29  |
| SDS-V3-plasma-45_Cluster_10669     | 282       | 29  |
| SDS-V3-plasma-45_Cluster_13407     | 282       | 29  |
| SDS-V3-plasma-45_Cluster_16938     | 282       | 29  |
| SDS-V3-plasma-45_Cluster_18410     | 282       | 29  |
| SDS-V3-plasma-45_Cluster_554       | 282       | 29  |
| SDS-V3-plasma-45_Cluster_82        | 282       | 29  |
| SDS-V3-plasma-45_Cluster_6021      | 282       | 29  |
| SDS-V3-plasma-45_Cluster_3658      | 282       | 29  |
SDS-V3-plasma-45_Cluster_13025_sequences=29
SDS-V3-plasma-45_Cluster_7243_sequences=29
SDS-V3-plasma-45_Cluster_2223_sequences=29
SDS-V3-plasma-45_Cluster_2445_sequences=29
SDS-V3-plasma-45_Cluster_2528_sequences=29
SDS-V3-plasma-45_Cluster_5762_sequences=29
SDS-V3-plasma-45_Cluster_9169_sequences=29
SDS-V3-plasma-45_Cluster_4528_sequences=29
SDS-V3-plasma-45_Cluster_9136_sequences=29
SDS-V3-plasma-45_Cluster_13479_sequences=29
SDS-V3-plasma-45_Cluster_2613_sequences=29
SDS-V3-plasma-45_Cluster_11686_sequences=29
SDS-V3-plasma-45_Cluster_6481_sequences=29
SDS-V3-plasma-45_Cluster_9279_sequences=29
SDS-V3-plasma-45_Cluster_4226_sequences=29
SDS-V3-plasma-45_Cluster_4854_sequences=29
SDS-V3-plasma-45_Cluster_12747_sequences=29
SDS-V3-plasma-45_Cluster_18297_sequences=29
SDS-V3-plasma-45_Cluster_242_sequences=29
SDS-V3-plasma-45_Cluster_4024_sequences=29
SDS-V3-plasma-45_Cluster_11285_sequences=29
SDS-V3-plasma-45_Cluster_2428_sequences=29
SDS-V3-plasma-45_Cluster_3775_sequences=29
SDS-V3-plasma-45_Cluster_1640_sequences=29
SDS-V3-plasma-45_Cluster_2995_sequences=29
SDS-V3-plasma-45_Cluster_9862_sequences=29
SDS-V3-plasma-45_Cluster_189_sequences=29
SDS-V3-plasma-46_Cluster_11155_sequences=29
SDS-V3-plasma-46_Cluster_2626_sequences=29
SDS-V3-plasma-46_Cluster_4325_sequences=29
SDS-V3-plasma-46_Cluster_1532_sequences=29
SDS-V3-plasma-46_Cluster_458_sequences=29
SDS-V3-plasma-46_Cluster_1404_sequences=29
SDS-V3-plasma-46_Cluster_1086_sequences=29
SDS-V3-plasma-46_Cluster_3813_sequences=29
SDS-V3-plasma-46_Cluster_1171_sequences=29
SDS-V3-plasma-46_Cluster_3852_sequences=29
SDS-V3-plasma-46_Cluster_733_sequences=29
SDS-V3-plasma-46_Cluster_1818_sequences=29
SDS-V3-plasma-46_Cluster_532_sequences=29
SDS-V3-plasma-46_Cluster_1085_sequences=29
SDS-V3-plasma-46_Cluster_316_sequences=29
SDS-V3-plasma-46_Cluster_806_sequences=29
SDS-V3-plasma-46_Cluster_3927_sequences=29
SDS-V3-plasma-46_Cluster_8201_sequences=29
| Cluster Name                              | Sequences | 504 | 29 |
|------------------------------------------|-----------|-----|----|
| SDS-V3-plasma-67_Cluster_3035_sequences  | 29        | 504 | 29 |
| SDS-V3-plasma-67_Cluster_5276_sequences  | 29        | 504 | 29 |
| SDS-V3-plasma-67_Cluster_2211_sequences  | 29        | 504 | 29 |
| SDS-V3-plasma-67_Cluster_2644_sequences  | 29        | 504 | 29 |
| SDS-V3-plasma-67_Cluster_6292_sequences  | 29        | 504 | 29 |
| SDS-V3-plasma-67_Cluster_6857_sequences  | 29        | 504 | 29 |
| SDS-V3-plasma-67_Cluster_294_sequences    | 29        | 504 | 29 |
| SDS-V3-plasma-67_Cluster_10643_sequences | 29        | 504 | 29 |
| SDS-V3-plasma-67_Cluster_1766_sequences  | 29        | 504 | 29 |
| SDS-V3-plasma-67_Cluster_18111_sequences | 29        | 504 | 29 |
| SDS-V3-plasma-67_Cluster_4008_sequences   | 29        | 504 | 29 |
| SDS-V3-plasma-67_Cluster_2514_sequences  | 29        | 504 | 29 |
| SDS-V3-plasma-67_Cluster_5407_sequences  | 29        | 504 | 29 |
| SDS-V3-plasma-67_Cluster_4244_sequences  | 29        | 504 | 29 |
| SDS-V3-plasma-67_Cluster_2042_sequences  | 29        | 504 | 29 |
| SDS-V3-plasma-67_Cluster_158_sequences    | 29        | 504 | 29 |
| SDS-V3-plasma-67_Cluster_10422_sequences | 29        | 504 | 29 |
| SDS-V3-plasma-67_Cluster_10064_sequences | 29        | 504 | 29 |
| SDS-V3-plasma-67_Cluster_6415_sequences  | 29        | 504 | 29 |
| SDS-V3-plasma-67_Cluster_266_sequences    | 29        | 504 | 29 |
| SDS-V3-plasma-0_Cluster_1152_sequences    | 28        | 0   | 28 |
| SDS-V3-plasma-0_Cluster_822_sequences     | 28        | 0   | 28 |
| SDS-V3-plasma-0_Cluster_838_sequences     | 28        | 0   | 28 |
| SDS-V3-plasma-0_Cluster_928_sequences     | 28        | 0   | 28 |
| SDS-V3-plasma-0_Cluster_6003_sequences    | 28        | 0   | 28 |
| SDS-V3-plasma-0_Cluster_2792_sequences    | 28        | 0   | 28 |
| SDS-V3-plasma-0_Cluster_989_sequences     | 28        | 0   | 28 |
| SDS-V3-plasma-0_Cluster_2458_sequences    | 28        | 0   | 28 |
| SDS-V3-plasma-0_Cluster_5335_sequences    | 28        | 0   | 28 |
| SDS-V3-plasma-0_Cluster_1104_sequences    | 28        | 0   | 28 |
| SDS-V3-plasma-0_Cluster_2076_sequences    | 28        | 0   | 28 |
| SDS-V3-plasma-0_Cluster_26_sequences      | 28        | 0   | 28 |
| SDS-V3-plasma-0_Cluster_4458_sequences    | 28        | 0   | 28 |
| SDS-V3-plasma-0_Cluster_4892_sequences    | 28        | 0   | 28 |
| SDS-V3-plasma-0_Cluster_5471_sequences    | 28        | 0   | 28 |
| SDS-V3-plasma-0_Cluster_586_sequences     | 28        | 0   | 28 |
| SDS-V3-plasma-0_Cluster_602_sequences     | 28        | 0   | 28 |
| SDS-V3-plasma-0_Cluster_1100_sequences    | 28        | 0   | 28 |
| SDS-V3-plasma-0_Cluster_273_sequences     | 28        | 0   | 28 |
| SDS-V3-plasma-0_Cluster_4905_sequences    | 28        | 0   | 28 |
| SDS-V3-plasma-0_Cluster_7554_sequences    | 28        | 0   | 28 |
| SDS-V3-plasma-7_Cluster_1677_sequences    | 28        | 14  | 28 |
| SDS-V3-plasma-7_Cluster_383_sequences     | 28        | 14  | 28 |
| SDS-V3-plasma-7_Cluster_933_sequences     | 28        | 14  | 28 |
| SDS-V3-plasma-7_Cluster_863_sequences     | 28        | 14  | 28 |
SDS-V3-plasma-45_Cluster_6950_sequences=28 282 28
SDS-V3-plasma-45_Cluster_8498_sequences=28 282 28
SDS-V3-plasma-45_Cluster_9972_sequences=28 282 28
SDS-V3-plasma-45_Cluster_1537_sequences=28 282 28
SDS-V3-plasma-45_Cluster_7890_sequences=28 282 28
SDS-V3-plasma-45_Cluster_8817_sequences=28 282 28
SDS-V3-plasma-45_Cluster_10238_sequences=28 282 28
SDS-V3-plasma-45_Cluster_11162_sequences=28 282 28
SDS-V3-plasma-45_Cluster_593_sequences=28 282 28
SDS-V3-plasma-45_Cluster_1251_sequences=28 282 28
SDS-V3-plasma-45_Cluster_137_sequences=28 282 28
SDS-V3-plasma-45_Cluster_8672_sequences=28 282 28
SDS-V3-plasma-45_Cluster_1587_sequences=28 282 28
SDS-V3-plasma-45_Cluster_6650_sequences=28 282 28
SDS-V3-plasma-45_Cluster_5859_sequences=28 282 28
SDS-V3-plasma-45_Cluster_2224_sequences=28 282 28
SDS-V3-plasma-45_Cluster_4599_sequences=28 282 28
SDS-V3-plasma-45_Cluster_8922_sequences=28 282 28
SDS-V3-plasma-45_Cluster_5911_sequences=28 282 28
SDS-V3-plasma-45_Cluster_19887_sequences=28 282 28
SDS-V3-plasma-45_Cluster_18476_sequences=28 282 28
SDS-V3-plasma-45_Cluster_9022_sequences=28 282 28
SDS-V3-plasma-45_Cluster_10486_sequences=28 282 28
SDS-V3-plasma-45_Cluster_2868_sequences=28 282 28
SDS-V3-plasma-45_Cluster_1993_sequences=28 282 28
SDS-V3-plasma-45_Cluster_5512_sequences=28 282 28
SDS-V3-plasma-45_Cluster_2295_sequences=28 282 28
SDS-V3-plasma-45_Cluster_3170_sequences=28 282 28
SDS-V3-plasma-45_Cluster_537_sequences=28 282 28
SDS-V3-plasma-45_Cluster_5863_sequences=28 282 28
SDS-V3-plasma-45_Cluster_12830_sequences=28 282 28
SDS-V3-plasma-45_Cluster_1123_sequences=28 282 28
SDS-V3-plasma-45_Cluster_2791_sequences=28 282 28
SDS-V3-plasma-45_Cluster_5653_sequences=28 282 28
SDS-V3-plasma-45_Cluster_10281_sequences=28 282 28
SDS-V3-plasma-45_Cluster_16555_sequences=28 282 28
SDS-V3-plasma-45_Cluster_2565_sequences=28 282 28
SDS-V3-plasma-45_Cluster_4679_sequences=28 282 28
| Cluster Name                        | Sequences |
|------------------------------------|-----------|
| SDS-V3-plasma-45_Cluster_9441      | 282       |
| SDS-V3-plasma-45_Cluster_6268      | 282       |
| SDS-V3-plasma-45_Cluster_7880      | 282       |
| SDS-V3-plasma-45_Cluster_10362     | 282       |
| SDS-V3-plasma-45_Cluster_5298      | 282       |
| SDS-V3-plasma-45_Cluster_8736      | 282       |
| SDS-V3-plasma-45_Cluster_1255      | 286       |
| SDS-V3-plasma-45_Cluster_3568      | 286       |
| SDS-V3-plasma-45_Cluster_661       | 286       |
| SDS-V3-plasma-45_Cluster_3228      | 286       |
| SDS-V3-plasma-45_Cluster_969       | 286       |
| SDS-V3-plasma-45_Cluster_2796      | 286       |
| SDS-V3-plasma-46_Cluster_1224      | 286       |
| SDS-V3-plasma-46_Cluster_3865      | 286       |
| SDS-V3-plasma-46_Cluster_403       | 286       |
| SDS-V3-plasma-46_Cluster_929       | 286       |
| SDS-V3-plasma-46_Cluster_2875      | 286       |
| SDS-V3-plasma-67_Cluster_13186     | 504       |
| SDS-V3-plasma-67_Cluster_8556      | 504       |
| SDS-V3-plasma-67_Cluster_2631      | 504       |
| SDS-V3-plasma-67_Cluster_14267     | 504       |
| SDS-V3-plasma-67_Cluster_3624      | 504       |
| SDS-V3-plasma-67_Cluster_2380      | 504       |
| SDS-V3-plasma-67_Cluster_6607      | 504       |
| SDS-V3-plasma-67_Cluster_1617      | 504       |
| SDS-V3-plasma-67_Cluster_20040     | 504       |
| SDS-V3-plasma-67_Cluster_27107     | 504       |
| SDS-V3-plasma-67_Cluster_4288      | 504       |
| SDS-V3-plasma-67_Cluster_4752      | 504       |
| SDS-V3-plasma-67_Cluster_9164      | 504       |
| SDS-V3-plasma-67_Cluster_13296     | 504       |
| SDS-V3-plasma-67_Cluster_2790      | 504       |
| SDS-V3-plasma-67_Cluster_1406      | 504       |
| SDS-V3-plasma-67_Cluster_7655      | 504       |
| SDS-V3-plasma-67_Cluster_1194      | 504       |
| SDS-V3-plasma-67_Cluster_8742      | 504       |
| SDS-V3-plasma-67_Cluster_5013      | 504       |
| SDS-V3-plasma-67_Cluster_1253      | 504       |
| SDS-V3-plasma-67_Cluster_35746     | 504       |
| SDS-V3-plasma-67_Cluster_5257      | 27        |
| SDS-V3-plasma-67_Cluster_3202      | 27        |
| SDS-V3-plasma-67_Cluster_1638      | 27        |
| SDS-V3-plasma-67_Cluster_1243      | 27        |
| SDS-V3-plasma-67_Cluster_2919      | 27        |
| Cluster Name                                      | Sequences | 0  | 27 |
|--------------------------------------------------|-----------|----|----|
| SDS-V3-plasma-0_Cluster_3220_sequences=27        | 0         | 27 |
| SDS-V3-plasma-0_Cluster_3496_sequences=27        | 0         | 27 |
| SDS-V3-plasma-0_Cluster_37_sequences=27          | 0         | 27 |
| SDS-V3-plasma-0_Cluster_4378_sequences=27        | 0         | 27 |
| SDS-V3-plasma-0_Cluster_4801_sequences=27        | 0         | 27 |
| SDS-V3-plasma-0_Cluster_3602_sequences=27        | 0         | 27 |
| SDS-V3-plasma-0_Cluster_1044_sequences=27        | 0         | 27 |
| SDS-V3-plasma-0_Cluster_3760_sequences=27        | 0         | 27 |
| SDS-V3-plasma-0_Cluster_1121_sequences=27        | 0         | 27 |
| SDS-V3-plasma-0_Cluster_251_sequences=27         | 0         | 27 |
| SDS-V3-plasma-0_Cluster_5743_sequences=27        | 0         | 27 |
| SDS-V3-plasma-0_Cluster_1724_sequences=27        | 0         | 27 |
| SDS-V3-plasma-0_Cluster_3371_sequences=27        | 0         | 27 |
| SDS-V3-plasma-0_Cluster_4166_sequences=27        | 0         | 27 |
| SDS-V3-plasma-0_Cluster_4190_sequences=27        | 0         | 27 |
| SDS-V3-plasma-0_Cluster_5424_sequences=27        | 0         | 27 |
| SDS-V3-plasma-0_Cluster_6368_sequences=27        | 0         | 27 |
| SDS-V3-plasma-0_Cluster_2875_sequences=27        | 0         | 27 |
| SDS-V3-plasma-0_Cluster_1767_sequences=27        | 0         | 27 |
| SDS-V3-plasma-0_Cluster_5504_sequences=27        | 0         | 27 |
| SDS-V3-plasma-0_Cluster_491_sequences=27         | 0         | 27 |
| SDS-V3-plasma-0_Cluster_10364_sequences=27       | 0         | 27 |
| SDS-V3-plasma-0_Cluster_136_sequences=27         | 0         | 27 |
| SDS-V3-plasma-0_Cluster_262_sequences=27         | 0         | 27 |
| SDS-V3-plasma-0_Cluster_1622_sequences=27        | 0         | 27 |
| SDS-V3-plasma-5_Cluster_983_sequences=27         | 9         | 27 |
| SDS-V3-plasma-5_Cluster_64_sequences=27          | 9         | 27 |
| SDS-V3-plasma-5_Cluster_170_sequences=27         | 9         | 27 |
| SDS-V3-plasma-7_Cluster_602_sequences=27         | 14        | 27 |
| SDS-V3-plasma-7_Cluster_450_sequences=27         | 14        | 27 |
| SDS-V3-plasma-7_Cluster_2013_sequences=27        | 14        | 27 |
| SDS-V3-plasma-7_Cluster_407_sequences=27         | 14        | 27 |
| SDS-V3-plasma-7_Cluster_387_sequences=27         | 14        | 27 |
| SDS-V3-plasma-8_Cluster_4327_sequences=27        | 16        | 27 |
| SDS-V3-plasma-8_Cluster_2799_sequences=27        | 16        | 27 |
| SDS-V3-plasma-8_Cluster_3234_sequences=27        | 16        | 27 |
| SDS-V3-plasma-8_Cluster_3826_sequences=27        | 16        | 27 |
| SDS-V3-plasma-8_Cluster_2327_sequences=27        | 16        | 27 |
| SDS-V3-plasma-8_Cluster_4308_sequences=27        | 16        | 27 |
| SDS-V3-plasma-8_Cluster_2812_sequences=27        | 16        | 27 |
| SDS-V3-plasma-8_Cluster_2415_sequences=27        | 16        | 27 |
| SDS-V3-plasma-24_Cluster_1003_sequences=27       | 124       | 27 |
| SDS-V3-plasma-24_Cluster_112_sequences=27        | 124       | 27 |
| SDS-V3-plasma-24_Cluster_1295_sequences=27       | 124       | 27 |
| SDS-V3-plasma-24_Cluster_1589_sequences=27       | 124       | 27 |
| Cluster Name                                      | Sequences | Unique ID |
|--------------------------------------------------|-----------|-----------|
| SDS-V3-plasma-24_Cluster_1675_sequences          | 124       | 27        |
| SDS-V3-plasma-24_Cluster_203_sequences           | 124       | 27        |
| SDS-V3-plasma-24_Cluster_2418_sequences          | 124       | 27        |
| SDS-V3-plasma-24_Cluster_2634_sequences          | 124       | 27        |
| SDS-V3-plasma-24_Cluster_2939_sequences          | 124       | 27        |
| SDS-V3-plasma-24_Cluster_404_sequences           | 124       | 27        |
| SDS-V3-plasma-24_Cluster_453_sequences           | 124       | 27        |
| SDS-V3-plasma-24_Cluster_620_sequences           | 124       | 27        |
| SDS-V3-plasma-24_Cluster_9_sequences             | 124       | 27        |
| SDS-V3-plasma-24_Cluster_1184_sequences          | 124       | 27        |
| SDS-V3-plasma-24_Cluster_273_sequences           | 124       | 27        |
| SDS-V3-plasma-24_Cluster_706_sequences           | 124       | 27        |
| SDS-V3-plasma-24_Cluster_1491_sequences          | 124       | 27        |
| SDS-V3-plasma-24_Cluster_2534_sequences          | 124       | 27        |
| SDS-V3-plasma-24_Cluster_2216_sequences          | 124       | 27        |
| SDS-V3-plasma-27_Cluster_1722_sequences          | 131       | 27        |
| SDS-V3-plasma-27_Cluster_2271_sequences          | 131       | 27        |
| SDS-V3-plasma-27_Cluster_2849_sequences          | 131       | 27        |
| SDS-V3-plasma-27_Cluster_638_sequences           | 131       | 27        |
| SDS-V3-plasma-27_Cluster_702_sequences           | 131       | 27        |
| SDS-V3-plasma-27_Cluster_829_sequences           | 131       | 27        |
| SDS-V3-plasma-27_Cluster_896_sequences           | 131       | 27        |
| SDS-V3-plasma-27_Cluster_89_sequences            | 131       | 27        |
| SDS-V3-plasma-27_Cluster_2147_sequences          | 131       | 27        |
| SDS-V3-plasma-27_Cluster_1721_sequences          | 131       | 27        |
| SDS-V3-plasma-45_Cluster_7788_sequences          | 282       | 27        |
| SDS-V3-plasma-45_Cluster_20180_sequences         | 282       | 27        |
| SDS-V3-plasma-45_Cluster_3913_sequences          | 282       | 27        |
| SDS-V3-plasma-45_Cluster_13991_sequences         | 282       | 27        |
| SDS-V3-plasma-45_Cluster_22018_sequences         | 282       | 27        |
| SDS-V3-plasma-45_Cluster_2217_sequences          | 282       | 27        |
| SDS-V3-plasma-45_Cluster_2435_sequences          | 282       | 27        |
| SDS-V3-plasma-45_Cluster_4971_sequences          | 282       | 27        |
| SDS-V3-plasma-45_Cluster_6772_sequences          | 282       | 27        |
| SDS-V3-plasma-45_Cluster_8753_sequences          | 282       | 27        |
| SDS-V3-plasma-45_Cluster_6562_sequences          | 282       | 27        |
| SDS-V3-plasma-45_Cluster_23706_sequences         | 282       | 27        |
| SDS-V3-plasma-45_Cluster_116_sequences           | 282       | 27        |
| SDS-V3-plasma-45_Cluster_2201_sequences          | 282       | 27        |
| SDS-V3-plasma-45_Cluster_6217_sequences          | 282       | 27        |
| SDS-V3-plasma-45_Cluster_986_sequences           | 282       | 27        |
| SDS-V3-plasma-45_Cluster_2427_sequences          | 282       | 27        |
| SDS-V3-plasma-45_Cluster_2737_sequences          | 282       | 27        |
| SDS-V3-plasma-45_Cluster_888_sequences           | 282       | 27        |
| SDS-V3-plasma-45_Cluster_4544_sequences          | 282       | 27        |
SDS-V3-plasma-45_Cluster_4491_sequences=27
SDS-V3-plasma-45_Cluster_4582_sequences=27
SDS-V3-plasma-45_Cluster_753_sequences=27
SDS-V3-plasma-45_Cluster_4892_sequences=27
SDS-V3-plasma-45_Cluster_19525_sequences=27
SDS-V3-plasma-45_Cluster_5781_sequences=27
SDS-V3-plasma-45_Cluster_3098_sequences=27
SDS-V3-plasma-45_Cluster_4052_sequences=27
SDS-V3-plasma-45_Cluster_5307_sequences=27
SDS-V3-plasma-45_Cluster_19525_sequences=27
SDS-V3-plasma-45_Cluster_5781_sequences=27
SDS-V3-plasma-45_Cluster_3098_sequences=27
SDS-V3-plasma-45_Cluster_4052_sequences=27
SDS-V3-plasma-45_Cluster_5307_sequences=27
SDS-V3-plasma-45_Cluster_12985_sequences=27
SDS-V3-plasma-45_Cluster_4576_sequences=27
SDS-V3-plasma-45_Cluster_3765_sequences=27
SDS-V3-plasma-45_Cluster_3790_sequences=27
SDS-V3-plasma-45_Cluster_12126_sequences=27
SDS-V3-plasma-45_Cluster_11163_sequences=27
SDS-V3-plasma-45_Cluster_722_sequences=27
SDS-V3-plasma-45_Cluster_528_sequences=27
SDS-V3-plasma-45_Cluster_1892_sequences=27
SDS-V3-plasma-45_Cluster_1885_sequences=27
SDS-V3-plasma-45_Cluster_14374_sequences=27
SDS-V3-plasma-45_Cluster_7720_sequences=27
SDS-V3-plasma-45_Cluster_9149_sequences=27
SDS-V3-plasma-45_Cluster_2186_sequences=27
SDS-V3-plasma-45_Cluster_3233_sequences=27
SDS-V3-plasma-45_Cluster_2283_sequences=27
SDS-V3-plasma-45_Cluster_1036_sequences=27
SDS-V3-plasma-45_Cluster_3059_sequences=27
SDS-V3-plasma-45_Cluster_3307_sequences=27
SDS-V3-plasma-67_Cluster_6428_sequences=27
SDS-V3-plasma-67_Cluster_782_sequences=27
SDS-V3-plasma-67_Cluster_8166_sequences=27
SDS-V3-plasma-67_Cluster_13589_sequences=27
SDS-V3-plasma-67_Cluster_424_sequences=27
| Sequence Cluster                        | Sequences | Identifier | Value |
|----------------------------------------|-----------|------------|-------|
| SDS-V3-plasma-8_Cluster_125           | 26        | sequences  | 16    |
| SDS-V3-plasma-8_Cluster_3979          | 26        | sequences  | 16    |
| SDS-V3-plasma-8_Cluster_3011          | 26        | sequences  | 16    |
| SDS-V3-plasma-8_Cluster_3185          | 26        | sequences  | 16    |
| SDS-V3-plasma-8_Cluster_3698          | 26        | sequences  | 16    |
| SDS-V3-plasma-24_Cluster_1009         | 26        | sequences  | 16    |
| SDS-V3-plasma-24_Cluster_1191         | 26        | sequences  | 16    |
| SDS-V3-plasma-24_Cluster_1193         | 26        | sequences  | 16    |
| SDS-V3-plasma-24_Cluster_1721         | 26        | sequences  | 16    |
| SDS-V3-plasma-24_Cluster_2597         | 26        | sequences  | 16    |
| SDS-V3-plasma-24_Cluster_416           | 26        | sequences  | 16    |
| SDS-V3-plasma-24_Cluster_726           | 26        | sequences  | 16    |
| SDS-V3-plasma-24_Cluster_729           | 26        | sequences  | 16    |
| SDS-V3-plasma-24_Cluster_496           | 26        | sequences  | 16    |
| SDS-V3-plasma-24_Cluster_2472         | 26        | sequences  | 16    |
| SDS-V3-plasma-24_Cluster_123           | 26        | sequences  | 16    |
| SDS-V3-plasma-27_Cluster_1532         | 26        | sequences  | 16    |
| SDS-V3-plasma-27_Cluster_1677         | 26        | sequences  | 16    |
| SDS-V3-plasma-27_Cluster_1720         | 26        | sequences  | 16    |
| SDS-V3-plasma-27_Cluster_73            | 26        | sequences  | 16    |
| SDS-V3-plasma-27_Cluster_1692         | 26        | sequences  | 16    |
| SDS-V3-plasma-45_Cluster_2180         | 26        | sequences  | 282   |
| SDS-V3-plasma-45_Cluster_18573        | 26        | sequences  | 282   |
| SDS-V3-plasma-45_Cluster_4340         | 26        | sequences  | 282   |
| SDS-V3-plasma-45_Cluster_3989         | 26        | sequences  | 282   |
| SDS-V3-plasma-45_Cluster_11658        | 26        | sequences  | 282   |
| SDS-V3-plasma-45_Cluster_5588         | 26        | sequences  | 282   |
| SDS-V3-plasma-45_Cluster_644          | 26        | sequences  | 282   |
| SDS-V3-plasma-45_Cluster_3348         | 26        | sequences  | 282   |
| SDS-V3-plasma-45_Cluster_8634         | 26        | sequences  | 282   |
| SDS-V3-plasma-45_Cluster_10889        | 26        | sequences  | 282   |
| SDS-V3-plasma-45_Cluster_6768         | 26        | sequences  | 282   |
| SDS-V3-plasma-45_Cluster_1253         | 26        | sequences  | 282   |
| SDS-V3-plasma-45_Cluster_6073         | 26        | sequences  | 282   |
| SDS-V3-plasma-45_Cluster_6999         | 26        | sequences  | 282   |
| SDS-V3-plasma-45_Cluster_7350         | 26        | sequences  | 282   |
| SDS-V3-plasma-45_Cluster_6509         | 26        | sequences  | 282   |
| SDS-V3-plasma-45_Cluster_13526        | 26        | sequences  | 282   |
| SDS-V3-plasma-45_Cluster_3607         | 26        | sequences  | 282   |
| SDS-V3-plasma-45_Cluster_14956        | 26        | sequences  | 282   |
| SDS-V3-plasma-45_Cluster_9072         | 26        | sequences  | 282   |
| SDS-V3-plasma-45_Cluster_4788         | 26        | sequences  | 282   |
| SDS-V3-plasma-45_Cluster_2832         | 26        | sequences  | 282   |
| SDS-V3-plasma-45_Cluster_3218         | 26        | sequences  | 282   |
| SDS-V3-plasma-45_Cluster_4668         | 26        | sequences  | 282   |
| Cluster Name | Sequences |
|--------------|-----------|
| SDS-V3-plasma-45_Cluster_4823 | 26 |
| SDS-V3-plasma-45_Cluster_6252 | 26 |
| SDS-V3-plasma-45_Cluster_6105 | 26 |
| SDS-V3-plasma-45_Cluster_2229 | 26 |
| SDS-V3-plasma-45_Cluster_4490 | 26 |
| SDS-V3-plasma-45_Cluster_118 | 26 |
| SDS-V3-plasma-45_Cluster_1484 | 26 |
| SDS-V3-plasma-45_Cluster_24442 | 26 |
| SDS-V3-plasma-45_Cluster_15637 | 26 |
| SDS-V3-plasma-45_Cluster_6663 | 26 |
| SDS-V3-plasma-45_Cluster_2242 | 26 |
| SDS-V3-plasma-45_Cluster_6946 | 26 |
| SDS-V3-plasma-45_Cluster_6353 | 26 |
| SDS-V3-plasma-45_Cluster_2134 | 26 |
| SDS-V3-plasma-45_Cluster_477 | 26 |
| SDS-V3-plasma-45_Cluster_3717 | 26 |
| SDS-V3-plasma-45_Cluster_744 | 26 |
| SDS-V3-plasma-45_Cluster_2118 | 26 |
| SDS-V3-plasma-45_Cluster_3273 | 26 |
| SDS-V3-plasma-45_Cluster_13346 | 26 |
| SDS-V3-plasma-45_Cluster_1153 | 26 |
| SDS-V3-plasma-45_Cluster_3737 | 26 |
| SDS-V3-plasma-45_Cluster_5094 | 26 |
| SDS-V3-plasma-45_Cluster_1445 | 26 |
| SDS-V3-plasma-45_Cluster_21503 | 26 |
| SDS-V3-plasma-45_Cluster_49 | 26 |
| SDS-V3-plasma-45_Cluster_2921 | 26 |
| SDS-V3-plasma-45_Cluster_6610 | 26 |
| SDS-V3-plasma-45_Cluster_107 | 26 |
| SDS-V3-plasma-45_Cluster_2032 | 26 |
| SDS-V3-plasma-45_Cluster_3288 | 26 |
| SDS-V3-plasma-45_Cluster_741 | 26 |
| SDS-V3-plasma-45_Cluster_9903 | 26 |
| SDS-V3-plasma-45_Cluster_4281 | 26 |
| SDS-V3-plasma-45_Cluster_1700 | 26 |
| SDS-V3-plasma-45_Cluster_5428 | 26 |
| SDS-V3-plasma-45_Cluster_812 | 26 |
| SDS-V3-plasma-45_Cluster_121 | 26 |
| SDS-V3-plasma-45_Cluster_3800 | 26 |
| Cluster Name                                      | Sequences | Coverage |
|--------------------------------------------------|-----------|----------|
| SDS-V3-plasma-46_Cluster_6820                    | 286       | 26       |
| SDS-V3-plasma-46_Cluster_5489                    | 286       | 26       |
| SDS-V3-plasma-46_Cluster_494                     | 286       | 26       |
| SDS-V3-plasma-46_Cluster_472                     | 286       | 26       |
| SDS-V3-plasma-46_Cluster_3177                    | 286       | 26       |
| SDS-V3-plasma-67_Cluster_4610                    | 504       | 26       |
| SDS-V3-plasma-67_Cluster_13721                   | 504       | 26       |
| SDS-V3-plasma-67_Cluster_6409                    | 504       | 26       |
| SDS-V3-plasma-67_Cluster_10882                   | 504       | 26       |
| SDS-V3-plasma-67_Cluster_560                     | 504       | 26       |
| SDS-V3-plasma-67_Cluster_3295                    | 504       | 26       |
| SDS-V3-plasma-67_Cluster_957                     | 504       | 26       |
| SDS-V3-plasma-67_Cluster_5844                    | 504       | 26       |
| SDS-V3-plasma-67_Cluster_3895                    | 504       | 26       |
| SDS-V3-plasma-67_Cluster_2971                    | 504       | 26       |
| SDS-V3-plasma-67_Cluster_5006                    | 504       | 26       |
| SDS-V3-plasma-67_Cluster_2579                    | 504       | 26       |
| SDS-V3-plasma-67_Cluster_10961                   | 504       | 26       |
| SDS-V3-plasma-67_Cluster_15232                   | 504       | 26       |
| SDS-V3-plasma-67_Cluster_1761                    | 504       | 26       |
| SDS-V3-plasma-67_Cluster_22297                   | 504       | 26       |
| SDS-V3-plasma-67_Cluster_2940                    | 504       | 26       |
| SDS-V3-plasma-67_Cluster_299                     | 504       | 26       |
| SDS-V3-plasma-67_Cluster_3954                    | 504       | 26       |
| SDS-V3-plasma-67_Cluster_5413                    | 504       | 26       |
| SDS-V3-plasma-67_Cluster_641                     | 504       | 26       |
| SDS-V3-plasma-67_Cluster_7779                    | 504       | 26       |
| SDS-V3-plasma-67_Cluster_3944                    | 504       | 26       |
| SDS-V3-plasma-67_Cluster_4312                    | 504       | 26       |
| SDS-V3-plasma-67_Cluster_12726                   | 504       | 26       |
| SDS-V3-plasma-67_Cluster_1914                    | 504       | 26       |
| SDS-V3-plasma-67_Cluster_9094                    | 504       | 26       |
| SDS-V3-plasma-67_Cluster_22668                   | 504       | 26       |
| SDS-V3-plasma-67_Cluster_5323                    | 504       | 26       |
| SDS-V3-plasma-67_Cluster_9968                    | 504       | 26       |
| SDS-V3-plasma-67_Cluster_15147                   | 504       | 26       |
| SDS-V3-plasma-67_Cluster_7289                    | 504       | 26       |
| SDS-V3-plasma-0_Cluster_363                      | 0         | 25       |
| SDS-V3-plasma-0_Cluster_3451                    | 0         | 25       |
| SDS-V3-plasma-0_Cluster_1738                    | 0         | 25       |
| SDS-V3-plasma-0_Cluster_214                      | 0         | 25       |
| SDS-V3-plasma-0_Cluster_654                      | 0         | 25       |
| SDS-V3-plasma-0_Cluster_6625                    | 0         | 25       |
| SDS-V3-plasma-0_Cluster_560                      | 0         | 25       |
| SDS-V3-plasma-0_Cluster_404                      | 0         | 25       |
| Description                                           | Value 1 | Value 2 |
|-------------------------------------------------------|---------|---------|
| SDS-V3-plasma-0_Cluster_2482_sequences                | 0       | 25      |
| SDS-V3-plasma-0_Cluster_2287_sequences                | 0       | 25      |
| SDS-V3-plasma-0_Cluster_2337_sequences                | 0       | 25      |
| SDS-V3-plasma-0_Cluster_1063_sequences                | 0       | 25      |
| SDS-V3-plasma-0_Cluster_188_sequences                 | 0       | 25      |
| SDS-V3-plasma-0_Cluster_113_sequences                 | 0       | 25      |
| SDS-V3-plasma-0_Cluster_2057_sequences                | 0       | 25      |
| SDS-V3-plasma-0_Cluster_2270_sequences                | 0       | 25      |
| SDS-V3-plasma-0_Cluster_233_sequences                 | 0       | 25      |
| SDS-V3-plasma-0_Cluster_3305_sequences                | 0       | 25      |
| SDS-V3-plasma-0_Cluster_4163_sequences                | 0       | 25      |
| SDS-V3-plasma-0_Cluster_5609_sequences                | 0       | 25      |
| SDS-V3-plasma-0_Cluster_1815_sequences                | 0       | 25      |
| SDS-V3-plasma-0_Cluster_9586_sequences                | 0       | 25      |
| SDS-V3-plasma-0_Cluster_2136_sequences                | 0       | 25      |
| SDS-V3-plasma-0_Cluster_3306_sequences                | 0       | 25      |
| SDS-V3-plasma-5_Cluster_160_sequences                 | 9       | 25      |
| SDS-V3-plasma-5_Cluster_219_sequences                 | 9       | 25      |
| SDS-V3-plasma-5_Cluster_24_sequences                  | 9       | 25      |
| SDS-V3-plasma-7_Cluster_121_sequences                 | 14      | 25      |
| SDS-V3-plasma-7_Cluster_184_sequences                 | 14      | 25      |
| SDS-V3-plasma-7_Cluster_984_sequences                 | 14      | 25      |
| SDS-V3-plasma-7_Cluster_8023_sequences                | 14      | 25      |
| SDS-V3-plasma-7_Cluster_221_sequences                 | 14      | 25      |
| SDS-V3-plasma-7_Cluster_819_sequences                 | 14      | 25      |
| SDS-V3-plasma-8_Cluster_8_sequences                   | 16      | 25      |
| SDS-V3-plasma-8_Cluster_2679_sequences                | 16      | 25      |
| SDS-V3-plasma-8_Cluster_2599_sequences                | 16      | 25      |
| SDS-V3-plasma-8_Cluster_2832_sequences                | 16      | 25      |
| SDS-V3-plasma-8_Cluster_2884_sequences                | 16      | 25      |
| SDS-V3-plasma-8_Cluster_2928_sequences                | 16      | 25      |
| SDS-V3-plasma-8_Cluster_2575_sequences                | 16      | 25      |
| SDS-V3-plasma-8_Cluster_3024_sequences                | 16      | 25      |
| SDS-V3-plasma-8_Cluster_3911_sequences                | 16      | 25      |
| SDS-V3-plasma-24_Cluster_1469_sequences               | 124     | 25      |
| SDS-V3-plasma-24_Cluster_1492_sequences               | 124     | 25      |
| SDS-V3-plasma-24_Cluster_1647_sequences               | 124     | 25      |
| SDS-V3-plasma-24_Cluster_1887_sequences               | 124     | 25      |
| SDS-V3-plasma-24_Cluster_53_sequences                 | 124     | 25      |
| SDS-V3-plasma-24_Cluster_1412_sequences               | 124     | 25      |
| SDS-V3-plasma-24_Cluster_484_sequences                | 124     | 25      |
| SDS-V3-plasma-24_Cluster_991_sequences                | 124     | 25      |
| SDS-V3-plasma-24_Cluster_41_sequences                 | 124     | 25      |
| SDS-V3-plasma-27_Cluster_115_sequences                | 131     | 25      |
| SDS-V3-plasma-27_Cluster_159_sequences                | 131     | 25      |
| Cluster ID                      | Sequences | 131  | 25 |
|--------------------------------|-----------|------|----|
| SDS-V3-plasma-27_Cluster_1655 | 131       | 25   |
| SDS-V3-plasma-27_Cluster_201  | 131       | 25   |
| SDS-V3-plasma-27_Cluster_3659 | 131       | 25   |
| SDS-V3-plasma-27_Cluster_5349 | 131       | 25   |
| SDS-V3-plasma-27_Cluster_821  | 131       | 25   |
| SDS-V3-plasma-27_Cluster_983  | 131       | 25   |
| SDS-V3-plasma-27_Cluster_3411 | 131       | 25   |
| SDS-V3-plasma-27_Cluster_1599 | 131       | 25   |
| SDS-V3-plasma-27_Cluster_309  | 131       | 25   |
| SDS-V3-plasma-27_Cluster_1435 | 131       | 25   |
| SDS-V3-plasma-27_Cluster_1358 | 131       | 25   |
| SDS-V3-plasma-27_Cluster_1869 | 131       | 25   |
| SDS-V3-plasma-27_Cluster_523  | 131       | 25   |
| SDS-V3-plasma-27_Cluster_3982 | 131       | 25   |
| SDS-V3-plasma-27_Cluster_2448 | 131       | 25   |
| SDS-V3-plasma-45_Cluster_9428 | 282       | 25   |
| SDS-V3-plasma-45_Cluster_15531| 282       | 25   |
| SDS-V3-plasma-45_Cluster_625  | 282       | 25   |
| SDS-V3-plasma-45_Cluster_3244 | 282       | 25   |
| SDS-V3-plasma-45_Cluster_4285 | 282       | 25   |
| SDS-V3-plasma-45_Cluster_8232 | 282       | 25   |
| SDS-V3-plasma-45_Cluster_8818 | 282       | 25   |
| SDS-V3-plasma-45_Cluster_10097| 282       | 25   |
| SDS-V3-plasma-45_Cluster_1515 | 282       | 25   |
| SDS-V3-plasma-45_Cluster_8706 | 282       | 25   |
| SDS-V3-plasma-45_Cluster_12524| 282       | 25   |
| SDS-V3-plasma-45_Cluster_14935| 282       | 25   |
| SDS-V3-plasma-45_Cluster_10099| 282       | 25   |
| SDS-V3-plasma-45_Cluster_1231 | 282       | 25   |
| SDS-V3-plasma-45_Cluster_12933| 282       | 25   |
| SDS-V3-plasma-45_Cluster_13001| 282       | 25   |
| SDS-V3-plasma-45_Cluster_1941 | 282       | 25   |
| SDS-V3-plasma-45_Cluster_3108 | 282       | 25   |
| SDS-V3-plasma-45_Cluster_3301 | 282       | 25   |
| SDS-V3-plasma-45_Cluster_4136 | 282       | 25   |
| SDS-V3-plasma-45_Cluster_4170 | 282       | 25   |
| SDS-V3-plasma-45_Cluster_2226 | 282       | 25   |
| SDS-V3-plasma-45_Cluster_10978| 282       | 25   |
| SDS-V3-plasma-45_Cluster_3549 | 282       | 25   |
| SDS-V3-plasma-45_Cluster_12563| 282       | 25   |
| SDS-V3-plasma-45_Cluster_13640| 282       | 25   |
| SDS-V3-plasma-45_Cluster_6263 | 282       | 25   |
| SDS-V3-plasma-45_Cluster_26517| 282       | 25   |
| SDS-V3-plasma-45_Cluster_3403 | 282       | 25   |
| SDS-V3-plasma-45_Cluster_10949| 282       | 25   |
| SDS-V3-plasma-45_Cluster_2961 | 282       | 25   |
| Cluster Name                               | Sequences | Length | Depth |
|-------------------------------------------|-----------|--------|-------|
| SDS-V3-plasma-45_Cluster_1831_sequences   | 25        | 282    | 25    |
| SDS-V3-plasma-45_Cluster_2394_sequences   | 25        | 282    | 25    |
| SDS-V3-plasma-45_Cluster_19978_sequences  | 25        | 282    | 25    |
| SDS-V3-plasma-45_Cluster_17343_sequences  | 25        | 282    | 25    |
| SDS-V3-plasma-45_Cluster_2954_sequences   | 25        | 282    | 25    |
| SDS-V3-plasma-45_Cluster_3520_sequences   | 25        | 282    | 25    |
| SDS-V3-plasma-45_Cluster_20012_sequences  | 25        | 282    | 25    |
| SDS-V3-plasma-45_Cluster_645_sequences    | 25        | 282    | 25    |
| SDS-V3-plasma-45_Cluster_3490_sequences   | 25        | 282    | 25    |
| SDS-V3-plasma-45_Cluster_17617_sequences  | 25        | 282    | 25    |
| SDS-V3-plasma-45_Cluster_5463_sequences   | 25        | 282    | 25    |
| SDS-V3-plasma-45_Cluster_5916_sequences   | 25        | 282    | 25    |
| SDS-V3-plasma-45_Cluster_2675_sequences   | 25        | 282    | 25    |
| SDS-V3-plasma-45_Cluster_5311_sequences   | 25        | 282    | 25    |
| SDS-V3-plasma-45_Cluster_10960_sequences  | 25        | 282    | 25    |
| SDS-V3-plasma-45_Cluster_1243_sequences   | 25        | 282    | 25    |
| SDS-V3-plasma-45_Cluster_1977_sequences   | 25        | 282    | 25    |
| SDS-V3-plasma-45_Cluster_10545_sequences  | 25        | 282    | 25    |
| SDS-V3-plasma-45_Cluster_25868_sequences  | 25        | 282    | 25    |
| SDS-V3-plasma-45_Cluster_709_sequences    | 25        | 282    | 25    |
| SDS-V3-plasma-45_Cluster_16632_sequences  | 25        | 282    | 25    |
| SDS-V3-plasma-45_Cluster_4753_sequences   | 25        | 282    | 25    |
| SDS-V3-plasma-45_Cluster_4979_sequences   | 25        | 282    | 25    |
| SDS-V3-plasma-45_Cluster_7546_sequences   | 25        | 282    | 25    |
| SDS-V3-plasma-45_Cluster_7651_sequences   | 25        | 282    | 25    |
| SDS-V3-plasma-45_Cluster_12946_sequences  | 25        | 282    | 25    |
| SDS-V3-plasma-45_Cluster_4994_sequences   | 25        | 282    | 25    |
| SDS-V3-plasma-46_Cluster_2645_sequences   | 25        | 286    | 25    |
| SDS-V3-plasma-46_Cluster_3398_sequences   | 25        | 286    | 25    |
| SDS-V3-plasma-46_Cluster_12582_sequences  | 25        | 286    | 25    |
| SDS-V3-plasma-46_Cluster_4781_sequences   | 25        | 286    | 25    |
| SDS-V3-plasma-46_Cluster_1105_sequences   | 25        | 286    | 25    |
| SDS-V3-plasma-46_Cluster_2708_sequences   | 25        | 286    | 25    |
| SDS-V3-plasma-46_Cluster_175_sequences    | 25        | 286    | 25    |
| SDS-V3-plasma-46_Cluster_858_sequences    | 25        | 286    | 25    |
| SDS-V3-plasma-46_Cluster_1711_sequences   | 25        | 286    | 25    |
| SDS-V3-plasma-46_Cluster_2697_sequences   | 25        | 286    | 25    |
| SDS-V3-plasma-46_Cluster_3083_sequences   | 25        | 286    | 25    |
| SDS-V3-plasma-46_Cluster_3520_sequences   | 25        | 286    | 25    |
| SDS-V3-plasma-46_Cluster_4162_sequences   | 25        | 286    | 25    |
| Cluster Name                              | Sequences | Length | Identity |
|-------------------------------------------|------------|--------|----------|
| SDS-V3-plasma-46_Cluster_1607_sequences   | 25         | 286    | 25       |
| SDS-V3-plasma-46_Cluster_515_sequences    | 25         | 286    | 25       |
| SDS-V3-plasma-46_Cluster_4245_sequences   | 25         | 286    | 25       |
| SDS-V3-plasma-46_Cluster_1123_sequences   | 25         | 286    | 25       |
| SDS-V3-plasma-46_Cluster_7000_sequences   | 25         | 286    | 25       |
| SDS-V3-plasma-46_Cluster_497_sequences    | 25         | 286    | 25       |
| SDS-V3-plasma-46_Cluster_4560_sequences   | 25         | 286    | 25       |
| SDS-V3-plasma-46_Cluster_14401_sequences  | 25         | 286    | 25       |
| SDS-V3-plasma-46_Cluster_1179_sequences   | 25         | 504    | 25       |
| SDS-V3-plasma-67_Cluster_3140_sequences   | 25         | 504    | 25       |
| SDS-V3-plasma-67_Cluster_1129_sequences   | 25         | 504    | 25       |
| SDS-V3-plasma-67_Cluster_12269_sequences  | 25         | 504    | 25       |
| SDS-V3-plasma-67_Cluster_6895_sequences   | 25         | 504    | 25       |
| SDS-V3-plasma-67_Cluster_2293_sequences   | 25         | 504    | 25       |
| SDS-V3-plasma-67_Cluster_13659_sequences  | 25         | 504    | 25       |
| SDS-V3-plasma-67_Cluster_5340_sequences   | 25         | 504    | 25       |
| SDS-V3-plasma-67_Cluster_3344_sequences   | 25         | 504    | 25       |
| SDS-V3-plasma-67_Cluster_2527_sequences   | 25         | 504    | 25       |
| SDS-V3-plasma-67_Cluster_25711_sequences  | 25         | 504    | 25       |
| SDS-V3-plasma-67_Cluster_8858_sequences   | 25         | 504    | 25       |
| SDS-V3-plasma-67_Cluster_9211_sequences   | 25         | 504    | 25       |
| SDS-V3-plasma-67_Cluster_4319_sequences   | 25         | 504    | 25       |
| SDS-V3-plasma-67_Cluster_9946_sequences   | 25         | 504    | 25       |
| SDS-V3-plasma-67_Cluster_4944_sequences   | 25         | 504    | 25       |
| SDS-V3-plasma-67_Cluster_809_sequences    | 25         | 504    | 25       |
| SDS-V3-plasma-67_Cluster_17206_sequences  | 25         | 504    | 25       |
| SDS-V3-plasma-67_Cluster_1815_sequences   | 25         | 504    | 25       |
| SDS-V3-plasma-67_Cluster_5243_sequences   | 25         | 504    | 25       |
| SDS-V3-plasma-67_Cluster_5815_sequences   | 25         | 504    | 25       |
| SDS-V3-plasma-67_Cluster_58_sequences     | 25         | 504    | 25       |
| SDS-V3-plasma-67_Cluster_6042_sequences   | 25         | 504    | 25       |
| SDS-V3-plasma-67_Cluster_6922_sequences   | 25         | 504    | 25       |
| SDS-V3-plasma-67_Cluster_8801_sequences   | 25         | 504    | 25       |
| SDS-V3-plasma-67_Cluster_9542_sequences   | 25         | 504    | 25       |
| SDS-V3-plasma-67_Cluster_9621_sequences   | 25         | 504    | 25       |
| SDS-V3-plasma-67_Cluster_15776_sequences  | 25         | 504    | 25       |
| SDS-V3-plasma-67_Cluster_3938_sequences   | 25         | 504    | 25       |
| SDS-V3-plasma-67_Cluster_1338_sequences   | 25         | 504    | 25       |
| SDS-V3-plasma-67_Cluster_7488_sequences   | 25         | 504    | 25       |
| SDS-V3-plasma-67_Cluster_6679_sequences   | 25         | 504    | 25       |
| SDS-V3-plasma-67_Cluster_10664_sequences  | 25         | 504    | 25       |
| SDS-V3-plasma-67_Cluster_15987_sequences  | 25         | 504    | 25       |
| SDS-V3-plasma-67_Cluster_5653_sequences   | 25         | 504    | 25       |
| SDS-V3-plasma-67_Cluster_4748_sequences   | 25         | 504    | 25       |
| SDS-V3-plasma-67_Cluster_11321_sequences  | 25         | 504    | 25       |
| SDS-V3-plasma-67_Cluster_12809_sequences=25 | 504 | 25 |
| SDS-V3-plasma-67_Cluster_14716_sequences=25 | 504 | 25 |
| SDS-V3-plasma-67_Cluster_3671_sequences=25 | 504 | 25 |
| SDS-V3-plasma-67_Cluster_3255_sequences=25 | 504 | 25 |
| SDS-V3-plasma-0_Cluster_3437_sequences=24 | 0 | 24 |
| SDS-V3-plasma-0_Cluster_3462_sequences=24 | 0 | 24 |
| SDS-V3-plasma-0_Cluster_1423_sequences=24 | 0 | 24 |
| SDS-V3-plasma-0_Cluster_1134_sequences=24 | 0 | 24 |
| SDS-V3-plasma-0_Cluster_1436_sequences=24 | 0 | 24 |
| SDS-V3-plasma-0_Cluster_1467_sequences=24 | 0 | 24 |
| SDS-V3-plasma-0_Cluster_4303_sequences=24 | 0 | 24 |
| SDS-V3-plasma-0_Cluster_1611_sequences=24 | 0 | 24 |
| SDS-V3-plasma-0_Cluster_10112_sequences=24 | 0 | 24 |
| SDS-V3-plasma-0_Cluster_1327_sequences=24 | 0 | 24 |
| SDS-V3-plasma-0_Cluster_1482_sequences=24 | 0 | 24 |
| SDS-V3-plasma-0_Cluster_169_sequences=24 | 0 | 24 |
| SDS-V3-plasma-0_Cluster_872_sequences=24 | 0 | 24 |
| SDS-V3-plasma-0_Cluster_969_sequences=24 | 0 | 24 |
| SDS-V3-plasma-0_Cluster_6983_sequences=24 | 0 | 24 |
| SDS-V3-plasma-0_Cluster_6231_sequences=24 | 0 | 24 |
| SDS-V3-plasma-0_Cluster_151_sequences=24 | 0 | 24 |
| SDS-V3-plasma-0_Cluster_5214_sequences=24 | 0 | 24 |
| SDS-V3-plasma-0_Cluster_3088_sequences=24 | 0 | 24 |
| SDS-V3-plasma-0_Cluster_2011_sequences=24 | 0 | 24 |
| SDS-V3-plasma-0_Cluster_5232_sequences=24 | 0 | 24 |
| SDS-V3-plasma-0_Cluster_5514_sequences=24 | 0 | 24 |
| SDS-V3-plasma-0_Cluster_2264_sequences=24 | 0 | 24 |
| SDS-V3-plasma-0_Cluster_808_sequences=24 | 0 | 24 |
| SDS-V3-plasma-5_Cluster_467_sequences=24 | 9 | 24 |
| SDS-V3-plasma-5_Cluster_14_sequences=24 | 9 | 24 |
| SDS-V3-plasma-5_Cluster_233_sequences=24 | 9 | 24 |
| SDS-V3-plasma-5_Cluster_83_sequences=24 | 9 | 24 |
| SDS-V3-plasma-7_Cluster_495_sequences=24 | 14 | 24 |
| SDS-V3-plasma-7_Cluster_713_sequences=24 | 14 | 24 |
| SDS-V3-plasma-8_Cluster_138_sequences=24 | 16 | 24 |
| SDS-V3-plasma-8_Cluster_68_sequences=24 | 16 | 24 |
| SDS-V3-plasma-8_Cluster_3133_sequences=24 | 16 | 24 |
| SDS-V3-plasma-8_Cluster_3105_sequences=24 | 16 | 24 |
| SDS-V3-plasma-8_Cluster_3990_sequences=24 | 16 | 24 |
| SDS-V3-plasma-8_Cluster_4075_sequences=24 | 16 | 24 |
| SDS-V3-plasma-8_Cluster_3563_sequences=24 | 16 | 24 |
| SDS-V3-plasma-8_Cluster_2305_sequences=24 | 16 | 24 |
| SDS-V3-plasma-24_Cluster_1634_sequences=24 | 124 | 24 |
| SDS-V3-plasma-24_Cluster_1872_sequences=24 | 124 | 24 |
| SDS-V3-plasma-24_Cluster_218_sequences=24 | 124 | 24 |
| SDS-V3-plasma-24_Cluster_2263_sequences=24 | 124  | 24 |
| SDS-V3-plasma-24_Cluster_274_sequences=24   | 124  | 24 |
| SDS-V3-plasma-24_Cluster_3595_sequences=24  | 124  | 24 |
| SDS-V3-plasma-24_Cluster_367_sequences=24   | 124  | 24 |
| SDS-V3-plasma-24_Cluster_1800_sequences=24  | 124  | 24 |
| SDS-V3-plasma-24_Cluster_981_sequences=24   | 124  | 24 |
| SDS-V3-plasma-24_Cluster_395_sequences=24   | 124  | 24 |
| SDS-V3-plasma-24_Cluster_202_sequences=24   | 124  | 24 |
| SDS-V3-plasma-24_Cluster_803_sequences=24   | 124  | 24 |
| SDS-V3-plasma-24_Cluster_939_sequences=24   | 124  | 24 |
| SDS-V3-plasma-27_Cluster_1082_sequences=24  | 131  | 24 |
| SDS-V3-plasma-27_Cluster_1115_sequences=24  | 131  | 24 |
| SDS-V3-plasma-27_Cluster_16_sequences=24    | 131  | 24 |
| SDS-V3-plasma-27_Cluster_2279_sequences=24  | 131  | 24 |
| SDS-V3-plasma-27_Cluster_2716_sequences=24  | 131  | 24 |
| SDS-V3-plasma-27_Cluster_38_sequences=24    | 131  | 24 |
| SDS-V3-plasma-27_Cluster_441_sequences=24   | 131  | 24 |
| SDS-V3-plasma-27_Cluster_518_sequences=24   | 131  | 24 |
| SDS-V3-plasma-27_Cluster_721_sequences=24   | 131  | 24 |
| SDS-V3-plasma-27_Cluster_1820_sequences=24  | 131  | 24 |
| SDS-V3-plasma-27_Cluster_3747_sequences=24  | 131  | 24 |
| SDS-V3-plasma-27_Cluster_1297_sequences=24  | 131  | 24 |
| SDS-V3-plasma-27_Cluster_1849_sequences=24  | 131  | 24 |
| SDS-V3-plasma-27_Cluster_2209_sequences=24  | 131  | 24 |
| SDS-V3-plasma-27_Cluster_1734_sequences=24  | 131  | 24 |
| SDS-V3-plasma-27_Cluster_1443_sequences=24  | 131  | 24 |
| SDS-V3-plasma-45_Cluster_6839_sequences=24  | 282  | 24 |
| SDS-V3-plasma-45_Cluster_5359_sequences=24  | 282  | 24 |
| SDS-V3-plasma-45_Cluster_5786_sequences=24  | 282  | 24 |
| SDS-V3-plasma-45_Cluster_10772_sequences=24 | 282  | 24 |
| SDS-V3-plasma-45_Cluster_14642_sequences=24 | 282  | 24 |
| SDS-V3-plasma-45_Cluster_15884_sequences=24 | 282  | 24 |
| SDS-V3-plasma-45_Cluster_3578_sequences=24  | 282  | 24 |
| SDS-V3-plasma-45_Cluster_10278_sequences=24 | 282  | 24 |
| SDS-V3-plasma-45_Cluster_12230_sequences=24 | 282  | 24 |
| SDS-V3-plasma-45_Cluster_145_sequences=24   | 282  | 24 |
| SDS-V3-plasma-45_Cluster_7592_sequences=24  | 282  | 24 |
| SDS-V3-plasma-45_Cluster_8435_sequences=24  | 282  | 24 |
| SDS-V3-plasma-45_Cluster_1102_sequences=24  | 282  | 24 |
| SDS-V3-plasma-45_Cluster_1953_sequences=24  | 282  | 24 |
| SDS-V3-plasma-45_Cluster_605_sequences=24   | 282  | 24 |
| SDS-V3-plasma-45_Cluster_14788_sequences=24 | 282  | 24 |
| SDS-V3-plasma-45_Cluster_3100_sequences=24  | 282  | 24 |
| SDS-V3-plasma-45_Cluster_6674_sequences=24  | 282  | 24 |
| SDS-V3-plasma-45_Cluster_8919_sequences=24  | 282  | 24 |
| Cluster Name                                | Sequences | Position |
|--------------------------------------------|-----------|----------|
| SDS-V3-plasma-45_Cluster_11123             | 24        | 282      |
| SDS-V3-plasma-45_Cluster_12662             | 24        | 282      |
| SDS-V3-plasma-45_Cluster_5570              | 24        | 282      |
| SDS-V3-plasma-45_Cluster_7746              | 24        | 282      |
| SDS-V3-plasma-45_Cluster_27804             | 24        | 282      |
| SDS-V3-plasma-45_Cluster_10275             | 24        | 282      |
| SDS-V3-plasma-45_Cluster_7642              | 24        | 282      |
| SDS-V3-plasma-45_Cluster_3479              | 24        | 282      |
| SDS-V3-plasma-45_Cluster_14043             | 24        | 282      |
| SDS-V3-plasma-45_Cluster_4881              | 24        | 282      |
| SDS-V3-plasma-45_Cluster_1963              | 24        | 282      |
| SDS-V3-plasma-45_Cluster_4968              | 24        | 282      |
| SDS-V3-plasma-45_Cluster_9423              | 24        | 282      |
| SDS-V3-plasma-45_Cluster_12835             | 24        | 282      |
| SDS-V3-plasma-45_Cluster_15873             | 24        | 282      |
| SDS-V3-plasma-45_Cluster_3752              | 24        | 282      |
| SDS-V3-plasma-45_Cluster_13883             | 24        | 282      |
| SDS-V3-plasma-45_Cluster_1509              | 24        | 282      |
| SDS-V3-plasma-45_Cluster_6092              | 24        | 282      |
| SDS-V3-plasma-45_Cluster_22939             | 24        | 282      |
| SDS-V3-plasma-45_Cluster_5680              | 24        | 282      |
| SDS-V3-plasma-45_Cluster_10180             | 24        | 282      |
| SDS-V3-plasma-45_Cluster_31958             | 24        | 282      |
| SDS-V3-plasma-45_Cluster_22857             | 24        | 282      |
| SDS-V3-plasma-45_Cluster_16399             | 24        | 282      |
| SDS-V3-plasma-45_Cluster_16652             | 24        | 282      |
| SDS-V3-plasma-45_Cluster_1937              | 24        | 282      |
| SDS-V3-plasma-45_Cluster_11296             | 24        | 282      |
| SDS-V3-plasma-45_Cluster_1088              | 24        | 282      |
| SDS-V3-plasma-45_Cluster_12461             | 24        | 282      |
| SDS-V3-plasma-45_Cluster_7408              | 24        | 282      |
| SDS-V3-plasma-45_Cluster_7532              | 24        | 282      |
| SDS-V3-plasma-45_Cluster_5609              | 24        | 282      |
| SDS-V3-plasma-45_Cluster_19030             | 24        | 282      |
| SDS-V3-plasma-45_Cluster_8608              | 24        | 282      |
| SDS-V3-plasma-45_Cluster_5535              | 24        | 282      |
| SDS-V3-plasma-45_Cluster_6436              | 24        | 282      |
| SDS-V3-plasma-45_Cluster_4457              | 24        | 282      |
| SDS-V3-plasma-45_Cluster_3260              | 24        | 282      |
| SDS-V3-plasma-45_Cluster_8795              | 24        | 282      |
| SDS-V3-plasma-45_Cluster_33                | 24        | 282      |
| SDS-V3-plasma-45_Cluster_9310              | 24        | 282      |
| SDS-V3-plasma-45_Cluster_11784             | 24        | 282      |
| SDS-V3-plasma-45_Cluster_8688              | 24        | 282      |
| SDS-V3-plasma-45_Cluster_62                | 24        | 282      |
| Cluster Name                          | Sequences | Size |
|--------------------------------------|-----------|------|
| SDS-V3-plasma-45_Cluster_16098       | 24        | 282  |
| SDS-V3-plasma-45_Cluster_9109        | 24        | 282  |
| SDS-V3-plasma-45_Cluster_6778        | 24        | 282  |
| SDS-V3-plasma-45_Cluster_14621       | 24        | 282  |
| SDS-V3-plasma-45_Cluster_18021       | 24        | 282  |
| SDS-V3-plasma-45_Cluster_2156        | 24        | 282  |
| SDS-V3-plasma-45_Cluster_7227        | 24        | 282  |
| SDS-V3-plasma-45_Cluster_5271        | 24        | 282  |
| SDS-V3-plasma-45_Cluster_4945        | 24        | 282  |
| SDS-V3-plasma-45_Cluster_11121       | 24        | 282  |
| SDS-V3-plasma-45_Cluster_5471        | 24        | 282  |
| SDS-V3-plasma-45_Cluster_9347        | 24        | 282  |
| SDS-V3-plasma-45_Cluster_18107       | 24        | 282  |
| SDS-V3-plasma-45_Cluster_3764        | 24        | 286  |
| SDS-V3-plasma-46_Cluster_3009        | 24        | 286  |
| SDS-V3-plasma-46_Cluster_8150        | 24        | 286  |
| SDS-V3-plasma-46_Cluster_379         | 24        | 286  |
| SDS-V3-plasma-46_Cluster_1270        | 24        | 286  |
| SDS-V3-plasma-46_Cluster_303         | 24        | 286  |
| SDS-V3-plasma-46_Cluster_2464        | 24        | 286  |
| SDS-V3-plasma-46_Cluster_1112        | 24        | 286  |
| SDS-V3-plasma-46_Cluster_2957        | 24        | 286  |
| SDS-V3-plasma-46_Cluster_1494        | 24        | 286  |
| SDS-V3-plasma-46_Cluster_8782        | 24        | 286  |
| SDS-V3-plasma-46_Cluster_814         | 24        | 286  |
| SDS-V3-plasma-46_Cluster_1551        | 24        | 286  |
| SDS-V3-plasma-46_Cluster_1730        | 24        | 286  |
| SDS-V3-plasma-46_Cluster_7136        | 24        | 286  |
| SDS-V3-plasma-46_Cluster_9122        | 24        | 286  |
| SDS-V3-plasma-46_Cluster_4730        | 24        | 286  |
| SDS-V3-plasma-46_Cluster_5377        | 24        | 286  |
| SDS-V3-plasma-46_Cluster_3000        | 24        | 286  |
| SDS-V3-plasma-46_Cluster_1649        | 24        | 286  |
| SDS-V3-plasma-46_Cluster_1610        | 24        | 286  |
| SDS-V3-plasma-46_Cluster_12986       | 24        | 286  |
| SDS-V3-plasma-46_Cluster_1402        | 24        | 286  |
| SDS-V3-plasma-67_Cluster_24132       | 24        | 504  |
| SDS-V3-plasma-67_Cluster_47042       | 24        | 504  |
| SDS-V3-plasma-67_Cluster_53774       | 24        | 504  |
| SDS-V3-plasma-67_Cluster_30004       | 24        | 504  |
| SDS-V3-plasma-67_Cluster_16496       | 24        | 504  |
| SDS-V3-plasma-67_Cluster_25479       | 24        | 504  |
| SDS-V3-plasma-67_Cluster_39914       | 24        | 504  |
| SDS-V3-plasma-67_Cluster_10669       | 24        | 504  |
| SDS-V3-plasma-67_Cluster_8537        | 24        | 504  |
| SDS-V3-plasma-67_Cluster_20968       | 24        | 504  |
| SDS-V3-plasma-67_Cluster_8052        | 24        | 504  |
| SDS-V3-plasma-67_Cluster_2916        | 24        | 504  |
| Cluster Name                                | Sequences | # | # |
|--------------------------------------------|-----------|---|---|
| SDS-V3-plasma-67_Cluster_1190_sequences    | 24        | 504| 24|
| SDS-V3-plasma-67_Cluster_5744_sequences    | 24        | 504| 24|
| SDS-V3-plasma-67_Cluster_4446_sequences    | 24        | 504| 24|
| SDS-V3-plasma-67_Cluster_1437_sequences    | 24        | 504| 24|
| SDS-V3-plasma-67_Cluster_15853_sequences   | 24        | 504| 24|
| SDS-V3-plasma-67_Cluster_17478_sequences   | 24        | 504| 24|
| SDS-V3-plasma-67_Cluster_2932_sequences    | 24        | 504| 24|
| SDS-V3-plasma-67_Cluster_37762_sequences   | 24        | 504| 24|
| SDS-V3-plasma-67_Cluster_4360_sequences    | 24        | 504| 24|
| SDS-V3-plasma-67_Cluster_8489_sequences    | 24        | 504| 24|
| SDS-V3-plasma-67_Cluster_14824_sequences   | 24        | 504| 24|
| SDS-V3-plasma-67_Cluster_24848_sequences   | 24        | 504| 24|
| SDS-V3-plasma-67_Cluster_2439_sequences    | 24        | 504| 24|
| SDS-V3-plasma-67_Cluster_6259_sequences    | 24        | 504| 24|
| SDS-V3-plasma-0_Cluster_191_sequences      | 23        | 0  | 23|
| SDS-V3-plasma-0_Cluster_1399_sequences     | 23        | 0  | 23|
| SDS-V3-plasma-0_Cluster_1770_sequences     | 23        | 0  | 23|
| SDS-V3-plasma-0_Cluster_186_sequences      | 23        | 0  | 23|
| SDS-V3-plasma-0_Cluster_242_sequences      | 23        | 0  | 23|
| SDS-V3-plasma-0_Cluster_2478_sequences     | 23        | 0  | 23|
| SDS-V3-plasma-0_Cluster_2865_sequences     | 23        | 0  | 23|
| SDS-V3-plasma-0_Cluster_3632_sequences     | 23        | 0  | 23|
| SDS-V3-plasma-0_Cluster_39_sequences       | 23        | 0  | 23|
| SDS-V3-plasma-0_Cluster_4987_sequences     | 23        | 0  | 23|
| SDS-V3-plasma-0_Cluster_820_sequences      | 23        | 0  | 23|
| SDS-V3-plasma-0_Cluster_6442_sequences     | 23        | 0  | 23|
| SDS-V3-plasma-0_Cluster_3240_sequences     | 23        | 0  | 23|
| SDS-V3-plasma-0_Cluster_3048_sequences     | 23        | 0  | 23|
| SDS-V3-plasma-0_Cluster_2591_sequences     | 23        | 0  | 23|
| SDS-V3-plasma-0_Cluster_1186_sequences     | 23        | 0  | 23|
| SDS-V3-plasma-0_Cluster_26457_sequences    | 23        | 0  | 23|
| SDS-V3-plasma-0_Cluster_1366_sequences     | 23        | 0  | 23|
| SDS-V3-plasma-0_Cluster_14833_sequences    | 23        | 0  | 23|
| SDS-V3-plasma-0_Cluster_2489_sequences     | 23        | 0  | 23|
| SDS-V3-plasma-0_Cluster_4833_sequences     | 23        | 0  | 23|
| SDS-V3-plasma-0_Cluster_1359_sequences     | 23        | 0  | 23|
| SDS-V3-plasma-0_Cluster_1852_sequences     | 23        | 0  | 23|
| SDS-V3-plasma-0_Cluster_2035_sequences     | 23        | 0  | 23|
| Cluster ID | Sequences |
|------------|-----------|
| SDS-V3-plasma-0_Cluster_362    | 23        |
| SDS-V3-plasma-0_Cluster_3690   | 23        |
| SDS-V3-plasma-0_Cluster_480    | 23        |
| SDS-V3-plasma-0_Cluster_751    | 23        |
| SDS-V3-plasma-0_Cluster_139    | 23        |
| SDS-V3-plasma-0_Cluster_367    | 23        |
| SDS-V3-plasma-0_Cluster_786    | 23        |
| SDS-V3-plasma-0_Cluster_1920   | 23        |
| SDS-V3-plasma-0_Cluster_6975   | 23        |
| SDS-V3-plasma-0_Cluster_8386   | 23        |
| SDS-V3-plasma-0_Cluster_1960   | 23        |
| SDS-V3-plasma-0_Cluster_910    | 23        |
| SDS-V3-plasma-0_Cluster_7111   | 23        |
| SDS-V3-plasma-0_Cluster_764    | 23        |
| SDS-V3-plasma-5_Cluster_272    | 9         |
| SDS-V3-plasma-5_Cluster_375    | 9         |
| SDS-V3-plasma-5_Cluster_47     | 9         |
| SDS-V3-plasma-5_Cluster_55     | 9         |
| SDS-V3-plasma-5_Cluster_80     | 9         |
| SDS-V3-plasma-7_Cluster_784    | 14        |
| SDS-V3-plasma-7_Cluster_945    | 14        |
| SDS-V3-plasma-7_Cluster_718    | 14        |
| SDS-V3-plasma-7_Cluster_2644   | 14        |
| SDS-V3-plasma-7_Cluster_320    | 14        |
| SDS-V3-plasma-7_Cluster_1328   | 14        |
| SDS-V3-plasma-7_Cluster_2615   | 14        |
| SDS-V3-plasma-7_Cluster_916    | 14        |
| SDS-V3-plasma-7_Cluster_832    | 14        |
| SDS-V3-plasma-8_Cluster_4007   | 16        |
| SDS-V3-plasma-8_Cluster_2598   | 16        |
| SDS-V3-plasma-8_Cluster_3211   | 16        |
| SDS-V3-plasma-8_Cluster_4538   | 16        |
| SDS-V3-plasma-8_Cluster_2975   | 16        |
| SDS-V3-plasma-8_Cluster_3430   | 16        |
| SDS-V3-plasma-8_Cluster_8921   | 16        |
| SDS-V3-plasma-8_Cluster_2862   | 16        |
| SDS-V3-plasma-8_Cluster_2666   | 16        |
| SDS-V3-plasma-24_Cluster_346   | 124       |
| SDS-V3-plasma-24_Cluster_488   | 124       |
| SDS-V3-plasma-24_Cluster_612   | 124       |
| SDS-V3-plasma-24_Cluster_748   | 124       |
| SDS-V3-plasma-24_Cluster_818   | 124       |
| SDS-V3-plasma-24_Cluster_1319  | 124       |
| SDS-V3-plasma-24_Cluster_226   | 124       |
| SDS-V3-plasma-24_Cluster_3568  | 124       |
SDS-V3-plasma-24_Cluster_1395_sequences=23 124 23
SDS-V3-plasma-24_Cluster_865_sequences=23 124 23
SDS-V3-plasma-24_Cluster_943_sequences=23 124 23
SDS-V3-plasma-24_Cluster_100_sequences=23 124 23
SDS-V3-plasma-24_Cluster_1413_sequences=23 124 23
SDS-V3-plasma-24_Cluster_734_sequences=23 124 23
SDS-V3-plasma-27_Cluster_1467_sequences=23 131 23
SDS-V3-plasma-27_Cluster_1548_sequences=23 131 23
SDS-V3-plasma-27_Cluster_1807_sequences=23 131 23
SDS-V3-plasma-27_Cluster_3101_sequences=23 131 23
SDS-V3-plasma-27_Cluster_3_sequences=23 131 23
SDS-V3-plasma-27_Cluster_412_sequences=23 131 23
SDS-V3-plasma-27_Cluster_626_sequences=23 131 23
SDS-V3-plasma-27_Cluster_742_sequences=23 131 23
SDS-V3-plasma-27_Cluster_768_sequences=23 131 23
SDS-V3-plasma-27_Cluster_958_sequences=23 131 23
SDS-V3-plasma-27_Cluster_676_sequences=23 131 23
SDS-V3-plasma-27_Cluster_773_sequences=23 131 23
SDS-V3-plasma-27_Cluster_1501_sequences=23 131 23
SDS-V3-plasma-27_Cluster_85_sequences=23 131 23
SDS-V3-plasma-27_Cluster_1983_sequences=23 131 23
SDS-V3-plasma-27_Cluster_10411_sequences=23 282 23
SDS-V3-plasma-27_Cluster_13409_sequences=23 282 23
SDS-V3-plasma-27_Cluster_3962_sequences=23 282 23
SDS-V3-plasma-27_Cluster_97_sequences=23 282 23
SDS-V3-plasma-27_Cluster_1956_sequences=23 282 23
SDS-V3-plasma-27_Cluster_3061_sequences=23 282 23
SDS-V3-plasma-27_Cluster_3732_sequences=23 282 23
SDS-V3-plasma-27_Cluster_4763_sequences=23 282 23
SDS-V3-plasma-27_Cluster_7082_sequences=23 282 23
SDS-V3-plasma-27_Cluster_13737_sequences=23 282 23
SDS-V3-plasma-27_Cluster_1585_sequences=23 282 23
SDS-V3-plasma-27_Cluster_3346_sequences=23 282 23
SDS-V3-plasma-27_Cluster_6351_sequences=23 282 23
SDS-V3-plasma-27_Cluster_6512_sequences=23 282 23
SDS-V3-plasma-27_Cluster_18324_sequences=23 282 23
SDS-V3-plasma-27_Cluster_12548_sequences=23 282 23
SDS-V3-plasma-27_Cluster_9549_sequences=23 282 23
SDS-V3-plasma-27_Cluster_3415_sequences=23 282 23
SDS-V3-plasma-27_Cluster_3601_sequences=23 282 23
SDS-V3-plasma-27_Cluster_9238_sequences=23 282 23
SDS-V3-plasma-27_Cluster_11061_sequences=23 282 23
SDS-V3-plasma-27_Cluster_2080_sequences=23 282 23
SDS-V3-plasma-27_Cluster_4037_sequences=23 282 23
| Cluster Name               | Sequences | Length | Quality |
|---------------------------|-----------|--------|---------|
| SDS-V3-plasma-45_Cluster_5276_sequences  | 23        | 282    | 23      |
| SDS-V3-plasma-45_Cluster_5290_sequences  | 23        | 282    | 23      |
| SDS-V3-plasma-45_Cluster_8524_sequences  | 23        | 282    | 23      |
| SDS-V3-plasma-45_Cluster_3984_sequences  | 23        | 282    | 23      |
| SDS-V3-plasma-45_Cluster_5637_sequences  | 23        | 282    | 23      |
| SDS-V3-plasma-45_Cluster_21669_sequences | 23        | 282    | 23      |
| SDS-V3-plasma-45_Cluster_13828_sequences | 23        | 282    | 23      |
| SDS-V3-plasma-45_Cluster_2935_sequences  | 23        | 282    | 23      |
| SDS-V3-plasma-45_Cluster_4875_sequences  | 23        | 282    | 23      |
| SDS-V3-plasma-45_Cluster_16903_sequences | 23        | 282    | 23      |
| SDS-V3-plasma-45_Cluster_9519_sequences  | 23        | 282    | 23      |
| SDS-V3-plasma-45_Cluster_8101_sequences  | 23        | 282    | 23      |
| SDS-V3-plasma-45_Cluster_14288_sequences | 23        | 282    | 23      |
| SDS-V3-plasma-45_Cluster_8047_sequences  | 23        | 282    | 23      |
| SDS-V3-plasma-45_Cluster_6157_sequences  | 23        | 282    | 23      |
| SDS-V3-plasma-45_Cluster_750_sequences    | 23        | 282    | 23      |
| SDS-V3-plasma-45_Cluster_8981_sequences  | 23        | 282    | 23      |
| SDS-V3-plasma-45_Cluster_538_sequences    | 23        | 282    | 23      |
| SDS-V3-plasma-45_Cluster_1025_sequences   | 23        | 282    | 23      |
| SDS-V3-plasma-45_Cluster_16090_sequences  | 23        | 282    | 23      |
| SDS-V3-plasma-45_Cluster_961_sequences    | 23        | 282    | 23      |
| SDS-V3-plasma-45_Cluster_2628_sequences   | 23        | 282    | 23      |
| SDS-V3-plasma-45_Cluster_13798_sequences  | 23        | 282    | 23      |
| SDS-V3-plasma-45_Cluster_10126_sequences  | 23        | 282    | 23      |
| SDS-V3-plasma-45_Cluster_16090_sequences  | 23        | 282    | 23      |
| SDS-V3-plasma-45_Cluster_568_sequences    | 23        | 282    | 23      |
| SDS-V3-plasma-45_Cluster_321_sequences    | 23        | 282    | 23      |
| SDS-V3-plasma-45_Cluster_4693_sequences   | 23        | 282    | 23      |
| SDS-V3-plasma-45_Cluster_9879_sequences   | 23        | 282    | 23      |
| SDS-V3-plasma-45_Cluster_20477_sequences  | 23        | 282    | 23      |
| SDS-V3-plasma-45_Cluster_12667_sequences  | 23        | 282    | 23      |
| SDS-V3-plasma-45_Cluster_14757_sequences  | 23        | 282    | 23      |
| SDS-V3-plasma-45_Cluster_9015_sequences   | 23        | 282    | 23      |
| SDS-V3-plasma-45_Cluster_3488_sequences   | 23        | 282    | 23      |
| SDS-V3-plasma-45_Cluster_1926_sequences   | 23        | 282    | 23      |
| SDS-V3-plasma-46_Cluster_1307_sequences   | 23        | 286    | 23      |
| SDS-V3-plasma-46_Cluster_1850_sequences   | 23        | 286    | 23      |
| SDS-V3-plasma-46_Cluster_4683_sequences   | 23        | 286    | 23      |
| SDS-V3-plasma-46_Cluster_1486_sequences   | 23        | 286    | 23      |
| SDS-V3-plasma-46_Cluster_2514_sequences   | 23        | 286    | 23      |
| SDS-V3-plasma-46_Cluster_3247_sequences   | 23        | 286    | 23      |
| SDS-V3-plasma-46_Cluster_622_sequences    | 23        | 286    | 23      |
| SDS-V3-plasma-46_Cluster_8339_sequences   | 23        | 286    | 23      |
| SDS-V3-plasma-46_Cluster_3359_sequences   | 23        | 286    | 23      |
| SDS-V3-plasma-46_Cluster_1077_sequences   | 23        | 286    | 23      |
| Cluster Name | Sequences |
|--------------|-----------|
| SDS-V3-plasma-46_Cluster_206 | 23 |
| SDS-V3-plasma-46_Cluster_4775 | 23 |
| SDS-V3-plasma-46_Cluster_31 | 23 |
| SDS-V3-plasma-46_Cluster_3950 | 23 |
| SDS-V3-plasma-46_Cluster_1720 | 23 |
| SDS-V3-plasma-46_Cluster_1739 | 23 |
| SDS-V3-plasma-46_Cluster_374 | 23 |
| SDS-V3-plasma-46_Cluster_5689 | 23 |
| SDS-V3-plasma-46_Cluster_137 | 23 |
| SDS-V3-plasma-46_Cluster_1301 | 23 |
| SDS-V3-plasma-46_Cluster_23067 | 23 |
| SDS-V3-plasma-46_Cluster_3256 | 23 |
| SDS-V3-plasma-46_Cluster_4160 | 23 |
| SDS-V3-plasma-46_Cluster_21947 | 23 |
| SDS-V3-plasma-67_Cluster_3047 | 23 |
| SDS-V3-plasma-67_Cluster_14792 | 23 |
| SDS-V3-plasma-67_Cluster_3923 | 23 |
| SDS-V3-plasma-67_Cluster_10658 | 23 |
| SDS-V3-plasma-67_Cluster_12524 | 23 |
| SDS-V3-plasma-67_Cluster_17063 | 23 |
| SDS-V3-plasma-67_Cluster_7729 | 23 |
| SDS-V3-plasma-67_Cluster_17326 | 23 |
| SDS-V3-plasma-67_Cluster_20787 | 23 |
| SDS-V3-plasma-67_Cluster_3605 | 23 |
| SDS-V3-plasma-67_Cluster_13118 | 23 |
| SDS-V3-plasma-67_Cluster_1044 | 23 |
| SDS-V3-plasma-67_Cluster_13090 | 23 |
| SDS-V3-plasma-67_Cluster_1579 | 23 |
| SDS-V3-plasma-67_Cluster_1697 | 23 |
| SDS-V3-plasma-67_Cluster_4010 | 23 |
| SDS-V3-plasma-67_Cluster_5114 | 23 |
| SDS-V3-plasma-67_Cluster_7605 | 23 |
| SDS-V3-plasma-67_Cluster_9127 | 23 |
| SDS-V3-plasma-67_Cluster_1606 | 23 |
| SDS-V3-plasma-67_Cluster_1116 | 23 |
| SDS-V3-plasma-67_Cluster_4707 | 23 |
| SDS-V3-plasma-67_Cluster_10243 | 23 |
| SDS-V3-plasma-67_Cluster_18688 | 23 |
| SDS-V3-plasma-67_Cluster_3341 | 23 |
| SDS-V3-plasma-67_Cluster_1891 | 23 |
| SDS-V3-plasma-67_Cluster_8711 | 23 |
| SDS-V3-plasma-0_Cluster_478 | 22 |
| Cluster Name                        | Sequences | Score | Length |
|------------------------------------|-----------|-------|--------|
| SDS-V3-plasma-8_Cluster_6159       | 16        | 22    |
| SDS-V3-plasma-8_Cluster_2767       | 16        | 22    |
| SDS-V3-plasma-8_Cluster_2605       | 16        | 22    |
| SDS-V3-plasma-24_Cluster_1119      | 124       | 22    |
| SDS-V3-plasma-24_Cluster_2094      | 124       | 22    |
| SDS-V3-plasma-24_Cluster_2409      | 124       | 22    |
| SDS-V3-plasma-24_Cluster_906       | 124       | 22    |
| SDS-V3-plasma-24_Cluster_987       | 124       | 22    |
| SDS-V3-plasma-24_Cluster_1093      | 124       | 22    |
| SDS-V3-plasma-24_Cluster_1374      | 124       | 22    |
| SDS-V3-plasma-24_Cluster_1212      | 124       | 22    |
| SDS-V3-plasma-24_Cluster_1027      | 124       | 22    |
| SDS-V3-plasma-24_Cluster_2254      | 124       | 22    |
| SDS-V3-plasma-24_Cluster_1889      | 124       | 22    |
| SDS-V3-plasma-24_Cluster_8814      | 124       | 22    |
| SDS-V3-plasma-27_Cluster_1106      | 131       | 22    |
| SDS-V3-plasma-27_Cluster_1111      | 131       | 22    |
| SDS-V3-plasma-27_Cluster_446       | 131       | 22    |
| SDS-V3-plasma-27_Cluster_448       | 131       | 22    |
| SDS-V3-plasma-27_Cluster_503       | 131       | 22    |
| SDS-V3-plasma-27_Cluster_723       | 131       | 22    |
| SDS-V3-plasma-27_Cluster_854       | 131       | 22    |
| SDS-V3-plasma-27_Cluster_945       | 131       | 22    |
| SDS-V3-plasma-27_Cluster_3219      | 131       | 22    |
| SDS-V3-plasma-27_Cluster_447       | 131       | 22    |
| SDS-V3-plasma-27_Cluster_247       | 131       | 22    |
| SDS-V3-plasma-27_Cluster_203       | 131       | 22    |
| SDS-V3-plasma-27_Cluster_1335      | 131       | 22    |
| SDS-V3-plasma-27_Cluster_3181      | 131       | 22    |
| SDS-V3-plasma-27_Cluster_711       | 131       | 22    |
| SDS-V3-plasma-27_Cluster_2296      | 131       | 22    |
| SDS-V3-plasma-27_Cluster_1052      | 131       | 22    |
| SDS-V3-plasma-45_Cluster_7610      | 282       | 22    |
| SDS-V3-plasma-45_Cluster_3539      | 282       | 22    |
| SDS-V3-plasma-45_Cluster_4713      | 282       | 22    |
| SDS-V3-plasma-45_Cluster_16502     | 282       | 22    |
| SDS-V3-plasma-45_Cluster_4836      | 282       | 22    |
| SDS-V3-plasma-45_Cluster_2014      | 282       | 22    |
| SDS-V3-plasma-45_Cluster_2517      | 282       | 22    |
| SDS-V3-plasma-45_Cluster_3413      | 282       | 22    |
| SDS-V3-plasma-45_Cluster_4227      | 282       | 22    |
| SDS-V3-plasma-45_Cluster_5963      | 282       | 22    |
| SDS-V3-plasma-45_Cluster_7970      | 282       | 22    |
| SDS-V3-plasma-45_Cluster_8444      | 282       | 22    |
| SDS-V3-plasma-45_Cluster_6297      | 282       | 22    |
| Cluster Name                        | Sequences |
|------------------------------------|-----------|
| SDS-V3-plasma-45_Cluster_7185      | 22        |
| SDS-V3-plasma-45_Cluster_3138      | 22        |
| SDS-V3-plasma-45_Cluster_4201      | 22        |
| SDS-V3-plasma-45_Cluster_15682     | 22        |
| SDS-V3-plasma-45_Cluster_7160      | 22        |
| SDS-V3-plasma-45_Cluster_7624      | 22        |
| SDS-V3-plasma-45_Cluster_16022     | 22        |
| SDS-V3-plasma-45_Cluster_17186     | 22        |
| SDS-V3-plasma-45_Cluster_112       | 22        |
| SDS-V3-plasma-45_Cluster_15541     | 22        |
| SDS-V3-plasma-45_Cluster_14758     | 22        |
| SDS-V3-plasma-45_Cluster_14860     | 22        |
| SDS-V3-plasma-45_Cluster_5325      | 22        |
| SDS-V3-plasma-45_Cluster_5634      | 22        |
| SDS-V3-plasma-45_Cluster_10152     | 22        |
| SDS-V3-plasma-45_Cluster_13379     | 22        |
| SDS-V3-plasma-45_Cluster_9600      | 22        |
| SDS-V3-plasma-45_Cluster_14950     | 22        |
| SDS-V3-plasma-45_Cluster_3366      | 22        |
| SDS-V3-plasma-45_Cluster_1805      | 22        |
| SDS-V3-plasma-45_Cluster_703       | 22        |
| SDS-V3-plasma-45_Cluster_23876     | 22        |
| SDS-V3-plasma-45_Cluster_2448      | 22        |
| SDS-V3-plasma-45_Cluster_14908     | 22        |
| SDS-V3-plasma-45_Cluster_6322      | 22        |
| SDS-V3-plasma-45_Cluster_4670      | 22        |
| SDS-V3-plasma-45_Cluster_4324      | 22        |
| SDS-V3-plasma-45_Cluster_9267      | 22        |
| SDS-V3-plasma-45_Cluster_8393      | 22        |
| SDS-V3-plasma-45_Cluster_11584     | 22        |
| SDS-V3-plasma-45_Cluster_8529      | 22        |
| SDS-V3-plasma-45_Cluster_6887      | 22        |
| SDS-V3-plasma-45_Cluster_299       | 22        |
| SDS-V3-plasma-45_Cluster_13350     | 22        |
| SDS-V3-plasma-45_Cluster_5138      | 22        |
| SDS-V3-plasma-45_Cluster_13555     | 22        |
| SDS-V3-plasma-45_Cluster_727       | 22        |
| SDS-V3-plasma-45_Cluster_7162      | 22        |
| SDS-V3-plasma-45_Cluster_3866      | 22        |
| SDS-V3-plasma-45_Cluster_791       | 22        |
| SDS-V3-plasma-45_Cluster_2929      | 22        |
| SDS-V3-plasma-45_Cluster_2926      | 22        |
| SDS-V3-plasma-45_Cluster_15026     | 22        |
| SDS-V3-plasma-45_Cluster_246       | 22        |
| SDS-V3-plasma-45_Cluster_10993     | 22        |
| Cluster Name                        | Sequences | Length | Notes |
|------------------------------------|-----------|--------|-------|
| SDS-V3-plasma-45_Cluster_3190      | 22        | 282    |       |
| SDS-V3-plasma-45_Cluster_12661     | 22        | 282    |       |
| SDS-V3-plasma-45_Cluster_14619     | 22        | 282    |       |
| SDS-V3-plasma-45_Cluster_9538      | 22        | 282    |       |
| SDS-V3-plasma-45_Cluster_32415     | 22        | 282    |       |
| SDS-V3-plasma-45_Cluster_6859      | 22        | 282    |       |
| SDS-V3-plasma-45_Cluster_4682      | 22        | 282    |       |
| SDS-V3-plasma-45_Cluster_13750     | 22        | 282    |       |
| SDS-V3-plasma-45_Cluster_19731     | 22        | 282    |       |
| SDS-V3-plasma-45_Cluster_4156      | 22        | 282    |       |
| SDS-V3-plasma-45_Cluster_5672      | 22        | 282    |       |
| SDS-V3-plasma-45_Cluster_2051      | 22        | 286    |       |
| SDS-V3-plasma-45_Cluster_8474      | 22        | 286    |       |
| SDS-V3-plasma-45_Cluster_4198      | 22        | 286    |       |
| SDS-V3-plasma-45_Cluster_2495      | 22        | 286    |       |
| SDS-V3-plasma-45_Cluster_8542      | 22        | 286    |       |
| SDS-V3-plasma-45_Cluster_7574      | 22        | 286    |       |
| SDS-V3-plasma-45_Cluster_895       | 22        | 286    |       |
| SDS-V3-plasma-45_Cluster_2590      | 22        | 286    |       |
| SDS-V3-plasma-45_Cluster_3426      | 22        | 286    |       |
| SDS-V3-plasma-45_Cluster_2442      | 22        | 286    |       |
| SDS-V3-plasma-45_Cluster_7569      | 22        | 286    |       |
| SDS-V3-plasma-45_Cluster_4663      | 22        | 286    |       |
| SDS-V3-plasma-45_Cluster_2090      | 22        | 286    |       |
| SDS-V3-plasma-45_Cluster_6039      | 22        | 286    |       |
| SDS-V3-plasma-45_Cluster_6123      | 22        | 286    |       |
| SDS-V3-plasma-45_Cluster_210       | 22        | 286    |       |
| SDS-V3-plasma-45_Cluster_5681      | 22        | 286    |       |
| SDS-V3-plasma-45_Cluster_6991      | 22        | 286    |       |
| SDS-V3-plasma-45_Cluster_993       | 22        | 286    |       |
| SDS-V3-plasma-45_Cluster_6221      | 22        | 286    |       |
| SDS-V3-plasma-45_Cluster_4102      | 22        | 286    |       |
| SDS-V3-plasma-45_Cluster_1618      | 22        | 286    |       |
| SDS-V3-plasma-45_Cluster_2111      | 22        | 286    |       |
| SDS-V3-plasma-45_Cluster_6120      | 22        | 286    |       |
| SDS-V3-plasma-45_Cluster_110       | 22        | 286    |       |
| SDS-V3-plasma-45_Cluster_392       | 22        | 286    |       |
| SDS-V3-plasma-45_Cluster_4903      | 22        | 286    |       |
| SDS-V3-plasma-45_Cluster_231       | 22        | 286    |       |
| SDS-V3-plasma-45_Cluster_4002      | 22        | 286    |       |
| SDS-V3-plasma-67_Cluster_993       | 22        | 504    |       |
| SDS-V3-plasma-67_Cluster_7830      | 22        | 504    |       |
| SDS-V3-plasma-67_Cluster_3198      | 22        | 504    |       |
| SDS-V3-plasma-67_Cluster_5245      | 22        | 504    |       |
| SDS-V3-plasma-67_Cluster_27228     | 22        | 504    |       |
| Cluster Name                                    | Sequences | 504 | 22 |
|------------------------------------------------|-----------|-----|----|
| SDS-V3-plasma-67_Cluster_14378                 | 22        | 504 | 22 |
| SDS-V3-plasma-67_Cluster_5176                  | 22        | 504 | 22 |
| SDS-V3-plasma-67_Cluster_15090                 | 22        | 504 | 22 |
| SDS-V3-plasma-67_Cluster_1113                  | 22        | 504 | 22 |
| SDS-V3-plasma-67_Cluster_7092                  | 22        | 504 | 22 |
| SDS-V3-plasma-67_Cluster_906                   | 22        | 504 | 22 |
| SDS-V3-plasma-67_Cluster_5683                  | 22        | 504 | 22 |
| SDS-V3-plasma-67_Cluster_6393                  | 22        | 504 | 22 |
| SDS-V3-plasma-67_Cluster_1551                  | 22        | 504 | 22 |
| SDS-V3-plasma-67_Cluster_1567                  | 22        | 504 | 22 |
| SDS-V3-plasma-67_Cluster_19179                 | 22        | 504 | 22 |
| SDS-V3-plasma-67_Cluster_2639                  | 22        | 504 | 22 |
| SDS-V3-plasma-67_Cluster_3646                  | 22        | 504 | 22 |
| SDS-V3-plasma-67_Cluster_4093                  | 22        | 504 | 22 |
| SDS-V3-plasma-67_Cluster_4725                  | 22        | 504 | 22 |
| SDS-V3-plasma-67_Cluster_5319                  | 22        | 504 | 22 |
| SDS-V3-plasma-67_Cluster_6293                  | 22        | 504 | 22 |
| SDS-V3-plasma-67_Cluster_5313                  | 22        | 504 | 22 |
| SDS-V3-plasma-67_Cluster_5665                  | 22        | 504 | 22 |
| SDS-V3-plasma-67_Cluster_12146                 | 22        | 504 | 22 |
| SDS-V3-plasma-67_Cluster_6647                  | 22        | 504 | 22 |
| SDS-V3-plasma-67_Cluster_4874                  | 22        | 504 | 22 |
| SDS-V3-plasma-67_Cluster_14643                 | 22        | 504 | 22 |
| SDS-V3-plasma-67_Cluster_6220                  | 22        | 504 | 22 |
| SDS-V3-plasma-67_Cluster_1843                  | 22        | 504 | 22 |
| SDS-V3-plasma-67_Cluster_1849                  | 22        | 504 | 22 |
| SDS-V3-plasma-67_Cluster_10596                 | 22        | 504 | 22 |
| SDS-V3-plasma-67_Cluster_51147                 | 22        | 504 | 22 |
| SDS-V3-PBMC-45_Cluster_26030                   | 21        | 282 | 21 |
| SDS-V3-plasma-0_Cluster_1846                   | 21        | 0   | 21 |
| SDS-V3-plasma-0_Cluster_1732                   | 21        | 0   | 21 |
| SDS-V3-plasma-0_Cluster_1814                   | 21        | 0   | 21 |
| SDS-V3-plasma-0_Cluster_2719                   | 21        | 0   | 21 |
| SDS-V3-plasma-0_Cluster_3285                   | 21        | 0   | 21 |
| SDS-V3-plasma-0_Cluster_4644                   | 21        | 0   | 21 |
| SDS-V3-plasma-0_Cluster_4646                   | 21        | 0   | 21 |
| SDS-V3-plasma-0_Cluster_6254                   | 21        | 0   | 21 |
| SDS-V3-plasma-0_Cluster_4680                   | 21        | 0   | 21 |
| SDS-V3-plasma-0_Cluster_10953                  | 21        | 0   | 21 |
| SDS-V3-plasma-0_Cluster_462                    | 21        | 0   | 21 |
| SDS-V3-plasma-0_Cluster_2327                   | 21        | 0   | 21 |
| SDS-V3-plasma-0_Cluster_3278                   | 21        | 0   | 21 |
| SDS-V3-plasma-0_Cluster_5897                   | 21        | 0   | 21 |
| SDS-V3-plasma-0_Cluster_2760                   | 21        | 0   | 21 |
| SDS-V3-plasma-0_Cluster_127                    | 21        | 0   | 21 |
| Cluster Name | Sequences |
|--------------|-----------|
| SDS-V3-plasma-0_Cluster_2074_sequences | 0 21 |
| SDS-V3-plasma-0_Cluster_2196_sequences | 0 21 |
| SDS-V3-plasma-0_Cluster_3406_sequences | 0 21 |
| SDS-V3-plasma-0_Cluster_4868_sequences | 0 21 |
| SDS-V3-plasma-0_Cluster_768_sequences | 0 21 |
| SDS-V3-plasma-0_Cluster_498_sequences | 0 21 |
| SDS-V3-plasma-0_Cluster_75_sequences | 0 21 |
| SDS-V3-plasma-0_Cluster_727_sequences | 0 21 |
| SDS-V3-plasma-0_Cluster_7037_sequences | 0 21 |
| SDS-V3-plasma-0_Cluster_53_sequences | 0 21 |
| SDS-V3-plasma-0_Cluster_1653_sequences | 0 21 |
| SDS-V3-plasma-0_Cluster_1445_sequences | 0 21 |
| SDS-V3-plasma-0_Cluster_1567_sequences | 0 21 |
| SDS-V3-plasma-5_Cluster_819_sequences | 9 21 |
| SDS-V3-plasma-7_Cluster_549_sequences | 14 21 |
| SDS-V3-plasma-7_Cluster_366_sequences | 14 21 |
| SDS-V3-plasma-7_Cluster_459_sequences | 14 21 |
| SDS-V3-plasma-7_Cluster_498_sequences | 14 21 |
| SDS-V3-plasma-7_Cluster_218_sequences | 14 21 |
| SDS-V3-plasma-7_Cluster_2687_sequences | 14 21 |
| SDS-V3-plasma-7_Cluster_3903_sequences | 14 21 |
| SDS-V3-plasma-8_Cluster_273_sequences | 16 21 |
| SDS-V3-plasma-8_Cluster_2452_sequences | 16 21 |
| SDS-V3-plasma-8_Cluster_2506_sequences | 16 21 |
| SDS-V3-plasma-8_Cluster_3536_sequences | 16 21 |
| SDS-V3-plasma-8_Cluster_3163_sequences | 16 21 |
| SDS-V3-plasma-8_Cluster_2986_sequences | 16 21 |
| SDS-V3-plasma-8_Cluster_2665_sequences | 16 21 |
| SDS-V3-plasma-24_Cluster_1120_sequences | 124 21 |
| SDS-V3-plasma-24_Cluster_1856_sequences | 124 21 |
| SDS-V3-plasma-24_Cluster_201_sequences | 124 21 |
| SDS-V3-plasma-24_Cluster_2119_sequences | 124 21 |
| SDS-V3-plasma-24_Cluster_2870_sequences | 124 21 |
| SDS-V3-plasma-24_Cluster_650_sequences | 124 21 |
| SDS-V3-plasma-24_Cluster_764_sequences | 124 21 |
| SDS-V3-plasma-24_Cluster_976_sequences | 124 21 |
| SDS-V3-plasma-24_Cluster_982_sequences | 124 21 |
| SDS-V3-plasma-24_Cluster_781_sequences | 124 21 |
| SDS-V3-plasma-24_Cluster_1578_sequences | 124 21 |
| SDS-V3-plasma-24_Cluster_2331_sequences | 124 21 |
| SDS-V3-plasma-24_Cluster_3122_sequences | 124 21 |
| SDS-V3-plasma-24_Cluster_1335_sequences | 124 21 |
| SDS-V3-plasma-24_Cluster_2436_sequences | 124 21 |
| SDS-V3-plasma-24_Cluster_1087_sequences | 124 21 |
| SDS-V3-plasma-27_Cluster_1563_sequences | 131 21 |
| Dataset Name | Value 1 | Value 2 |
|--------------|---------|---------|
| SDS-V3-plasma-45_Cluster_7851_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_24097_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_8408_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_5376_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_4780_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_2263_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_3602_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_43957_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_6519_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_3339_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_8256_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_4560_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_7809_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_969_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_3022_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_146_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_12718_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_10774_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_12501_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_23844_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_18900_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_23716_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_6528_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_4450_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_20042_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_6102_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_11276_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_7868_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_12107_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_22073_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_7850_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_15319_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_92_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_1647_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_1275_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_132_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_1984_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_19519_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_3768_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_20415_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_9277_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_9073_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_15626_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_1275_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_132_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_1984_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_19519_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_3768_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_20415_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_9277_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_9073_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_15626_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_1275_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_132_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_1984_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_19519_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_3768_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_20415_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_9277_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_9073_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_15626_sequences=21 | 282 | 21 |
| SDS-V3-plasma-45_Cluster_1275_sequences=21 | 282 | 21 |
| Cluster ID                        | Sequences | Length (nt) | GC Content |
|----------------------------------|-----------|-------------|------------|
| SDS-V3-plasma-67_Cluster_1895    | 21        | 504         | 21         |
| SDS-V3-plasma-67_Cluster_22614   | 21        | 504         | 21         |
| SDS-V3-plasma-67_Cluster_6753    | 21        | 504         | 21         |
| SDS-V3-plasma-67_Cluster_15287   | 21        | 504         | 21         |
| SDS-V3-plasma-67_Cluster_7481    | 21        | 504         | 21         |
| SDS-V3-plasma-67_Cluster_6656    | 21        | 504         | 21         |
| SDS-V3-plasma-67_Cluster_7055    | 21        | 504         | 21         |
| SDS-V3-plasma-67_Cluster_1432    | 21        | 504         | 21         |
| SDS-V3-plasma-67_Cluster_12510   | 21        | 504         | 21         |
| SDS-V3-plasma-67_Cluster_14574   | 21        | 504         | 21         |
| SDS-V3-plasma-67_Cluster_14025   | 21        | 504         | 21         |
| SDS-V3-plasma-67_Cluster_14037   | 21        | 504         | 21         |
| SDS-V3-plasma-67_Cluster_14842   | 21        | 504         | 21         |
| SDS-V3-plasma-67_Cluster_1636    | 21        | 504         | 21         |
| SDS-V3-plasma-67_Cluster_24861   | 21        | 504         | 21         |
| SDS-V3-plasma-67_Cluster_2826    | 21        | 504         | 21         |
| SDS-V3-plasma-67_Cluster_3465    | 21        | 504         | 21         |
| SDS-V3-plasma-67_Cluster_4665    | 21        | 504         | 21         |
| SDS-V3-plasma-67_Cluster_2630    | 21        | 504         | 21         |
| SDS-V3-plasma-67_Cluster_7115    | 21        | 504         | 21         |
| SDS-V3-plasma-67_Cluster_10224   | 21        | 504         | 21         |
| SDS-V3-plasma-67_Cluster_11544   | 21        | 504         | 21         |
| SDS-V3-plasma-67_Cluster_867     | 21        | 504         | 21         |
| SDS-V3-plasma-67_Cluster_26039   | 21        | 504         | 21         |
| SDS-V3-plasma-67_Cluster_10582   | 21        | 504         | 21         |
| SDS-V3-plasma-67_Cluster_23110   | 21        | 504         | 21         |
| SDS-V3-plasma-67_Cluster_11145   | 21        | 504         | 21         |
| SDS-V3-plasma-67_Cluster_21243   | 21        | 504         | 21         |
| SDS-V3-plasma-67_Cluster_2366    | 21        | 504         | 21         |
| SDS-V3-plasma-67_Cluster_9330    | 21        | 504         | 21         |
| SDS-V3-plasma-67_Cluster_9839    | 21        | 504         | 21         |
| SDS-V3-plasma-67_Cluster_6052    | 21        | 504         | 21         |
| SDS-V3-plasma-67_Cluster_3314    | 21        | 504         | 21         |
| SDS-V3-plasma-67_Cluster_5524    | 21        | 504         | 21         |
| SDS-V3-plasma-67_Cluster_7958    | 21        | 504         | 21         |
| SDS-V3-plasma-67_Cluster_76354   | 21        | 504         | 21         |
| SDS-V3-plasma-67_Cluster_76635   | 21        | 504         | 21         |
| SDS-V3-plasma-67_Cluster_8326    | 21        | 504         | 21         |
| SDS-V3-plasma-67_Cluster_17720   | 21        | 504         | 21         |
| SDS-V3-plasma-67_Cluster_2101    | 21        | 504         | 21         |
| SDS-V3-plasma-67_Cluster_47445   | 21        | 504         | 21         |
| SDS-V3-plasma-67_Cluster_5478    | 21        | 504         | 21         |
| SDS-V3-plasma-67_Cluster_1023    | 21        | 504         | 21         |
| SDS-V3-plasma-67_Cluster_7045    | 21        | 504         | 21         |
| SDS-V3-plasma_0_Cluster_3852     | 20        | 0           | 20         |
| Sample Name                     | Clusters | Sequences |
|--------------------------------|----------|-----------|
| SDS-V3-plasma-0_Cluster_3103   | 0        | 20        |
| SDS-V3-plasma-0_Cluster_8166   | 0        | 20        |
| SDS-V3-plasma-0_Cluster_1252   | 0        | 20        |
| SDS-V3-plasma-0_Cluster_1825   | 0        | 20        |
| SDS-V3-plasma-0_Cluster_2443   | 0        | 20        |
| SDS-V3-plasma-0_Cluster_567    | 0        | 20        |
| SDS-V3-plasma-0_Cluster_826    | 0        | 20        |
| SDS-V3-plasma-0_Cluster_1739   | 0        | 20        |
| SDS-V3-plasma-0_Cluster_3487   | 0        | 20        |
| SDS-V3-plasma-0_Cluster_484    | 0        | 20        |
| SDS-V3-plasma-0_Cluster_849    | 0        | 20        |
| SDS-V3-plasma-0_Cluster_45     | 0        | 20        |
| SDS-V3-plasma-0_Cluster_744    | 0        | 20        |
| SDS-V3-plasma-0_Cluster_5518   | 0        | 20        |
| SDS-V3-plasma-0_Cluster_3717   | 0        | 20        |
| SDS-V3-plasma-0_Cluster_3825   | 0        | 20        |
| SDS-V3-plasma-0_Cluster_1075   | 0        | 20        |
| SDS-V3-plasma-0_Cluster_2543   | 0        | 20        |
| SDS-V3-plasma-0_Cluster_2598   | 0        | 20        |
| SDS-V3-plasma-0_Cluster_451    | 0        | 20        |
| SDS-V3-plasma-0_Cluster_4694   | 0        | 20        |
| SDS-V3-plasma-0_Cluster_971    | 0        | 20        |
| SDS-V3-plasma-0_Cluster_2472   | 0        | 20        |
| SDS-V3-plasma-0_Cluster_5726   | 0        | 20        |
| SDS-V3-plasma-0_Cluster_8958   | 0        | 20        |
| SDS-V3-plasma-0_Cluster_904    | 0        | 20        |
| SDS-V3-plasma-0_Cluster_3765   | 0        | 20        |
| SDS-V3-plasma-0_Cluster_1589   | 0        | 20        |
| SDS-V3-plasma-0_Cluster_3539   | 0        | 20        |
| SDS-V3-plasma-0_Cluster_3499   | 0        | 20        |
| SDS-V3-plasma-0_Cluster_8974   | 0        | 20        |
| SDS-V3-plasma-0_Cluster_300    | 0        | 20        |
| SDS-V3-plasma-5_Cluster_102    | 9        | 20        |
| SDS-V3-plasma-5_Cluster_335    | 9        | 20        |
| SDS-V3-plasma-5_Cluster_240    | 9        | 20        |
| SDS-V3-plasma-5_Cluster_79     | 9        | 20        |
| SDS-V3-plasma-5_Cluster_194    | 9        | 20        |
| SDS-V3-plasma-5_Cluster_310    | 9        | 20        |
| SDS-V3-plasma-5_Cluster_403    | 9        | 20        |
| SDS-V3-plasma-7_Cluster_157    | 14       | 20        |
| SDS-V3-plasma-7_Cluster_756    | 14       | 20        |
| SDS-V3-plasma-7_Cluster_1557   | 14       | 20        |
| SDS-V3-plasma-7_Cluster_1063   | 14       | 20        |
| SDS-V3-plasma-7_Cluster_2770   | 14       | 20        |
| SDS-V3-plasma-7_Cluster_253    | 14       | 20        |
| Dataset                     | Cluster | Sequences | P | E |
|----------------------------|---------|-----------|---|---|
| SDS-V3-plasma-7_Cluster_1820 |        | 14        | 20| 20|
| SDS-V3-plasma-8_Cluster_228  |        | 16        | 20| 20|
| SDS-V3-plasma-8_Cluster_45   |        | 16        | 20| 20|
| SDS-V3-plasma-8_Cluster_3455 |        | 16        | 20| 20|
| SDS-V3-plasma-8_Cluster_149  |        | 16        | 20| 20|
| SDS-V3-plasma-8_Cluster_2791 |        | 16        | 20| 20|
| SDS-V3-plasma-8_Cluster_2353 |        | 16        | 20| 20|
| SDS-V3-plasma-8_Cluster_2423 |        | 16        | 20| 20|
| SDS-V3-plasma-8_Cluster_2755 |        | 16        | 20| 20|
| SDS-V3-plasma-8_Cluster_2584 |        | 16        | 20| 20|
| SDS-V3-plasma-24_Cluster_1494|        | 124       | 20| 20|
| SDS-V3-plasma-24_Cluster_1983|        | 124       | 20| 20|
| SDS-V3-plasma-24_Cluster_440 |        | 124       | 20| 20|
| SDS-V3-plasma-24_Cluster_48  |        | 124       | 20| 20|
| SDS-V3-plasma-24_Cluster_55  |        | 124       | 20| 20|
| SDS-V3-plasma-24_Cluster_902 |        | 124       | 20| 20|
| SDS-V3-plasma-24_Cluster_946 |        | 124       | 20| 20|
| SDS-V3-plasma-24_Cluster_242 |        | 124       | 20| 20|
| SDS-V3-plasma-24_Cluster_2444|        | 124       | 20| 20|
| SDS-V3-plasma-24_Cluster_1011|        | 124       | 20| 20|
| SDS-V3-plasma-24_Cluster_1531|        | 124       | 20| 20|
| SDS-V3-plasma-24_Cluster_1736|        | 124       | 20| 20|
| SDS-V3-plasma-24_Cluster_1209|        | 124       | 20| 20|
| SDS-V3-plasma-24_Cluster_1587|        | 124       | 20| 20|
| SDS-V3-plasma-24_Cluster_2056|        | 131       | 20| 20|
| SDS-V3-plasma-27_Cluster_2072|        | 131       | 20| 20|
| SDS-V3-plasma-27_Cluster_2350|        | 131       | 20| 20|
| SDS-V3-plasma-27_Cluster_3325|        | 131       | 20| 20|
| SDS-V3-plasma-27_Cluster_3327|        | 131       | 20| 20|
| SDS-V3-plasma-27_Cluster_34  |        | 131       | 20| 20|
| SDS-V3-plasma-27_Cluster_35  |        | 131       | 20| 20|
| SDS-V3-plasma-27_Cluster_520 |        | 131       | 20| 20|
| SDS-V3-plasma-27_Cluster_813 |        | 131       | 20| 20|
| SDS-V3-plasma-27_Cluster_949 |        | 131       | 20| 20|
| SDS-V3-plasma-27_Cluster_952 |        | 131       | 20| 20|
| SDS-V3-plasma-27_Cluster_411 |        | 131       | 20| 20|
| SDS-V3-plasma-27_Cluster_1121|        | 131       | 20| 20|
| SDS-V3-plasma-27_Cluster_644 |        | 131       | 20| 20|
| SDS-V3-plasma-27_Cluster_1955|        | 131       | 20| 20|
| SDS-V3-plasma-27_Cluster_1833|        | 131       | 20| 20|
| SDS-V3-plasma-45_Cluster_13455|       | 282       | 20| 20|
| SDS-V3-plasma-45_Cluster_8268 |        | 282       | 20| 20|
| SDS-V3-plasma-45_Cluster_10789|       | 282       | 20| 20|
| SDS-V3-plasma-45_Cluster_13930|       | 282       | 20| 20|
| SDS-V3-plasma-45_Cluster_11390|       | 282       | 20| 20|
| Cluster Identifier                          | Sequences | Length |
|-------------------------------------------|-----------|--------|
| SDS-V3-plasma-45_Cluster_7295             | 20        | 282    |
| SDS-V3-plasma-45_Cluster_8796             | 20        | 282    |
| SDS-V3-plasma-45_Cluster_8146             | 20        | 282    |
| SDS-V3-plasma-45_Cluster_5879             | 20        | 282    |
| SDS-V3-plasma-45_Cluster_7687             | 20        | 282    |
| SDS-V3-plasma-45_Cluster_3018             | 20        | 282    |
| SDS-V3-plasma-45_Cluster_10564            | 20        | 282    |
| SDS-V3-plasma-45_Cluster_11190            | 20        | 282    |
| SDS-V3-plasma-45_Cluster_13113            | 20        | 282    |
| SDS-V3-plasma-45_Cluster_16154            | 20        | 282    |
| SDS-V3-plasma-45_Cluster_16244            | 20        | 282    |
| SDS-V3-plasma-45_Cluster_1898             | 20        | 282    |
| SDS-V3-plasma-45_Cluster_5258             | 20        | 282    |
| SDS-V3-plasma-45_Cluster_6042             | 20        | 282    |
| SDS-V3-plasma-45_Cluster_10755            | 20        | 282    |
| SDS-V3-plasma-45_Cluster_2949             | 20        | 282    |
| SDS-V3-plasma-45_Cluster_3106             | 20        | 282    |
| SDS-V3-plasma-45_Cluster_3755             | 20        | 282    |
| SDS-V3-plasma-45_Cluster_196              | 20        | 282    |
| SDS-V3-plasma-45_Cluster_9066             | 20        | 282    |
| SDS-V3-plasma-45_Cluster_1169             | 20        | 282    |
| SDS-V3-plasma-45_Cluster_5689             | 20        | 282    |
| SDS-V3-plasma-45_Cluster_1184             | 20        | 282    |
| SDS-V3-plasma-45_Cluster_12733            | 20        | 282    |
| SDS-V3-plasma-45_Cluster_1851             | 20        | 282    |
| SDS-V3-plasma-45_Cluster_14579            | 20        | 282    |
| SDS-V3-plasma-45_Cluster_22521            | 20        | 282    |
| SDS-V3-plasma-45_Cluster_3270             | 20        | 282    |
| SDS-V3-plasma-45_Cluster_839              | 20        | 282    |
| SDS-V3-plasma-45_Cluster_7907             | 20        | 282    |
| SDS-V3-plasma-45_Cluster_13852            | 20        | 282    |
| SDS-V3-plasma-45_Cluster_11017            | 20        | 282    |
| SDS-V3-plasma-45_Cluster_17510            | 20        | 282    |
| SDS-V3-plasma-45_Cluster_555              | 20        | 282    |
| SDS-V3-plasma-45_Cluster_22352            | 20        | 282    |
| SDS-V3-plasma-45_Cluster_3078             | 20        | 282    |
| SDS-V3-plasma-45_Cluster_16593            | 20        | 282    |
| SDS-V3-plasma-45_Cluster_2746             | 20        | 282    |
| SDS-V3-plasma-45_Cluster_13421            | 20        | 282    |
| SDS-V3-plasma-45_Cluster_24781            | 20        | 282    |
| SDS-V3-plasma-45_Cluster_6717             | 20        | 282    |
| SDS-V3-plasma-45_Cluster_2780             | 20        | 282    |
| SDS-V3-plasma-45_Cluster_6213             | 20        | 282    |
| SDS-V3-plasma-45_Cluster_14032            | 20        | 282    |
| SDS-V3-plasma-45_Cluster_5469             | 20        | 282    |
| Cluster Name                                      | Cluster ID | Sequences |
|--------------------------------------------------|------------|-----------|
| SDS-V3-plasma-45_Cluster_4235_sequences          | 20         | 282       |
| SDS-V3-plasma-45_Cluster_2303_sequences          | 20         | 282       |
| SDS-V3-plasma-45_Cluster_12987_sequences         | 20         | 282       |
| SDS-V3-plasma-45_Cluster_3721_sequences          | 20         | 282       |
| SDS-V3-plasma-45_Cluster_18825_sequences         | 20         | 282       |
| SDS-V3-plasma-45_Cluster_10918_sequences         | 20         | 282       |
| SDS-V3-plasma-45_Cluster_63996_sequences         | 20         | 282       |
| SDS-V3-plasma-45_Cluster_2059_sequences          | 20         | 282       |
| SDS-V3-plasma-45_Cluster_996_sequences           | 20         | 282       |
| SDS-V3-plasma-45_Cluster_2676_sequences          | 20         | 282       |
| SDS-V3-plasma-45_Cluster_7517_sequences          | 20         | 282       |
| SDS-V3-plasma-45_Cluster_2555_sequences          | 20         | 282       |
| SDS-V3-plasma-45_Cluster_5554_sequences          | 20         | 282       |
| SDS-V3-plasma-45_Cluster_22383_sequences         | 20         | 282       |
| SDS-V3-plasma-45_Cluster_18383_sequences         | 20         | 282       |
| SDS-V3-plasma-45_Cluster_10056_sequences         | 20         | 282       |
| SDS-V3-plasma-45_Cluster_12542_sequences         | 20         | 282       |
| SDS-V3-plasma-45_Cluster_6045_sequences          | 20         | 282       |
| SDS-V3-plasma-45_Cluster_33368_sequences         | 20         | 282       |
| SDS-V3-plasma-45_Cluster_11522_sequences         | 20         | 282       |
| SDS-V3-plasma-45_Cluster_3435_sequences          | 20         | 282       |
| SDS-V3-plasma-45_Cluster_5624_sequences          | 20         | 282       |
| SDS-V3-plasma-45_Cluster_3760_sequences          | 20         | 282       |
| SDS-V3-plasma-45_Cluster_6741_sequences          | 20         | 282       |
| SDS-V3-plasma-45_Cluster_17642_sequences         | 20         | 282       |
| SDS-V3-plasma-45_Cluster_10702_sequences         | 20         | 282       |
| SDS-V3-plasma-45_Cluster_2743_sequences          | 20         | 282       |
| SDS-V3-plasma-45_Cluster_985_sequences           | 20         | 282       |
| SDS-V3-plasma-46_Cluster_1124_sequences          | 20         | 286       |
| SDS-V3-plasma-46_Cluster_4142_sequences          | 20         | 286       |
| SDS-V3-plasma-46_Cluster_4871_sequences          | 20         | 286       |
| SDS-V3-plasma-46_Cluster_1481_sequences          | 20         | 286       |
| SDS-V3-plasma-46_Cluster_3148_sequences          | 20         | 286       |
| SDS-V3-plasma-46_Cluster_6367_sequences          | 20         | 286       |
| SDS-V3-plasma-46_Cluster_8090_sequences          | 20         | 286       |
| SDS-V3-plasma-46_Cluster_13473_sequences         | 20         | 286       |
| SDS-V3-plasma-46_Cluster_1556_sequences          | 20         | 286       |
| SDS-V3-plasma-46_Cluster_2123_sequences          | 20         | 286       |
| SDS-V3-plasma-46_Cluster_309_sequences           | 20         | 286       |
| SDS-V3-plasma-46_Cluster_4061_sequences          | 20         | 286       |
| SDS-V3-plasma-46_Cluster_4313_sequences          | 20         | 286       |
| SDS-V3-plasma-46_Cluster_5765_sequences          | 20         | 286       |
| SDS-V3-plasma-46_Cluster_6658_sequences          | 20         | 286       |
| SDS-V3-plasma-46_Cluster_1622_sequences          | 20         | 286       |
| Cluster Name                                      | Sequences | Length |
|-------------------------------------------------|-----------|--------|
| SDS-V3-plasma-46_Cluster_2185                   | 286       | 20     |
| SDS-V3-plasma-46_Cluster_1134                   | 286       | 20     |
| SDS-V3-plasma-46_Cluster_1272                   | 286       | 20     |
| SDS-V3-plasma-46_Cluster_2030                   | 286       | 20     |
| SDS-V3-plasma-46_Cluster_263                    | 286       | 20     |
| SDS-V3-plasma-46_Cluster_4836                   | 286       | 20     |
| SDS-V3-plasma-46_Cluster_6294                   | 286       | 20     |
| SDS-V3-plasma-46_Cluster_3649                   | 286       | 20     |
| SDS-V3-plasma-46_Cluster_4109                   | 286       | 20     |
| SDS-V3-plasma-46_Cluster_1227                   | 286       | 20     |
| SDS-V3-plasma-46_Cluster_3094                   | 286       | 20     |
| SDS-V3-plasma-46_Cluster_1957                   | 286       | 20     |
| SDS-V3-plasma-67_Cluster_15846                  | 504       | 20     |
| SDS-V3-plasma-67_Cluster_11557                  | 504       | 20     |
| SDS-V3-plasma-67_Cluster_23692                  | 504       | 20     |
| SDS-V3-plasma-67_Cluster_10230                  | 504       | 20     |
| SDS-V3-plasma-67_Cluster_1825                   | 504       | 20     |
| SDS-V3-plasma-67_Cluster_57                     | 504       | 20     |
| SDS-V3-plasma-67_Cluster_21940                  | 504       | 20     |
| SDS-V3-plasma-67_Cluster_10113                  | 504       | 20     |
| SDS-V3-plasma-67_Cluster_13715                  | 504       | 20     |
| SDS-V3-plasma-67_Cluster_3720                   | 504       | 20     |
| SDS-V3-plasma-67_Cluster_35068                  | 504       | 20     |
| SDS-V3-plasma-67_Cluster_22527                  | 504       | 20     |
| SDS-V3-plasma-67_Cluster_13358                  | 504       | 20     |
| SDS-V3-plasma-67_Cluster_1913                   | 504       | 20     |
| SDS-V3-plasma-67_Cluster_2982                   | 504       | 20     |
| SDS-V3-plasma-67_Cluster_3651                   | 504       | 20     |
| SDS-V3-plasma-67_Cluster_3903                   | 504       | 20     |
| SDS-V3-plasma-67_Cluster_4447                   | 504       | 20     |
| SDS-V3-plasma-67_Cluster_6701                   | 504       | 20     |
| SDS-V3-plasma-67_Cluster_9022                   | 504       | 20     |
| SDS-V3-plasma-67_Cluster_9212                   | 504       | 20     |
| SDS-V3-plasma-67_Cluster_18579                  | 504       | 20     |
| SDS-V3-plasma-67_Cluster_7170                   | 504       | 20     |
| SDS-V3-plasma-67_Cluster_1700                   | 504       | 20     |
| SDS-V3-plasma-67_Cluster_14877                  | 504       | 20     |
| SDS-V3-plasma-67_Cluster_4966                   | 504       | 20     |
| SDS-V3-plasma-67_Cluster_11482                  | 504       | 20     |
| SDS-V3-plasma-67_Cluster_19138                  | 504       | 20     |
| SDS-V3-plasma-67_Cluster_17662                  | 504       | 20     |
| SDS-V3-plasma-67_Cluster_15342                  | 504       | 20     |
| SDS-V3-plasma-67_Cluster_1781                   | 504       | 20     |
| SDS-V3-plasma-67_Cluster_20107                  | 504       | 20     |
| Cluster Name                        | Sequences | 504 | 20 |
|-----------------------------------|------------|-----|----|
| SDS-V3-plasma-67_Cluster_17783   | 20         | 504 | 20 |
| SDS-V3-plasma-67_Cluster_28475   | 20         | 504 | 20 |
| SDS-V3-plasma-67_Cluster_27763   | 20         | 504 | 20 |
| SDS-V3-plasma-67_Cluster_20177   | 20         | 504 | 20 |
| SDS-V3-plasma-67_Cluster_27308   | 20         | 504 | 20 |
| SDS-V3-plasma-67_Cluster_29919   | 20         | 504 | 20 |
| SDS-V3-plasma-67_Cluster_5605    | 20         | 504 | 20 |
| SDS-V3-plasma-67_Cluster_13504   | 20         | 504 | 20 |
| SDS-V3-plasma-67_Cluster_1880    | 20         | 504 | 20 |
| SDS-V3-plasma-67_Cluster_7372    | 20         | 504 | 20 |
| SDS-V3-plasma-0_Cluster_1637     | 19         | 0   | 19 |
| SDS-V3-plasma-0_Cluster_2371     | 19         | 0   | 19 |
| SDS-V3-plasma-0_Cluster_1300     | 19         | 0   | 19 |
| SDS-V3-plasma-0_Cluster_1860     | 19         | 0   | 19 |
| SDS-V3-plasma-0_Cluster_3492     | 19         | 0   | 19 |
| SDS-V3-plasma-0_Cluster_4592     | 19         | 0   | 19 |
| SDS-V3-plasma-0_Cluster_585      | 19         | 0   | 19 |
| SDS-V3-plasma-0_Cluster_7190     | 19         | 0   | 19 |
| SDS-V3-plasma-0_Cluster_8287     | 19         | 0   | 19 |
| SDS-V3-plasma-0_Cluster_3196     | 19         | 0   | 19 |
| SDS-V3-plasma-0_Cluster_6956     | 19         | 0   | 19 |
| SDS-V3-plasma-0_Cluster_373      | 19         | 0   | 19 |
| SDS-V3-plasma-0_Cluster_2110     | 19         | 0   | 19 |
| SDS-V3-plasma-0_Cluster_6993     | 19         | 0   | 19 |
| SDS-V3-plasma-0_Cluster_2985     | 19         | 0   | 19 |
| SDS-V3-plasma-0_Cluster_1915     | 19         | 0   | 19 |
| SDS-V3-plasma-0_Cluster_143      | 19         | 0   | 19 |
| SDS-V3-plasma-0_Cluster_618      | 19         | 0   | 19 |
| SDS-V3-plasma-0_Cluster_3583     | 19         | 0   | 19 |
| SDS-V3-plasma-0_Cluster_265      | 19         | 0   | 19 |
| SDS-V3-plasma-0_Cluster_5329     | 19         | 0   | 19 |
| SDS-V3-plasma-0_Cluster_1565     | 19         | 0   | 19 |
| SDS-V3-plasma-0_Cluster_25170    | 19         | 0   | 19 |
| SDS-V3-plasma-0_Cluster_4399     | 19         | 0   | 19 |
| SDS-V3-plasma-0_Cluster_834      | 19         | 0   | 19 |
| SDS-V3-plasma-0_Cluster_1299     | 19         | 0   | 19 |
| SDS-V3-plasma-0_Cluster_476      | 19         | 0   | 19 |
| SDS-V3-plasma-0_Cluster_377      | 19         | 0   | 19 |
| SDS-V3-plasma-0_Cluster_2712     | 19         | 0   | 19 |
| SDS-V3-plasma-5_Cluster_514      | 19         | 9   | 19 |
| SDS-V3-plasma-5_Cluster_723      | 19         | 9   | 19 |
| SDS-V3-plasma-5_Cluster_665      | 19         | 9   | 19 |
| SDS-V3-plasma-7_Cluster_553      | 19         | 14  | 19 |
| SDS-V3-plasma-7_Cluster_1170     | 19         | 14  | 19 |
| SDS-V3-plasma-7_Cluster_934      | 19         | 14  | 19 |
| Cluster Name                                | Sequences | Length |
|--------------------------------------------|-----------|--------|
| SDS-V3-plasma-45_Cluster_1385_sequences     | 19        | 282    |
| SDS-V3-plasma-45_Cluster_2239_sequences     | 19        | 282    |
| SDS-V3-plasma-45_Cluster_25352_sequences   | 19        | 282    |
| SDS-V3-plasma-45_Cluster_3547_sequences     | 19        | 282    |
| SDS-V3-plasma-45_Cluster_1603_sequences     | 19        | 282    |
| SDS-V3-plasma-45_Cluster_13171_sequences    | 19        | 282    |
| SDS-V3-plasma-45_Cluster_21484_sequences    | 19        | 282    |
| SDS-V3-plasma-45_Cluster_11035_sequences    | 19        | 282    |
| SDS-V3-plasma-45_Cluster_6100_sequences     | 19        | 282    |
| SDS-V3-plasma-45_Cluster_12606_sequences    | 19        | 282    |
| SDS-V3-plasma-45_Cluster_24062_sequences    | 19        | 282    |
| SDS-V3-plasma-45_Cluster_7307_sequences     | 19        | 282    |
| SDS-V3-plasma-45_Cluster_14316_sequences    | 19        | 282    |
| SDS-V3-plasma-45_Cluster_6530_sequences     | 19        | 282    |
| SDS-V3-plasma-45_Cluster_7648_sequences     | 19        | 282    |
| SDS-V3-plasma-45_Cluster_14612_sequences    | 19        | 282    |
| SDS-V3-plasma-45_Cluster_15518_sequences    | 19        | 282    |
| SDS-V3-plasma-45_Cluster_1650_sequences     | 19        | 282    |
| SDS-V3-plasma-45_Cluster_14000_sequences    | 19        | 282    |
| SDS-V3-plasma-45_Cluster_66671_sequences    | 19        | 282    |
| SDS-V3-plasma-45_Cluster_728_sequences      | 19        | 282    |
| SDS-V3-plasma-45_Cluster_6505_sequences     | 19        | 282    |
| SDS-V3-plasma-45_Cluster_9915_sequences     | 19        | 282    |
| SDS-V3-plasma-45_Cluster_10576_sequences    | 19        | 282    |
| SDS-V3-plasma-45_Cluster_20856_sequences    | 19        | 282    |
| SDS-V3-plasma-45_Cluster_11982_sequences    | 19        | 282    |
| SDS-V3-plasma-45_Cluster_13620_sequences    | 19        | 282    |
| SDS-V3-plasma-45_Cluster_13641_sequences    | 19        | 282    |
| SDS-V3-plasma-45_Cluster_579_sequences      | 19        | 282    |
| SDS-V3-plasma-45_Cluster_7319_sequences     | 19        | 282    |
| SDS-V3-plasma-45_Cluster_2266_sequences     | 19        | 282    |
| SDS-V3-plasma-45_Cluster_24281_sequences    | 19        | 282    |
| SDS-V3-plasma-45_Cluster_21171_sequences    | 19        | 282    |
| SDS-V3-plasma-45_Cluster_6134_sequences     | 19        | 282    |
| SDS-V3-plasma-45_Cluster_16873_sequences    | 19        | 282    |
| SDS-V3-plasma-45_Cluster_12803_sequences    | 19        | 282    |
| SDS-V3-plasma-45_Cluster_10151_sequences    | 19        | 282    |
| SDS-V3-plasma-45_Cluster_9405_sequences     | 19        | 282    |
| SDS-V3-plasma-45_Cluster_1345_sequences     | 19        | 282    |
| SDS-V3-plasma-45_Cluster_10011_sequences    | 19        | 282    |
| SDS-V3-plasma-45_Cluster_6044_sequences     | 19        | 282    |
| SDS-V3-plasma-45_Cluster_4589_sequences     | 19        | 282    |
| SDS-V3-plasma-45_Cluster_17216_sequences    | 19        | 282    |
| SDS-V3-plasma-45_Cluster_2453_sequences     | 19        | 282    |
| Cluster ID | Sequence Count | Value 1 | Value 2 |
|------------|----------------|---------|---------|
| SDS-V3-plasma-67_Cluster_7988_sequences=19 | 504 | 19 |
| SDS-V3-plasma-67_Cluster_7431_sequences=19 | 504 | 19 |
| SDS-V3-plasma-67_Cluster_8182_sequences=19 | 504 | 19 |
| SDS-V3-plasma-67_Cluster_17267_sequences=19 | 504 | 19 |
| SDS-V3-plasma-67_Cluster_10125_sequences=19 | 504 | 19 |
| SDS-V3-plasma-67_Cluster_3025_sequences=19 | 504 | 19 |
| SDS-V3-plasma-67_Cluster_17691_sequences=19 | 504 | 19 |
| SDS-V3-plasma-67_Cluster_21232_sequences=19 | 504 | 19 |
| SDS-V3-plasma-67_Cluster_12867_sequences=19 | 504 | 19 |
| SDS-V3-plasma-67_Cluster_19639_sequences=19 | 504 | 19 |
| SDS-V3-plasma-67_Cluster_21982_sequences=19 | 504 | 19 |
| SDS-V3-plasma-67_Cluster_14012_sequences=19 | 504 | 19 |
| SDS-V3-plasma-67_Cluster_11208_sequences=19 | 504 | 19 |
| SDS-V3-plasma-67_Cluster_2627_sequences=19 | 504 | 19 |
| SDS-V3-plasma-67_Cluster_2455_sequences=19 | 504 | 19 |
| SDS-V3-plasma-67_Cluster_15262_sequences=19 | 504 | 19 |
| SDS-V3-plasma-67_Cluster_2990_sequences=19 | 504 | 19 |
| SDS-V3-plasma-67_Cluster_750_sequences=19 | 504 | 19 |
| SDS-V3-plasma-67_Cluster_5821_sequences=19 | 504 | 19 |
| SDS-V3-plasma-67_Cluster_7591_sequences=19 | 504 | 19 |
| SDS-V3-plasma-67_Cluster_7144_sequences=19 | 504 | 19 |
| SDS-V3-plasma-67_Cluster_2455_sequences=19 | 504 | 19 |
| SDS-V3-plasma-0_Cluster_1166_sequences=18 | 0 | 18 |
| SDS-V3-plasma-0_Cluster_2828_sequences=18 | 0 | 18 |
| SDS-V3-plasma-0_Cluster_991_sequences=18 | 0 | 18 |
| SDS-V3-plasma-0_Cluster_1558_sequences=18 | 0 | 18 |
| SDS-V3-plasma-0_Cluster_2853_sequences=18 | 0 | 18 |
| SDS-V3-plasma-0_Cluster_4131_sequences=18 | 0 | 18 |
| SDS-V3-plasma-0_Cluster_4678_sequences=18 | 0 | 18 |
| SDS-V3-plasma-0_Cluster_9132_sequences=18 | 0 | 18 |
| SDS-V3-plasma-0_Cluster_8165_sequences=18 | 0 | 18 |
| SDS-V3-plasma-0_Cluster_1415_sequences=18 | 0 | 18 |
| SDS-V3-plasma-0_Cluster_5614_sequences=18 | 0 | 18 |
| SDS-V3-plasma-0_Cluster_4781_sequences=18 | 0 | 18 |
| SDS-V3-plasma-0_Cluster_2363_sequences=18 | 0 | 18 |
| SDS-V3-plasma-0_Cluster_7364_sequences=18 | 0 | 18 |
| SDS-V3-plasma-0_Cluster_8205_sequences=18 | 0 | 18 |
| SDS-V3-plasma-0_Cluster_644_sequences=18 | 0 | 18 |
| SDS-V3-plasma-0_Cluster_2069_sequences=18 | 0 | 18 |
| SDS-V3-plasma-0_Cluster_2189_sequences=18 | 0 | 18 |
| SDS-V3-plasma-0_Cluster_2235_sequences=18 | 0 | 18 |
| SDS-V3-plasma-0_Cluster_2838_sequences=18 | 0 | 18 |
| SDS-V3-plasma-0_Cluster_3269_sequences=18 | 0 | 18 |
| SDS-V3-plasma-0_Cluster_4077_sequences=18 | 0 | 18 |
| Cluster Name | Sequences |
|--------------|-----------|
| SDS-V3-plasma-0_Cluster_4735_sequences=18 | 0          |
| SDS-V3-plasma-0_Cluster_5512_sequences=18 | 0          |
| SDS-V3-plasma-0_Cluster_565_sequences=18 | 0          |
| SDS-V3-plasma-0_Cluster_1198_sequences=18 | 0          |
| SDS-V3-plasma-0_Cluster_1792_sequences=18 | 0          |
| SDS-V3-plasma-0_Cluster_1450_sequences=18 | 0          |
| SDS-V3-plasma-0_Cluster_4340_sequences=18 | 0          |
| SDS-V3-plasma-0_Cluster_1074_sequences=18 | 0          |
| SDS-V3-plasma-0_Cluster_2051_sequences=18 | 0          |
| SDS-V3-plasma-0_Cluster_2018_sequences=18 | 0          |
| SDS-V3-plasma-0_Cluster_455_sequences=18 | 0          |
| SDS-V3-plasma-0_Cluster_2406_sequences=18 | 0          |
| SDS-V3-plasma-0_Cluster_3560_sequences=18 | 0          |
| SDS-V3-plasma-5_Cluster_58_sequences=18 | 9          |
| SDS-V3-plasma-5_Cluster_738_sequences=18 | 9          |
| SDS-V3-plasma-5_Cluster_322_sequences=18 | 9          |
| SDS-V3-plasma-5_Cluster_104_sequences=18 | 9          |
| SDS-V3-plasma-5_Cluster_45_sequences=18 | 9          |
| SDS-V3-plasma-7_Cluster_234_sequences=18 | 14         |
| SDS-V3-plasma-7_Cluster_482_sequences=18 | 14         |
| SDS-V3-plasma-7_Cluster_1061_sequences=18 | 14         |
| SDS-V3-plasma-7_Cluster_2003_sequences=18 | 14         |
| SDS-V3-plasma-7_Cluster_2648_sequences=18 | 14         |
| SDS-V3-plasma-7_Cluster_2582_sequences=18 | 14         |
| SDS-V3-plasma-8_Cluster_303_sequences=18 | 16         |
| SDS-V3-plasma-8_Cluster_3365_sequences=18 | 16         |
| SDS-V3-plasma-8_Cluster_2449_sequences=18 | 16         |
| SDS-V3-plasma-8_Cluster_3460_sequences=18 | 16         |
| SDS-V3-plasma-8_Cluster_2360_sequences=18 | 16         |
| SDS-V3-plasma-8_Cluster_4024_sequences=18 | 16         |
| SDS-V3-plasma-8_Cluster_2610_sequences=18 | 16         |
| SDS-V3-plasma-8_Cluster_2684_sequences=18 | 16         |
| SDS-V3-plasma-8_Cluster_2971_sequences=18 | 16         |
| SDS-V3-plasma-8_Cluster_3115_sequences=18 | 16         |
| SDS-V3-plasma-8_Cluster_4585_sequences=18 | 16         |
| SDS-V3-plasma-8_Cluster_2766_sequences=18 | 16         |
| SDS-V3-plasma-8_Cluster_3196_sequences=18 | 16         |
| SDS-V3-plasma-8_Cluster_3257_sequences=18 | 16         |
| SDS-V3-plasma-8_Cluster_3907_sequences=18 | 16         |
| SDS-V3-plasma-8_Cluster_3267_sequences=18 | 16         |
| SDS-V3-plasma-8_Cluster_5519_sequences=18 | 16         |
| SDS-V3-plasma-24_Cluster_1131_sequences=18 | 124        |
| SDS-V3-plasma-24_Cluster_1877_sequences=18 | 124        |
| SDS-V3-plasma-24_Cluster_2012_sequences=18 | 124        |
| SDS-V3-plasma-24_Cluster_2289_sequences=18 | 124        |
| SDS-V3-plasma-24_Cluster_33_sequences=18 | 124  | 18  |
| SDS-V3-plasma-24_Cluster_493_sequences=18 | 124  | 18  |
| SDS-V3-plasma-24_Cluster_669_sequences=18 | 124  | 18  |
| SDS-V3-plasma-24_Cluster_919_sequences=18 | 124  | 18  |
| SDS-V3-plasma-24_Cluster_929_sequences=18 | 124  | 18  |
| SDS-V3-plasma-24_Cluster_1839_sequences=18 | 124  | 18  |
| SDS-V3-plasma-24_Cluster_603_sequences=18 | 124  | 18  |
| SDS-V3-plasma-24_Cluster_293_sequences=18 | 124  | 18  |
| SDS-V3-plasma-24_Cluster_1106_sequences=18 | 124  | 18  |
| SDS-V3-plasma-24_Cluster_2191_sequences=18 | 124  | 18  |
| SDS-V3-plasma-24_Cluster_2328_sequences=18 | 124  | 18  |
| SDS-V3-plasma-24_Cluster_854_sequences=18 | 124  | 18  |
| SDS-V3-plasma-27_Cluster_1123_sequences=18 | 131  | 18  |
| SDS-V3-plasma-27_Cluster_206_sequences=18 | 131  | 18  |
| SDS-V3-plasma-27_Cluster_287_sequences=18 | 131  | 18  |
| SDS-V3-plasma-27_Cluster_391_sequences=18 | 131  | 18  |
| SDS-V3-plasma-27_Cluster_4579_sequences=18 | 131  | 18  |
| SDS-V3-plasma-27_Cluster_826_sequences=18 | 131  | 18  |
| SDS-V3-plasma-27_Cluster_1354_sequences=18 | 131  | 18  |
| SDS-V3-plasma-27_Cluster_994_sequences=18 | 131  | 18  |
| SDS-V3-plasma-27_Cluster_1459_sequences=18 | 131  | 18  |
| SDS-V3-plasma-27_Cluster_951_sequences=18 | 131  | 18  |
| SDS-V3-plasma-27_Cluster_1785_sequences=18 | 131  | 18  |
| SDS-V3-plasma-27_Cluster_258_sequences=18 | 131  | 18  |
| SDS-V3-plasma-27_Cluster_571_sequences=18 | 131  | 18  |
| SDS-V3-plasma-27_Cluster_1166_sequences=18 | 131  | 18  |
| SDS-V3-plasma-27_Cluster_226_sequences=18 | 131  | 18  |
| SDS-V3-plasma-27_Cluster_3629_sequences=18 | 131  | 18  |
| SDS-V3-plasma-27_Cluster_1253_sequences=18 | 131  | 18  |
| SDS-V3-plasma-27_Cluster_1960_sequences=18 | 131  | 18  |
| SDS-V3-plasma-27_Cluster_956_sequences=18 | 131  | 18  |
| SDS-V3-plasma-45_Cluster_6001_sequences=18 | 282  | 18  |
| SDS-V3-plasma-45_Cluster_8057_sequences=18 | 282  | 18  |
| SDS-V3-plasma-45_Cluster_5429_sequences=18 | 282  | 18  |
| SDS-V3-plasma-45_Cluster_38290_sequences=18 | 282  | 18  |
| SDS-V3-plasma-45_Cluster_16896_sequences=18 | 282  | 18  |
| SDS-V3-plasma-45_Cluster_5619_sequences=18 | 282  | 18  |
| SDS-V3-plasma-45_Cluster_11373_sequences=18 | 282  | 18  |
| SDS-V3-plasma-45_Cluster_10608_sequences=18 | 282  | 18  |
| SDS-V3-plasma-45_Cluster_12075_sequences=18 | 282  | 18  |
| SDS-V3-plasma-45_Cluster_8912_sequences=18 | 282  | 18  |
| SDS-V3-plasma-45_Cluster_16190_sequences=18 | 282  | 18  |
| SDS-V3-plasma-45_Cluster_6592_sequences=18 | 282  | 18  |
| SDS-V3-plasma-45_Cluster_5807_sequences=18 | 282  | 18  |
| Cluster Name                  | Sequences | Length | |
|------------------------------|-----------|--------|---|
| SDS-V3-plasma-45_Cluster_12173_sequences | 18        | 282    | 18 |
| SDS-V3-plasma-45_Cluster_13324_sequences | 18        | 282    | 18 |
| SDS-V3-plasma-45_Cluster_13857_sequences | 18        | 282    | 18 |
| SDS-V3-plasma-45_Cluster_24705_sequences | 18        | 282    | 18 |
| SDS-V3-plasma-45_Cluster_3517_sequences | 18        | 282    | 18 |
| SDS-V3-plasma-45_Cluster_4211_sequences | 18        | 282    | 18 |
| SDS-V3-plasma-45_Cluster_4712_sequences | 18        | 282    | 18 |
| SDS-V3-plasma-45_Cluster_5739_sequences | 18        | 282    | 18 |
| SDS-V3-plasma-45_Cluster_6208_sequences | 18        | 282    | 18 |
| SDS-V3-plasma-45_Cluster_15762_sequences | 18        | 282    | 18 |
| SDS-V3-plasma-45_Cluster_18894_sequences | 18        | 282    | 18 |
| SDS-V3-plasma-45_Cluster_19417_sequences | 18        | 282    | 18 |
| SDS-V3-plasma-45_Cluster_14243_sequences | 18        | 282    | 18 |
| SDS-V3-plasma-45_Cluster_8891_sequences | 18        | 282    | 18 |
| SDS-V3-plasma-45_Cluster_7758_sequences | 18        | 282    | 18 |
| SDS-V3-plasma-45_Cluster_10393_sequences | 18        | 282    | 18 |
| SDS-V3-plasma-45_Cluster_10561_sequences | 18        | 282    | 18 |
| SDS-V3-plasma-45_Cluster_11126_sequences | 18        | 282    | 18 |
| SDS-V3-plasma-45_Cluster_13319_sequences | 18        | 282    | 18 |
| SDS-V3-plasma-45_Cluster_18323_sequences | 18        | 282    | 18 |
| SDS-V3-plasma-45_Cluster_5670_sequences | 18        | 282    | 18 |
| SDS-V3-plasma-45_Cluster_2293_sequences | 18        | 282    | 18 |
| SDS-V3-plasma-45_Cluster_2437_sequences | 18        | 282    | 18 |
| SDS-V3-plasma-45_Cluster_4698_sequences | 18        | 282    | 18 |
| SDS-V3-plasma-45_Cluster_7292_sequences | 18        | 282    | 18 |
| SDS-V3-plasma-45_Cluster_13687_sequences | 18        | 282    | 18 |
| SDS-V3-plasma-45_Cluster_14417_sequences | 18        | 282    | 18 |
| SDS-V3-plasma-45_Cluster_7541_sequences | 18        | 282    | 18 |
| SDS-V3-plasma-45_Cluster_4540_sequences | 18        | 282    | 18 |
| SDS-V3-plasma-45_Cluster_25231_sequences | 18        | 282    | 18 |
| SDS-V3-plasma-45_Cluster_9820_sequences | 18        | 282    | 18 |
| SDS-V3-plasma-45_Cluster_3653_sequences | 18        | 282    | 18 |
| SDS-V3-plasma-45_Cluster_16929_sequences | 18        | 282    | 18 |
| SDS-V3-plasma-45_Cluster_3123_sequences | 18        | 282    | 18 |
| SDS-V3-plasma-45_Cluster_21914_sequences | 18        | 282    | 18 |
| SDS-V3-plasma-45_Cluster_14395_sequences | 18        | 282    | 18 |
| SDS-V3-plasma-45_Cluster_8765_sequences | 18        | 282    | 18 |
| SDS-V3-plasma-45_Cluster_4116_sequences | 18        | 282    | 18 |
| SDS-V3-plasma-45_Cluster_17275_sequences | 18        | 282    | 18 |
| SDS-V3-plasma-45_Cluster_14799_sequences | 18        | 282    | 18 |
| SDS-V3-plasma-45_Cluster_14103_sequences | 18        | 282    | 18 |
| SDS-V3-plasma-45_Cluster_22758_sequences | 18        | 282    | 18 |
| SDS-V3-plasma-45_Cluster_5302_sequences | 18        | 282    | 18 |
| SDS-V3-plasma-45_Cluster_1540_sequences | 18        | 282    | 18 |
| Cluster Name                                      | Sequences | Phage ID |
|--------------------------------------------------|-----------|----------|
| SDS-V3-plasma-67_Cluster_6232_sequences          | 18        | 504      |
| SDS-V3-plasma-67_Cluster_360_sequences           | 18        | 504      |
| SDS-V3-plasma-67_Cluster_9295_sequences          | 18        | 504      |
| SDS-V3-plasma-67_Cluster_8328_sequences          | 18        | 504      |
| SDS-V3-plasma-67_Cluster_4698_sequences          | 18        | 504      |
| SDS-V3-plasma-67_Cluster_21779_sequences        | 18        | 504      |
| SDS-V3-plasma-67_Cluster_12349_sequences        | 18        | 504      |
| SDS-V3-plasma-67_Cluster_4145_sequences          | 18        | 504      |
| SDS-V3-plasma-67_Cluster_7106_sequences          | 18        | 504      |
| SDS-V3-plasma-67_Cluster_12303_sequences        | 18        | 504      |
| SDS-V3-plasma-67_Cluster_16840_sequences        | 18        | 504      |
| SDS-V3-plasma-67_Cluster_23463_sequences        | 18        | 504      |
| SDS-V3-plasma-67_Cluster_3251_sequences          | 18        | 504      |
| SDS-V3-plasma-67_Cluster_3537_sequences          | 18        | 504      |
| SDS-V3-plasma-67_Cluster_3885_sequences          | 18        | 504      |
| SDS-V3-plasma-67_Cluster_3973_sequences          | 18        | 504      |
| SDS-V3-plasma-67_Cluster_51184_sequences        | 18        | 504      |
| SDS-V3-plasma-67_Cluster_6563_sequences          | 18        | 504      |
| SDS-V3-plasma-67_Cluster_7575_sequences          | 18        | 504      |
| SDS-V3-plasma-67_Cluster_7828_sequences          | 18        | 504      |
| SDS-V3-plasma-67_Cluster_78_sequences            | 18        | 504      |
| SDS-V3-plasma-67_Cluster_7414_sequences          | 18        | 504      |
| SDS-V3-plasma-67_Cluster_12275_sequences        | 18        | 504      |
| SDS-V3-plasma-67_Cluster_13442_sequences        | 18        | 504      |
| SDS-V3-plasma-67_Cluster_5649_sequences          | 18        | 504      |
| SDS-V3-plasma-67_Cluster_13578_sequences        | 18        | 504      |
| SDS-V3-plasma-67_Cluster_8395_sequences          | 18        | 504      |
| SDS-V3-plasma-67_Cluster_30416_sequences        | 18        | 504      |
| SDS-V3-plasma-67_Cluster_2612_sequences          | 18        | 504      |
| SDS-V3-plasma-67_Cluster_9570_sequences          | 18        | 504      |
| SDS-V3-plasma-67_Cluster_7059_sequences          | 18        | 504      |
| SDS-V3-plasma-67_Cluster_10836_sequences        | 18        | 504      |
| SDS-V3-plasma-67_Cluster_8931_sequences          | 18        | 504      |
| SDS-V3-plasma-67_Cluster_23901_sequences        | 18        | 504      |
| SDS-V3-plasma-67_Cluster_15448_sequences        | 18        | 504      |
| SDS-V3-plasma-67_Cluster_15384_sequences        | 18        | 504      |
| SDS-V3-plasma-67_Cluster_12904_sequences        | 18        | 504      |
| SDS-V3-plasma-67_Cluster_3183_sequences          | 18        | 504      |
| SDS-V3-plasma-67_Cluster_11623_sequences        | 18        | 504      |
| SDS-V3-plasma-67_Cluster_76631_sequences        | 18        | 504      |
| SDS-V3-plasma-67_Cluster_9209_sequences         | 18        | 504      |
| SDS-V3-plasma-67_Cluster_9459_sequences         | 18        | 504      |
| SDS-V3-plasma-67_Cluster_11378_sequences        | 18        | 504      |
| SDS-V3-plasma-67_Cluster_24700_sequences        | 18        | 504      |
| Cluster Description                     | Sequences | 489 | 17 |
|-----------------------------------------|-----------|-----|----|
| SDS-V3-PBMC-63_Cluster_1209_sequences  | 17        |     |    |
| SDS-V3-plasma-0_Cluster_2133_sequences  | 17        |     |    |
| SDS-V3-plasma-0_Cluster_1662_sequences  | 17        |     |    |
| SDS-V3-plasma-0_Cluster_1582_sequences  | 17        |     |    |
| SDS-V3-plasma-0_Cluster_1889_sequences  | 17        |     |    |
| SDS-V3-plasma-0_Cluster_11652_sequences | 17        |     |    |
| SDS-V3-plasma-0_Cluster_1237_sequences  | 17        |     |    |
| SDS-V3-plasma-0_Cluster_2063_sequences  | 17        |     |    |
| SDS-V3-plasma-0_Cluster_2215_sequences  | 17        |     |    |
| SDS-V3-plasma-0_Cluster_2271_sequences  | 17        |     |    |
| SDS-V3-plasma-0_Cluster_258_sequences    | 17        |     |    |
| SDS-V3-plasma-0_Cluster_3633_sequences  | 17        |     |    |
| SDS-V3-plasma-0_Cluster_3751_sequences  | 17        |     |    |
| SDS-V3-plasma-0_Cluster_390_sequences    | 17        |     |    |
| SDS-V3-plasma-0_Cluster_4962_sequences  | 17        |     |    |
| SDS-V3-plasma-0_Cluster_5206_sequences  | 17        |     |    |
| SDS-V3-plasma-0_Cluster_6031_sequences  | 17        |     |    |
| SDS-V3-plasma-0_Cluster_6120_sequences  | 17        |     |    |
| SDS-V3-plasma-0_Cluster_827_sequences    | 17        |     |    |
| SDS-V3-plasma-0_Cluster_841_sequences    | 17        |     |    |
| SDS-V3-plasma-0_Cluster_1021_sequences   | 17        |     |    |
| SDS-V3-plasma-0_Cluster_2034_sequences   | 17        |     |    |
| SDS-V3-plasma-0_Cluster_25180_sequences | 17        |     |    |
| SDS-V3-plasma-0_Cluster_13342_sequences | 17        |     |    |
| SDS-V3-plasma-0_Cluster_3385_sequences   | 17        |     |    |
| SDS-V3-plasma-0_Cluster_154_sequences    | 17        |     |    |
| SDS-V3-plasma-0_Cluster_4323_sequences   | 17        |     |    |
| SDS-V3-plasma-0_Cluster_1475_sequences   | 17        |     |    |
| SDS-V3-plasma-0_Cluster_10183_sequences | 17        |     |    |
| SDS-V3-plasma-0_Cluster_1510_sequences   | 17        |     |    |
| SDS-V3-plasma-0_Cluster_2987_sequences   | 17        |     |    |
| SDS-V3-plasma-0_Cluster_8621_sequences   | 17        |     |    |
| SDS-V3-plasma-0_Cluster_1454_sequences   | 17        |     |    |
| SDS-V3-plasma-0_Cluster_915_sequences    | 17        |     |    |
| SDS-V3-plasma-0_Cluster_738_sequences    | 17        |     |    |
| SDS-V3-plasma-0_Cluster_695_sequences    | 17        |     |    |
| SDS-V3-plasma-0_Cluster_7082_sequences   | 17        |     |    |
| SDS-V3-plasma-0_Cluster_780_sequences    | 17        |     |    |
| SDS-V3-plasma-0_Cluster_4692_sequences   | 17        |     |    |
| SDS-V3-plasma-0_Cluster_1048_sequences   | 17        |     |    |
| SDS-V3-plasma-0_Cluster_2547_sequences   | 17        |     |    |
| SDS-V3-plasma-0_Cluster_2841_sequences   | 17        |     |    |
| SDS-V3-plasma-0_Cluster_4477_sequences   | 17        |     |    |
| SDS-V3-plasma-0_Cluster_5399_sequences   | 17        |     |    |
| SDS-V3-plasma-0_Cluster_5989_sequences   | 17        |     |    |
| Cluster Description                                      | Number of Sequences | Cluster ID |
|----------------------------------------------------------|---------------------|------------|
| SDS-V3-plasma-0_Cluster_12221_sequences=17              | 17                  |            |
| SDS-V3-plasma-0_Cluster_3786_sequences=17               | 17                  |            |
| SDS-V3-plasma-0_Cluster_399_sequences=17                | 17                  |            |
| SDS-V3-plasma-0_Cluster_4442_sequences=17               | 17                  |            |
| SDS-V3-plasma-0_Cluster_3044_sequences=17               | 17                  |            |
| SDS-V3-plasma-0_Cluster_1364_sequences=17               | 17                  |            |
| SDS-V3-plasma-0_Cluster_1388_sequences=17               | 17                  |            |
| SDS-V3-plasma-0_Cluster_4918_sequences=17               | 17                  |            |
| SDS-V3-plasma-0_Cluster_687_sequences=17                | 17                  |            |
| SDS-V3-plasma-5_Cluster_150_sequences=17                | 17                  |            |
| SDS-V3-plasma-5_Cluster_378_sequences=17                | 17                  |            |
| SDS-V3-plasma-5_Cluster_507_sequences=17                | 17                  |            |
| SDS-V3-plasma-5_Cluster_615_sequences=17                | 17                  |            |
| SDS-V3-plasma-5_Cluster_173_sequences=17                | 17                  |            |
| SDS-V3-plasma-5_Cluster_208_sequences=17                | 17                  |            |
| SDS-V3-plasma-5_Cluster_329_sequences=17                | 17                  |            |
| SDS-V3-plasma-5_Cluster_552_sequences=17                | 17                  |            |
| SDS-V3-plasma-5_Cluster_56_sequences=17                 | 17                  |            |
| SDS-V3-plasma-5_Cluster_701_sequences=17                | 17                  |            |
| SDS-V3-plasma-5_Cluster_779_sequences=17                | 17                  |            |
| SDS-V3-plasma-7_Cluster_1457_sequences=17               | 17                  |            |
| SDS-V3-plasma-7_Cluster_691_sequences=17                | 17                  |            |
| SDS-V3-plasma-7_Cluster_124_sequences=17                | 17                  |            |
| SDS-V3-plasma-7_Cluster_1790_sequences=17               | 17                  |            |
| SDS-V3-plasma-7_Cluster_285_sequences=17                | 17                  |            |
| SDS-V3-plasma-7_Cluster_3185_sequences=17               | 17                  |            |
| SDS-V3-plasma-7_Cluster_4087_sequences=17               | 17                  |            |
| SDS-V3-plasma-7_Cluster_1864_sequences=17               | 17                  |            |
| SDS-V3-plasma-7_Cluster_2533_sequences=17               | 17                  |            |
| SDS-V3-plasma-7_Cluster_1054_sequences=17               | 17                  |            |
| SDS-V3-plasma-7_Cluster_8021_sequences=17               | 17                  |            |
| SDS-V3-plasma-7_Cluster_980_sequences=17                | 17                  |            |
| SDS-V3-plasma-7_Cluster_7899_sequences=17               | 17                  |            |
| SDS-V3-plasma-7_Cluster_1393_sequences=17               | 17                  |            |
| SDS-V3-plasma-7_Cluster_1722_sequences=17               | 17                  |            |
| SDS-V3-plasma-8_Cluster_158_sequences=17                | 17                  |            |
| SDS-V3-plasma-8_Cluster_292_sequences=17                | 17                  |            |
| SDS-V3-plasma-8_Cluster_4205_sequences=17               | 17                  |            |
| SDS-V3-plasma-8_Cluster_2946_sequences=17               | 17                  |            |
| SDS-V3-plasma-8_Cluster_2531_sequences=17               | 17                  |            |
| SDS-V3-plasma-8_Cluster_4746_sequences=17               | 17                  |            |
| SDS-V3-plasma-8_Cluster_2504_sequences=17               | 17                  |            |
| SDS-V3-plasma-8_Cluster_6143_sequences=17               | 17                  |            |
| SDS-V3-plasma-8_Cluster_4645_sequences=17               | 17                  |            |
| SDS-V3-plasma-24_Cluster_1028_sequences=17             | 17                  |            |

- SDS-V3-plasma-0_Cluster_12221_sequences=17: Cluster ID 0 with 17 sequences.
- SDS-V3-plasma-0_Cluster_3786_sequences=17: Cluster ID 0 with 17 sequences.
- SDS-V3-plasma-0_Cluster_399_sequences=17: Cluster ID 0 with 17 sequences.
- SDS-V3-plasma-0_Cluster_4442_sequences=17: Cluster ID 0 with 17 sequences.
- SDS-V3-plasma-0_Cluster_3044_sequences=17: Cluster ID 0 with 17 sequences.
- SDS-V3-plasma-0_Cluster_1364_sequences=17: Cluster ID 0 with 17 sequences.
- SDS-V3-plasma-0_Cluster_1388_sequences=17: Cluster ID 0 with 17 sequences.
- SDS-V3-plasma-0_Cluster_4918_sequences=17: Cluster ID 0 with 17 sequences.
- SDS-V3-plasma-0_Cluster_687_sequences=17: Cluster ID 0 with 17 sequences.
- SDS-V3-plasma-5_Cluster_150_sequences=17: Cluster ID 9 with 17 sequences.
- SDS-V3-plasma-5_Cluster_378_sequences=17: Cluster ID 9 with 17 sequences.
- SDS-V3-plasma-5_Cluster_507_sequences=17: Cluster ID 9 with 17 sequences.
- SDS-V3-plasma-5_Cluster_615_sequences=17: Cluster ID 9 with 17 sequences.
- SDS-V3-plasma-5_Cluster_173_sequences=17: Cluster ID 9 with 17 sequences.
- SDS-V3-plasma-5_Cluster_208_sequences=17: Cluster ID 9 with 17 sequences.
- SDS-V3-plasma-5_Cluster_329_sequences=17: Cluster ID 9 with 17 sequences.
- SDS-V3-plasma-5_Cluster_552_sequences=17: Cluster ID 9 with 17 sequences.
- SDS-V3-plasma-5_Cluster_56_sequences=17: Cluster ID 9 with 17 sequences.
- SDS-V3-plasma-5_Cluster_701_sequences=17: Cluster ID 9 with 17 sequences.
- SDS-V3-plasma-5_Cluster_779_sequences=17: Cluster ID 9 with 17 sequences.
- SDS-V3-plasma-7_Cluster_1457_sequences=17: Cluster ID 14 with 17 sequences.
- SDS-V3-plasma-7_Cluster_691_sequences=17: Cluster ID 14 with 17 sequences.
- SDS-V3-plasma-7_Cluster_124_sequences=17: Cluster ID 14 with 17 sequences.
- SDS-V3-plasma-7_Cluster_1790_sequences=17: Cluster ID 14 with 17 sequences.
- SDS-V3-plasma-7_Cluster_285_sequences=17: Cluster ID 14 with 17 sequences.
- SDS-V3-plasma-7_Cluster_3185_sequences=17: Cluster ID 14 with 17 sequences.
- SDS-V3-plasma-7_Cluster_4087_sequences=17: Cluster ID 14 with 17 sequences.
- SDS-V3-plasma-7_Cluster_1864_sequences=17: Cluster ID 14 with 17 sequences.
- SDS-V3-plasma-7_Cluster_2533_sequences=17: Cluster ID 14 with 17 sequences.
- SDS-V3-plasma-7_Cluster_1054_sequences=17: Cluster ID 14 with 17 sequences.
- SDS-V3-plasma-7_Cluster_8021_sequences=17: Cluster ID 14 with 17 sequences.
- SDS-V3-plasma-7_Cluster_980_sequences=17: Cluster ID 14 with 17 sequences.
- SDS-V3-plasma-7_Cluster_7899_sequences=17: Cluster ID 14 with 17 sequences.
- SDS-V3-plasma-7_Cluster_1393_sequences=17: Cluster ID 14 with 17 sequences.
- SDS-V3-plasma-7_Cluster_1722_sequences=17: Cluster ID 14 with 17 sequences.
- SDS-V3-plasma-8_Cluster_158_sequences=17: Cluster ID 16 with 17 sequences.
- SDS-V3-plasma-8_Cluster_292_sequences=17: Cluster ID 16 with 17 sequences.
- SDS-V3-plasma-8_Cluster_4205_sequences=17: Cluster ID 16 with 17 sequences.
- SDS-V3-plasma-8_Cluster_2946_sequences=17: Cluster ID 16 with 17 sequences.
- SDS-V3-plasma-8_Cluster_2531_sequences=17: Cluster ID 16 with 17 sequences.
- SDS-V3-plasma-8_Cluster_4746_sequences=17: Cluster ID 16 with 17 sequences.
- SDS-V3-plasma-8_Cluster_2504_sequences=17: Cluster ID 16 with 17 sequences.
- SDS-V3-plasma-8_Cluster_6143_sequences=17: Cluster ID 16 with 17 sequences.
- SDS-V3-plasma-8_Cluster_4645_sequences=17: Cluster ID 16 with 17 sequences.
- SDS-V3-plasma-24_Cluster_1028_sequences=17: Cluster ID 124 with 17 sequences.
| Cluster Name                                      | Sequences | Score |
|--------------------------------------------------|-----------|-------|
| SDS-V3-plasma-45_Cluster_4229_sequences          | 17        | 282   |
| SDS-V3-plasma-45_Cluster_12368_sequences        | 17        | 282   |
| SDS-V3-plasma-45_Cluster_26693_sequences       | 17        | 282   |
| SDS-V3-plasma-45_Cluster_6983_sequences        | 17        | 282   |
| SDS-V3-plasma-45_Cluster_9379_sequences        | 17        | 282   |
| SDS-V3-plasma-45_Cluster_66_sequences          | 17        | 282   |
| SDS-V3-plasma-45_Cluster_6833_sequences        | 17        | 282   |
| SDS-V3-plasma-45_Cluster_20957_sequences       | 17        | 282   |
| SDS-V3-plasma-45_Cluster_22684_sequences       | 17        | 282   |
| SDS-V3-plasma-45_Cluster_15142_sequences       | 17        | 282   |
| SDS-V3-plasma-45_Cluster_7750_sequences         | 17        | 282   |
| SDS-V3-plasma-45_Cluster_19767_sequences       | 17        | 282   |
| SDS-V3-plasma-45_Cluster_6637_sequences        | 17        | 282   |
| SDS-V3-plasma-45_Cluster_22888_sequences       | 17        | 282   |
| SDS-V3-plasma-45_Cluster_14274_sequences       | 17        | 282   |
| SDS-V3-plasma-45_Cluster_11802_sequences       | 17        | 282   |
| SDS-V3-plasma-45_Cluster_12279_sequences       | 17        | 282   |
| SDS-V3-plasma-45_Cluster_12816_sequences       | 17        | 282   |
| SDS-V3-plasma-45_Cluster_13717_sequences       | 17        | 282   |
| SDS-V3-plasma-45_Cluster_14825_sequences       | 17        | 282   |
| SDS-V3-plasma-45_Cluster_1850_sequences         | 17        | 282   |
| SDS-V3-plasma-45_Cluster_2052_sequences         | 17        | 282   |
| SDS-V3-plasma-45_Cluster_6144_sequences         | 17        | 282   |
| SDS-V3-plasma-45_Cluster_7254_sequences         | 17        | 282   |
| SDS-V3-plasma-45_Cluster_741_sequences          | 17        | 282   |
| SDS-V3-plasma-45_Cluster_7505_sequences         | 17        | 282   |
| SDS-V3-plasma-45_Cluster_9264_sequences         | 17        | 282   |
| SDS-V3-plasma-45_Cluster_10212_sequences       | 17        | 282   |
| SDS-V3-plasma-45_Cluster_15112_sequences       | 17        | 282   |
| SDS-V3-plasma-45_Cluster_24628_sequences       | 17        | 282   |
| SDS-V3-plasma-45_Cluster_4094_sequences         | 17        | 282   |
| SDS-V3-plasma-45_Cluster_4099_sequences         | 17        | 282   |
| SDS-V3-plasma-45_Cluster_4976_sequences         | 17        | 282   |
| SDS-V3-plasma-45_Cluster_5770_sequences         | 17        | 282   |
| SDS-V3-plasma-45_Cluster_6652_sequences         | 17        | 282   |
| SDS-V3-plasma-45_Cluster_14244_sequences       | 17        | 282   |
| SDS-V3-plasma-45_Cluster_25240_sequences       | 17        | 282   |
| SDS-V3-plasma-45_Cluster_4397_sequences         | 17        | 282   |
| SDS-V3-plasma-45_Cluster_10594_sequences       | 17        | 282   |
| SDS-V3-plasma-45_Cluster_10868_sequences       | 17        | 282   |
| SDS-V3-plasma-45_Cluster_4063_sequences         | 17        | 282   |
| SDS-V3-plasma-45_Cluster_1264_sequences         | 17        | 282   |
| SDS-V3-plasma-45_Cluster_12820_sequences       | 17        | 282   |
| SDS-V3-plasma-45_Cluster_9756_sequences         | 17        | 282   |
| SDS-V3-plasma-45_Cluster_832_sequences          | 17        | 282   |
| Cluster Name                                | Sequences |
|---------------------------------------------|-----------|
| SDS-V3-plasma-45_Cluster_9514_sequences=17  | 282       |
| SDS-V3-plasma-45_Cluster_4644_sequences=17  | 282       |
| SDS-V3-plasma-45_Cluster_4642_sequences=17  | 282       |
| SDS-V3-plasma-45_Cluster_8278_sequences=17  | 282       |
| SDS-V3-plasma-45_Cluster_3860_sequences=17  | 282       |
| SDS-V3-plasma-45_Cluster_2300_sequences=17  | 282       |
| SDS-V3-plasma-45_Cluster_27049_sequences=17 | 282       |
| SDS-V3-plasma-45_Cluster_2796_sequences=17  | 282       |
| SDS-V3-plasma-45_Cluster_6826_sequences=17  | 282       |
| SDS-V3-plasma-45_Cluster_8502_sequences=17  | 282       |
| SDS-V3-plasma-45_Cluster_11489_sequences=17 | 282       |
| SDS-V3-plasma-45_Cluster_5928_sequences=17  | 282       |
| SDS-V3-plasma-45_Cluster_15936_sequences=17 | 282       |
| SDS-V3-plasma-45_Cluster_4768_sequences=17  | 282       |
| SDS-V3-plasma-45_Cluster_2339_sequences=17  | 282       |
| SDS-V3-plasma-45_Cluster_2548_sequences=17  | 282       |
| SDS-V3-plasma-45_Cluster_15005_sequences=17 | 282       |
| SDS-V3-plasma-45_Cluster_20481_sequences=17 | 282       |
| SDS-V3-plasma-45_Cluster_4853_sequences=17  | 282       |
| SDS-V3-plasma-45_Cluster_21897_sequences=17 | 282       |
| SDS-V3-plasma-45_Cluster_19843_sequences=17 | 282       |
| SDS-V3-plasma-45_Cluster_27221_sequences=17 | 282       |
| SDS-V3-plasma-45_Cluster_5787_sequences=17  | 282       |
| SDS-V3-plasma-45_Cluster_21776_sequences=17 | 282       |
| SDS-V3-plasma-45_Cluster_1011_sequences=17  | 282       |
| SDS-V3-plasma-45_Cluster_16346_sequences=17 | 282       |
| SDS-V3-plasma-45_Cluster_5952_sequences=17  | 282       |
| SDS-V3-plasma-45_Cluster_3813_sequences=17  | 282       |
| SDS-V3-plasma-45_Cluster_66623_sequences=17 | 282       |
| SDS-V3-plasma-45_Cluster_4521_sequences=17  | 282       |
| SDS-V3-plasma-45_Cluster_5831_sequences=17  | 282       |
| SDS-V3-plasma-45_Cluster_22874_sequences=17 | 282       |
| SDS-V3-plasma-45_Cluster_3212_sequences=17  | 282       |
| SDS-V3-plasma-45_Cluster_15717_sequences=17 | 282       |
| SDS-V3-plasma-45_Cluster_5095_sequences=17  | 282       |
| SDS-V3-plasma-45_Cluster_651_sequences=17   | 282       |
| SDS-V3-plasma-45_Cluster_8379_sequences=17  | 282       |
| SDS-V3-plasma-45_Cluster_27430_sequences=17 | 282       |
| SDS-V3-plasma-45_Cluster_13732_sequences=17 | 282       |
| SDS-V3-plasma-45_Cluster_5239_sequences=17  | 282       |
| SDS-V3-plasma-45_Cluster_1890_sequences=17  | 282       |
| SDS-V3-plasma-45_Cluster_8554_sequences=17  | 282       |
| SDS-V3-plasma-45_Cluster_33572_sequences=17 | 282       |
| SDS-V3-plasma-45_Cluster_3905_sequences=17  | 282       |
| SDS-V3-plasma-45_Cluster_796_sequences=17   | 282       |
| Cluster Name                        | Sequences | Length |
|------------------------------------|-----------|--------|
| SDS-V3-plasma-45_Cluster_7878     | 17        | 282    |
| SDS-V3-plasma-45_Cluster_6665     | 17        | 282    |
| SDS-V3-plasma-45_Cluster_4689     | 17        | 282    |
| SDS-V3-plasma-45_Cluster_2559     | 17        | 282    |
| SDS-V3-plasma-45_Cluster_6875     | 17        | 282    |
| SDS-V3-plasma-45_Cluster_838      | 17        | 282    |
| SDS-V3-plasma-45_Cluster_5227     | 17        | 282    |
| SDS-V3-plasma-45_Cluster_4756     | 17        | 282    |
| SDS-V3-plasma-45_Cluster_9758     | 17        | 282    |
| SDS-V3-plasma-45_Cluster_3027     | 17        | 282    |
| SDS-V3-plasma-45_Cluster_6310     | 17        | 282    |
| SDS-V3-plasma-45_Cluster_22528    | 17        | 282    |
| SDS-V3-plasma-45_Cluster_10750    | 17        | 282    |
| SDS-V3-plasma-45_Cluster_4946     | 17        | 282    |
| SDS-V3-plasma-45_Cluster_13185    | 17        | 282    |
| SDS-V3-plasma-45_Cluster_16917    | 17        | 282    |
| SDS-V3-plasma-45_Cluster_1986     | 17        | 282    |
| SDS-V3-plasma-45_Cluster_9140     | 17        | 282    |
| SDS-V3-plasma-45_Cluster_12920    | 17        | 282    |
| SDS-V3-plasma-45_Cluster_6401     | 17        | 282    |
| SDS-V3-plasma-45_Cluster_2560     | 17        | 282    |
| SDS-V3-plasma-45_Cluster_3147     | 17        | 282    |
| SDS-V3-plasma-45_Cluster_10243    | 17        | 282    |
| SDS-V3-plasma-45_Cluster_12573    | 17        | 282    |
| SDS-V3-plasma-45_Cluster_15286    | 17        | 282    |
| SDS-V3-plasma-45_Cluster_224      | 17        | 282    |
| SDS-V3-plasma-45_Cluster_24014    | 17        | 282    |
| SDS-V3-plasma-45_Cluster_33691    | 17        | 282    |
| SDS-V3-plasma-46_Cluster_1791     | 17        | 286    |
| SDS-V3-plasma-46_Cluster_5932     | 17        | 286    |
| SDS-V3-plasma-46_Cluster_8231     | 17        | 286    |
| SDS-V3-plasma-46_Cluster_597      | 17        | 286    |
| SDS-V3-plasma-46_Cluster_9351     | 17        | 286    |
| SDS-V3-plasma-46_Cluster_3967     | 17        | 286    |
| SDS-V3-plasma-46_Cluster_1975     | 17        | 286    |
| SDS-V3-plasma-46_Cluster_8663     | 17        | 286    |
| SDS-V3-plasma-46_Cluster_4877     | 17        | 286    |
| SDS-V3-plasma-46_Cluster_15269    | 17        | 286    |
| SDS-V3-plasma-46_Cluster_3326     | 17        | 286    |
| SDS-V3-plasma-46_Cluster_7740     | 17        | 286    |
| SDS-V3-plasma-46_Cluster_835      | 17        | 286    |
| SDS-V3-plasma-46_Cluster_3215     | 17        | 286    |
| SDS-V3-plasma-46_Cluster_1835     | 17        | 286    |
| SDS-V3-plasma-46_Cluster_2475     | 17        | 286    |
| SDS-V3-plasma-46_Cluster_948      | 17        | 286    |
SDS-V3-plasma-67_Cluster_5007_sequences=17
SDS-V3-PBMC-45_Cluster_29403_sequences=16
SDS-V3-plasma-0_Cluster_1695_sequences=16
SDS-V3-plasma-0_Cluster_1750_sequences=16
SDS-V3-plasma-0_Cluster_2548_sequences=16
SDS-V3-plasma-0_Cluster_5902_sequences=16
SDS-V3-plasma-0_Cluster_1105_sequences=16
SDS-V3-plasma-0_Cluster_1340_sequences=16
SDS-V3-plasma-0_Cluster_1609_sequences=16
SDS-V3-plasma-0_Cluster_1763_sequences=16
SDS-V3-plasma-0_Cluster_1879_sequences=16
SDS-V3-plasma-0_Cluster_2512_sequences=16
SDS-V3-plasma-0_Cluster_317_sequences=16
SDS-V3-plasma-0_Cluster_4276_sequences=16
SDS-V3-plasma-0_Cluster_4964_sequences=16
SDS-V3-plasma-0_Cluster_5531_sequences=16
SDS-V3-plasma-0_Cluster_7094_sequences=16
SDS-V3-plasma-0_Cluster_8091_sequences=16
SDS-V3-plasma-0_Cluster_9588_sequences=16
SDS-V3-plasma-0_Cluster_4666_sequences=16
SDS-V3-plasma-0_Cluster_2574_sequences=16
SDS-V3-plasma-0_Cluster_2541_sequences=16
SDS-V3-plasma-0_Cluster_2041_sequences=16
SDS-V3-plasma-0_Cluster_14193_sequences=16
SDS-V3-plasma-0_Cluster_3728_sequences=16
SDS-V3-plasma-0_Cluster_4072_sequences=16
SDS-V3-plasma-0_Cluster_3315_sequences=16
SDS-V3-plasma-0_Cluster_1057_sequences=16
SDS-V3-plasma-0_Cluster_1835_sequences=16
SDS-V3-plasma-0_Cluster_4113_sequences=16
SDS-V3-plasma-0_Cluster_7406_sequences=16
SDS-V3-plasma-0_Cluster_269_sequences=16
SDS-V3-plasma-0_Cluster_1045_sequences=16
SDS-V3-plasma-0_Cluster_1478_sequences=16
SDS-V3-plasma-0_Cluster_1998_sequences=16
SDS-V3-plasma-0_Cluster_4283_sequences=16
SDS-V3-plasma-0_Cluster_432_sequences=16
SDS-V3-plasma-0_Cluster_696_sequences=16
SDS-V3-plasma-0_Cluster_11422_sequences=16
SDS-V3-plasma-0_Cluster_1854_sequences=16
SDS-V3-plasma-0_Cluster_452_sequences=16
SDS-V3-plasma-0_Cluster_9965_sequences=16
SDS-V3-plasma-0_Cluster_3613_sequences=16
SDS-V3-plasma-0_Cluster_3938_sequences=16
SDS-V3-plasma-0_Cluster_4333_sequences=16
| Cluster Name                        | Size     |
|------------------------------------|----------|
| SDS-V3-plasma-24_Cluster_1188      | 124      |
| 1188_sequences=16                  | 16       |
| SDS-V3-plasma-24_Cluster_2673      | 124      |
| 2673_sequences=16                  | 16       |
| SDS-V3-plasma-24_Cluster_211       | 124      |
| 211_sequences=16                   | 16       |
| SDS-V3-plasma-24_Cluster_5910      | 124      |
| 5910_sequences=16                  | 16       |
| SDS-V3-plasma-24_Cluster_1463      | 124      |
| 1463_sequences=16                  | 16       |
| SDS-V3-plasma-24_Cluster_813       | 124      |
| 813_sequences=16                   | 16       |
| SDS-V3-plasma-24_Cluster_1438      | 124      |
| 1438_sequences=16                  | 16       |
| SDS-V3-plasma-24_Cluster_841       | 124      |
| 841_sequences=16                   | 16       |
| SDS-V3-plasma-24_Cluster_3055      | 124      |
| 3055_sequences=16                  | 16       |
| SDS-V3-plasma-24_Cluster_1774      | 131      |
| 1774_sequences=16                  | 16       |
| SDS-V3-plasma-24_Cluster_2081      | 131      |
| 2081_sequences=16                  | 16       |
| SDS-V3-plasma-24_Cluster_2250      | 131      |
| 2250_sequences=16                  | 16       |
| SDS-V3-plasma-24_Cluster_3777      | 131      |
| 3777_sequences=16                  | 16       |
| SDS-V3-plasma-27_Cluster_599       | 131      |
| 599_sequences=16                   | 16       |
| SDS-V3-plasma-27_Cluster_910       | 131      |
| 910_sequences=16                   | 16       |
| SDS-V3-plasma-27_Cluster_961       | 131      |
| 961_sequences=16                   | 16       |
| SDS-V3-plasma-27_Cluster_1289      | 131      |
| 1289_sequences=16                  | 16       |
| SDS-V3-plasma-27_Cluster_736       | 131      |
| 736_sequences=16                   | 16       |
| SDS-V3-plasma-27_Cluster_3654      | 131      |
| 3654_sequences=16                  | 16       |
| SDS-V3-plasma-27_Cluster_2034      | 131      |
| 2034_sequences=16                  | 16       |
| SDS-V3-plasma-27_Cluster_828       | 131      |
| 828_sequences=16                   | 16       |
| SDS-V3-plasma-27_Cluster_1993      | 131      |
| 1993_sequences=16                  | 16       |
| SDS-V3-plasma-27_Cluster_304       | 131      |
| 304_sequences=16                   | 16       |
| SDS-V3-plasma-27_Cluster_807       | 131      |
| 807_sequences=16                   | 16       |
| SDS-V3-plasma-27_Cluster_2363      | 131      |
| 2363_sequences=16                  | 16       |
| SDS-V3-plasma-27_Cluster_9         | 131      |
| 9_sequences=16                     | 16       |
| SDS-V3-plasma-27_Cluster_545       | 131      |
| 545_sequences=16                   | 16       |
| SDS-V3-plasma-27_Cluster_3763      | 131      |
| 3763_sequences=16                  | 16       |
| SDS-V3-plasma-27_Cluster_1905      | 131      |
| 1905_sequences=16                  | 16       |
| SDS-V3-plasma-45_Cluster_8663      | 282      |
| 8663_sequences=16                  | 16       |
| SDS-V3-plasma-45_Cluster_14929     | 282      |
| 14929_sequences=16                 | 16       |
| SDS-V3-plasma-45_Cluster_27375     | 282      |
| 27375_sequences=16                 | 16       |
| SDS-V3-plasma-45_Cluster_7240      | 282      |
| 7240_sequences=16                  | 16       |
| SDS-V3-plasma-45_Cluster_14510     | 282      |
| 14510_sequences=16                 | 16       |
| SDS-V3-plasma-45_Cluster_5900      | 282      |
| 5900_sequences=16                  | 16       |
| SDS-V3-plasma-45_Cluster_504       | 282      |
| 504_sequences=16                   | 16       |
| SDS-V3-plasma-45_Cluster_7448      | 282      |
| 7448_sequences=16                  | 16       |
| SDS-V3-plasma-45_Cluster_16421     | 282      |
| 16421_sequences=16                 | 16       |
| SDS-V3-plasma-45_Cluster_7240      | 282      |
| 14384_sequences=16                 | 16       |
| SDS-V3-plasma-45_Cluster_43540     | 282      |
| 43540_sequences=16                 | 16       |
| SDS-V3-plasma-45_Cluster_48936     | 282      |
| 48936_sequences=16                 | 16       |
| SDS-V3-plasma-45_Cluster_7266      | 282      |
| 7266_sequences=16                  | 16       |
| SDS-V3-plasma-45_Cluster_9708      | 282      |
| 9708_sequences=16                  | 16       |
| SDS-V3-plasma-45_Cluster_10722     | 282      |
| 10722_sequences=16                 | 16       |
| SDS-V3-plasma-45_Cluster_14384     | 282      |
| 14384_sequences=16                 | 16       |
SDS-V3-plasma-45_Cluster_3524_sequences=16
SDS-V3-plasma-45_Cluster_1635_sequences=16
SDS-V3-plasma-45_Cluster_25726_sequences=16
SDS-V3-plasma-45_Cluster_7848_sequences=16
SDS-V3-plasma-45_Cluster_300_sequences=16
SDS-V3-plasma-45_Cluster_9870_sequences=16
SDS-V3-plasma-45_Cluster_33704_sequences=16
SDS-V3-plasma-45_Cluster_2251_sequences=16
SDS-V3-plasma-45_Cluster_16999_sequences=16
SDS-V3-plasma-45_Cluster_10425_sequences=16
SDS-V3-plasma-45_Cluster_23903_sequences=16
SDS-V3-plasma-45_Cluster_3702_sequences=16
SDS-V3-plasma-45_Cluster_4736_sequences=16
SDS-V3-plasma-45_Cluster_6931_sequences=16
SDS-V3-plasma-45_Cluster_7013_sequences=16
SDS-V3-plasma-45_Cluster_3762_sequences=16
SDS-V3-plasma-45_Cluster_1571_sequences=16
SDS-V3-plasma-45_Cluster_19330_sequences=16
SDS-V3-plasma-45_Cluster_2190_sequences=16
SDS-V3-plasma-45_Cluster_6891_sequences=16
SDS-V3-plasma-45_Cluster_8898_sequences=16
SDS-V3-plasma-45_Cluster_9252_sequences=16
SDS-V3-plasma-45_Cluster_2599_sequences=16
SDS-V3-plasma-45_Cluster_1174_sequences=16
SDS-V3-plasma-45_Cluster_2179_sequences=16
SDS-V3-plasma-45_Cluster_14140_sequences=16
SDS-V3-plasma-45_Cluster_2164_sequences=16
SDS-V3-plasma-45_Cluster_10923_sequences=16
SDS-V3-plasma-45_Cluster_12141_sequences=16
SDS-V3-plasma-45_Cluster_55_sequences=16
SDS-V3-plasma-45_Cluster_13066_sequences=16
SDS-V3-plasma-45_Cluster_14710_sequences=16
SDS-V3-plasma-45_Cluster_8267_sequences=16
SDS-V3-plasma-45_Cluster_17300_sequences=16
SDS-V3-plasma-45_Cluster_18416_sequences=16
SDS-V3-plasma-45_Cluster_21722_sequences=16
SDS-V3-plasma-45_Cluster_2525_sequences=16
SDS-V3-plasma-45_Cluster_5924_sequences=16
SDS-V3-plasma-45_Cluster_4221_sequences=16
SDS-V3-plasma-45_Cluster_6483_sequences=16
SDS-V3-plasma-45_Cluster_18975_sequences=16
SDS-V3-plasma-45_Cluster_29700_sequences=16
SDS-V3-plasma-45_Cluster_6361_sequences=16
SDS-V3-plasma-45_Cluster_9977_sequences=16
SDS-V3-plasma-45_Cluster_34598_sequences=16
|_cluster_name                          | sequences | length | run_num |
|--------------------------------------|-----------|--------|---------|
| SDS-V3-plasma-45_Cluster_32682       | 16        | 282    | 16      |
| SDS-V3-plasma-45_Cluster_4354        | 16        | 282    | 16      |
| SDS-V3-plasma-45_Cluster_35788       | 16        | 282    | 16      |
| SDS-V3-plasma-45_Cluster_13939       | 16        | 282    | 16      |
| SDS-V3-plasma-45_Cluster_28344       | 16        | 282    | 16      |
| SDS-V3-plasma-45_Cluster_13328       | 16        | 282    | 16      |
| SDS-V3-plasma-45_Cluster_3809        | 16        | 282    | 16      |
| SDS-V3-plasma-45_Cluster_5195        | 16        | 282    | 16      |
| SDS-V3-plasma-45_Cluster_22465       | 16        | 282    | 16      |
| SDS-V3-plasma-45_Cluster_6934        | 16        | 282    | 16      |
| SDS-V3-plasma-45_Cluster_4107        | 16        | 282    | 16      |
| SDS-V3-plasma-45_Cluster_6164        | 16        | 282    | 16      |
| SDS-V3-plasma-45_Cluster_4031        | 16        | 282    | 16      |
| SDS-V3-plasma-45_Cluster_8564        | 16        | 282    | 16      |
| SDS-V3-plasma-45_Cluster_27504       | 16        | 282    | 16      |
| SDS-V3-plasma-45_Cluster_16455       | 16        | 282    | 16      |
| SDS-V3-plasma-45_Cluster_4144        | 16        | 282    | 16      |
| SDS-V3-plasma-45_Cluster_12469       | 16        | 282    | 16      |
| SDS-V3-plasma-45_Cluster_7488        | 16        | 282    | 16      |
| SDS-V3-plasma-45_Cluster_7190        | 16        | 282    | 16      |
| SDS-V3-plasma-45_Cluster_30600       | 16        | 282    | 16      |
| SDS-V3-plasma-45_Cluster_9054        | 16        | 282    | 16      |
| SDS-V3-plasma-45_Cluster_28054       | 16        | 282    | 16      |
| SDS-V3-plasma-45_Cluster_11412       | 16        | 282    | 16      |
| SDS-V3-plasma-45_Cluster_13623       | 16        | 282    | 16      |
| SDS-V3-plasma-45_Cluster_4438        | 16        | 282    | 16      |
| SDS-V3-plasma-45_Cluster_6099        | 16        | 282    | 16      |
| SDS-V3-plasma-45_Cluster_1204        | 16        | 282    | 16      |
| SDS-V3-plasma-45_Cluster_15415       | 16        | 282    | 16      |
| SDS-V3-plasma-45_Cluster_1772        | 16        | 282    | 16      |
| SDS-V3-plasma-45_Cluster_11362       | 16        | 282    | 16      |
| SDS-V3-plasma-45_Cluster_20483       | 16        | 282    | 16      |
| SDS-V3-plasma-45_Cluster_6553        | 16        | 282    | 16      |
| SDS-V3-plasma-45_Cluster_22819       | 16        | 282    | 16      |
| SDS-V3-plasma-45_Cluster_5561        | 16        | 282    | 16      |
| SDS-V3-plasma-45_Cluster_1344        | 16        | 282    | 16      |
| SDS-V3-plasma-45_Cluster_21343       | 16        | 282    | 16      |
| SDS-V3-plasma-45_Cluster_7374        | 16        | 282    | 16      |
| SDS-V3-plasma-45_Cluster_5501        | 16        | 282    | 16      |
| SDS-V3-plasma-45_Cluster_17036       | 16        | 282    | 16      |
| SDS-V3-plasma-45_Cluster_6205        | 16        | 282    | 16      |
| SDS-V3-plasma-45_Cluster_7376        | 16        | 282    | 16      |
| SDS-V3-plasma-45_Cluster_1773        | 16        | 282    | 16      |
| SDS-V3-plasma-45_Cluster_4847        | 16        | 282    | 16      |
| SDS-V3-plasma-45_Cluster_34351       | 16        | 282    | 16      |
| Cluster Name                         | Sequences | SDC  |
|-------------------------------------|-----------|------|
| SDS-V3-plasma-67_Cluster_20216      | 16        | 504  |
| SDS-V3-plasma-67_Cluster_12267      | 16        | 504  |
| SDS-V3-plasma-67_Cluster_5839       | 16        | 504  |
| SDS-V3-plasma-67_Cluster_2030       | 16        | 504  |
| SDS-V3-plasma-67_Cluster_11221      | 16        | 504  |
| SDS-V3-plasma-67_Cluster_75577      | 16        | 504  |
| SDS-V3-plasma-67_Cluster_11090      | 16        | 504  |
| SDS-V3-plasma-67_Cluster_28936      | 16        | 504  |
| SDS-V3-plasma-67_Cluster_19274      | 16        | 504  |
| SDS-V3-plasma-67_Cluster_14049      | 16        | 504  |
| SDS-V3-plasma-67_Cluster_8622       | 16        | 504  |
| SDS-V3-plasma-67_Cluster_925        | 16        | 504  |
| SDS-V3-plasma-67_Cluster_9548       | 16        | 504  |
| SDS-V3-plasma-67_Cluster_8518       | 16        | 504  |
| SDS-V3-plasma-67_Cluster_3375       | 16        | 504  |
| SDS-V3-plasma-67_Cluster_12060      | 16        | 504  |
| SDS-V3-plasma-67_Cluster_12216      | 16        | 504  |
| SDS-V3-plasma-67_Cluster_15358      | 16        | 504  |
| SDS-V3-plasma-67_Cluster_18024      | 16        | 504  |
| SDS-V3-plasma-67_Cluster_31436      | 16        | 504  |
| SDS-V3-plasma-67_Cluster_4510       | 16        | 504  |
| SDS-V3-plasma-67_Cluster_6305       | 16        | 504  |
| SDS-V3-plasma-67_Cluster_7134       | 16        | 504  |
| SDS-V3-plasma-67_Cluster_21521      | 16        | 504  |
| SDS-V3-plasma-67_Cluster_35540      | 16        | 504  |
| SDS-V3-plasma-67_Cluster_12465      | 16        | 504  |
| SDS-V3-plasma-67_Cluster_21900      | 16        | 504  |
| SDS-V3-plasma-67_Cluster_52190      | 16        | 504  |
| SDS-V3-plasma-67_Cluster_21184      | 16        | 504  |
| SDS-V3-plasma-67_Cluster_18940      | 16        | 504  |
| SDS-V3-plasma-67_Cluster_1399       | 16        | 504  |
| SDS-V3-plasma-67_Cluster_5183       | 16        | 504  |
| SDS-V3-plasma-67_Cluster_3856       | 16        | 504  |
| SDS-V3-plasma-67_Cluster_4279       | 16        | 504  |
| SDS-V3-plasma-67_Cluster_16612      | 16        | 504  |
| SDS-V3-plasma-67_Cluster_5083       | 16        | 504  |
| SDS-V3-plasma-67_Cluster_34494      | 16        | 504  |
| SDS-V3-plasma-67_Cluster_20823      | 16        | 504  |
| SDS-V3-plasma-67_Cluster_487        | 16        | 504  |
| SDS-V3-plasma-67_Cluster_12703      | 16        | 504  |
| SDS-V3-plasma-67_Cluster_4515       | 16        | 504  |
| SDS-V3-plasma-67_Cluster_7844       | 16        | 504  |
| SDS-V3-plasma-67_Cluster_6411       | 16        | 504  |
| SDS-V3-plasma-67_Cluster_14939      | 16        | 504  |
| SDS-V3-plasma-67_Cluster_12296      | 16        | 504  |
SDS-V3-plasma-67_Cluster_2057_sequences=16 504 16
SDS-V3-plasma-67_Cluster_32809_sequences=16 504 16
SDS-V3-plasma-67_Cluster_9806_sequences=16 504 16
SDS-V3-plasma-67_Cluster_15276_sequences=16 504 16
SDS-V3-plasma-67_Cluster_6148_sequences=16 504 16
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SDS-V3-plasma-67_Cluster_15976_sequences=16 504 16
SDS-V3-plasma-67_Cluster_20393_sequences=16 504 16
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SDS-V3-plasma-67_Cluster_6894_sequences=16 504 16
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SDS-V3-plasma-67_Cluster_3550_sequences=16 504 16
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SDS-V3-plasma-67_Cluster_0_Cluster_8980_sequences=15 0 15
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SDS-V3-plasma-67_Cluster_15019_sequences=15 0 15
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SDS-V3-plasma-67_Cluster_5671_sequences=15 0 15
SDS-V3-plasma-67_Cluster_3908_sequences=15 0 15
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SDS-V3-plasma-67_Cluster_594_sequences=15 0 15
SDS-V3-plasma-67_Cluster_10776_sequences=15 0 15
SDS-V3-plasma-67_Cluster_5318_sequences=15 0 15
SDS-V3-plasma-67_Cluster_2883_sequences=15 0 15
SDS-V3-plasma-67_Cluster_598_sequences=15 0 15
SDS-V3-plasma-67_Cluster_8656_sequences=15 0 15
| Cluster Name | Sequences | Score |
|--------------|-----------|-------|
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| SDS-V3-plasma-45_Cluster_7069_sequences=15 | 282 | 15 |
| SDS-V3-plasma-45_Cluster_7251_sequences=15 | 282 | 15 |
| SDS-V3-plasma-45_Cluster_795_sequences=15 | 282 | 15 |
| SDS-V3-plasma-45_Cluster_844_sequences=15 | 282 | 15 |
| SDS-V3-plasma-45_Cluster_989_sequences=15 | 282 | 15 |
| SDS-V3-plasma-45_Cluster_18482_sequences=15 | 282 | 15 |
| SDS-V3-plasma-45_Cluster_1905_sequences=15 | 282 | 15 |
| SDS-V3-plasma-45_Cluster_19776_sequences=15 | 282 | 15 |
| SDS-V3-plasma-45_Cluster_2228_sequences=15 | 282 | 15 |
| SDS-V3-plasma-45_Cluster_255_sequences=15 | 282 | 15 |
| SDS-V3-plasma-45_Cluster_3897_sequences=15 | 282 | 15 |
| SDS-V3-plasma-45_Cluster_43967_sequences=15 | 282 | 15 |
| SDS-V3-plasma-45_Cluster_4858_sequences=15 | 282 | 15 |
| SDS-V3-plasma-45_Cluster_1277_sequences=15 | 282 | 15 |
| SDS-V3-plasma-45_Cluster_1488_sequences=15 | 282 | 15 |
| SDS-V3-plasma-45_Cluster_13919_sequences=15 | 282 | 15 |
| SDS-V3-plasma-45_Cluster_2081_sequences=15 | 282 | 15 |
| SDS-V3-plasma-45_Cluster_9199_sequences=15 | 282 | 15 |
| SDS-V3-plasma-45_Cluster_13363_sequences=15 | 282 | 15 |
| SDS-V3-plasma-45_Cluster_16077_sequences=15 | 282 | 15 |
| SDS-V3-plasma-45_Cluster_263_sequences=15 | 282 | 15 |
| SDS-V3-plasma-45_Cluster_34551_sequences=15 | 282 | 15 |
| SDS-V3-plasma-45_Cluster_26176_sequences=15 | 282 | 15 |
| SDS-V3-plasma-45_Cluster_19558_sequences=15 | 282 | 15 |
| SDS-V3-plasma-45_Cluster_23755_sequences=15 | 282 | 15 |
| SDS-V3-plasma-45_Cluster_3836_sequences=15 | 282 | 15 |
| SDS-V3-plasma-45_Cluster_4350_sequences=15 | 282 | 15 |
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| SDS-V3-plasma-45_Cluster_7030_sequences=15 | 282 | 15 |
| SDS-V3-plasma-45_Cluster_9094_sequences=15 | 282 | 15 |
| SDS-V3-plasma-45_Cluster_15713_sequences=15 | 282 | 15 |
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| SDS-V3-plasma-45_Cluster_9319_sequences=15 | 282 | 15 |
| SDS-V3-plasma-45_Cluster_17078_sequences=15 | 282 | 15 |
| SDS-V3-plasma-45_Cluster_1987_sequences=15 | 282 | 15 |
| SDS-V3-plasma-45_Cluster_610_sequences=15 | 282 | 15 |
| SDS-V3-plasma-45_Cluster_9801_sequences=15 | 282 | 15 |
| SDS-V3-plasma-45_Cluster_15032_sequences=15 | 282 | 15 |
| SDS-V3-plasma-45_Cluster_14554_sequences=15 | 282 | 15 |
| SDS-V3-plasma-45_Cluster_8415_sequences=15 | 282 | 15 |
| SDS-V3-plasma-45_Cluster_4845_sequences=15 | 282 | 15 |
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SDS-V3-plasma-45_Cluster_7538_sequences=15  282  15
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SDS-V3-plasma-45_Cluster_11022_sequences=15  282  15
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SDS-V3-plasma-46_Cluster_4305_sequences=15  286  15
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SDS-V3-plasma-46_Cluster_93_sequences=15 286 15
SDS-V3-plasma-46_Cluster_118_sequences=15 286 15
SDS-V3-plasma-46_Cluster_5909_sequences=15 286 15
SDS-V3-plasma-46_Cluster_21592_sequences=15 286 15
SDS-V3-plasma-46_Cluster_2858_sequences=15 286 15
SDS-V3-plasma-46_Cluster_3028_sequences=15 286 15
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SDS-V3-plasma-46_Cluster_10507_sequences=15 286 15
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SDS-V3-plasma-46_Cluster_1647_sequences=15 286 15
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SDS-V3-plasma-46_Cluster_2761_sequences=15 286 15
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SDS-V3-plasma-46_Cluster_8141_sequences=15 286 15
SDS-V3-plasma-46_Cluster_129_sequences=15 286 15
SDS-V3-plasma-46_Cluster_2472_sequences=15 286 15
SDS-V3-plasma-46_Cluster_8537_sequences=15 286 15
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SDS-V3-plasma-46_Cluster_4226_sequences=15 286 15
SDS-V3-plasma-46_Cluster_5226_sequences=15 286 15
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SDS-V3-plasma-46_Cluster_17_sequences=15 286 15
SDS-V3-plasma-46_Cluster_7225_sequences=15 286 15
SDS-V3-plasma-46_Cluster_655_sequences=15 286 15
SDS-V3-plasma-46_Cluster_248_sequences=15 286 15
SDS-V3-plasma-46_Cluster_4981_sequences=15 286 15
SDS-V3-plasma-46_Cluster_3035_sequences=15 286 15
SDS-V3-plasma-46_Cluster_3541_sequences=15 286 15
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SDS-V3-plasma-46_Cluster_7535_sequences=15 286 15
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SDS-V3-plasma-46_Cluster_613_sequences=15 286 15
SDS-V3-plasma-46_Cluster_6880_sequences=15 286 15
SDS-V3-plasma-46_Cluster_442_sequences=15 286 15
SDS-V3-plasma-67_Cluster_13522_sequences=15 504 15
| SDS-V3-plasma-67_Cluster_9918_sequences=15 | 504 | 15 |
| SDS-V3-plasma-67_Cluster_35451_sequences=15 | 504 | 15 |
| SDS-V3-plasma-67_Cluster_13800_sequences=15 | 504 | 15 |
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| SDS-V3-plasma-67_Cluster_17502_sequences=15 | 504 | 15 |
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| SDS-V3-plasma-67_Cluster_8815_sequences=15 | 504 | 15 |
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| SDS-V3-plasma-67_Cluster_10354_sequences=15 | 504 | 15 |
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| SDS-V3-plasma-67_Cluster_22070_sequences=15 | 504 | 15 |
| SDS-V3-plasma-67_Cluster_45872_sequences=15 | 504 | 15 |
| SDS-V3-plasma-67_Cluster_12345_sequences=15 | 504 | 15 |
| SDS-V3-plasma-67_Cluster_13168_sequences=15 | 504 | 15 |
| SDS-V3-plasma-67_Cluster_6874_sequences=15 | 504 | 15 |
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| SDS-V3-plasma-67_Cluster_1500_sequences=15 | 504 | 15 |
| SDS-V3-plasma-67_Cluster_18328_sequences=15 | 504 | 15 |
| SDS-V3-plasma-67_Cluster_6090_sequences=15 | 504 | 15 |
| SDS-V3-plasma-67_Cluster_7877_sequences=15 | 504 | 15 |
| SDS-V3-plasma-67_Cluster_13808_sequences=15 | 504 | 15 |
| SDS-V3-plasma-67_Cluster_19434_sequences=15 | 504 | 15 |
| SDS-V3-plasma-67_Cluster_19355_sequences=15 | 504 | 15 |
| SDS-V3-plasma-67_Cluster_19115_sequences=15 | 504 | 15 |
| SDS-V3-plasma-67_Cluster_141_sequences=15 | 504 | 15 |
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| SDS-V3-plasma-67_Cluster_17920_sequences=15 | 504 | 15 |
| SDS-V3-plasma-67_Cluster_22004_sequences=15 | 504 | 15 |
| SDS-V3-plasma-67_Cluster_22047_sequences=15 | 504 | 15 |
| SDS-V3-plasma-67_Cluster_34511_sequences=15 | 504 | 15 |
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| SDS-V3-plasma-67_Cluster_9027_sequences=15 | 504 | 15 |
| SDS-V3-plasma-67_Cluster_13243_sequences=15 | 504 | 15 |
| SDS-V3-plasma-67_Cluster_732_sequences=15 | 504 | 15 |
| SDS-V3-plasma-67_Cluster_787_sequences=15 | 504 | 15 |
| SDS-V3-plasma-67_Cluster_9723_sequences=15 | 504 | 15 |
| Cluster Name                          | Sequences | 504 | 15  |
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| SDS-V3-plasma-67_Cluster_9772        | 15        | 504 | 15  |
| SDS-V3-plasma-67_Cluster_9688        | 15        | 504 | 15  |
| SDS-V3-plasma-67_Cluster_1616        | 15        | 504 | 15  |
| SDS-V3-plasma-67_Cluster_4709        | 15        | 504 | 15  |
| SDS-V3-plasma-67_Cluster_17833       | 15        | 504 | 15  |
| SDS-V3-plasma-67_Cluster_8165        | 15        | 504 | 15  |
| SDS-V3-plasma-67_Cluster_13607       | 15        | 504 | 15  |
| SDS-V3-plasma-67_Cluster_28878       | 15        | 504 | 15  |
| SDS-V3-plasma-67_Cluster_15389       | 15        | 504 | 15  |
| SDS-V3-plasma-67_Cluster_31579       | 15        | 504 | 15  |
| SDS-V3-plasma-67_Cluster_9805        | 15        | 504 | 15  |
| SDS-V3-plasma-67_Cluster_4402        | 15        | 504 | 15  |
| SDS-V3-plasma-67_Cluster_13095       | 15        | 504 | 15  |
| SDS-V3-plasma-67_Cluster_4666        | 15        | 504 | 15  |
| SDS-V3-plasma-67_Cluster_20632       | 15        | 504 | 15  |
| SDS-V3-plasma-67_Cluster_2435        | 15        | 504 | 15  |
| SDS-V3-plasma-67_Cluster_13595       | 15        | 504 | 15  |
| SDS-V3-plasma-67_Cluster_3779        | 15        | 504 | 15  |
| SDS-V3-plasma-67_Cluster_13209       | 15        | 504 | 15  |
| SDS-V3-plasma-67_Cluster_24258       | 15        | 504 | 15  |
| SDS-V3-plasma-67_Cluster_4642        | 15        | 504 | 15  |
| SDS-V3-plasma-67_Cluster_4399        | 15        | 504 | 15  |
| SDS-V3-plasma-67_Cluster_16146       | 15        | 504 | 15  |
| SDS-V3-plasma-67_Cluster_22201       | 15        | 504 | 15  |
| SDS-V3-plasma-67_Cluster_26483       | 15        | 504 | 15  |
| SDS-V3-plasma-67_Cluster_10633       | 15        | 504 | 15  |
| SDS-V3-plasma-67_Cluster_1554        | 15        | 504 | 15  |
| SDS-V3-plasma-67_Cluster_25414       | 15        | 504 | 15  |
| SDS-V3-plasma-67_Cluster_13098       | 15        | 504 | 15  |
| SDS-V3-plasma-67_Cluster_1948        | 15        | 504 | 15  |
| SDS-V3-plasma-67_Cluster_10992       | 15        | 504 | 15  |
| SDS-V3-plasma-67_Cluster_23428       | 15        | 504 | 15  |
| SDS-V3-PBMC-45_Cluster_24928        | 14        | 282 | 14  |
| SDS-V3-plasma-0_Cluster_7232         | 14        | 0   | 14  |
| SDS-V3-plasma-0_Cluster_728          | 14        | 0   | 14  |
| SDS-V3-plasma-0_Cluster_3819         | 14        | 0   | 14  |
| SDS-V3-plasma-0_Cluster_384          | 14        | 0   | 14  |
| SDS-V3-plasma-0_Cluster_3649         | 14        | 0   | 14  |
| SDS-V3-plasma-0_Cluster_14665        | 14        | 0   | 14  |
| SDS-V3-plasma-0_Cluster_10270        | 14        | 0   | 14  |
| SDS-V3-plasma-0_Cluster_1248         | 14        | 0   | 14  |
| SDS-V3-plasma-0_Cluster_1330         | 14        | 0   | 14  |
| SDS-V3-plasma-0_Cluster_1590         | 14        | 0   | 14  |
| SDS-V3-plasma-0_Cluster_2083         | 14        | 0   | 14  |
| Sequence ID                      | Count | Clusters |
|---------------------------------|-------|----------|
| SDS-V3-plasma-0_Cluster_3502    | 0     | 14       |
| SDS-V3-plasma-0_Cluster_4050    | 0     | 14       |
| SDS-V3-plasma-0_Cluster_4509    | 0     | 14       |
| SDS-V3-plasma-0_Cluster_4843    | 0     | 14       |
| SDS-V3-plasma-0_Cluster_4924    | 0     | 14       |
| SDS-V3-plasma-0_Cluster_5985    | 0     | 14       |
| SDS-V3-plasma-0_Cluster_730     | 0     | 14       |
| SDS-V3-plasma-0_Cluster_2378    | 0     | 14       |
| SDS-V3-plasma-0_Cluster_2003    | 0     | 14       |
| SDS-V3-plasma-0_Cluster_13728   | 0     | 14       |
| SDS-V3-plasma-0_Cluster_11289   | 0     | 14       |
| SDS-V3-plasma-0_Cluster_2677    | 0     | 14       |
| SDS-V3-plasma-0_Cluster_901     | 0     | 14       |
| SDS-V3-plasma-0_Cluster_5140    | 0     | 14       |
| SDS-V3-plasma-0_Cluster_12725   | 0     | 14       |
| SDS-V3-plasma-0_Cluster_10058   | 0     | 14       |
| SDS-V3-plasma-0_Cluster_2660    | 0     | 14       |
| SDS-V3-plasma-0_Cluster_4101    | 0     | 14       |
| SDS-V3-plasma-0_Cluster_8302    | 0     | 14       |
| SDS-V3-plasma-0_Cluster_7042    | 0     | 14       |
| SDS-V3-plasma-0_Cluster_1615    | 0     | 14       |
| SDS-V3-plasma-0_Cluster_11166   | 0     | 14       |
| SDS-V3-plasma-0_Cluster_1120    | 0     | 14       |
| SDS-V3-plasma-0_Cluster_1692    | 0     | 14       |
| SDS-V3-plasma-0_Cluster_2714    | 0     | 14       |
| SDS-V3-plasma-0_Cluster_5588    | 0     | 14       |
| SDS-V3-plasma-0_Cluster_685     | 0     | 14       |
| SDS-V3-plasma-0_Cluster_9123    | 0     | 14       |
| SDS-V3-plasma-0_Cluster_2420    | 0     | 14       |
| SDS-V3-plasma-0_Cluster_722     | 0     | 14       |
| SDS-V3-plasma-0_Cluster_4141    | 0     | 14       |
| SDS-V3-plasma-0_Cluster_3107    | 0     | 14       |
| SDS-V3-plasma-0_Cluster_11304   | 0     | 14       |
| SDS-V3-plasma-0_Cluster_2216    | 0     | 14       |
| SDS-V3-plasma-0_Cluster_9759    | 0     | 14       |
| SDS-V3-plasma-0_Cluster_5828    | 0     | 14       |
| SDS-V3-plasma-0_Cluster_3310    | 0     | 14       |
| SDS-V3-plasma-0_Cluster_4315    | 0     | 14       |
| SDS-V3-plasma-0_Cluster_8378    | 0     | 14       |
| SDS-V3-plasma-0_Cluster_5188    | 0     | 14       |
| SDS-V3-plasma-0_Cluster_2805    | 0     | 14       |
| SDS-V3-plasma-0_Cluster_5149    | 0     | 14       |
| SDS-V3-plasma-0_Cluster_2237    | 0     | 14       |
| SDS-V3-plasma-0_Cluster_6487    | 0     | 14       |
| SDS-V3-plasma-0_Cluster_4218    | 0     | 14       |
| Cluster Name                   | Sequences | 9 | 14 |
|--------------------------------|-----------|---|----|
| SDS-V3-plasma-5_Cluster_114_sequences | 14         | 9 | 14 |
| SDS-V3-plasma-5_Cluster_215_sequences | 14         | 9 | 14 |
| SDS-V3-plasma-5_Cluster_277_sequences | 14         | 9 | 14 |
| SDS-V3-plasma-5_Cluster_291_sequences | 14         | 9 | 14 |
| SDS-V3-plasma-5_Cluster_587_sequences | 14         | 9 | 14 |
| SDS-V3-plasma-5_Cluster_493_sequences | 14         | 9 | 14 |
| SDS-V3-plasma-5_Cluster_34_sequences | 14         | 9 | 14 |
| SDS-V3-plasma-5_Cluster_489_sequences | 14         | 9 | 14 |
| SDS-V3-plasma-5_Cluster_578_sequences | 14         | 9 | 14 |
| SDS-V3-plasma-5_Cluster_667_sequences | 14         | 9 | 14 |
| SDS-V3-plasma-5_Cluster_69_sequences | 14         | 9 | 14 |
| SDS-V3-plasma-5_Cluster_860_sequences | 14         | 9 | 14 |
| SDS-V3-plasma-7_Cluster_1109_sequences | 14         | 14| 14|
| SDS-V3-plasma-7_Cluster_1278_sequences | 14         | 14| 14|
| SDS-V3-plasma-7_Cluster_5569_sequences | 14         | 14| 14|
| SDS-V3-plasma-7_Cluster_3537_sequences | 14         | 14| 14|
| SDS-V3-plasma-7_Cluster_1479_sequences | 14         | 14| 14|
| SDS-V3-plasma-7_Cluster_327_sequences | 14         | 14| 14|
| SDS-V3-plasma-7_Cluster_1461_sequences | 14         | 14| 14|
| SDS-V3-plasma-7_Cluster_3627_sequences | 14         | 14| 14|
| SDS-V3-plasma-7_Cluster_1815_sequences | 14         | 14| 14|
| SDS-V3-plasma-7_Cluster_2181_sequences | 14         | 14| 14|
| SDS-V3-plasma-7_Cluster_2544_sequences | 14         | 14| 14|
| SDS-V3-plasma-7_Cluster_1026_sequences | 14         | 14| 14|
| SDS-V3-plasma-7_Cluster_122_sequences | 14         | 14| 14|
| SDS-V3-plasma-7_Cluster_1754_sequences | 14         | 14| 14|
| SDS-V3-plasma-7_Cluster_3172_sequences | 14         | 14| 14|
| SDS-V3-plasma-7_Cluster_403_sequences | 14         | 14| 14|
| SDS-V3-plasma-7_Cluster_8775_sequences | 14         | 14| 14|
| SDS-V3-plasma-7_Cluster_464_sequences | 14         | 14| 14|
| SDS-V3-plasma-7_Cluster_1401_sequences | 14         | 14| 14|
| SDS-V3-plasma-7_Cluster_362_sequences | 14         | 14| 14|
| SDS-V3-plasma-7_Cluster_2187_sequences | 14         | 14| 14|
| SDS-V3-plasma-7_Cluster_1140_sequences | 14         | 14| 14|
| SDS-V3-plasma-7_Cluster_9_sequences | 14         | 14| 14|
| SDS-V3-plasma-8_Cluster_67_sequences | 16         | 16| 14|
| SDS-V3-plasma-8_Cluster_83_sequences | 16         | 16| 14|
| SDS-V3-plasma-8_Cluster_99_sequences | 16         | 16| 14|
| SDS-V3-plasma-8_Cluster_254_sequences | 16         | 16| 14|
| SDS-V3-plasma-8_Cluster_380_sequences | 16         | 16| 14|
| SDS-V3-plasma-8_Cluster_3999_sequences | 16         | 16| 14|
| SDS-V3-plasma-8_Cluster_573_sequences | 16         | 16| 14|
| SDS-V3-plasma-8_Cluster_2838_sequences | 16         | 16| 14|
| SDS-V3-plasma-8_Cluster_2717_sequences | 16         | 16| 14|
| SDS-V3-plasma-8_Cluster_5331_sequences | 14         | 16| 14|
SDS-V3-plasma-27_Cluster_1343_sequences=14 131 14
SDS-V3-plasma-27_Cluster_3678_sequences=14 131 14
SDS-V3-plasma-27_Cluster_4715_sequences=14 131 14
SDS-V3-plasma-27_Cluster_2743_sequences=14 131 14
SDS-V3-plasma-27_Cluster_2873_sequences=14 131 14
SDS-V3-plasma-27_Cluster_3426_sequences=14 131 14
SDS-V3-plasma-27_Cluster_128_sequences=14 131 14
SDS-V3-plasma-27_Cluster_2742_sequences=14 131 14
SDS-V3-plasma-27_Cluster_453_sequences=14 131 14
SDS-V3-plasma-27_Cluster_5796_sequences=14 131 14
SDS-V3-plasma-27_Cluster_1469_sequences=14 131 14
SDS-V3-plasma-27_Cluster_3417_sequences=14 131 14
SDS-V3-plasma-27_Cluster_1686_sequences=14 131 14
SDS-V3-plasma-27_Cluster_505_sequences=14 131 14
SDS-V3-plasma-27_Cluster_3560_sequences=14 131 14
SDS-V3-plasma-27_Cluster_2674_sequences=14 131 14
SDS-V3-plasma-45_Cluster_10206_sequences=14 282 14
SDS-V3-plasma-45_Cluster_11351_sequences=14 282 14
SDS-V3-plasma-45_Cluster_1753_sequences=14 282 14
SDS-V3-plasma-45_Cluster_2100_sequences=14 282 14
SDS-V3-plasma-45_Cluster_5738_sequences=14 282 14
SDS-V3-plasma-45_Cluster_815_sequences=14 282 14
SDS-V3-plasma-45_Cluster_14963_sequences=14 282 14
SDS-V3-plasma-45_Cluster_8607_sequences=14 282 14
SDS-V3-plasma-45_Cluster_20419_sequences=14 282 14
SDS-V3-plasma-45_Cluster_24785_sequences=14 282 14
SDS-V3-plasma-45_Cluster_203_sequences=14 282 14
SDS-V3-plasma-45_Cluster_10012_sequences=14 282 14
SDS-V3-plasma-45_Cluster_14930_sequences=14 282 14
SDS-V3-plasma-45_Cluster_31904_sequences=14 282 14
SDS-V3-plasma-45_Cluster_13521_sequences=14 282 14
SDS-V3-plasma-45_Cluster_2288_sequences=14 282 14
SDS-V3-plasma-45_Cluster_3823_sequences=14 282 14
SDS-V3-plasma-45_Cluster_4391_sequences=14 282 14
SDS-V3-plasma-45_Cluster_16869_sequences=14 282 14
SDS-V3-plasma-45_Cluster_8901_sequences=14 282 14
SDS-V3-plasma-45_Cluster_13271_sequences=14 282 14
SDS-V3-plasma-45_Cluster_8858_sequences=14 282 14
SDS-V3-plasma-45_Cluster_43833_sequences=14 282 14
SDS-V3-plasma-45_Cluster_13233_sequences=14 282 14
SDS-V3-plasma-45_Cluster_31680_sequences=14 282 14
SDS-V3-plasma-45_Cluster_7481_sequences=14 282 14
SDS-V3-plasma-45_Cluster_11979_sequences=14 282 14
SDS-V3-plasma-45_Cluster_12917_sequences=14 282 14
SDS-V3-plasma-45_Cluster_13910_sequences=14
SDS-V3-plasma-45_Cluster_166_sequences=14
SDS-V3-plasma-45_Cluster_1782_sequences=14
SDS-V3-plasma-45_Cluster_20000_sequences=14
SDS-V3-plasma-45_Cluster_2915_sequences=14
SDS-V3-plasma-45_Cluster_29614_sequences=14
SDS-V3-plasma-45_Cluster_31483_sequences=14
SDS-V3-plasma-45_Cluster_35223_sequences=14
SDS-V3-plasma-45_Cluster_46_sequences=14
SDS-V3-plasma-45_Cluster_52670_sequences=14
SDS-V3-plasma-45_Cluster_5278_sequences=14
SDS-V3-plasma-45_Cluster_6476_sequences=14
SDS-V3-plasma-45_Cluster_6533_sequences=14
SDS-V3-plasma-45_Cluster_9952_sequences=14
SDS-V3-plasma-45_Cluster_25703_sequences=14
SDS-V3-plasma-45_Cluster_4429_sequences=14
SDS-V3-plasma-45_Cluster_24348_sequences=14
SDS-V3-plasma-45_Cluster_15810_sequences=14
SDS-V3-plasma-45_Cluster_16767_sequences=14
SDS-V3-plasma-45_Cluster_17031_sequences=14
SDS-V3-plasma-45_Cluster_18409_sequences=14
SDS-V3-plasma-45_Cluster_652_sequences=14
SDS-V3-plasma-45_Cluster_8355_sequences=14
SDS-V3-plasma-45_Cluster_9198_sequences=14
SDS-V3-plasma-45_Cluster_9258_sequences=14
SDS-V3-plasma-45_Cluster_11114_sequences=14
SDS-V3-plasma-45_Cluster_24093_sequences=14
SDS-V3-plasma-45_Cluster_5898_sequences=14
SDS-V3-plasma-45_Cluster_27330_sequences=14
SDS-V3-plasma-45_Cluster_28161_sequences=14
SDS-V3-plasma-45_Cluster_4580_sequences=14
SDS-V3-plasma-45_Cluster_7078_sequences=14
SDS-V3-plasma-45_Cluster_826_sequences=14
SDS-V3-plasma-45_Cluster_9024_sequences=14
SDS-V3-plasma-45_Cluster_11871_sequences=14
SDS-V3-plasma-45_Cluster_13950_sequences=14
SDS-V3-plasma-45_Cluster_558_sequences=14
SDS-V3-plasma-45_Cluster_17586_sequences=14
SDS-V3-plasma-45_Cluster_3960_sequences=14
SDS-V3-plasma-45_Cluster_13884_sequences=14
SDS-V3-plasma-45_Cluster_14391_sequences=14
SDS-V3-plasma-45_Cluster_16021_sequences=14
SDS-V3-plasma-45_Cluster_19110_sequences=14
SDS-V3-plasma-45_Cluster_22549_sequences=14
SDS-V3-plasma-45_Cluster_23316_sequences=14
| Cluster Name                  | Sequences | Length | Cluster ID |
|------------------------------|-----------|--------|------------|
| SDS-V3-plasma-45_Cluster_23898 | 14        | 282    |            |
| SDS-V3-plasma-45_Cluster_32629 | 14        | 282    |            |
| SDS-V3-plasma-45_Cluster_37298 | 14        | 282    |            |
| SDS-V3-plasma-45_Cluster_7348  | 14        | 282    |            |
| SDS-V3-plasma-45_Cluster_6112  | 14        | 282    |            |
| SDS-V3-plasma-45_Cluster_11160 | 14        | 282    |            |
| SDS-V3-plasma-45_Cluster_11003 | 14        | 282    |            |
| SDS-V3-plasma-45_Cluster_9923  | 14        | 282    |            |
| SDS-V3-plasma-45_Cluster_23380 | 14        | 282    |            |
| SDS-V3-plasma-45_Cluster_10964 | 14        | 282    |            |
| SDS-V3-plasma-45_Cluster_19661 | 14        | 282    |            |
| SDS-V3-plasma-45_Cluster_26113 | 14        | 282    |            |
| SDS-V3-plasma-45_Cluster_15251 | 14        | 282    |            |
| SDS-V3-plasma-45_Cluster_5440  | 14        | 282    |            |
| SDS-V3-plasma-45_Cluster_28784 | 14        | 282    |            |
| SDS-V3-plasma-45_Cluster_11716 | 14        | 282    |            |
| SDS-V3-plasma-45_Cluster_16931 | 14        | 282    |            |
| SDS-V3-plasma-45_Cluster_19280 | 14        | 282    |            |
| SDS-V3-plasma-45_Cluster_5552  | 14        | 282    |            |
| SDS-V3-plasma-45_Cluster_580   | 14        | 282    |            |
| SDS-V3-plasma-45_Cluster_1008  | 14        | 282    |            |
| SDS-V3-plasma-45_Cluster_2382  | 14        | 282    |            |
| SDS-V3-plasma-45_Cluster_22368 | 14        | 282    |            |
| SDS-V3-plasma-45_Cluster_4723  | 14        | 282    |            |
| SDS-V3-plasma-45_Cluster_12531 | 14        | 282    |            |
| SDS-V3-plasma-45_Cluster_11785 | 14        | 282    |            |
| SDS-V3-plasma-45_Cluster_12537 | 14        | 282    |            |
| SDS-V3-plasma-45_Cluster_3279  | 14        | 282    |            |
| SDS-V3-plasma-45_Cluster_5792  | 14        | 282    |            |
| SDS-V3-plasma-45_Cluster_66669 | 14        | 282    |            |
| SDS-V3-plasma-45_Cluster_6932  | 14        | 282    |            |
| SDS-V3-plasma-45_Cluster_6854  | 14        | 282    |            |
| SDS-V3-plasma-45_Cluster_1227  | 14        | 282    |            |
| SDS-V3-plasma-45_Cluster_14100 | 14        | 282    |            |
| SDS-V3-plasma-45_Cluster_1529  | 14        | 282    |            |
| SDS-V3-plasma-45_Cluster_13148 | 14        | 282    |            |
| SDS-V3-plasma-45_Cluster_6785  | 14        | 282    |            |
| SDS-V3-plasma-45_Cluster_16574 | 14        | 282    |            |
| SDS-V3-plasma-45_Cluster_4337  | 14        | 282    |            |
| SDS-V3-plasma-45_Cluster_210   | 14        | 282    |            |
| SDS-V3-plasma-45_Cluster_18269 | 14        | 282    |            |
| SDS-V3-plasma-45_Cluster_70127 | 14        | 282    |            |
| SDS-V3-plasma-45_Cluster_12295 | 14        | 282    |            |
| SDS-V3-plasma-45_Cluster_11207 | 14        | 282    |            |
| SDS-V3-plasma-45_Cluster_30124 | 14        | 282    |            |
| String                                                                 | Value1 | Value2 |
|----------------------------------------------------------------------|--------|--------|
| SDS-V3-plasma-46_Cluster_735_sequences=14                            | 286    | 14     |
| SDS-V3-plasma-46_Cluster_2079_sequences=14                           | 286    | 14     |
| SDS-V3-plasma-46_Cluster_1847_sequences=14                           | 286    | 14     |
| SDS-V3-plasma-46_Cluster_1192_sequences=14                           | 286    | 14     |
| SDS-V3-plasma-46_Cluster_8875_sequences=14                           | 286    | 14     |
| SDS-V3-plasma-46_Cluster_2379_sequences=14                           | 286    | 14     |
| SDS-V3-plasma-46_Cluster_4415_sequences=14                           | 286    | 14     |
| SDS-V3-plasma-46_Cluster_10694_sequences=14                          | 286    | 14     |
| SDS-V3-plasma-46_Cluster_7946_sequences=14                           | 286    | 14     |
| SDS-V3-plasma-46_Cluster_2108_sequences=14                           | 286    | 14     |
| SDS-V3-plasma-46_Cluster_242_sequences=14                            | 286    | 14     |
| SDS-V3-plasma-46_Cluster_1766_sequences=14                           | 286    | 14     |
| SDS-V3-plasma-46_Cluster_11724_sequences=14                          | 286    | 14     |
| SDS-V3-plasma-46_Cluster_6440_sequences=14                           | 286    | 14     |
| SDS-V3-plasma-46_Cluster_8239_sequences=14                           | 286    | 14     |
| SDS-V3-plasma-46_Cluster_8559_sequences=14                           | 286    | 14     |
| SDS-V3-plasma-46_Cluster_14691_sequences=14                          | 286    | 14     |
| SDS-V3-plasma-46_Cluster_1760_sequences=14                           | 286    | 14     |
| SDS-V3-plasma-46_Cluster_3445_sequences=14                           | 286    | 14     |
| SDS-V3-plasma-46_Cluster_3458_sequences=14                           | 286    | 14     |
| SDS-V3-plasma-46_Cluster_9221_sequences=14                           | 286    | 14     |
| SDS-V3-plasma-46_Cluster_2066_sequences=14                           | 286    | 14     |
| SDS-V3-plasma-46_Cluster_1351_sequences=14                           | 286    | 14     |
| SDS-V3-plasma-46_Cluster_1299_sequences=14                           | 286    | 14     |
| SDS-V3-plasma-46_Cluster_10394_sequences=14                          | 286    | 14     |
| SDS-V3-plasma-46_Cluster_1318_sequences=14                           | 286    | 14     |
| SDS-V3-plasma-46_Cluster_1457_sequences=14                           | 286    | 14     |
| SDS-V3-plasma-46_Cluster_255_sequences=14                            | 286    | 14     |
| SDS-V3-plasma-46_Cluster_3091_sequences=14                           | 286    | 14     |
| SDS-V3-plasma-46_Cluster_562_sequences=14                            | 286    | 14     |
| SDS-V3-plasma-46_Cluster_3918_sequences=14                           | 286    | 14     |
| SDS-V3-plasma-46_Cluster_11355_sequences=14                          | 286    | 14     |
| SDS-V3-plasma-46_Cluster_11_sequences=14                             | 286    | 14     |
| SDS-V3-plasma-46_Cluster_1371_sequences=14                           | 286    | 14     |
| SDS-V3-plasma-46_Cluster_2551_sequences=14                           | 286    | 14     |
| SDS-V3-plasma-46_Cluster_5589_sequences=14                           | 286    | 14     |
| SDS-V3-plasma-46_Cluster_5823_sequences=14                           | 286    | 14     |
| SDS-V3-plasma-46_Cluster_6324_sequences=14                           | 286    | 14     |
| SDS-V3-plasma-46_Cluster_11822_sequences=14                          | 286    | 14     |
| SDS-V3-plasma-46_Cluster_1389_sequences=14                           | 286    | 14     |
| SDS-V3-plasma-46_Cluster_2054_sequences=14                           | 286    | 14     |
| SDS-V3-plasma-46_Cluster_5419_sequences=14                           | 286    | 14     |
| SDS-V3-plasma-46_Cluster_1025_sequences=14                           | 286    | 14     |
| SDS-V3-plasma-46_Cluster_2808_sequences=14                           | 286    | 14     |
| SDS-V3-plasma-46_Cluster_253_sequences=14                            | 286    | 14     |
| Cluster name                                             | Sequences | Primary database | Accession number |
|----------------------------------------------------------|-----------|------------------|------------------|
| SDS-V3-plasma-46_Cluster_331_sequences=14               | 286       | 14               |                 |
| SDS-V3-plasma-46_Cluster_512_sequences=14               | 286       | 14               |                 |
| SDS-V3-plasma-46_Cluster_9440_sequences=14              | 286       | 14               |                 |
| SDS-V3-plasma-46_Cluster_28622_sequences=14             | 286       | 14               |                 |
| SDS-V3-plasma-46_Cluster_3027_sequences=14              | 286       | 14               |                 |
| SDS-V3-plasma-46_Cluster_3380_sequences=14              | 286       | 14               |                 |
| SDS-V3-plasma-46_Cluster_3716_sequences=14              | 286       | 14               |                 |
| SDS-V3-plasma-46_Cluster_1139_sequences=14              | 286       | 14               |                 |
| SDS-V3-plasma-46_Cluster_3259_sequences=14              | 286       | 14               |                 |
| SDS-V3-plasma-46_Cluster_3253_sequences=14              | 286       | 14               |                 |
| SDS-V3-plasma-46_Cluster_4858_sequences=14              | 286       | 14               |                 |
| SDS-V3-plasma-46_Cluster_16095_sequences=14             | 504       | 14               |                 |
| SDS-V3-plasma-46_Cluster_11890_sequences=14             | 504       | 14               |                 |
| SDS-V3-plasma-46_Cluster_1275_sequences=14              | 504       | 14               |                 |
| SDS-V3-plasma-46_Cluster_6972_sequences=14              | 504       | 14               |                 |
| SDS-V3-plasma-46_Cluster_11144_sequences=14             | 504       | 14               |                 |
| SDS-V3-plasma-46_Cluster_22096_sequences=14             | 504       | 14               |                 |
| SDS-V3-plasma-46_Cluster_4301_sequences=14              | 504       | 14               |                 |
| SDS-V3-plasma-46_Cluster_18126_sequences=14             | 504       | 14               |                 |
| SDS-V3-plasma-67_Cluster_25850_sequences=14             | 504       | 14               |                 |
| SDS-V3-plasma-67_Cluster_52127_sequences=14             | 504       | 14               |                 |
| SDS-V3-plasma-67_Cluster_2397_sequences=14              | 504       | 14               |                 |
| SDS-V3-plasma-67_Cluster_15031_sequences=14             | 504       | 14               |                 |
| SDS-V3-plasma-67_Cluster_9082_sequences=14              | 504       | 14               |                 |
| SDS-V3-plasma-67_Cluster_9515_sequences=14              | 504       | 14               |                 |
| SDS-V3-plasma-67_Cluster_7525_sequences=14              | 504       | 14               |                 |
| SDS-V3-plasma-67_Cluster_3317_sequences=14              | 504       | 14               |                 |
| SDS-V3-plasma-67_Cluster_47955_sequences=14             | 504       | 14               |                 |
| SDS-V3-plasma-67_Cluster_6912_sequences=14              | 504       | 14               |                 |
| SDS-V3-plasma-67_Cluster_10231_sequences=14             | 504       | 14               |                 |
| SDS-V3-plasma-67_Cluster_694_sequences=14               | 504       | 14               |                 |
| SDS-V3-plasma-67_Cluster_22217_sequences=14             | 504       | 14               |                 |
| SDS-V3-plasma-67_Cluster_10915_sequences=14             | 504       | 14               |                 |
| SDS-V3-plasma-67_Cluster_4557_sequences=14              | 504       | 14               |                 |
| SDS-V3-plasma-67_Cluster_24646_sequences=14             | 504       | 14               |                 |
| SDS-V3-plasma-67_Cluster_26322_sequences=14             | 504       | 14               |                 |
| SDS-V3-plasma-67_Cluster_7513_sequences=14              | 504       | 14               |                 |
| SDS-V3-plasma-67_Cluster_12725_sequences=14             | 504       | 14               |                 |
| Cluster Name                                      | Sequence Count | Fragment Size |
|--------------------------------------------------|----------------|---------------|
| SDS-V3-plasma-67_Cluster_6375_sequences=14       | 504            | 14            |
| SDS-V3-plasma-67_Cluster_64677_sequences=14     | 504            | 14            |
| SDS-V3-plasma-67_Cluster_23626_sequences=14     | 504            | 14            |
| SDS-V3-plasma-67_Cluster_4128_sequences=14      | 504            | 14            |
| SDS-V3-plasma-67_Cluster_27307_sequences=14     | 504            | 14            |
| SDS-V3-plasma-67_Cluster_11017_sequences=14     | 504            | 14            |
| SDS-V3-plasma-67_Cluster_3269_sequences=14      | 504            | 14            |
| SDS-V3-plasma-67_Cluster_9850_sequences=14      | 504            | 14            |
| SDS-V3-plasma-67_Cluster_3795_sequences=14      | 504            | 14            |
| SDS-V3-plasma-67_Cluster_18781_sequences=14     | 504            | 14            |
| SDS-V3-plasma-67_Cluster_15227_sequences=14     | 504            | 14            |
| SDS-V3-plasma-67_Cluster_11597_sequences=14     | 504            | 14            |
| SDS-V3-plasma-67_Cluster_21502_sequences=14     | 504            | 14            |
| SDS-V3-plasma-67_Cluster_9106_sequences=14      | 504            | 14            |
| SDS-V3-plasma-67_Cluster_16464_sequences=14     | 504            | 14            |
| SDS-V3-plasma-67_Cluster_23266_sequences=14     | 504            | 14            |
| SDS-V3-plasma-67_Cluster_28923_sequences=14     | 504            | 14            |
| SDS-V3-plasma-67_Cluster_33343_sequences=14     | 504            | 14            |
| SDS-V3-plasma-67_Cluster_336_sequences=14       | 504            | 14            |
| SDS-V3-plasma-67_Cluster_4363_sequences=14      | 504            | 14            |
| SDS-V3-plasma-67_Cluster_9396_sequences=14      | 504            | 14            |
| SDS-V3-plasma-67_Cluster_4563_sequences=14      | 504            | 14            |
| SDS-V3-plasma-67_Cluster_10339_sequences=14     | 504            | 14            |
| SDS-V3-plasma-67_Cluster_13658_sequences=14     | 504            | 14            |
| SDS-V3-plasma-67_Cluster_13802_sequences=14     | 504            | 14            |
| SDS-V3-plasma-67_Cluster_14331_sequences=14     | 504            | 14            |
| SDS-V3-plasma-67_Cluster_15142_sequences=14     | 504            | 14            |
| SDS-V3-plasma-67_Cluster_15627_sequences=14     | 504            | 14            |
| SDS-V3-plasma-67_Cluster_2374_sequences=14      | 504            | 14            |
| SDS-V3-plasma-67_Cluster_2853_sequences=14      | 504            | 14            |
| SDS-V3-plasma-67_Cluster_404_sequences=14       | 504            | 14            |
| SDS-V3-plasma-67_Cluster_5622_sequences=14      | 504            | 14            |
| SDS-V3-plasma-67_Cluster_5682_sequences=14      | 504            | 14            |
| SDS-V3-plasma-67_Cluster_6151_sequences=14      | 504            | 14            |
| SDS-V3-plasma-67_Cluster_6478_sequences=14      | 504            | 14            |
| SDS-V3-plasma-67_Cluster_8510_sequences=14      | 504            | 14            |
| SDS-V3-plasma-67_Cluster_177_sequences=14       | 504            | 14            |
| SDS-V3-plasma-67_Cluster_15044_sequences=14     | 504            | 14            |
| SDS-V3-plasma-67_Cluster_12581_sequences=14     | 504            | 14            |
| SDS-V3-plasma-67_Cluster_17341_sequences=14     | 504            | 14            |
| SDS-V3-plasma-67_Cluster_17772_sequences=14     | 504            | 14            |
| SDS-V3-plasma-67_Cluster_37887_sequences=14     | 504            | 14            |
| SDS-V3-plasma-67_Cluster_12278_sequences=14     | 504            | 14            |
| SDS-V3-plasma-67_Cluster_696_sequences=14       | 504            | 14            |
| SDS-V3-plasma-67_Cluster_12069_sequences=14     | 504            | 14            |
| Cluster Name                                  | Start | End |
|----------------------------------------------|-------|-----|
| SDS-V3-plasma-0_Cluster_6830_sequences=13    | 0     | 13  |
| SDS-V3-plasma-0_Cluster_7573_sequences=13    | 0     | 13  |
| SDS-V3-plasma-0_Cluster_791_sequences=13     | 0     | 13  |
| SDS-V3-plasma-0_Cluster_9895_sequences=13    | 0     | 13  |
| SDS-V3-plasma-0_Cluster_6187_sequences=13    | 0     | 13  |
| SDS-V3-plasma-0_Cluster_7488_sequences=13    | 0     | 13  |
| SDS-V3-plasma-0_Cluster_3001_sequences=13    | 0     | 13  |
| SDS-V3-plasma-0_Cluster_2321_sequences=13    | 0     | 13  |
| SDS-V3-plasma-0_Cluster_1689_sequences=13    | 0     | 13  |
| SDS-V3-plasma-0_Cluster_6896_sequences=13    | 0     | 13  |
| SDS-V3-plasma-0_Cluster_959_sequences=13     | 0     | 13  |
| SDS-V3-plasma-0_Cluster_6901_sequences=13    | 0     | 13  |
| SDS-V3-plasma-0_Cluster_5287_sequences=13    | 0     | 13  |
| SDS-V3-plasma-0_Cluster_4806_sequences=13    | 0     | 13  |
| SDS-V3-plasma-0_Cluster_8414_sequences=13    | 0     | 13  |
| SDS-V3-plasma-0_Cluster_8891_sequences=13    | 0     | 13  |
| SDS-V3-plasma-0_Cluster_8245_sequences=13    | 0     | 13  |
| SDS-V3-plasma-0_Cluster_4450_sequences=13    | 0     | 13  |
| SDS-V3-plasma-0_Cluster_3592_sequences=13    | 0     | 13  |
| SDS-V3-plasma-0_Cluster_3328_sequences=13    | 0     | 13  |
| SDS-V3-plasma-0_Cluster_1600_sequences=13    | 0     | 13  |
| SDS-V3-plasma-0_Cluster_1304_sequences=13    | 0     | 13  |
| SDS-V3-plasma-0_Cluster_1324_sequences=13    | 0     | 13  |
| SDS-V3-plasma-0_Cluster_1539_sequences=13    | 0     | 13  |
| SDS-V3-plasma-0_Cluster_2058_sequences=13    | 0     | 13  |
| SDS-V3-plasma-0_Cluster_2595_sequences=13    | 0     | 13  |
| SDS-V3-plasma-0_Cluster_327_sequences=13     | 0     | 13  |
| SDS-V3-plasma-0_Cluster_5976_sequences=13    | 0     | 13  |
| SDS-V3-plasma-0_Cluster_1745_sequences=13    | 0     | 13  |
| SDS-V3-plasma-0_Cluster_4274_sequences=13    | 0     | 13  |
| SDS-V3-plasma-0_Cluster_9225_sequences=13    | 0     | 13  |
| SDS-V3-plasma-0_Cluster_5351_sequences=13    | 0     | 13  |
| SDS-V3-plasma-0_Cluster_24827_sequences=13   | 0     | 13  |
| SDS-V3-plasma-0_Cluster_10539_sequences=13   | 0     | 13  |
| SDS-V3-plasma-0_Cluster_3427_sequences=13    | 0     | 13  |
| SDS-V3-plasma-0_Cluster_1624_sequences=13    | 0     | 13  |
| SDS-V3-plasma-0_Cluster_3522_sequences=13    | 0     | 13  |
| SDS-V3-plasma-0_Cluster_1141_sequences=13    | 0     | 13  |
| SDS-V3-plasma-0_Cluster_215_sequences=13     | 0     | 13  |
| SDS-V3-plasma-0_Cluster_4540_sequences=13    | 0     | 13  |
| SDS-V3-plasma-0_Cluster_1839_sequences=13    | 0     | 13  |
| SDS-V3-plasma-0_Cluster_4747_sequences=13    | 0     | 13  |
| SDS-V3-plasma-0_Cluster_42080_sequences=13   | 0     | 13  |
| SDS-V3-plasma-5_Cluster_35_sequences=13      | 9     | 13  |
| SDS-V3-plasma-5_Cluster_54_sequences=13      | 9     | 13  |
| Cluster Name                  | Sequences | SD Value | Cluster Value |
|------------------------------|-----------|----------|---------------|
| SDS-V3-plasma-24_Cluster_1229 | 13        | 124      | 13            |
| SDS-V3-plasma-24_Cluster_31   | 13        | 124      | 13            |
| SDS-V3-plasma-24_Cluster_421  | 13        | 124      | 13            |
| SDS-V3-plasma-24_Cluster_1718 | 13        | 124      | 13            |
| SDS-V3-plasma-24_Cluster_2890 | 13        | 124      | 13            |
| SDS-V3-plasma-24_Cluster_424  | 13        | 124      | 13            |
| SDS-V3-plasma-24_Cluster_2199 | 13        | 124      | 13            |
| SDS-V3-plasma-24_Cluster_977  | 13        | 124      | 13            |
| SDS-V3-plasma-24_Cluster_6374 | 13        | 124      | 13            |
| SDS-V3-plasma-24_Cluster_1500 | 13        | 124      | 13            |
| SDS-V3-plasma-24_Cluster_309  | 13        | 124      | 13            |
| SDS-V3-plasma-24_Cluster_2617 | 13        | 124      | 13            |
| SDS-V3-plasma-24_Cluster_1205 | 13        | 124      | 13            |
| SDS-V3-plasma-24_Cluster_3325 | 13        | 124      | 13            |
| SDS-V3-plasma-27_Cluster_1063 | 13        | 131      | 13            |
| SDS-V3-plasma-27_Cluster_1660 | 13        | 131      | 13            |
| SDS-V3-plasma-27_Cluster_2834 | 13        | 131      | 13            |
| SDS-V3-plasma-27_Cluster_3166 | 13        | 131      | 13            |
| SDS-V3-plasma-27_Cluster_3641 | 13        | 131      | 13            |
| SDS-V3-plasma-27_Cluster_419  | 13        | 131      | 13            |
| SDS-V3-plasma-27_Cluster_1400 | 13        | 131      | 13            |
| SDS-V3-plasma-27_Cluster_3537 | 13        | 131      | 13            |
| SDS-V3-plasma-27_Cluster_1733 | 13        | 131      | 13            |
| SDS-V3-plasma-27_Cluster_1216 | 13        | 131      | 13            |
| SDS-V3-plasma-27_Cluster_1634 | 13        | 131      | 13            |
| SDS-V3-plasma-27_Cluster_1285 | 13        | 131      | 13            |
| SDS-V3-plasma-27_Cluster_4443 | 13        | 131      | 13            |
| SDS-V3-plasma-27_Cluster_3836 | 13        | 131      | 13            |
| SDS-V3-plasma-27_Cluster_198  | 13        | 131      | 13            |
| SDS-V3-plasma-27_Cluster_1246 | 13        | 131      | 13            |
| SDS-V3-plasma-27_Cluster_3449 | 13        | 131      | 13            |
| SDS-V3-plasma-45_Cluster_0    | 13        | 282      | 13            |
| SDS-V3-plasma-45_Cluster_10331| 13        | 282      | 13            |
| SDS-V3-plasma-45_Cluster_8787 | 13        | 282      | 13            |
| SDS-V3-plasma-45_Cluster_1260 | 13        | 282      | 13            |
| SDS-V3-plasma-45_Cluster_4023 | 13        | 282      | 13            |
| SDS-V3-plasma-45_Cluster_987  | 13        | 282      | 13            |
| SDS-V3-plasma-45_Cluster_4695 | 13        | 282      | 13            |
| SDS-V3-plasma-45_Cluster_1210 | 13        | 282      | 13            |
| SDS-V3-plasma-45_Cluster_15410| 13        | 282      | 13            |
| SDS-V3-plasma-45_Cluster_1882 | 13        | 282      | 13            |
| SDS-V3-plasma-45_Cluster_34887| 13        | 282      | 13            |
| SDS-V3-plasma-45_Cluster_19992| 13        | 282      | 13            |
| SDS-V3-plasma-45_Cluster_31296| 13        | 282      | 13            |
| SDS-V3-plasma-45_Cluster_664  | 13        | 282      | 13            |
| Cluster Name                                      | Sequences | Length | }
|--------------------------------------------------|-----------|--------|
| SDS-V3-plasma-45_Cluster_13543                   | 13        | 282    |
| SDS-V3-plasma-45_Cluster_6433                    | 13        | 282    |
| SDS-V3-plasma-45_Cluster_10318                   | 13        | 282    |
| SDS-V3-plasma-45_Cluster_17030                   | 13        | 282    |
| SDS-V3-plasma-45_Cluster_18208                   | 13        | 282    |
| SDS-V3-plasma-45_Cluster_1949                    | 13        | 282    |
| SDS-V3-plasma-45_Cluster_24905                   | 13        | 282    |
| SDS-V3-plasma-45_Cluster_38555                   | 13        | 282    |
| SDS-V3-plasma-45_Cluster_7948                    | 13        | 282    |
| SDS-V3-plasma-45_Cluster_9958                    | 13        | 282    |
| SDS-V3-plasma-45_Cluster_1861                    | 13        | 282    |
| SDS-V3-plasma-45_Cluster_7065                    | 13        | 282    |
| SDS-V3-plasma-45_Cluster_10123                   | 13        | 282    |
| SDS-V3-plasma-45_Cluster_11570                   | 13        | 282    |
| SDS-V3-plasma-45_Cluster_121                     | 13        | 282    |
| SDS-V3-plasma-45_Cluster_12497                   | 13        | 282    |
| SDS-V3-plasma-45_Cluster_12878                   | 13        | 282    |
| SDS-V3-plasma-45_Cluster_13335                   | 13        | 282    |
| SDS-V3-plasma-45_Cluster_1860                    | 13        | 282    |
| SDS-V3-plasma-45_Cluster_19329                   | 13        | 282    |
| SDS-V3-plasma-45_Cluster_25731                   | 13        | 282    |
| SDS-V3-plasma-45_Cluster_28290                   | 13        | 282    |
| SDS-V3-plasma-45_Cluster_3105                    | 13        | 282    |
| SDS-V3-plasma-45_Cluster_40015                   | 13        | 282    |
| SDS-V3-plasma-45_Cluster_53483                   | 13        | 282    |
| SDS-V3-plasma-45_Cluster_5814                    | 13        | 282    |
| SDS-V3-plasma-45_Cluster_6151                    | 13        | 282    |
| SDS-V3-plasma-45_Cluster_8044                    | 13        | 282    |
| SDS-V3-plasma-45_Cluster_34593                   | 13        | 282    |
| SDS-V3-plasma-45_Cluster_40103                   | 13        | 282    |
| SDS-V3-plasma-45_Cluster_4287                    | 13        | 282    |
| SDS-V3-plasma-45_Cluster_2320                    | 13        | 282    |
| SDS-V3-plasma-45_Cluster_27690                   | 13        | 282    |
| SDS-V3-plasma-45_Cluster_1147                    | 13        | 282    |
| SDS-V3-plasma-45_Cluster_10674                   | 13        | 282    |
| SDS-V3-plasma-45_Cluster_38386                   | 13        | 282    |
| SDS-V3-plasma-45_Cluster_5497                    | 13        | 282    |
| SDS-V3-plasma-45_Cluster_20399                   | 13        | 282    |
| SDS-V3-plasma-45_Cluster_628                     | 13        | 282    |
| SDS-V3-plasma-45_Cluster_35382                   | 13        | 282    |
| SDS-V3-plasma-45_Cluster_4234                    | 13        | 282    |
| SDS-V3-plasma-45_Cluster_8173                    | 13        | 282    |
| SDS-V3-plasma-45_Cluster_9794                    | 13        | 282    |
| SDS-V3-plasma-45_Cluster_1634                    | 13        | 282    |
| SDS-V3-plasma-45_Cluster_6390                    | 13        | 282    |
SDS-V3-plasma-45_Cluster_8309_sequences=13 282 13
SDS-V3-plasma-45_Cluster_8724_sequences=13 282 13
SDS-V3-plasma-45_Cluster_11097_sequences=13 282 13
SDS-V3-plasma-45_Cluster_10540_sequences=13 282 13
SDS-V3-plasma-45_Cluster_31931_sequences=13 282 13
SDS-V3-plasma-45_Cluster_34347_sequences=13 282 13
SDS-V3-plasma-45_Cluster_65732_sequences=13 282 13
SDS-V3-plasma-46_Cluster_2988_sequences=13 286 13
SDS-V3-plasma-46_Cluster_6560_sequences=13 286 13
SDS-V3-plasma-46_Cluster_14_sequences=13 286 13
SDS-V3-plasma-46_Cluster_6050_sequences=13 286 13
SDS-V3-plasma-46_Cluster_19865_sequences=13 286 13
SDS-V3-plasma-46_Cluster_988_sequences=13 286 13
SDS-V3-plasma-46_Cluster_4568_sequences=13 286 13
SDS-V3-plasma-46_Cluster_5153_sequences=13 286 13
SDS-V3-plasma-46_Cluster_8072_sequences=13 286 13
SDS-V3-plasma-46_Cluster_3536_sequences=13 286 13
SDS-V3-plasma-46_Cluster_5285_sequences=13 286 13
SDS-V3-plasma-46_Cluster_7141_sequences=13 286 13
SDS-V3-plasma-46_Cluster_1931_sequences=13 286 13
SDS-V3-plasma-46_Cluster_2578_sequences=13 286 13
SDS-V3-plasma-46_Cluster_2614_sequences=13 286 13
SDS-V3-plasma-46_Cluster_2207_sequences=13 286 13
SDS-V3-plasma-46_Cluster_7709_sequences=13 286 13
SDS-V3-plasma-46_Cluster_5740_sequences=13 286 13
SDS-V3-plasma-46_Cluster_10724_sequences=13 286 13
SDS-V3-plasma-46_Cluster_1853_sequences=13 286 13
SDS-V3-plasma-46_Cluster_2531_sequences=13 286 13
SDS-V3-plasma-46_Cluster_2961_sequences=13 286 13
SDS-V3-plasma-46_Cluster_4604_sequences=13 286 13
SDS-V3-plasma-46_Cluster_5698_sequences=13 286 13
SDS-V3-plasma-46_Cluster_5989_sequences=13 286 13
SDS-V3-plasma-46_Cluster_6369_sequences=13 286 13
SDS-V3-plasma-46_Cluster_5033_sequences=13 286 13
SDS-V3-plasma-46_Cluster_6297_sequences=13 286 13
SDS-V3-plasma-46_Cluster_8054_sequences=13 286 13
SDS-V3-plasma-46_Cluster_2719_sequences=13 286 13
SDS-V3-plasma-46_Cluster_4121_sequences=13 286 13
SDS-V3-plasma-67_Cluster_23204_sequences=13 504 13
SDS-V3-plasma-67_Cluster_27788_sequences=13 504 13
SDS-V3-plasma-67_Cluster_3038_sequences=13 504 13
SDS-V3-plasma-67_Cluster_39317_sequences=13 504 13
SDS-V3-plasma-67_Cluster_9737_sequences=13 504 13
SDS-V3-plasma-67_Cluster_15336_sequences=13 504 13
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SDS-V3-plasma-67_Cluster_3831_sequences=13 504 13
SDS-V3-plasma-67_Cluster_6189_sequences=13 504 13

SDS-V3-plasma-0_Cluster_1683_sequences=12 0 12
SDS-V3-plasma-0_Cluster_2075_sequences=12 0 12
SDS-V3-plasma-0_Cluster_5004_sequences=12 0 12
SDS-V3-plasma-0_Cluster_7603_sequences=12 0 12
SDS-V3-plasma-0_Cluster_2465_sequences=12 0 12
SDS-V3-plasma-0_Cluster_2082_sequences=12 0 12
SDS-V3-plasma-0_Cluster_2309_sequences=12 0 12
SDS-V3-plasma-0_Cluster_4837_sequences=12 0 12
SDS-V3-plasma-0_Cluster_4982_sequences=12 0 12
SDS-V3-plasma-0_Cluster_5008_sequences=12 0 12
SDS-V3-plasma-0_Cluster_5051_sequences=12 0 12
SDS-V3-plasma-0_Cluster_5368_sequences=12 0 12
SDS-V3-plasma-0_Cluster_5711_sequences=12 0 12
SDS-V3-plasma-0_Cluster_6373_sequences=12 0 12
SDS-V3-plasma-0_Cluster_6532_sequences=12 0 12
SDS-V3-plasma-0_Cluster_7429_sequences=12 0 12
SDS-V3-plasma-0_Cluster_9587_sequences=12 0 12
SDS-V3-plasma-0_Cluster_1759_sequences=12 0 12
SDS-V3-plasma-0_Cluster_2022_sequences=12 0 12
SDS-V3-plasma-0_Cluster_5123_sequences=12 0 12
SDS-V3-plasma-0_Cluster_8519_sequences=12 0 12
SDS-V3-plasma-0_Cluster_1526_sequences=12 0 12
SDS-V3-plasma-0_Cluster_1620_sequences=12 0 12
SDS-V3-plasma-0_Cluster_6554_sequences=12 0 12
SDS-V3-plasma-0_Cluster_4202_sequences=12 0 12
SDS-V3-plasma-0_Cluster_6570_sequences=12 0 12
SDS-V3-plasma-0_Cluster_11522_sequences=12 0 12
SDS-V3-plasma-0_Cluster_4831_sequences=12 0 12
SDS-V3-plasma-0_Cluster_1387_sequences=12 0 12
SDS-V3-plasma-0_Cluster_7016_sequences=12 0 12
SDS-V3-plasma-0_Cluster_3466_sequences=12 0 12
SDS-V3-plasma-0_Cluster_2396_sequences=12 0 12
SDS-V3-plasma-0_Cluster_4154_sequences=12 0 12
SDS-V3-plasma-0_Cluster_5037_sequences=12 0 12
SDS-V3-plasma-0_Cluster_3078_sequences=12 0 12
SDS-V3-plasma-0_Cluster_3555_sequences=12 0 12
SDS-V3-plasma-0_Cluster_4066_sequences=12 0 12
SDS-V3-plasma-0_Cluster_2441_sequences=12 0 12
SDS-V3-plasma-0_Cluster_2523_sequences=12 0 12
SDS-V3-plasma-0_Cluster_1401_sequences=12 0 12
SDS-V3-plasma-0_Cluster_1721_sequences=12 0 12
SDS-V3-plasma-0_Cluster_1384_sequences=12 0 12
SDS-V3-plasma-0_Cluster_142_sequences=12 0 12
SDS-V3-plasma-0_Cluster_7201_sequences=12 0 12
SDS-V3-plasma-0_Cluster_8278_sequences=12 0 12
SDS-V3-plasma-0_Cluster_6674_sequences=12 0 12
SDS-V3-plasma-0_Cluster_13798_sequences=12 0 12
SDS-V3-plasma-0_Cluster_8460_sequences=12 0 12
SDS-V3-plasma-0_Cluster_3412_sequences=12 0 12
SDS-V3-plasma-0_Cluster_2382_sequences=12 0 12
SDS-V3-plasma-0_Cluster_7321_sequences=12 0 12
SDS-V3-plasma-0_Cluster_4258_sequences=12 0 12
SDS-V3-plasma-0_Cluster_3672_sequences=12 0 12
SDS-V3-plasma-0_Cluster_1054_sequences=12 0 12
SDS-V3-plasma-0_Cluster_3329_sequences=12 0 12
SDS-V3-plasma-0_Cluster_1372_sequences=12 0 12
SDS-V3-plasma-0_Cluster_919_sequences=12 0 12
SDS-V3-plasma-0_Cluster_4980_sequences=12 0 12
SDS-V3-plasma-0_Cluster_1712_sequences=12 0 12
SDS-V3-plasma-0_Cluster_78_sequences=12 0 12
SDS-V3-plasma-0_Cluster_1791_sequences=12 0 12
SDS-V3-plasma-0_Cluster_2860_sequences=12 0 12
SDS-V3-plasma-0_Cluster_3567_sequences=12 0 12
SDS-V3-plasma-0_Cluster_2274_sequences=12 0 12
SDS-V3-plasma-0_Cluster_347_sequences=12 0 12
SDS-V3-plasma-5_Cluster_0_sequences=12 9 12
SDS-V3-plasma-5_Cluster_283_sequences=12 9 12
SDS-V3-plasma-5_Cluster_364_sequences=12 9 12
SDS-V3-plasma-5_Cluster_434_sequences=12 9 12
SDS-V3-plasma-5_Cluster_637_sequences=12 9 12
SDS-V3-plasma-5_Cluster_164_sequences=12 9 12
SDS-V3-plasma-5_Cluster_594_sequences=12 9 12
| Sequence Description                        | Value1 | Value2 |
|-------------------------------------------|--------|--------|
| SDS-V3-plasma-5_Cluster_407_sequences     | 9      | 12     |
| SDS-V3-plasma-5_Cluster_1148_sequences    | 9      | 12     |
| SDS-V3-plasma-5_Cluster_1245_sequences    | 9      | 12     |
| SDS-V3-plasma-5_Cluster_491_sequences     | 9      | 12     |
| SDS-V3-plasma-5_Cluster_483_sequences     | 9      | 12     |
| SDS-V3-plasma-5_Cluster_484_sequences     | 9      | 12     |
| SDS-V3-plasma-5_Cluster_739_sequences     | 9      | 12     |
| SDS-V3-plasma-5_Cluster_699_sequences     | 9      | 12     |
| SDS-V3-plasma-5_Cluster_70_sequences      | 9      | 12     |
| SDS-V3-plasma-5_Cluster_75_sequences      | 9      | 12     |
| SDS-V3-plasma-7_Cluster_1655_sequences    | 14     | 12     |
| SDS-V3-plasma-7_Cluster_4457_sequences    | 14     | 12     |
| SDS-V3-plasma-7_Cluster_2074_sequences    | 14     | 12     |
| SDS-V3-plasma-7_Cluster_1487_sequences    | 14     | 12     |
| SDS-V3-plasma-7_Cluster_1022_sequences    | 14     | 12     |
| SDS-V3-plasma-7_Cluster_1666_sequences    | 14     | 12     |
| SDS-V3-plasma-7_Cluster_521_sequences     | 14     | 12     |
| SDS-V3-plasma-7_Cluster_880_sequences     | 14     | 12     |
| SDS-V3-plasma-7_Cluster_986_sequences     | 14     | 12     |
| SDS-V3-plasma-7_Cluster_1564_sequences    | 14     | 12     |
| SDS-V3-plasma-7_Cluster_222_sequences     | 14     | 12     |
| SDS-V3-plasma-7_Cluster_49_sequences      | 14     | 12     |
| SDS-V3-plasma-7_Cluster_587_sequences     | 14     | 12     |
| SDS-V3-plasma-7_Cluster_440_sequences     | 14     | 12     |
| SDS-V3-plasma-7_Cluster_676_sequences     | 14     | 12     |
| SDS-V3-plasma-7_Cluster_3427_sequences    | 14     | 12     |
| SDS-V3-plasma-7_Cluster_959_sequences     | 14     | 12     |
| SDS-V3-plasma-7_Cluster_1971_sequences    | 14     | 12     |
| SDS-V3-plasma-7_Cluster_1526_sequences    | 14     | 12     |
| SDS-V3-plasma-7_Cluster_2189_sequences    | 14     | 12     |
| SDS-V3-plasma-7_Cluster_2694_sequences    | 14     | 12     |
| SDS-V3-plasma-7_Cluster_1438_sequences    | 14     | 12     |
| SDS-V3-plasma-7_Cluster_2098_sequences    | 14     | 12     |
| SDS-V3-plasma-7_Cluster_4949_sequences    | 14     | 12     |
| SDS-V3-plasma-7_Cluster_1122_sequences    | 14     | 12     |
| SDS-V3-plasma-7_Cluster_631_sequences     | 14     | 12     |
| SDS-V3-plasma-7_Cluster_1571_sequences    | 14     | 12     |
| SDS-V3-plasma-7_Cluster_2215_sequences    | 14     | 12     |
| SDS-V3-plasma-7_Cluster_1750_sequences    | 14     | 12     |
| SDS-V3-plasma-7_Cluster_4905_sequences    | 14     | 12     |
| SDS-V3-plasma-7_Cluster_2204_sequences    | 14     | 12     |
| SDS-V3-plasma-8_Cluster_101_sequences     | 16     | 12     |
| SDS-V3-plasma-8_Cluster_26_sequences      | 16     | 12     |
| SDS-V3-plasma-8_Cluster_111_sequences     | 16     | 12     |
| SDS-V3-plasma-8_Cluster_782_sequences     | 16     | 12     |
| Cluster Name                        | Sequences | Length | GC% |
|------------------------------------|-----------|--------|-----|
| SDS-V3-plasma-8_Cluster_530        | 12        | 16     | 12  |
| SDS-V3-plasma-8_Cluster_93         | 12        | 16     | 12  |
| SDS-V3-plasma-8_Cluster_4903       | 12        | 16     | 12  |
| SDS-V3-plasma-8_Cluster_2549       | 12        | 16     | 12  |
| SDS-V3-plasma-8_Cluster_9276       | 12        | 16     | 12  |
| SDS-V3-plasma-8_Cluster_2486       | 12        | 16     | 12  |
| SDS-V3-plasma-8_Cluster_2689       | 12        | 16     | 12  |
| SDS-V3-plasma-8_Cluster_2984       | 12        | 16     | 12  |
| SDS-V3-plasma-8_Cluster_3673       | 12        | 16     | 12  |
| SDS-V3-plasma-8_Cluster_3619       | 12        | 16     | 12  |
| SDS-V3-plasma-8_Cluster_3243       | 12        | 16     | 12  |
| SDS-V3-plasma-8_Cluster_4514       | 12        | 16     | 12  |
| SDS-V3-plasma-8_Cluster_3853       | 12        | 16     | 12  |
| SDS-V3-plasma-8_Cluster_3858       | 12        | 16     | 12  |
| SDS-V3-plasma-8_Cluster_2774       | 12        | 16     | 12  |
| SDS-V3-plasma-8_Cluster_4512       | 12        | 16     | 12  |
| SDS-V3-plasma-8_Cluster_5504       | 12        | 16     | 12  |
| SDS-V3-plasma-8_Cluster_3008       | 12        | 16     | 12  |
| SDS-V3-plasma-8_Cluster_2418       | 12        | 16     | 12  |
| SDS-V3-plasma-8_Cluster_3018       | 12        | 16     | 12  |
| SDS-V3-plasma-8_Cluster_6020       | 12        | 16     | 12  |
| SDS-V3-plasma-8_Cluster_4434       | 12        | 16     | 12  |
| SDS-V3-plasma-8_Cluster_3184       | 12        | 16     | 12  |
| SDS-V3-plasma-8_Cluster_329        | 12        | 16     | 12  |
| SDS-V3-plasma-8_Cluster_7324       | 12        | 16     | 12  |
| SDS-V3-plasma-24_Cluster_1628      | 12        | 124    | 12  |
| SDS-V3-plasma-24_Cluster_1668      | 12        | 124    | 12  |
| SDS-V3-plasma-24_Cluster_279       | 12        | 124    | 12  |
| SDS-V3-plasma-24_Cluster_2808      | 12        | 124    | 12  |
| SDS-V3-plasma-24_Cluster_4048      | 12        | 124    | 12  |
| SDS-V3-plasma-24_Cluster_884       | 12        | 124    | 12  |
| SDS-V3-plasma-24_Cluster_945       | 12        | 124    | 12  |
| SDS-V3-plasma-24_Cluster_4982      | 12        | 124    | 12  |
| SDS-V3-plasma-24_Cluster_765       | 12        | 124    | 12  |
| SDS-V3-plasma-24_Cluster_685       | 12        | 124    | 12  |
| SDS-V3-plasma-24_Cluster_2028      | 12        | 124    | 12  |
| SDS-V3-plasma-24_Cluster_2043      | 12        | 124    | 12  |
| SDS-V3-plasma-24_Cluster_327       | 12        | 124    | 12  |
| SDS-V3-plasma-24_Cluster_4209      | 12        | 124    | 12  |
| SDS-V3-plasma-24_Cluster_1785      | 12        | 124    | 12  |
| SDS-V3-plasma-24_Cluster_3358      | 12        | 124    | 12  |
| SDS-V3-plasma-24_Cluster_1136      | 12        | 124    | 12  |
| SDS-V3-plasma-24_Cluster_2363      | 12        | 124    | 12  |
| SDS-V3-plasma-24_Cluster_2992      | 12        | 124    | 12  |
| SDS-V3-plasma-24_Cluster_397       | 12        | 124    | 12  |
| Cluster Name                        | Sequences | Length |
|------------------------------------|-----------|--------|
| SDS-V3-plasma-45_Cluster_11973     | 12        | 282    |
| SDS-V3-plasma-45_Cluster_13516     | 12        | 282    |
| SDS-V3-plasma-45_Cluster_18849     | 12        | 282    |
| SDS-V3-plasma-45_Cluster_7765      | 12        | 282    |
| SDS-V3-plasma-45_Cluster_5348      | 12        | 282    |
| SDS-V3-plasma-45_Cluster_21819     | 12        | 282    |
| SDS-V3-plasma-45_Cluster_21988     | 12        | 282    |
| SDS-V3-plasma-45_Cluster_19741     | 12        | 282    |
| SDS-V3-plasma-45_Cluster_6119      | 12        | 282    |
| SDS-V3-plasma-45_Cluster_27433     | 12        | 282    |
| SDS-V3-plasma-45_Cluster_50125     | 12        | 282    |
| SDS-V3-plasma-45_Cluster_5744      | 12        | 282    |
| SDS-V3-plasma-45_Cluster_19010     | 12        | 282    |
| SDS-V3-plasma-45_Cluster_22537     | 12        | 282    |
| SDS-V3-plasma-45_Cluster_32119     | 12        | 282    |
| SDS-V3-plasma-45_Cluster_3931      | 12        | 282    |
| SDS-V3-plasma-45_Cluster_4993      | 12        | 282    |
| SDS-V3-plasma-45_Cluster_50125     | 12        | 282    |
| SDS-V3-plasma-45_Cluster_8129      | 12        | 282    |
| SDS-V3-plasma-45_Cluster_5407      | 12        | 282    |
| SDS-V3-plasma-45_Cluster_2875      | 12        | 282    |
| SDS-V3-plasma-45_Cluster_10347     | 12        | 282    |
| SDS-V3-plasma-45_Cluster_15122     | 12        | 282    |
| SDS-V3-plasma-45_Cluster_15138     | 12        | 282    |
| SDS-V3-plasma-45_Cluster_16235     | 12        | 282    |
| SDS-V3-plasma-45_Cluster_16588     | 12        | 282    |
| SDS-V3-plasma-45_Cluster_16595     | 12        | 282    |
| SDS-V3-plasma-45_Cluster_17229     | 12        | 282    |
| SDS-V3-plasma-45_Cluster_17298     | 12        | 282    |
| SDS-V3-plasma-45_Cluster_17786     | 12        | 282    |
| SDS-V3-plasma-45_Cluster_17999     | 12        | 282    |
| SDS-V3-plasma-45_Cluster_18992     | 12        | 282    |
| SDS-V3-plasma-45_Cluster_27537     | 12        | 282    |
| SDS-V3-plasma-45_Cluster_3207      | 12        | 282    |
| SDS-V3-plasma-45_Cluster_34447     | 12        | 282    |
| SDS-V3-plasma-45_Cluster_38434     | 12        | 282    |
| SDS-V3-plasma-45_Cluster_4927      | 12        | 282    |
| SDS-V3-plasma-45_Cluster_54927     | 12        | 282    |
| SDS-V3-plasma-45_Cluster_607       | 12        | 282    |
| SDS-V3-plasma-45_Cluster_6442      | 12        | 282    |
| SDS-V3-plasma-45_Cluster_7317      | 12        | 282    |
| SDS-V3-plasma-45_Cluster_552       | 12        | 282    |
| SDS-V3-plasma-45_Cluster_6718      | 12        | 282    |
| SDS-V3-plasma-45_Cluster_12696     | 12        | 282    |
| Cluster Name                                      | Sequences | Length |
|--------------------------------------------------|-----------|--------|
| SDS-V3-plasma-45_Cluster_10098_sequences=12      | 282       | 12     |
| SDS-V3-plasma-45_Cluster_5145_sequences=12       | 282       | 12     |
| SDS-V3-plasma-45_Cluster_7730_sequences=12       | 282       | 12     |
| SDS-V3-plasma-45_Cluster_9607_sequences=12       | 282       | 12     |
| SDS-V3-plasma-45_Cluster_12851_sequences=12      | 282       | 12     |
| SDS-V3-plasma-45_Cluster_8074_sequences=12       | 282       | 12     |
| SDS-V3-plasma-45_Cluster_15585_sequences=12      | 282       | 12     |
| SDS-V3-plasma-45_Cluster_23438_sequences=12      | 282       | 12     |
| SDS-V3-plasma-45_Cluster_23045_sequences=12      | 282       | 12     |
| SDS-V3-plasma-45_Cluster_11498_sequences=12      | 282       | 12     |
| SDS-V3-plasma-45_Cluster_13605_sequences=12      | 282       | 12     |
| SDS-V3-plasma-45_Cluster_11768_sequences=12      | 282       | 12     |
| SDS-V3-plasma-45_Cluster_12755_sequences=12      | 282       | 12     |
| SDS-V3-plasma-45_Cluster_14663_sequences=12      | 282       | 12     |
| SDS-V3-plasma-45_Cluster_16062_sequences=12      | 282       | 12     |
| SDS-V3-plasma-45_Cluster_9506_sequences=12       | 282       | 12     |
| SDS-V3-plasma-45_Cluster_2139_sequences=12       | 282       | 12     |
| SDS-V3-plasma-45_Cluster_49656_sequences=12      | 282       | 12     |
| SDS-V3-plasma-45_Cluster_673_sequences=12        | 282       | 12     |
| SDS-V3-plasma-45_Cluster_49970_sequences=12      | 282       | 12     |
| SDS-V3-plasma-45_Cluster_10117_sequences=12      | 282       | 12     |
| SDS-V3-plasma-45_Cluster_10323_sequences=12      | 282       | 12     |
| SDS-V3-plasma-45_Cluster_18044_sequences=12      | 282       | 12     |
| SDS-V3-plasma-45_Cluster_10713_sequences=12      | 282       | 12     |
| SDS-V3-plasma-45_Cluster_2035_sequences=12       | 282       | 12     |
| SDS-V3-plasma-45_Cluster_20161_sequences=12      | 282       | 12     |
| SDS-V3-plasma-45_Cluster_2859_sequences=12       | 282       | 12     |
| SDS-V3-plasma-45_Cluster_1246_sequences=12       | 282       | 12     |
| SDS-V3-plasma-45_Cluster_24416_sequences=12      | 282       | 12     |
| SDS-V3-plasma-45_Cluster_9970_sequences=12       | 282       | 12     |
| SDS-V3-plasma-45_Cluster_10315_sequences=12      | 282       | 12     |
| SDS-V3-plasma-45_Cluster_1318_sequences=12       | 282       | 12     |
| SDS-V3-plasma-45_Cluster_2317_sequences=12       | 282       | 12     |
| SDS-V3-plasma-45_Cluster_10114_sequences=12      | 282       | 12     |
| SDS-V3-plasma-45_Cluster_1125_sequences=12       | 282       | 12     |
| SDS-V3-plasma-45_Cluster_15226_sequences=12      | 282       | 12     |
| SDS-V3-plasma-45_Cluster_15477_sequences=12      | 282       | 12     |
| SDS-V3-plasma-45_Cluster_1376_sequences=12       | 282       | 12     |
| SDS-V3-plasma-45_Cluster_22585_sequences=12      | 282       | 12     |
| SDS-V3-plasma-45_Cluster_12238_sequences=12      | 282       | 12     |
| SDS-V3-plasma-45_Cluster_18368_sequences=12      | 282       | 12     |
| SDS-V3-plasma-45_Cluster_4441_sequences=12       | 282       | 12     |
| SDS-V3-plasma-45_Cluster_10891_sequences=12      | 282       | 12     |
| SDS-V3-plasma-45_Cluster_24993_sequences=12      | 282       | 12     |
| Cluster Name                        | Sequences | Start | Stop |
|------------------------------------|-----------|-------|------|
| SDS-V3-plasma-45_Cluster_3925      | 12        | 282   | 12   |
| SDS-V3-plasma-45_Cluster_19221     | 12        | 282   | 12   |
| SDS-V3-plasma-45_Cluster_16998     | 12        | 282   | 12   |
| SDS-V3-plasma-45_Cluster_4186      | 12        | 282   | 12   |
| SDS-V3-plasma-45_Cluster_3648      | 12        | 282   | 12   |
| SDS-V3-plasma-45_Cluster_5943      | 12        | 282   | 12   |
| SDS-V3-plasma-45_Cluster_14786     | 12        | 282   | 12   |
| SDS-V3-plasma-45_Cluster_11399     | 12        | 282   | 12   |
| SDS-V3-plasma-45_Cluster_27962     | 12        | 282   | 12   |
| SDS-V3-plasma-45_Cluster_8702      | 12        | 282   | 12   |
| SDS-V3-plasma-45_Cluster_5901      | 12        | 282   | 12   |
| SDS-V3-plasma-45_Cluster_1710      | 12        | 282   | 12   |
| SDS-V3-plasma-45_Cluster_8349      | 12        | 282   | 12   |
| SDS-V3-plasma-45_Cluster_6165      | 12        | 282   | 12   |
| SDS-V3-plasma-45_Cluster_4614      | 12        | 282   | 12   |
| SDS-V3-plasma-45_Cluster_4161      | 12        | 282   | 12   |
| SDS-V3-plasma-45_Cluster_4733      | 12        | 282   | 12   |
| SDS-V3-plasma-45_Cluster_10765     | 12        | 282   | 12   |
| SDS-V3-plasma-45_Cluster_30457     | 12        | 282   | 12   |
| SDS-V3-plasma-45_Cluster_50574     | 12        | 282   | 12   |
| SDS-V3-plasma-45_Cluster_4210      | 12        | 282   | 12   |
| SDS-V3-plasma-45_Cluster_11377     | 12        | 282   | 12   |
| SDS-V3-plasma-45_Cluster_11873     | 12        | 282   | 12   |
| SDS-V3-plasma-45_Cluster_12293     | 12        | 282   | 12   |
| SDS-V3-plasma-45_Cluster_13280     | 12        | 282   | 12   |
| SDS-V3-plasma-45_Cluster_341       | 12        | 282   | 12   |
| SDS-V3-plasma-45_Cluster_3689      | 12        | 282   | 12   |
| SDS-V3-plasma-45_Cluster_7692      | 12        | 282   | 12   |
| SDS-V3-plasma-45_Cluster_8995      | 12        | 282   | 12   |
| SDS-V3-plasma-45_Cluster_156       | 12        | 282   | 12   |
| SDS-V3-plasma-45_Cluster_16193     | 12        | 282   | 12   |
| SDS-V3-plasma-45_Cluster_15648     | 12        | 282   | 12   |
| SDS-V3-plasma-45_Cluster_10865     | 12        | 282   | 12   |
| SDS-V3-plasma-45_Cluster_7905      | 12        | 282   | 12   |
| SDS-V3-plasma-45_Cluster_5057      | 12        | 282   | 12   |
| SDS-V3-plasma-45_Cluster_769       | 12        | 282   | 12   |
| SDS-V3-plasma-45_Cluster_12417     | 12        | 282   | 12   |
| SDS-V3-plasma-45_Cluster_25284     | 12        | 282   | 12   |
| SDS-V3-plasma-45_Cluster_4751      | 12        | 282   | 12   |
| SDS-V3-plasma-45_Cluster_5524      | 12        | 282   | 12   |
| SDS-V3-plasma-45_Cluster_29534     | 12        | 282   | 12   |
| SDS-V3-plasma-45_Cluster_16470     | 12        | 282   | 12   |
| SDS-V3-plasma-45_Cluster_10139     | 12        | 282   | 12   |
| SDS-V3-plasma-45_Cluster_16781     | 12        | 282   | 12   |
| SDS-V3-plasma-45_Cluster_4684      | 12        | 282   | 12   |
| Cluster Name                                      | Sequences |增加值 | 德容 |
|--------------------------------------------------|-----------|--------|------|
| SDS-V3-plasma-45_Cluster_3222_sequences=12       | 282       | 12     |
| SDS-V3-plasma-45_Cluster_27550_sequences=12      | 282       | 12     |
| SDS-V3-plasma-45_Cluster_12374_sequences=12      | 282       | 12     |
| SDS-V3-plasma-45_Cluster_24042_sequences=12      | 282       | 12     |
| SDS-V3-plasma-45_Cluster_10074_sequences=12      | 282       | 12     |
| SDS-V3-plasma-45_Cluster_25610_sequences=12      | 282       | 12     |
| SDS-V3-plasma-45_Cluster_25286_sequences=12      | 282       | 12     |
| SDS-V3-plasma-45_Cluster_18582_sequences=12      | 282       | 12     |
| SDS-V3-plasma-45_Cluster_20868_sequences=12      | 282       | 12     |
| SDS-V3-plasma-45_Cluster_601_sequences=12        | 282       | 12     |
| SDS-V3-plasma-45_Cluster_13548_sequences=12      | 282       | 12     |
| SDS-V3-plasma-45_Cluster_26561_sequences=12      | 282       | 12     |
| SDS-V3-plasma-45_Cluster_4603_sequences=12       | 282       | 12     |
| SDS-V3-plasma-45_Cluster_14330_sequences=12      | 282       | 12     |
| SDS-V3-plasma-45_Cluster_14338_sequences=12      | 282       | 12     |
| SDS-V3-plasma-45_Cluster_14397_sequences=12      | 282       | 12     |
| SDS-V3-plasma-45_Cluster_14968_sequences=12      | 282       | 12     |
| SDS-V3-plasma-45_Cluster_24771_sequences=12      | 282       | 12     |
| SDS-V3-plasma-45_Cluster_4527_sequences=12       | 282       | 12     |
| SDS-V3-plasma-45_Cluster_4889_sequences=12       | 282       | 12     |
| SDS-V3-plasma-45_Cluster_15514_sequences=12      | 282       | 12     |
| SDS-V3-plasma-45_Cluster_12779_sequences=12      | 282       | 12     |
| SDS-V3-plasma-45_Cluster_16247_sequences=12      | 282       | 12     |
| SDS-V3-plasma-45_Cluster_10196_sequences=12      | 282       | 12     |
| SDS-V3-plasma-46_Cluster_1645_sequences=12       | 286       | 12     |
| SDS-V3-plasma-46_Cluster_722_sequences=12        | 286       | 12     |
| SDS-V3-plasma-46_Cluster_10119_sequences=12      | 286       | 12     |
| SDS-V3-plasma-46_Cluster_1038_sequences=12       | 286       | 12     |
| SDS-V3-plasma-46_Cluster_17139_sequences=12      | 286       | 12     |
| SDS-V3-plasma-46_Cluster_15938_sequences=12      | 286       | 12     |
| SDS-V3-plasma-46_Cluster_4593_sequences=12       | 286       | 12     |
| SDS-V3-plasma-46_Cluster_648_sequences=12        | 286       | 12     |
| SDS-V3-plasma-46_Cluster_12257_sequences=12      | 286       | 12     |
| SDS-V3-plasma-46_Cluster_3750_sequences=12       | 286       | 12     |
| SDS-V3-plasma-46_Cluster_6015_sequences=12       | 286       | 12     |
| SDS-V3-plasma-46_Cluster_1949_sequences=12       | 286       | 12     |
| SDS-V3-plasma-46_Cluster_1953_sequences=12       | 286       | 12     |
| SDS-V3-plasma-46_Cluster_6098_sequences=12       | 286       | 12     |
| SDS-V3-plasma-46_Cluster_6512_sequences=12       | 286       | 12     |
| SDS-V3-plasma-46_Cluster_6072_sequences=12       | 286       | 12     |
| SDS-V3-plasma-46_Cluster_1256_sequences=12       | 286       | 12     |
| SDS-V3-plasma-46_Cluster_721_sequences=12        | 286       | 12     |
| SDS-V3-plasma-46_Cluster_8407_sequences=12       | 286       | 12     |
| SDS-V3-plasma-46_Cluster_10243_sequences=12      | 286       | 12     |
| SDS-V3-plasma-46_Cluster_11861_sequences=12      | 286       | 12     |
| Cluster Name                                      | Sequences | Size | ID  |
|-------------------------------------------------|-----------|------|-----|
| SDS-V3-plasma-46_Cluster_5393                    | 12        | 286  | 12  |
| SDS-V3-plasma-46_Cluster_611                      | 12        | 286  | 12  |
| SDS-V3-plasma-46_Cluster_9667                    | 12        | 286  | 12  |
| SDS-V3-plasma-46_Cluster_3012                    | 12        | 286  | 12  |
| SDS-V3-plasma-46_Cluster_7129                    | 12        | 286  | 12  |
| SDS-V3-plasma-46_Cluster_5329                    | 12        | 286  | 12  |
| SDS-V3-plasma-46_Cluster_4668                    | 12        | 286  | 12  |
| SDS-V3-plasma-46_Cluster_10416                   | 12        | 286  | 12  |
| SDS-V3-plasma-46_Cluster_1069                    | 12        | 286  | 12  |
| SDS-V3-plasma-46_Cluster_3691                    | 12        | 286  | 12  |
| SDS-V3-plasma-46_Cluster_5078                    | 12        | 286  | 12  |
| SDS-V3-plasma-46_Cluster_4799                    | 12        | 286  | 12  |
| SDS-V3-plasma-46_Cluster_1648                    | 12        | 286  | 12  |
| SDS-V3-plasma-46_Cluster_2750                    | 12        | 286  | 12  |
| SDS-V3-plasma-46_Cluster_1643                    | 12        | 286  | 12  |
| SDS-V3-plasma-46_Cluster_2070                    | 12        | 286  | 12  |
| SDS-V3-plasma-46_Cluster_3286                    | 12        | 286  | 12  |
| SDS-V3-plasma-46_Cluster_4466                    | 12        | 286  | 12  |
| SDS-V3-plasma-46_Cluster_4700                    | 12        | 286  | 12  |
| SDS-V3-plasma-46_Cluster_2353                    | 12        | 286  | 12  |
| SDS-V3-plasma-46_Cluster_1235                    | 12        | 286  | 12  |
| SDS-V3-plasma-46_Cluster_1315                    | 12        | 286  | 12  |
| SDS-V3-plasma-46_Cluster_167                     | 12        | 286  | 12  |
| SDS-V3-plasma-46_Cluster_2570                    | 12        | 286  | 12  |
| SDS-V3-plasma-46_Cluster_2575                    | 12        | 286  | 12  |
| SDS-V3-plasma-46_Cluster_3171                    | 12        | 286  | 12  |
| SDS-V3-plasma-46_Cluster_3488                    | 12        | 286  | 12  |
| SDS-V3-plasma-46_Cluster_3879                    | 12        | 286  | 12  |
| SDS-V3-plasma-46_Cluster_6007                    | 12        | 286  | 12  |
| SDS-V3-plasma-46_Cluster_6078                    | 12        | 286  | 12  |
| SDS-V3-plasma-46_Cluster_13797                   | 12        | 286  | 12  |
| SDS-V3-plasma-46_Cluster_179                     | 12        | 286  | 12  |
| SDS-V3-plasma-46_Cluster_8276                    | 12        | 286  | 12  |
| SDS-V3-plasma-46_Cluster_9847                    | 12        | 286  | 12  |
| SDS-V3-plasma-46_Cluster_2477                    | 12        | 286  | 12  |
| SDS-V3-plasma-46_Cluster_3302                    | 12        | 286  | 12  |
| SDS-V3-plasma-46_Cluster_5806                    | 12        | 286  | 12  |
| SDS-V3-plasma-46_Cluster_5916                    | 12        | 286  | 12  |
| SDS-V3-plasma-46_Cluster_212                     | 12        | 286  | 12  |
| SDS-V3-plasma-46_Cluster_1280                    | 12        | 286  | 12  |
| SDS-V3-plasma-46_Cluster_5134                    | 12        | 286  | 12  |
| SDS-V3-plasma-46_Cluster_7396                    | 12        | 286  | 12  |
| SDS-V3-plasma-46_Cluster_4832                    | 12        | 286  | 12  |
| SDS-V3-plasma-46_Cluster_699                     | 12        | 286  | 12  |
| SDS-V3-plasma-46_Cluster_834                     | 12        | 286  | 12  |
| Cluster Name                        | Sequences | Length |
|------------------------------------|-----------|--------|
| SDS-V3-plasma-46_Cluster_697       | 286       | 12     |
| SDS-V3-plasma-46_Cluster_13567     | 286       | 12     |
| SDS-V3-plasma-46_Cluster_6400      | 286       | 12     |
| SDS-V3-plasma-46_Cluster_1194      | 286       | 12     |
| SDS-V3-plasma-46_Cluster_4726      | 286       | 12     |
| SDS-V3-plasma-46_Cluster_8833      | 286       | 12     |
| SDS-V3-plasma-46_Cluster_2640      | 286       | 12     |
| SDS-V3-plasma-46_Cluster_5403      | 286       | 12     |
| SDS-V3-plasma-46_Cluster_5034      | 286       | 12     |
| SDS-V3-plasma-46_Cluster_1140      | 286       | 12     |
| SDS-V3-plasma-46_Cluster_7267      | 286       | 12     |
| SDS-V3-plasma-46_Cluster_998       | 286       | 12     |
| SDS-V3-plasma-46_Cluster_6137      | 286       | 12     |
| SDS-V3-plasma-46_Cluster_5778      | 286       | 12     |
| SDS-V3-plasma-46_Cluster_893       | 286       | 12     |
| SDS-V3-plasma-46_Cluster_5737      | 286       | 12     |
| SDS-V3-plasma-67_Cluster_26617     | 504       | 12     |
| SDS-V3-plasma-67_Cluster_29550     | 504       | 12     |
| SDS-V3-plasma-67_Cluster_14843     | 504       | 12     |
| SDS-V3-plasma-67_Cluster_4048      | 504       | 12     |
| SDS-V3-plasma-67_Cluster_297       | 504       | 12     |
| SDS-V3-plasma-67_Cluster_10516     | 504       | 12     |
| SDS-V3-plasma-67_Cluster_40344     | 504       | 12     |
| SDS-V3-plasma-67_Cluster_18829     | 504       | 12     |
| SDS-V3-plasma-67_Cluster_12502     | 504       | 12     |
| SDS-V3-plasma-67_Cluster_52849     | 504       | 12     |
| SDS-V3-plasma-67_Cluster_6855      | 504       | 12     |
| SDS-V3-plasma-67_Cluster_14201     | 504       | 12     |
| SDS-V3-plasma-67_Cluster_100396    | 504       | 12     |
| SDS-V3-plasma-67_Cluster_2823      | 504       | 12     |
| SDS-V3-plasma-67_Cluster_4332      | 504       | 12     |
| SDS-V3-plasma-67_Cluster_40614     | 504       | 12     |
| SDS-V3-plasma-67_Cluster_32404     | 504       | 12     |
| SDS-V3-plasma-67_Cluster_19531     | 504       | 12     |
| SDS-V3-plasma-67_Cluster_10418     | 504       | 12     |
| SDS-V3-plasma-67_Cluster_8417      | 504       | 12     |
| SDS-V3-plasma-67_Cluster_5117      | 504       | 12     |
| SDS-V3-plasma-67_Cluster_12588     | 504       | 12     |
| SDS-V3-plasma-67_Cluster_9826      | 504       | 12     |
| SDS-V3-plasma-67_Cluster_15245     | 504       | 12     |
| SDS-V3-plasma-67_Cluster_6067      | 504       | 12     |
| SDS-V3-plasma-67_Cluster_19122     | 504       | 12     |
| SDS-V3-plasma-67_Cluster_28823     | 504       | 12     |
| SDS-V3-plasma-67_Cluster_4747      | 504       | 12     |
| SDS-V3-plasma-67_Cluster_15024     | 504       | 12     |
| Sequence Name                           | Length | Read Count |
|----------------------------------------|--------|------------|
| SDS-V3-plasma-67_Cluster_18410_sequences=12 | 504    | 11         |
| SDS-V3-plasma-67_Cluster_38216_sequences=12 | 504    | 11         |
| SDS-V3-plasma-67_Cluster_6341_sequences=12   | 504    | 11         |
| SDS-V3-plasma-67_Cluster_7684_sequences=12   | 504    | 11         |
| SDS-V3-plasma-67_Cluster_1780_sequences=12   | 504    | 11         |
| SDS-V3-plasma-67_Cluster_6578_sequences=12   | 504    | 11         |
| SDS-V3-plasma-67_Cluster_6462_sequences=12   | 504    | 11         |
| SDS-V3-plasma-67_Cluster_14779_sequences=12  | 504    | 11         |
| SDS-V3-plasma-67_Cluster_16972_sequences=12  | 504    | 11         |
| SDS-V3-plasma-67_Cluster_5973_sequences=12   | 504    | 11         |
| SDS-V3-plasma-67_Cluster_10461_sequences=12  | 504    | 11         |
| SDS-V3-plasma-67_Cluster_4824_sequences=12   | 504    | 11         |
| SDS-V3-plasma-67_Cluster_18533_sequences=12  | 504    | 11         |
| SDS-V3-plasma-67_Cluster_15784_sequences=12  | 504    | 11         |
| SDS-V3-plasma-67_Cluster_23045_sequences=12  | 504    | 11         |
| SDS-V3-plasma-67_Cluster_7964_sequences=12   | 504    | 11         |
| SDS-V3-plasma-67_Cluster_21691_sequences=12  | 504    | 11         |
| SDS-V3-plasma-67_Cluster_11301_sequences=12  | 504    | 11         |
| SDS-V3-plasma-67_Cluster_11551_sequences=12  | 504    | 11         |
| SDS-V3-plasma-67_Cluster_9941_sequences=12   | 504    | 11         |
| SDS-V3-plasma-67_Cluster_7288_sequences=12   | 504    | 11         |
| SDS-V3-plasma-67_Cluster_9554_sequences=12   | 504    | 11         |
| SDS-V3-plasma-67_Cluster_5471_sequences=12   | 504    | 11         |
| SDS-V3-plasma-67_Cluster_18396_sequences=12  | 504    | 11         |
| SDS-V3-plasma-67_Cluster_3841_sequences=12   | 504    | 11         |
| SDS-V3-plasma-67_Cluster_5010_sequences=12   | 504    | 11         |
| SDS-V3-plasma-67_Cluster_14296_sequences=12  | 504    | 11         |
| SDS-V3-plasma-67_Cluster_20189_sequences=12  | 504    | 11         |
| SDS-V3-plasma-67_Cluster_20318_sequences=12  | 504    | 11         |
| SDS-V3-plasma-67_Cluster_75590_sequences=12  | 504    | 11         |
| SDS-V3-plasma-67_Cluster_54890_sequences=12  | 504    | 11         |
| SDS-V3-plasma-67_Cluster_5452_sequences=12   | 504    | 11         |
| SDS-V3-plasma-67_Cluster_10809_sequences=12  | 504    | 11         |
| SDS-V3-plasma-67_Cluster_3825_sequences=12   | 504    | 11         |
| SDS-V3-plasma-67_Cluster_9765_sequences=12   | 504    | 11         |
| SDS-V3-plasma-67_Cluster_32008_sequences=12  | 504    | 11         |
| SDS-V3-plasma-67_Cluster_4179_sequences=12   | 504    | 11         |
| SDS-V3-plasma-67_Cluster_30228_sequences=12  | 504    | 11         |
| SDS-V3-plasma-67_Cluster_326_sequences=12    | 504    | 11         |
| SDS-V3-plasma-67_Cluster_6178_sequences=12   | 504    | 11         |
| SDS-V3-plasma-67_Cluster_6737_sequences=12   | 504    | 11         |
| SDS-V3-plasma-67_Cluster_7839_sequences=12   | 504    | 11         |
| SDS-V3-plasma-67_Cluster_7956_sequences=12   | 504    | 11         |
| SDS-V3-plasma-67_Cluster_9809_sequences=12   | 504    | 11         |
| SDS-V3-plasma-67_Cluster_14397_sequences=12  | 504    | 11         |
| Cluster Name                                                                 | Sequences | Length |
|------------------------------------------------------------------------------|-----------|--------|
| SDS-V3-plasma-67_Cluster_7383_sequences                                      | 12        | 504    |
| SDS-V3-plasma-67_Cluster_5278_sequences                                      | 12        | 504    |
| SDS-V3-plasma-67_Cluster_32980_sequences                                    | 12        | 504    |
| SDS-V3-plasma-67_Cluster_1486_sequences                                    | 12        | 504    |
| SDS-V3-plasma-67_Cluster_1745_sequences                                    | 12        | 504    |
| SDS-V3-plasma-67_Cluster_19753_sequences                                    | 12        | 504    |
| SDS-V3-plasma-67_Cluster_30188_sequences                                    | 12        | 504    |
| SDS-V3-plasma-67_Cluster_8251_sequences                                    | 12        | 504    |
| SDS-V3-plasma-67_Cluster_9004_sequences                                    | 12        | 504    |
| SDS-V3-plasma-67_Cluster_30562_sequences                                    | 12        | 504    |
| SDS-V3-plasma-67_Cluster_55_sequences                                    | 12        | 504    |
| SDS-V3-plasma-67_Cluster_19986_sequences                                    | 12        | 504    |
| SDS-V3-plasma-67_Cluster_22328_sequences                                    | 12        | 504    |
| SDS-V3-plasma-67_Cluster_5796_sequences                                    | 12        | 504    |
| SDS-V3-plasma-67_Cluster_16843_sequences                                    | 12        | 504    |
| SDS-V3-plasma-67_Cluster_2188_sequences                                    | 12        | 504    |
| SDS-V3-plasma-67_Cluster_12525_sequences                                    | 12        | 504    |
| SDS-V3-plasma-67_Cluster_7623_sequences                                    | 12        | 504    |
| SDS-V3-plasma-67_Cluster_7355_sequences                                    | 12        | 504    |
| SDS-V3-plasma-67_Cluster_2913_sequences                                    | 12        | 504    |
| SDS-V3-plasma-67_Cluster_49477_sequences                                    | 12        | 504    |
| SDS-V3-plasma-67_Cluster_14502_sequences                                    | 12        | 504    |
| SDS-V3-plasma-67_Cluster_11372_sequences                                    | 12        | 504    |
| SDS-V3-plasma-67_Cluster_48691_sequences                                    | 12        | 504    |
| SDS-V3-plasma-67_Cluster_6372_sequences                                    | 12        | 504    |
| SDS-V3-plasma-67_Cluster_1968_sequences                                    | 12        | 504    |
| SDS-V3-plasma-67_Cluster_2165_sequences                                    | 12        | 504    |
| SDS-V3-plasma-67_Cluster_10346_sequences                                    | 12        | 504    |
| SDS-V3-plasma-67_Cluster_54129_sequences                                    | 12        | 504    |
| SDS-V3-plasma-67_Cluster_353_sequences                                    | 12        | 504    |
| SDS-V3-plasma-67_Cluster_52586_sequences                                    | 12        | 504    |
| SDS-V3-plasma-67_Cluster_7934_sequences                                    | 12        | 504    |
| SDS-V3-plasma-67_Cluster_17037_sequences                                    | 12        | 504    |
| SDS-V3-plasma-67_Cluster_12439_sequences                                    | 12        | 504    |
| SDS-V3-plasma-67_Cluster_1957_sequences                                    | 12        | 504    |
| SDS-V3-plasma-67_Cluster_19645_sequences                                    | 12        | 504    |
| SDS-V3-plasma-67_Cluster_26465_sequences                                    | 12        | 504    |
| SDS-V3-plasma-67_Cluster_31850_sequences                                    | 12        | 504    |
| SDS-V3-plasma-67_Cluster_6724_sequences                                    | 12        | 504    |
| SDS-V3-plasma-67_Cluster_75574_sequences                                    | 12        | 504    |
| SDS-V3-plasma-67_Cluster_76618_sequences                                    | 12        | 504    |
| SDS-V3-plasma-67_Cluster_10534_sequences                                    | 12        | 504    |
| SDS-V3-plasma-67_Cluster_4662_sequences                                    | 12        | 504    |
| SDS-V3-plasma-67_Cluster_13273_sequences                                    | 12        | 504    |
| Cluster Name                        | Sequences | 504 | 12 |
|------------------------------------|-----------|-----|----|
| SDS-V3-plasma-67_Cluster_16195     | 12        | 504 | 12 |
| SDS-V3-plasma-67_Cluster_22252     | 12        | 504 | 12 |
| SDS-V3-plasma-67_Cluster_22253     | 12        | 504 | 12 |
| SDS-V3-plasma-67_Cluster_8259      | 12        | 504 | 12 |
| SDS-V3-plasma-67_Cluster_12098     | 12        | 504 | 12 |
| SDS-V3-plasma-67_Cluster_15200     | 12        | 504 | 12 |
| SDS-V3-plasma-67_Cluster_39446     | 12        | 504 | 12 |
| SDS-V3-plasma-67_Cluster_3914      | 12        | 504 | 12 |
| SDS-V3-plasma-67_Cluster_26717     | 12        | 504 | 12 |
| SDS-V3-plasma-67_Cluster_27459     | 12        | 504 | 12 |
| SDS-V3-plasma-67_Cluster_59546     | 12        | 504 | 12 |
| SDS-V3-plasma-67_Cluster_6225      | 12        | 504 | 12 |
| SDS-V3-plasma-67_Cluster_15439     | 12        | 504 | 12 |
| SDS-V3-plasma-67_Cluster_27459     | 12        | 504 | 12 |
| SDS-V3-plasma-67_Cluster_6120      | 12        | 504 | 12 |
| SDS-V3-plasma-67_Cluster_76748     | 12        | 504 | 12 |
| SDS-V3-plasma-67_Cluster_2986      | 12        | 504 | 12 |
| SDS-V3-plasma-67_Cluster_10449     | 11        | 504 | 12 |
| SDS-V3-plasma-67_Cluster_10653     | 11        | 504 | 12 |
| Cluster ID                          | Sequences |
|------------------------------------|-----------|
| SDS-V3-plasma-0_Cluster_16210      | 11        |
| SDS-V3-plasma-0_Cluster_1910       | 11        |
| SDS-V3-plasma-0_Cluster_196        | 11        |
| SDS-V3-plasma-0_Cluster_203        | 11        |
| SDS-V3-plasma-0_Cluster_2544       | 11        |
| SDS-V3-plasma-0_Cluster_3685       | 11        |
| SDS-V3-plasma-0_Cluster_6422       | 11        |
| SDS-V3-plasma-0_Cluster_9450       | 11        |
| SDS-V3-plasma-0_Cluster_12961      | 11        |
| SDS-V3-plasma-0_Cluster_24643      | 11        |
| SDS-V3-plasma-0_Cluster_19614      | 11        |
| SDS-V3-plasma-0_Cluster_1787       | 11        |
| SDS-V3-plasma-0_Cluster_1078       | 11        |
| SDS-V3-plasma-0_Cluster_5185       | 11        |
| SDS-V3-plasma-0_Cluster_7982       | 11        |
| SDS-V3-plasma-0_Cluster_6706       | 11        |
| SDS-V3-plasma-0_Cluster_2839       | 11        |
| SDS-V3-plasma-0_Cluster_3706       | 11        |
| SDS-V3-plasma-0_Cluster_1588       | 11        |
| SDS-V3-plasma-0_Cluster_3629       | 11        |
| SDS-V3-plasma-0_Cluster_2145       | 11        |
| SDS-V3-plasma-0_Cluster_9331       | 11        |
| SDS-V3-plasma-0_Cluster_6434       | 11        |
| SDS-V3-plasma-0_Cluster_6536       | 11        |
| SDS-V3-plasma-0_Cluster_6792       | 11        |
| SDS-V3-plasma-0_Cluster_4350       | 11        |
| SDS-V3-plasma-0_Cluster_3383       | 11        |
| SDS-V3-plasma-0_Cluster_7038       | 11        |
| SDS-V3-plasma-0_Cluster_2958       | 11        |
| SDS-V3-plasma-0_Cluster_7699       | 11        |
| SDS-V3-plasma-0_Cluster_6529       | 11        |
| SDS-V3-plasma-0_Cluster_8586       | 11        |
| SDS-V3-plasma-0_Cluster_8872       | 11        |
| SDS-V3-plasma-0_Cluster_1316       | 11        |
| SDS-V3-plasma-0_Cluster_15098      | 11        |
| SDS-V3-plasma-0_Cluster_1667       | 11        |
| SDS-V3-plasma-0_Cluster_2755       | 11        |
| SDS-V3-plasma-0_Cluster_25178      | 11        |
| SDS-V3-plasma-0_Cluster_4169       | 11        |
| SDS-V3-plasma-0_Cluster_8171       | 11        |
| SDS-V3-plasma-0_Cluster_735        | 11        |
| SDS-V3-plasma-0_Cluster_19306      | 11        |
| SDS-V3-plasma-0_Cluster_2889       | 11        |
| SDS-V3-plasma-0_Cluster_3821       | 11        |
| SDS-V3-plasma-0_Cluster_7020       | 11        |
| SDS-V3-plasma-7_Cluster_342_sequences=11 | 14 | 11 |
| SDS-V3-plasma-7_Cluster_1385_sequences=11 | 14 | 11 |
| SDS-V3-plasma-7_Cluster_4103_sequences=11 | 14 | 11 |
| SDS-V3-plasma-7_Cluster_979_sequences=11  | 14 | 11 |
| SDS-V3-plasma-7_Cluster_4493_sequences=11 | 14 | 11 |
| SDS-V3-plasma-7_Cluster_4747_sequences=11 | 14 | 11 |
| SDS-V3-plasma-7_Cluster_3578_sequences=11 | 14 | 11 |
| SDS-V3-plasma-7_Cluster_247_sequences=11  | 14 | 11 |
| SDS-V3-plasma-7_Cluster_3565_sequences=11 | 14 | 11 |
| SDS-V3-plasma-7_Cluster_1480_sequences=11 | 14 | 11 |
| SDS-V3-plasma-7_Cluster_1777_sequences=11 | 14 | 11 |
| SDS-V3-plasma-7_Cluster_401_sequences=11  | 14 | 11 |
| SDS-V3-plasma-7_Cluster_566_sequences=11  | 14 | 11 |
| SDS-V3-plasma-7_Cluster_1886_sequences=11 | 14 | 11 |
| SDS-V3-plasma-7_Cluster_608_sequences=11  | 14 | 11 |
| SDS-V3-plasma-7_Cluster_8015_sequences=11 | 14 | 11 |
| SDS-V3-plasma-7_Cluster_3998_sequences=11 | 14 | 11 |
| SDS-V3-plasma-7_Cluster_4090_sequences=11 | 14 | 11 |
| SDS-V3-plasma-7_Cluster_558_sequences=11  | 14 | 11 |
| SDS-V3-plasma-7_Cluster_2930_sequences=11 | 14 | 11 |
| SDS-V3-plasma-7_Cluster_1422_sequences=11 | 14 | 11 |
| SDS-V3-plasma-7_Cluster_2163_sequences=11 | 14 | 11 |
| SDS-V3-plasma-7_Cluster_974_sequences=11  | 14 | 11 |
| SDS-V3-plasma-7_Cluster_1785_sequences=11 | 14 | 11 |
| SDS-V3-plasma-7_Cluster_1694_sequences=11 | 14 | 11 |
| SDS-V3-plasma-7_Cluster_4170_sequences=11 | 14 | 11 |
| SDS-V3-plasma-7_Cluster_1399_sequences=11 | 14 | 11 |
| SDS-V3-plasma-8_Cluster_647_sequences=11  | 16 | 11 |
| SDS-V3-plasma-8_Cluster_236_sequences=11  | 16 | 11 |
| SDS-V3-plasma-8_Cluster_396_sequences=11  | 16 | 11 |
| SDS-V3-plasma-8_Cluster_2265_sequences=11 | 16 | 11 |
| SDS-V3-plasma-8_Cluster_3034_sequences=11 | 16 | 11 |
| SDS-V3-plasma-8_Cluster_2571_sequences=11 | 16 | 11 |
| SDS-V3-plasma-8_Cluster_3004_sequences=11 | 16 | 11 |
| SDS-V3-plasma-8_Cluster_6138_sequences=11 | 16 | 11 |
| SDS-V3-plasma-8_Cluster_3939_sequences=11 | 16 | 11 |
| SDS-V3-plasma-8_Cluster_3178_sequences=11 | 16 | 11 |
| SDS-V3-plasma-8_Cluster_5058_sequences=11 | 16 | 11 |
| SDS-V3-plasma-8_Cluster_3885_sequences=11 | 16 | 11 |
| SDS-V3-plasma-8_Cluster_3187_sequences=11 | 16 | 11 |
| SDS-V3-plasma-8_Cluster_3316_sequences=11 | 16 | 11 |
| SDS-V3-plasma-8_Cluster_2317_sequences=11 | 16 | 11 |
| SDS-V3-plasma-8_Cluster_2746_sequences=11 | 16 | 11 |
| SDS-V3-plasma-8_Cluster_2934_sequences=11 | 16 | 11 |
| Cluster Name                          | Sequences | 16 | 11 |
|---------------------------------------|-----------|----|----|
| SDS-V3-plasma-8_Cluster_3849_sequences| 11        |    |    |
| SDS-V3-plasma-8_Cluster_4073_sequences| 11        |    |    |
| SDS-V3-plasma-8_Cluster_2800_sequences| 11        |    |    |
| SDS-V3-plasma-8_Cluster_2697_sequences| 11        |    |    |
| SDS-V3-plasma-8_Cluster_3107_sequences| 11        |    |    |
| SDS-V3-plasma-8_Cluster_3204_sequences| 11        |    |    |
| SDS-V3-plasma-8_Cluster_4739_sequences| 11        |    |    |
| SDS-V3-plasma-8_Cluster_4263_sequences| 11        |    |    |
| SDS-V3-plasma-8_Cluster_2400_sequences| 11        |    |    |
| SDS-V3-plasma-8_Cluster_6424_sequences| 11        |    |    |
| SDS-V3-plasma-8_Cluster_2801_sequences| 11        |    |    |
| SDS-V3-plasma-8_Cluster_4224_sequences| 11        |    |    |
| SDS-V3-plasma-8_Cluster_3049_sequences| 11        |    |    |
| SDS-V3-plasma-8_Cluster_3613_sequences| 11        |    |    |
| SDS-V3-plasma-8_Cluster_2777_sequences| 11        |    |    |
| SDS-V3-plasma-8_Cluster_3749_sequences| 11        |    |    |
| SDS-V3-plasma-8_Cluster_3777_sequences| 11        |    |    |
| SDS-V3-plasma-8_Cluster_788_sequences| 11        |    |    |
| SDS-V3-plasma-8_Cluster_3210_sequences| 11        |    |    |
| SDS-V3-plasma-24_Cluster_3150_sequences| 11        |    |    |
| SDS-V3-plasma-24_Cluster_2322_sequences| 11        |    |    |
| SDS-V3-plasma-24_Cluster_4539_sequences| 11        |    |    |
| SDS-V3-plasma-24_Cluster_918_sequences| 11        |    |    |
| SDS-V3-plasma-24_Cluster_710_sequences| 11        |    |    |
| SDS-V3-plasma-24_Cluster_3243_sequences| 11        |    |    |
| SDS-V3-plasma-24_Cluster_2762_sequences| 11        |    |    |
| SDS-V3-plasma-24_Cluster_2143_sequences| 11        |    |    |
| SDS-V3-plasma-24_Cluster_376_sequences| 11        |    |    |
| SDS-V3-plasma-24_Cluster_1198_sequences| 11        |    |    |
| SDS-V3-plasma-24_Cluster_6934_sequences| 11        |    |    |
| SDS-V3-plasma-24_Cluster_1114_sequences| 11        |    |    |
| SDS-V3-plasma-24_Cluster_1534_sequences| 11        |    |    |
| SDS-V3-plasma-24_Cluster_1123_sequences| 11        |    |    |
| SDS-V3-plasma-24_Cluster_1156_sequences| 11        |    |    |
| SDS-V3-plasma-24_Cluster_93_sequences| 11        |    |    |
| SDS-V3-plasma-24_Cluster_1717_sequences| 11        |    |    |
| SDS-V3-plasma-24_Cluster_7728_sequences| 11        |    |    |
| SDS-V3-plasma-24_Cluster_3627_sequences| 11        |    |    |
| SDS-V3-plasma-24_Cluster_1744_sequences| 11        |    |    |
| SDS-V3-plasma-27_Cluster_1003_sequences| 11        |    |    |
| SDS-V3-plasma-27_Cluster_667_sequences| 11        |    |    |
| SDS-V3-plasma-27_Cluster_2194_sequences| 11        |    |    |
| SDS-V3-plasma-27_Cluster_582_sequences| 11        |    |    |
| SDS-V3-plasma-27_Cluster_479_sequences| 11        |    |    |
| SDS-V3-plasma-27_Cluster_2190_sequences| 11        |    |    |
| Cluster Name                                      | Sequences | 282 | 11 |
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| SDS-V3-plasma-45_Cluster_13951_sequences=11      |           | 282 | 11 |
| SDS-V3-plasma-45_Cluster_19155_sequences=11      |           | 282 | 11 |
| SDS-V3-plasma-45_Cluster_20699_sequences=11      |           | 282 | 11 |
| SDS-V3-plasma-45_Cluster_20743_sequences=11      |           | 282 | 11 |
| SDS-V3-plasma-45_Cluster_3458_sequences=11       |           | 282 | 11 |
| SDS-V3-plasma-45_Cluster_37080_sequences=11      |           | 282 | 11 |
| SDS-V3-plasma-45_Cluster_4722_sequences=11       |           | 282 | 11 |
| SDS-V3-plasma-45_Cluster_9076_sequences=11       |           | 282 | 11 |
| SDS-V3-plasma-45_Cluster_13140_sequences=11      |           | 282 | 11 |
| SDS-V3-plasma-45_Cluster_2625_sequences=11       |           | 282 | 11 |
| SDS-V3-plasma-45_Cluster_11499_sequences=11      |           | 282 | 11 |
| SDS-V3-plasma-45_Cluster_4444_sequences=11       |           | 282 | 11 |
| SDS-V3-plasma-45_Cluster_10744_sequences=11      |           | 282 | 11 |
| SDS-V3-plasma-45_Cluster_127_sequences=11        |           | 282 | 11 |
| SDS-V3-plasma-45_Cluster_13988_sequences=11      |           | 282 | 11 |
| SDS-V3-plasma-45_Cluster_36405_sequences=11      |           | 282 | 11 |
| SDS-V3-plasma-45_Cluster_3680_sequences=11       |           | 282 | 11 |
| SDS-V3-plasma-45_Cluster_39010_sequences=11      |           | 282 | 11 |
| SDS-V3-plasma-45_Cluster_465_sequences=11        |           | 282 | 11 |
| SDS-V3-plasma-45_Cluster_54_sequences=11         |           | 282 | 11 |
| SDS-V3-plasma-45_Cluster_7503_sequences=11       |           | 282 | 11 |
| SDS-V3-plasma-45_Cluster_7645_sequences=11       |           | 282 | 11 |
| SDS-V3-plasma-45_Cluster_7966_sequences=11       |           | 282 | 11 |
| SDS-V3-plasma-45_Cluster_25499_sequences=11      |           | 282 | 11 |
| SDS-V3-plasma-45_Cluster_12585_sequences=11      |           | 282 | 11 |
| SDS-V3-plasma-45_Cluster_7581_sequences=11       |           | 282 | 11 |
| SDS-V3-plasma-45_Cluster_4553_sequences=11       |           | 282 | 11 |
| SDS-V3-plasma-45_Cluster_3087_sequences=11       |           | 282 | 11 |
| SDS-V3-plasma-45_Cluster_1935_sequences=11       |           | 282 | 11 |
| SDS-V3-plasma-45_Cluster_18734_sequences=11      |           | 282 | 11 |
| SDS-V3-plasma-45_Cluster_28773_sequences=11      |           | 282 | 11 |
| SDS-V3-plasma-45_Cluster_53318_sequences=11      |           | 282 | 11 |
| SDS-V3-plasma-45_Cluster_11769_sequences=11      |           | 282 | 11 |
| SDS-V3-plasma-45_Cluster_16175_sequences=11      |           | 282 | 11 |
| SDS-V3-plasma-45_Cluster_21981_sequences=11      |           | 282 | 11 |
| SDS-V3-plasma-45_Cluster_21282_sequences=11      |           | 282 | 11 |
| SDS-V3-plasma-45_Cluster_10913_sequences=11      |           | 282 | 11 |
| SDS-V3-plasma-45_Cluster_18692_sequences=11      |           | 282 | 11 |
| SDS-V3-plasma-45_Cluster_22089_sequences=11      |           | 282 | 11 |
| SDS-V3-plasma-45_Cluster_23933_sequences=11      |           | 282 | 11 |
| SDS-V3-plasma-45_Cluster_6056_sequences=11       |           | 282 | 11 |
| SDS-V3-plasma-45_Cluster_3402_sequences=11       |           | 282 | 11 |
| SDS-V3-plasma-45_Cluster_35300_sequences=11      |           | 282 | 11 |
| SDS-V3-plasma-45_Cluster_8378_sequences=11       |           | 282 | 11 |
| SDS-V3-plasma-45_Cluster_4404_sequences=11       |           | 282 | 11 |
| Cluster Name                        | Sequences | Length | Phred Score |
|------------------------------------|-----------|--------|-------------|
| SDS-V3-plasma-45_Cluster_37017     | 11        | 282    | 11          |
| SDS-V3-plasma-45_Cluster_12123     | 11        | 282    | 11          |
| SDS-V3-plasma-45_Cluster_14849     | 11        | 282    | 11          |
| SDS-V3-plasma-45_Cluster_18957     | 11        | 282    | 11          |
| SDS-V3-plasma-45_Cluster_14723     | 11        | 282    | 11          |
| SDS-V3-plasma-45_Cluster_12105     | 11        | 282    | 11          |
| SDS-V3-plasma-45_Cluster_7290      | 11        | 282    | 11          |
| SDS-V3-plasma-45_Cluster_31406     | 11        | 282    | 11          |
| SDS-V3-plasma-45_Cluster_2412      | 11        | 282    | 11          |
| SDS-V3-plasma-45_Cluster_12073     | 11        | 282    | 11          |
| SDS-V3-plasma-45_Cluster_13261     | 11        | 282    | 11          |
| SDS-V3-plasma-45_Cluster_8811      | 11        | 282    | 11          |
| SDS-V3-plasma-45_Cluster_2759      | 11        | 282    | 11          |
| SDS-V3-plasma-45_Cluster_1744      | 11        | 282    | 11          |
| SDS-V3-plasma-45_Cluster_4195      | 11        | 282    | 11          |
| SDS-V3-plasma-45_Cluster_17591     | 11        | 282    | 11          |
| SDS-V3-plasma-45_Cluster_10267     | 11        | 282    | 11          |
| SDS-V3-plasma-45_Cluster_14386     | 11        | 282    | 11          |
| SDS-V3-plasma-45_Cluster_1525      | 11        | 282    | 11          |
| SDS-V3-plasma-45_Cluster_18391     | 11        | 282    | 11          |
| SDS-V3-plasma-45_Cluster_19351     | 11        | 282    | 11          |
| SDS-V3-plasma-45_Cluster_20671     | 11        | 282    | 11          |
| SDS-V3-plasma-45_Cluster_36912     | 11        | 282    | 11          |
| SDS-V3-plasma-45_Cluster_40051     | 11        | 282    | 11          |
| SDS-V3-plasma-45_Cluster_4632      | 11        | 282    | 11          |
| SDS-V3-plasma-45_Cluster_114       | 11        | 282    | 11          |
| SDS-V3-plasma-45_Cluster_2313      | 11        | 282    | 11          |
| SDS-V3-plasma-45_Cluster_9739      | 11        | 282    | 11          |
| SDS-V3-plasma-45_Cluster_19612     | 11        | 282    | 11          |
| SDS-V3-plasma-45_Cluster_60577     | 11        | 282    | 11          |
| SDS-V3-plasma-45_Cluster_13553     | 11        | 282    | 11          |
| SDS-V3-plasma-45_Cluster_9828      | 11        | 282    | 11          |
| SDS-V3-plasma-45_Cluster_12635     | 11        | 282    | 11          |
| SDS-V3-plasma-45_Cluster_18412     | 11        | 282    | 11          |
| SDS-V3-plasma-45_Cluster_37026     | 11        | 282    | 11          |
| SDS-V3-plasma-45_Cluster_4032      | 11        | 282    | 11          |
| SDS-V3-plasma-45_Cluster_8433      | 11        | 282    | 11          |
| SDS-V3-plasma-45_Cluster_927       | 11        | 282    | 11          |
| SDS-V3-plasma-45_Cluster_9426      | 11        | 282    | 11          |
| SDS-V3-plasma-45_Cluster_5667      | 11        | 282    | 11          |
| SDS-V3-plasma-45_Cluster_9338      | 11        | 282    | 11          |
| SDS-V3-plasma-45_Cluster_32681     | 11        | 282    | 11          |
| SDS-V3-plasma-45_Cluster_18076     | 11        | 282    | 11          |
| SDS-V3-plasma-45_Cluster_20117     | 11        | 282    | 11          |
| SDS-V3-plasma-45_Cluster_6271      | 11        | 282    | 11          |
| Cluster Name                        | Sequences | Length |
|------------------------------------|-----------|--------|
| SDS-V3-plasma-46_Cluster_4711      | 11        | 286    |
| SDS-V3-plasma-46_Cluster_1106      | 11        | 286    |
| SDS-V3-plasma-46_Cluster_11903     | 11        | 286    |
| SDS-V3-plasma-46_Cluster_3313      | 11        | 286    |
| SDS-V3-plasma-46_Cluster_5058      | 11        | 286    |
| SDS-V3-plasma-46_Cluster_5479      | 11        | 286    |
| SDS-V3-plasma-46_Cluster_572       | 11        | 286    |
| SDS-V3-plasma-46_Cluster_7667      | 11        | 286    |
| SDS-V3-plasma-46_Cluster_6600      | 11        | 286    |
| SDS-V3-plasma-46_Cluster_11580     | 11        | 286    |
| SDS-V3-plasma-46_Cluster_13552     | 11        | 286    |
| SDS-V3-plasma-46_Cluster_737       | 11        | 286    |
| SDS-V3-plasma-46_Cluster_10474     | 11        | 286    |
| SDS-V3-plasma-46_Cluster_1304      | 11        | 286    |
| SDS-V3-plasma-46_Cluster_1309      | 11        | 286    |
| SDS-V3-plasma-46_Cluster_139       | 11        | 286    |
| SDS-V3-plasma-46_Cluster_1407      | 11        | 286    |
| SDS-V3-plasma-46_Cluster_14704     | 11        | 286    |
| SDS-V3-plasma-46_Cluster_1493      | 11        | 286    |
| SDS-V3-plasma-46_Cluster_1515      | 11        | 286    |
| SDS-V3-plasma-46_Cluster_16833     | 11        | 286    |
| SDS-V3-plasma-46_Cluster_364       | 11        | 286    |
| SDS-V3-plasma-46_Cluster_3838      | 11        | 286    |
| SDS-V3-plasma-46_Cluster_3972      | 11        | 286    |
| SDS-V3-plasma-46_Cluster_4151      | 11        | 286    |
| SDS-V3-plasma-46_Cluster_4810      | 11        | 286    |
| SDS-V3-plasma-46_Cluster_5087      | 11        | 286    |
| SDS-V3-plasma-46_Cluster_5317      | 11        | 286    |
| SDS-V3-plasma-46_Cluster_5365      | 11        | 286    |
| SDS-V3-plasma-46_Cluster_6684      | 11        | 286    |
| SDS-V3-plasma-46_Cluster_7025      | 11        | 286    |
| SDS-V3-plasma-46_Cluster_775       | 11        | 286    |
| SDS-V3-plasma-46_Cluster_8866      | 11        | 286    |
| SDS-V3-plasma-46_Cluster_9114      | 11        | 286    |
| SDS-V3-plasma-46_Cluster_1317      | 11        | 286    |
| SDS-V3-plasma-46_Cluster_1576      | 11        | 286    |
| SDS-V3-plasma-46_Cluster_19927     | 11        | 286    |
| SDS-V3-plasma-46_Cluster_2782      | 11        | 286    |
| SDS-V3-plasma-46_Cluster_5743      | 11        | 286    |
| SDS-V3-plasma-46_Cluster_7309      | 11        | 286    |
| SDS-V3-plasma-46_Cluster_796       | 11        | 286    |
| SDS-V3-plasma-46_Cluster_9501      | 11        | 286    |
| SDS-V3-plasma-46_Cluster_19844     | 11        | 286    |
| SDS-V3-plasma-46_Cluster_984       | 11        | 286    |
| SDS-V3-plasma-46_Cluster_5223      | 11        | 286    |
| Cluster ID                                      | Sequences | Length |
|------------------------------------------------|-----------|--------|
| SDS-V3-plasma-46_Cluster_565                   | 11        | 286    |
| SDS-V3-plasma-46_Cluster_12366                 | 11        | 286    |
| SDS-V3-plasma-46_Cluster_1420                  | 11        | 286    |
| SDS-V3-plasma-46_Cluster_768                   | 11        | 286    |
| SDS-V3-plasma-46_Cluster_3267                  | 11        | 286    |
| SDS-V3-plasma-46_Cluster_20258                 | 11        | 286    |
| SDS-V3-plasma-46_Cluster_10703                 | 11        | 286    |
| SDS-V3-plasma-46_Cluster_1050                  | 11        | 286    |
| SDS-V3-plasma-46_Cluster_3565                  | 11        | 286    |
| SDS-V3-plasma-46_Cluster_570                   | 11        | 286    |
| SDS-V3-plasma-46_Cluster_2533                  | 11        | 286    |
| SDS-V3-plasma-46_Cluster_548                   | 11        | 286    |
| SDS-V3-plasma-46_Cluster_3204                  | 11        | 286    |
| SDS-V3-plasma-46_Cluster_2402                  | 11        | 286    |
| SDS-V3-plasma-46_Cluster_2621                  | 11        | 286    |
| SDS-V3-plasma-46_Cluster_9552                  | 11        | 286    |
| SDS-V3-plasma-46_Cluster_4275                  | 11        | 286    |
| SDS-V3-plasma-46_Cluster_7322                  | 11        | 286    |
| SDS-V3-plasma-46_Cluster_10073                 | 11        | 286    |
| SDS-V3-plasma-46_Cluster_12544                 | 11        | 286    |
| SDS-V3-plasma-46_Cluster_3240                  | 11        | 286    |
| SDS-V3-plasma-46_Cluster_6292                  | 11        | 286    |
| SDS-V3-plasma-46_Cluster_6645                  | 11        | 286    |
| SDS-V3-plasma-67_Cluster_5951                  | 11        | 504    |
| SDS-V3-plasma-67_Cluster_37898                 | 11        | 504    |
| SDS-V3-plasma-67_Cluster_46373                 | 11        | 504    |
| SDS-V3-plasma-67_Cluster_51795                 | 11        | 504    |
| SDS-V3-plasma-67_Cluster_45118                 | 11        | 504    |
| SDS-V3-plasma-67_Cluster_3433                  | 11        | 504    |
| SDS-V3-plasma-67_Cluster_6077                  | 11        | 504    |
| SDS-V3-plasma-67_Cluster_1334                  | 11        | 504    |
| SDS-V3-plasma-67_Cluster_5250                  | 11        | 504    |
| SDS-V3-plasma-67_Cluster_14487                 | 11        | 504    |
| SDS-V3-plasma-67_Cluster_9703                  | 11        | 504    |
| SDS-V3-plasma-67_Cluster_34956                 | 11        | 504    |
| SDS-V3-plasma-67_Cluster_7399                  | 11        | 504    |
| SDS-V3-plasma-67_Cluster_12190                 | 11        | 504    |
| SDS-V3-plasma-67_Cluster_15772                 | 11        | 504    |
| SDS-V3-plasma-67_Cluster_1669                  | 11        | 504    |
| SDS-V3-plasma-67_Cluster_18697                 | 11        | 504    |
| SDS-V3-plasma-67_Cluster_24813                 | 11        | 504    |
| SDS-V3-plasma-67_Cluster_261                   | 11        | 504    |
| SDS-V3-plasma-67_Cluster_14615                 | 11        | 504    |
| SDS-V3-plasma-67_Cluster_7069                  | 11        | 504    |
| SDS-V3-plasma-67_Cluster_16174                 | 11        | 504    |
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SDS-V3-plasma-67_Cluster_2893_sequences=11  504  11
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SDS-V3-plasma-67_Cluster_15610_sequences=11  504  11
SDS-V3-plasma-67_Cluster_2197_sequences=11  504  11
SDS-V3-plasma-67_Cluster_29171_sequences=11  504  11
SDS-V3-plasma-67_Cluster_36792_sequences=11  504  11
SDS-V3-plasma-67_Cluster_2324_sequences=11  504  11
SDS-V3-plasma-67_Cluster_8944_sequences=11  504  11
SDS-V3-plasma-67_Cluster_12174_sequences=11  504  11
SDS-V3-plasma-67_Cluster_17659_sequences=11  504  11
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SDS-V3-plasma-67_Cluster_2973_sequences=11  504  11
SDS-V3-plasma-67_Cluster_18113_sequences=11  504  11
SDS-V3-plasma-67_Cluster_28907_sequences=11  504  11
SDS-V3-plasma-67_Cluster_14241_sequences=11  504  11
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SDS-V3-plasma-67_Cluster_1772_sequences=11  504  11
SDS-V3-plasma-67_Cluster_18842_sequences=11  504  11
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SDS-V3-plasma-67_Cluster_9277_sequences=11  504  11
SDS-V3-plasma-67_Cluster_4735_sequences=11  504  11
SDS-V3-plasma-67_Cluster_4798_sequences=11  504  11
SDS-V3-plasma-67_Cluster_9337_sequences=11  504  11
SDS-V3-plasma-67_Cluster_3866_sequences=11  504  11
SDS-V3-plasma-67_Cluster_31757_sequences=11  504  11
SDS-V3-plasma-67_Cluster_551_sequences=11  504  11
SDS-V3-plasma-67_Cluster_7161_sequences=11  504  11
SDS-V3-plasma-67_Cluster_11122_sequences=11  504  11
SDS-V3-plasma-67_Cluster_27694_sequences=11  504  11
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| SDS-V3-plasma-67_Cluster_1852_sequences   | 504     |      | 11  |     |      |           |            |          |
| SDS-V3-plasma-67_Cluster_6349_sequences   | 504     |      | 11  |     |      |           |            |          |
| SDS-V3-plasma-67_Cluster_25452_sequences  | 504     |      | 11  |     |      |           |            |          |
| SDS-V3-plasma-67_Cluster_26817_sequences  | 504     |      | 11  |     |      |           |            |          |
| SDS-V3-plasma-67_Cluster_11841_sequences  | 504     |      | 11  |     |      |           |            |          |
| SDS-V3-plasma-67_Cluster_3304_sequences   | 504     |      | 11  |     |      |           |            |          |
| SDS-V3-plasma-67_Cluster_11411_sequences  | 504     |      | 11  |     |      |           |            |          |
| SDS-V3-plasma-67_Cluster_30034_sequences  | 504     |      | 11  |     |      |           |            |          |
| SDS-V3-plasma-67_Cluster_8839_sequences   | 504     |      | 11  |     |      |           |            |          |
| SDS-V3-plasma-67_Cluster_18623_sequences  | 504     |      | 11  |     |      |           |            |          |
| SDS-V3-plasma-67_Cluster_32009_sequences  | 504     |      | 11  |     |      |           |            |          |
| SDS-V3-plasma-67_Cluster_12871_sequences  | 504     |      | 11  |     |      |           |            |          |
| SDS-V3-plasma-67_Cluster_8653_sequences   | 504     |      | 11  |     |      |           |            |          |
| SDS-V3-plasma-67_Cluster_7763_sequences   | 504     |      | 11  |     |      |           |            |          |
| SDS-V3-plasma-67_Cluster_25537_sequences  | 504     |      | 11  |     |      |           |            |          |
| SDS-V3-plasma-67_Cluster_8220_sequences   | 504     |      | 11  |     |      |           |            |          |
| SDS-V3-plasma-67_Cluster_10430_sequences  | 504     |      | 11  |     |      |           |            |          |
| SDS-V3-plasma-67_Cluster_2438_sequences   | 504     |      | 11  |     |      |           |            |          |
| SDS-V3-plasma-67_Cluster_12723_sequences  | 504     |      | 11  |     |      |           |            |          |
| SDS-V3-plasma-67_Cluster_16643_sequences  | 504     |      | 11  |     |      |           |            |          |
| SDS-V3-plasma-67_Cluster_17310_sequences  | 504     |      | 11  |     |      |           |            |          |
| SDS-V3-plasma-67_Cluster_44418_sequences  | 504     |      | 11  |     |      |           |            |          |
| SDS-V3-plasma-67_Cluster_57998_sequences  | 504     |      | 11  |     |      |           |            |          |
| SDS-V3-plasma-67_Cluster_6866_sequences   | 504     |      | 11  |     |      |           |            |          |
| SDS-V3-plasma-67_Cluster_4435_sequences   | 504     |      | 11  |     |      |           |            |          |
| SDS-V3-plasma-67_Cluster_25213_sequences  | 504     |      | 11  |     |      |           |            |          |
| SDS-V3-plasma-67_Cluster_46293_sequences  | 504     |      | 11  |     |      |           |            |          |
| SDS-V3-plasma-67_Cluster_10884_sequences  | 504     |      | 11  |     |      |           |            |          |
| SDS-V3-plasma-67_Cluster_10946_sequences  | 504     |      | 11  |     |      |           |            |          |
| SDS-V3-plasma-67_Cluster_33305_sequences  | 504     |      | 11  |     |      |           |            |          |
| SDS-V3-plasma-67_Cluster_34555_sequences  | 504     |      | 11  |     |      |           |            |          |
| SDS-V3-plasma-67_Cluster_35840_sequences  | 504     |      | 11  |     |      |           |            |          |
| SDS-V3-plasma-67_Cluster_4841_sequences   | 504     |      | 11  |     |      |           |            |          |
| SDS-V3-plasma-67_Cluster_651_sequences    | 504     |      | 11  |     |      |           |            |          |
| SDS-V3-plasma-67_Cluster_9432_sequences   | 504     |      | 11  |     |      |           |            |          |
| SDS-V3-plasma-67_Cluster_13564_sequences  | 504     |      | 11  |     |      |           |            |          |
| SDS-V3-plasma-67_Cluster_23829_sequences  | 504     |      | 11  |     |      |           |            |          |
| SDS-V3-plasma-67_Cluster_7236_sequences   | 504     |      | 11  |     |      |           |            |          |
| SDS-V3-plasma-67_Cluster_15418_sequences  | 504     |      | 11  |     |      |           |            |          |
| SDS-V3-plasma-67_Cluster_289_sequences    | 504     |      | 11  |     |      |           |            |          |
| SDS-V3-plasma-67_Cluster_16692_sequences  | 504     |      | 11  |     |      |           |            |          |
| SDS-V3-plasma-67_Cluster_4387_sequences   | 504     |      | 11  |     |      |           |            |          |
| SDS-V3-plasma-67_Cluster_45955_sequences  | 504     |      | 11  |     |      |           |            |          |
| SDS-V3-plasma-67_Cluster_6281_sequences   | 504     |      | 11  |     |      |           |            |          |
| SDS-V3-plasma-67_Cluster_74569_sequences  | 504     |      | 11  |     |      |           |            |          |
| Sequence Description | Count | Unique Count |
|----------------------|-------|--------------|
| SDS-V3-plasma-67_Cluster_9880_sequences=11 | 504 | 11 |
| SDS-V3-plasma-67_Cluster_18285_sequences=11 | 504 | 11 |
| SDS-V3-plasma-67_Cluster_5470_sequences=11 | 504 | 11 |
| SDS-V3-plasma-67_Cluster_12453_sequences=11 | 504 | 11 |
| SDS-V3-plasma-67_Cluster_10377_sequences=11 | 504 | 11 |
| SDS-V3-plasma-67_Cluster_14596_sequences=11 | 504 | 11 |
| SDS-V3-plasma-67_Cluster_16178_sequences=11 | 504 | 11 |
| SDS-V3-plasma-67_Cluster_40555_sequences=11 | 504 | 11 |
| SDS-V3-plasma-67_Cluster_24192_sequences=11 | 504 | 11 |
| SDS-V3-plasma-67_Cluster_58755_sequences=11 | 504 | 11 |
| SDS-V3-plasma-67_Cluster_14548_sequences=11 | 504 | 11 |
| SDS-V3-plasma-67_Cluster_6116_sequences=11 | 504 | 11 |
| SDS-V3-plasma-67_Cluster_18622_sequences=11 | 504 | 11 |
| SDS-V3-plasma-67_Cluster_10529_sequences=11 | 504 | 11 |
| SDS-V3-plasma-67_Cluster_13239_sequences=11 | 504 | 11 |
| SDS-V3-plasma-67_Cluster_19705_sequences=11 | 504 | 11 |
| SDS-V3-plasma-67_Cluster_3521_sequences=11 | 504 | 11 |
| SDS-V3-plasma-67_Cluster_9465_sequences=11 | 504 | 11 |
| SDS-V3-plasma-67_Cluster_35811_sequences=11 | 504 | 11 |
| SDS-V3-plasma-67_Cluster_11459_sequences=11 | 504 | 11 |
| SDS-V3-plasma-67_Cluster_188_sequences=11 | 504 | 11 |
| SDS-V3-plasma-67_Cluster_32638_sequences=11 | 504 | 11 |
| SDS-V3-plasma-67_Cluster_772_sequences=11 | 504 | 11 |
| SDS-V3-plasma-67_Cluster_5793_sequences=11 | 504 | 11 |
| SDS-V3-plasma-67_Cluster_14019_sequences=11 | 504 | 11 |
| SDS-V3-plasma-67_Cluster_8588_sequences=11 | 504 | 11 |
| SDS-V3-plasma-46_Cluster_ACATTGAGT_sequences=10 | 286 | 10 |
| SDS-V3-plasma-0_Cluster_3184_sequences=10 | 0 | 10 |
| SDS-V3-plasma-0_Cluster_6243_sequences=10 | 0 | 10 |
| SDS-V3-plasma-0_Cluster_2575_sequences=10 | 0 | 10 |
| SDS-V3-plasma-0_Cluster_20142_sequences=10 | 0 | 10 |
| SDS-V3-plasma-0_Cluster_4710_sequences=10 | 0 | 10 |
| SDS-V3-plasma-0_Cluster_664_sequences=10 | 0 | 10 |
| SDS-V3-plasma-0_Cluster_1342_sequences=10 | 0 | 10 |
| SDS-V3-plasma-0_Cluster_1607_sequences=10 | 0 | 10 |
| SDS-V3-plasma-0_Cluster_6575_sequences=10 | 0 | 10 |
| SDS-V3-plasma-0_Cluster_9764_sequences=10 | 0 | 10 |
| SDS-V3-plasma-0_Cluster_13379_sequences=10 | 0 | 10 |
| SDS-V3-plasma-0_Cluster_1009_sequences=10 | 0 | 10 |
| SDS-V3-plasma-0_Cluster_10738_sequences=10 | 0 | 10 |
| SDS-V3-plasma-0_Cluster_12159_sequences=10 | 0 | 10 |
| SDS-V3-plasma-0_Cluster_1515_sequences=10 | 0 | 10 |
| SDS-V3-plasma-0_Cluster_3755_sequences=10 | 0 | 10 |
| SDS-V3-plasma-0_Cluster_3999_sequences=10 | 0 | 10 |
| Cluster Name                      | Sequences | 0 | 10 |
|----------------------------------|-----------|---|----|
| SDS-V3-plasma-0_Cluster_4089     | 10        | 0 | 10 |
| SDS-V3-plasma-0_Cluster_4478     | 10        | 0 | 10 |
| SDS-V3-plasma-0_Cluster_4836     | 10        | 0 | 10 |
| SDS-V3-plasma-0_Cluster_5990     | 10        | 0 | 10 |
| SDS-V3-plasma-0_Cluster_7802     | 10        | 0 | 10 |
| SDS-V3-plasma-0_Cluster_16119    | 10        | 0 | 10 |
| SDS-V3-plasma-0_Cluster_4297     | 10        | 0 | 10 |
| SDS-V3-plasma-0_Cluster_3232     | 10        | 0 | 10 |
| SDS-V3-plasma-0_Cluster_5024     | 10        | 0 | 10 |
| SDS-V3-plasma-0_Cluster_3389     | 10        | 0 | 10 |
| SDS-V3-plasma-0_Cluster_4600     | 10        | 0 | 10 |
| SDS-V3-plasma-0_Cluster_1349     | 10        | 0 | 10 |
| SDS-V3-plasma-0_Cluster_1333     | 10        | 0 | 10 |
| SDS-V3-plasma-0_Cluster_3217     | 10        | 0 | 10 |
| SDS-V3-plasma-0_Cluster_1542     | 10        | 0 | 10 |
| SDS-V3-plasma-0_Cluster_5429     | 10        | 0 | 10 |
| SDS-V3-plasma-0_Cluster_11618    | 10        | 0 | 10 |
| SDS-V3-plasma-0_Cluster_5877     | 10        | 0 | 10 |
| SDS-V3-plasma-0_Cluster_886      | 10        | 0 | 10 |
| SDS-V3-plasma-0_Cluster_25386    | 10        | 0 | 10 |
| SDS-V3-plasma-0_Cluster_10140    | 10        | 0 | 10 |
| SDS-V3-plasma-0_Cluster_1976     | 10        | 0 | 10 |
| SDS-V3-plasma-0_Cluster_20434    | 10        | 0 | 10 |
| SDS-V3-plasma-0_Cluster_8545     | 10        | 0 | 10 |
| SDS-V3-plasma-0_Cluster_987      | 10        | 0 | 10 |
| SDS-V3-plasma-0_Cluster_647      | 10        | 0 | 10 |
| SDS-V3-plasma-0_Cluster_3695     | 10        | 0 | 10 |
| SDS-V3-plasma-0_Cluster_2457     | 10        | 0 | 10 |
| SDS-V3-plasma-0_Cluster_6590     | 10        | 0 | 10 |
| SDS-V3-plasma-0_Cluster_3585     | 10        | 0 | 10 |
| SDS-V3-plasma-0_Cluster_1517     | 10        | 0 | 10 |
| SDS-V3-plasma-0_Cluster_10333    | 10        | 0 | 10 |
| SDS-V3-plasma-0_Cluster_366      | 10        | 0 | 10 |
| SDS-V3-plasma-0_Cluster_1599     | 10        | 0 | 10 |
| SDS-V3-plasma-0_Cluster_1583     | 10        | 0 | 10 |
| SDS-V3-plasma-0_Cluster_5667     | 10        | 0 | 10 |
| SDS-V3-plasma-0_Cluster_2005     | 10        | 0 | 10 |
| SDS-V3-plasma-0_Cluster_4993     | 10        | 0 | 10 |
| SDS-V3-plasma-0_Cluster_2148     | 10        | 0 | 10 |
| SDS-V3-plasma-0_Cluster_23353    | 10        | 0 | 10 |
| SDS-V3-plasma-0_Cluster_5946     | 10        | 0 | 10 |
| SDS-V3-plasma-0_Cluster_1007     | 10        | 0 | 10 |
| SDS-V3-plasma-0_Cluster_1561     | 10        | 0 | 10 |
| SDS-V3-plasma-0_Cluster_3638     | 10        | 0 | 10 |
| SDS-V3-plasma-0_Cluster_5507     | 10        | 0 | 10 |
| Dataset | Cluster | Sequences |
|---------|---------|-----------|
| SDS-V3-plasma-5_Cluster_115_sequences | 9 | 10 |
| SDS-V3-plasma-5_Cluster_203_sequences | 9 | 10 |
| SDS-V3-plasma-5_Cluster_1607_sequences | 9 | 10 |
| SDS-V3-plasma-5_Cluster_16_sequences | 9 | 10 |
| SDS-V3-plasma-5_Cluster_18_sequences | 9 | 10 |
| SDS-V3-plasma-5_Cluster_334_sequences | 9 | 10 |
| SDS-V3-plasma-5_Cluster_449_sequences | 9 | 10 |
| SDS-V3-plasma-5_Cluster_834_sequences | 9 | 10 |
| SDS-V3-plasma-5_Cluster_321_sequences | 9 | 10 |
| SDS-V3-plasma-7_Cluster_2194_sequences | 14 | 10 |
| SDS-V3-plasma-7_Cluster_2447_sequences | 14 | 10 |
| SDS-V3-plasma-7_Cluster_3131_sequences | 14 | 10 |
| SDS-V3-plasma-7_Cluster_3755_sequences | 14 | 10 |
| SDS-V3-plasma-7_Cluster_3874_sequences | 14 | 10 |
| SDS-V3-plasma-7_Cluster_468_sequences | 14 | 10 |
| SDS-V3-plasma-7_Cluster_788_sequences | 14 | 10 |
| SDS-V3-plasma-7_Cluster_882_sequences | 14 | 10 |
| SDS-V3-plasma-7_Cluster_369_sequences | 14 | 10 |
| SDS-V3-plasma-7_Cluster_1962_sequences | 14 | 10 |
| SDS-V3-plasma-7_Cluster_5532_sequences | 14 | 10 |
| SDS-V3-plasma-7_Cluster_5736_sequences | 14 | 10 |
| SDS-V3-plasma-7_Cluster_2337_sequences | 14 | 10 |
| SDS-V3-plasma-7_Cluster_297_sequences | 14 | 10 |
| SDS-V3-plasma-7_Cluster_5052_sequences | 14 | 10 |
| SDS-V3-plasma-7_Cluster_4020_sequences | 14 | 10 |
| SDS-V3-plasma-7_Cluster_5835_sequences | 14 | 10 |
| SDS-V3-plasma-7_Cluster_1472_sequences | 14 | 10 |
| SDS-V3-plasma-7_Cluster_1491_sequences | 14 | 10 |
| SDS-V3-plasma-7_Cluster_531_sequences | 14 | 10 |
| SDS-V3-plasma-7_Cluster_1243_sequences | 14 | 10 |
| SDS-V3-plasma-7_Cluster_353_sequences | 14 | 10 |
| SDS-V3-plasma-7_Cluster_4781_sequences | 14 | 10 |
| SDS-V3-plasma-7_Cluster_780_sequences | 14 | 10 |
| SDS-V3-plasma-7_Cluster_2559_sequences | 14 | 10 |
| SDS-V3-plasma-7_Cluster_1986_sequences | 14 | 10 |
| SDS-V3-plasma-7_Cluster_458_sequences | 14 | 10 |
| SDS-V3-plasma-7_Cluster_5213_sequences | 14 | 10 |
| SDS-V3-plasma-7_Cluster_653_sequences | 14 | 10 |
| SDS-V3-plasma-7_Cluster_1386_sequences | 14 | 10 |
| SDS-V3-plasma-7_Cluster_1575_sequences | 14 | 10 |
| SDS-V3-plasma-7_Cluster_576_sequences | 14 | 10 |
| SDS-V3-plasma-7_Cluster_7894_sequences | 14 | 10 |
| SDS-V3-plasma-7_Cluster_1244_sequences | 14 | 10 |
| SDS-V3-plasma-7_Cluster_3788_sequences | 14 | 10 |
| SDS-V3-plasma-7_Cluster_2601_sequences | 14 | 10 |
| Cluster Name                     | Sequences | 14 | 10 |
|---------------------------------|-----------|----|----|
| SDS-V3-plasma-7_Cluster_2744    | 10        |    |    |
| SDS-V3-plasma-7_Cluster_2311    | 10        |    |    |
| SDS-V3-plasma-7_Cluster_4115    | 10        |    |    |
| SDS-V3-plasma-7_Cluster_2217    | 10        |    |    |
| SDS-V3-plasma-7_Cluster_2063    | 10        |    |    |
| SDS-V3-plasma-7_Cluster_937     | 10        |    |    |
| SDS-V3-plasma-7_Cluster_1084    | 10        |    |    |
| SDS-V3-plasma-8_Cluster_243     | 10        |    |    |
| SDS-V3-plasma-8_Cluster_16      | 10        |    |    |
| SDS-V3-plasma-8_Cluster_73      | 10        |    |    |
| SDS-V3-plasma-8_Cluster_233     | 10        |    |    |
| SDS-V3-plasma-8_Cluster_664     | 10        |    |    |
| SDS-V3-plasma-8_Cluster_81      | 10        |    |    |
| SDS-V3-plasma-8_Cluster_5732    | 10        |    |    |
| SDS-V3-plasma-8_Cluster_2278    | 10        |    |    |
| SDS-V3-plasma-8_Cluster_3380    | 10        |    |    |
| SDS-V3-plasma-8_Cluster_2463    | 10        |    |    |
| SDS-V3-plasma-8_Cluster_6044    | 10        |    |    |
| SDS-V3-plasma-8_Cluster_3951    | 10        |    |    |
| SDS-V3-plasma-8_Cluster_3683    | 10        |    |    |
| SDS-V3-plasma-8_Cluster_2821    | 10        |    |    |
| SDS-V3-plasma-8_Cluster_3890    | 10        |    |    |
| SDS-V3-plasma-8_Cluster_5203    | 10        |    |    |
| SDS-V3-plasma-8_Cluster_2591    | 10        |    |    |
| SDS-V3-plasma-8_Cluster_4101    | 10        |    |    |
| SDS-V3-plasma-8_Cluster_4245    | 10        |    |    |
| SDS-V3-plasma-8_Cluster_3245    | 10        |    |    |
| SDS-V3-plasma-8_Cluster_3411    | 10        |    |    |
| SDS-V3-plasma-8_Cluster_4230    | 10        |    |    |
| SDS-V3-plasma-8_Cluster_5701    | 10        |    |    |
| SDS-V3-plasma-8_Cluster_2357    | 10        |    |    |
| SDS-V3-plasma-8_Cluster_3914    | 10        |    |    |
| SDS-V3-plasma-8_Cluster_4064    | 10        |    |    |
| SDS-V3-plasma-8_Cluster_2726    | 10        |    |    |
| SDS-V3-plasma-8_Cluster_3137    | 10        |    |    |
| SDS-V3-plasma-8_Cluster_4038    | 10        |    |    |
| SDS-V3-plasma-8_Cluster_8929    | 10        |    |    |
| SDS-V3-plasma-8_Cluster_4345    | 10        |    |    |
| SDS-V3-plasma-8_Cluster_3398    | 10        |    |    |
| SDS-V3-plasma-8_Cluster_211     | 10        |    |    |
| SDS-V3-plasma-8_Cluster_4455    | 10        |    |    |
| SDS-V3-plasma-8_Cluster_3120    | 10        |    |    |
| SDS-V3-plasma-24_Cluster_1775   | 10        |    |    |
| SDS-V3-plasma-24_Cluster_2323   | 10        |    |    |
| SDS-V3-plasma-24_Cluster_366    | 10        |    |    |
| Cluster Name                          | Sequences | Length | Abundance |
|--------------------------------------|-----------|--------|-----------|
| SDS-V3-plasma-24_Cluster_3891        | 10        | 124    | 10        |
| SDS-V3-plasma-24_Cluster_728         | 10        | 124    | 10        |
| SDS-V3-plasma-24_Cluster_903         | 10        | 124    | 10        |
| SDS-V3-plasma-24_Cluster_2175        | 10        | 124    | 10        |
| SDS-V3-plasma-24_Cluster_1735        | 10        | 124    | 10        |
| SDS-V3-plasma-24_Cluster_2290        | 10        | 124    | 10        |
| SDS-V3-plasma-24_Cluster_3645        | 10        | 124    | 10        |
| SDS-V3-plasma-24_Cluster_2051        | 10        | 124    | 10        |
| SDS-V3-plasma-24_Cluster_4114        | 10        | 124    | 10        |
| SDS-V3-plasma-24_Cluster_1364        | 10        | 124    | 10        |
| SDS-V3-plasma-27_Cluster_1465        | 10        | 131    | 10        |
| SDS-V3-plasma-27_Cluster_2436        | 10        | 131    | 10        |
| SDS-V3-plasma-27_Cluster_4350        | 10        | 131    | 10        |
| SDS-V3-plasma-27_Cluster_456         | 10        | 131    | 10        |
| SDS-V3-plasma-27_Cluster_1232        | 10        | 131    | 10        |
| SDS-V3-plasma-27_Cluster_1200        | 10        | 131    | 10        |
| SDS-V3-plasma-27_Cluster_1457        | 10        | 131    | 10        |
| SDS-V3-plasma-27_Cluster_4183        | 10        | 131    | 10        |
| SDS-V3-plasma-27_Cluster_4971        | 10        | 131    | 10        |
| SDS-V3-plasma-27_Cluster_70          | 10        | 131    | 10        |
| SDS-V3-plasma-27_Cluster_913         | 10        | 131    | 10        |
| SDS-V3-plasma-27_Cluster_8484        | 10        | 131    | 10        |
| SDS-V3-plasma-27_Cluster_5942        | 10        | 131    | 10        |
| SDS-V3-plasma-45_Cluster_1258        | 10        | 282    | 10        |
| SDS-V3-plasma-45_Cluster_24503       | 10        | 282    | 10        |
| SDS-V3-plasma-45_Cluster_7708        | 10        | 282    | 10        |
| SDS-V3-plasma-45_Cluster_34204       | 10        | 282    | 10        |
| SDS-V3-plasma-45_Cluster_8075        | 10        | 282    | 10        |
| SDS-V3-plasma-45_Cluster_9283        | 10        | 282    | 10        |
| SDS-V3-plasma-45_Cluster_19409       | 10        | 282    | 10        |
| Cluster Identifier                  | Sequences | 282 | 10 |
|------------------------------------|-----------|-----|----|
| SDS-V3-plasma-45_Cluster_15437    |           | 282 | 10 |
| SDS-V3-plasma-45_Cluster_16185    |           | 282 | 10 |
| SDS-V3-plasma-45_Cluster_1920     |           | 282 | 10 |
| SDS-V3-plasma-45_Cluster_20946    |           | 282 | 10 |
| SDS-V3-plasma-45_Cluster_29708    |           | 282 | 10 |
| SDS-V3-plasma-45_Cluster_34203    |           | 282 | 10 |
| SDS-V3-plasma-45_Cluster_59867    |           | 282 | 10 |
| SDS-V3-plasma-45_Cluster_72       |           | 282 | 10 |
| SDS-V3-plasma-45_Cluster_8587     |           | 282 | 10 |
| SDS-V3-plasma-45_Cluster_9925     |           | 282 | 10 |
| SDS-V3-plasma-45_Cluster_9934     |           | 282 | 10 |
| SDS-V3-plasma-45_Cluster_12765    |           | 282 | 10 |
| SDS-V3-plasma-45_Cluster_57807    |           | 282 | 10 |
| SDS-V3-plasma-45_Cluster_1666     |           | 282 | 10 |
| SDS-V3-plasma-45_Cluster_11164    |           | 282 | 10 |
| SDS-V3-plasma-45_Cluster_10105    |           | 282 | 10 |
| SDS-V3-plasma-45_Cluster_1553     |           | 282 | 10 |
| SDS-V3-plasma-45_Cluster_2940     |           | 282 | 10 |
| SDS-V3-plasma-45_Cluster_33129    |           | 282 | 10 |
| SDS-V3-plasma-45_Cluster_6521     |           | 282 | 10 |
| SDS-V3-plasma-45_Cluster_24424    |           | 282 | 10 |
| SDS-V3-plasma-45_Cluster_5537     |           | 282 | 10 |
| SDS-V3-plasma-45_Cluster_9562     |           | 282 | 10 |
| SDS-V3-plasma-45_Cluster_36113    |           | 282 | 10 |
| SDS-V3-plasma-45_Cluster_5108     |           | 282 | 10 |
| SDS-V3-plasma-45_Cluster_48721    |           | 282 | 10 |
| SDS-V3-plasma-45_Cluster_1989     |           | 282 | 10 |
| SDS-V3-plasma-45_Cluster_10300    |           | 282 | 10 |
| SDS-V3-plasma-45_Cluster_12020    |           | 282 | 10 |
| SDS-V3-plasma-45_Cluster_12081    |           | 282 | 10 |
| SDS-V3-plasma-45_Cluster_10437    |           | 282 | 10 |
| SDS-V3-plasma-45_Cluster_150      |           | 282 | 10 |
| SDS-V3-plasma-45_Cluster_18387    |           | 282 | 10 |
| SDS-V3-plasma-45_Cluster_21188    |           | 282 | 10 |
| SDS-V3-plasma-45_Cluster_21521    |           | 282 | 10 |
| SDS-V3-plasma-45_Cluster_5755     |           | 282 | 10 |
| SDS-V3-plasma-45_Cluster_2600     |           | 282 | 10 |
| SDS-V3-plasma-45_Cluster_4519     |           | 282 | 10 |
| SDS-V3-plasma-45_Cluster_4869     |           | 282 | 10 |
| SDS-V3-plasma-45_Cluster_8658     |           | 282 | 10 |
| SDS-V3-plasma-45_Cluster_9507     |           | 282 | 10 |
| SDS-V3-plasma-45_Cluster_6057     |           | 282 | 10 |
| SDS-V3-plasma-45_Cluster_15608    |           | 282 | 10 |
| SDS-V3-plasma-45_Cluster_25559    |           | 282 | 10 |
| SDS-V3-plasma-45_Cluster_6812     |           | 282 | 10 |
| Cluster ID                        | Sequences | Length | Rank |
|----------------------------------|-----------|--------|------|
| SDS-V3-plasma-45_Cluster_31365_  | 10        | 282    | 10   |
| SDS-V3-plasma-45_Cluster_1165_   | 10        | 282    | 10   |
| SDS-V3-plasma-45_Cluster_7921_   | 10        | 282    | 10   |
| SDS-V3-plasma-45_Cluster_14729_  | 10        | 282    | 10   |
| SDS-V3-plasma-45_Cluster_13216_  | 10        | 282    | 10   |
| SDS-V3-plasma-45_Cluster_12866_  | 10        | 282    | 10   |
| SDS-V3-plasma-45_Cluster_842_    | 10        | 282    | 10   |
| SDS-V3-plasma-45_Cluster_8348_   | 10        | 282    | 10   |
| SDS-V3-plasma-45_Cluster_2708_   | 10        | 282    | 10   |
| SDS-V3-plasma-45_Cluster_31703_  | 10        | 282    | 10   |
| SDS-V3-plasma-45_Cluster_38383_  | 10        | 282    | 10   |
| SDS-V3-plasma-45_Cluster_28304_  | 10        | 282    | 10   |
| SDS-V3-plasma-45_Cluster_48012_  | 10        | 282    | 10   |
| SDS-V3-plasma-45_Cluster_19682_  | 10        | 282    | 10   |
| SDS-V3-plasma-45_Cluster_48542_  | 10        | 282    | 10   |
| SDS-V3-plasma-45_Cluster_8430_   | 10        | 282    | 10   |
| SDS-V3-plasma-45_Cluster_2350_   | 10        | 282    | 10   |
| SDS-V3-plasma-45_Cluster_15397_  | 10        | 282    | 10   |
| SDS-V3-plasma-45_Cluster_37626_  | 10        | 282    | 10   |
| SDS-V3-plasma-45_Cluster_17206_  | 10        | 282    | 10   |
| SDS-V3-plasma-45_Cluster_2806_   | 10        | 282    | 10   |
| SDS-V3-plasma-45_Cluster_8114_   | 10        | 282    | 10   |
| SDS-V3-plasma-45_Cluster_19303_  | 10        | 282    | 10   |
| SDS-V3-plasma-45_Cluster_16874_  | 10        | 282    | 10   |
| SDS-V3-plasma-45_Cluster_16799_  | 10        | 282    | 10   |
| SDS-V3-plasma-45_Cluster_15414_  | 10        | 282    | 10   |
| SDS-V3-plasma-45_Cluster_1581_   | 10        | 282    | 10   |
| SDS-V3-plasma-45_Cluster_19874_  | 10        | 282    | 10   |
| SDS-V3-plasma-45_Cluster_16607_  | 10        | 282    | 10   |
| SDS-V3-plasma-45_Cluster_30827_  | 10        | 282    | 10   |
| SDS-V3-plasma-45_Cluster_16308_  | 10        | 282    | 10   |
| SDS-V3-plasma-45_Cluster_12792_  | 10        | 282    | 10   |
| SDS-V3-plasma-45_Cluster_18170_  | 10        | 282    | 10   |
| SDS-V3-plasma-45_Cluster_2549_   | 10        | 282    | 10   |
| SDS-V3-plasma-45_Cluster_30343_  | 10        | 282    | 10   |
| SDS-V3-plasma-45_Cluster_1533_   | 10        | 282    | 10   |
| SDS-V3-plasma-45_Cluster_65822_  | 10        | 282    | 10   |
| SDS-V3-plasma-45_Cluster_3660_   | 10        | 282    | 10   |
| SDS-V3-plasma-45_Cluster_19108_  | 10        | 282    | 10   |
| SDS-V3-plasma-45_Cluster_17374_  | 10        | 282    | 10   |
| SDS-V3-plasma-45_Cluster_10901_  | 10        | 282    | 10   |
| SDS-V3-plasma-45_Cluster_7744_   | 10        | 282    | 10   |
| SDS-V3-plasma-45_Cluster_7612_   | 10        | 282    | 10   |
| SDS-V3-plasma-45_Cluster_3355_   | 10        | 282    | 10   |
| SDS-V3-plasma-45_Cluster_66700_  | 10        | 282    | 10   |
| Description                                           | Value1 | Value2 |
|-------------------------------------------------------|--------|--------|
| SDS-V3-plasma-45_Cluster_27009_sequences               | 10     |        |
| SDS-V3-plasma-45_Cluster_9276_sequences                | 10     |        |
| SDS-V3-plasma-45_Cluster_5219_sequences                | 10     |        |
| SDS-V3-plasma-45_Cluster_3891_sequences                | 10     |        |
| SDS-V3-plasma-45_Cluster_25534_sequences              | 10     |        |
| SDS-V3-plasma-45_Cluster_29961_sequences              | 10     |        |
| SDS-V3-plasma-45_Cluster_16323_sequences              | 10     |        |
| SDS-V3-plasma-45_Cluster_14960_sequences              | 10     |        |
| SDS-V3-plasma-45_Cluster_2195_sequences                | 10     |        |
| SDS-V3-plasma-45_Cluster_2273_sequences                | 10     |        |
| SDS-V3-plasma-45_Cluster_29065_sequences               | 10     |        |
| SDS-V3-plasma-45_Cluster_30976_sequences               | 10     |        |
| SDS-V3-plasma-45_Cluster_33648_sequences               | 10     |        |
| SDS-V3-plasma-45_Cluster_42109_sequences               | 10     |        |
| SDS-V3-plasma-45_Cluster_48673_sequences               | 10     |        |
| SDS-V3-plasma-45_Cluster_53512_sequences               | 10     |        |
| SDS-V3-plasma-45_Cluster_7496_sequences                | 10     |        |
| SDS-V3-plasma-45_Cluster_9404_sequences                | 10     |        |
| SDS-V3-plasma-45_Cluster_3827_sequences                | 10     |        |
| SDS-V3-plasma-45_Cluster_26542_sequences               | 10     |        |
| SDS-V3-plasma-45_Cluster_4309_sequences                | 10     |        |
| SDS-V3-plasma-45_Cluster_15864_sequences               | 10     |        |
| SDS-V3-plasma-45_Cluster_25514_sequences               | 10     |        |
| SDS-V3-plasma-45_Cluster_995_sequences                 | 10     |        |
| SDS-V3-plasma-45_Cluster_9974_sequences                | 10     |        |
| SDS-V3-plasma-45_Cluster_13534_sequences               | 10     |        |
| SDS-V3-plasma-45_Cluster_3778_sequences                | 10     |        |
| SDS-V3-plasma-45_Cluster_12625_sequences               | 10     |        |
| SDS-V3-plasma-45_Cluster_2366_sequences                | 10     |        |
| SDS-V3-plasma-45_Cluster_12183_sequences               | 10     |        |
| SDS-V3-plasma-45_Cluster_12692_sequences               | 10     |        |
| SDS-V3-plasma-45_Cluster_13940_sequences               | 10     |        |
| SDS-V3-plasma-45_Cluster_38710_sequences               | 10     |        |
| SDS-V3-plasma-45_Cluster_40393_sequences               | 10     |        |
| SDS-V3-plasma-45_Cluster_4841_sequences                | 10     |        |
| SDS-V3-plasma-45_Cluster_58919_sequences               | 10     |        |
| SDS-V3-plasma-45_Cluster_31012_sequences               | 10     |        |
| SDS-V3-plasma-45_Cluster_7636_sequences                | 10     |        |
| SDS-V3-plasma-45_Cluster_13644_sequences               | 10     |        |
| SDS-V3-plasma-45_Cluster_17038_sequences               | 10     |        |
| SDS-V3-plasma-45_Cluster_21707_sequences               | 10     |        |
| SDS-V3-plasma-45_Cluster_65241_sequences               | 10     |        |
| SDS-V3-plasma-45_Cluster_5009_sequences                | 10     |        |
| SDS-V3-plasma-45_Cluster_22491_sequences               | 10     |        |
| SDS-V3-plasma-45_Cluster_2312_sequences                | 10     |        |
| Cluster Name                        | Sequences | Length | Coverage |
|------------------------------------|-----------|--------|----------|
| SDS-V3-plasma-45_Cluster_2586     | 10        | 282    | 10       |
| SDS-V3-plasma-45_Cluster_4198     | 10        | 282    | 10       |
| SDS-V3-plasma-45_Cluster_4427     | 10        | 282    | 10       |
| SDS-V3-plasma-45_Cluster_69783    | 10        | 282    | 10       |
| SDS-V3-plasma-45_Cluster_7015     | 10        | 282    | 10       |
| SDS-V3-plasma-45_Cluster_7641     | 10        | 282    | 10       |
| SDS-V3-plasma-45_Cluster_5441     | 10        | 282    | 10       |
| SDS-V3-plasma-45_Cluster_9362     | 10        | 282    | 10       |
| SDS-V3-plasma-45_Cluster_4021     | 10        | 282    | 10       |
| SDS-V3-plasma-45_Cluster_10329    | 10        | 282    | 10       |
| SDS-V3-plasma-45_Cluster_10673    | 10        | 282    | 10       |
| SDS-V3-plasma-45_Cluster_16600    | 10        | 282    | 10       |
| SDS-V3-plasma-45_Cluster_1808     | 10        | 282    | 10       |
| SDS-V3-plasma-45_Cluster_34400    | 10        | 282    | 10       |
| SDS-V3-plasma-45_Cluster_3624     | 10        | 282    | 10       |
| SDS-V3-plasma-45_Cluster_5287     | 10        | 282    | 10       |
| SDS-V3-plasma-45_Cluster_5956     | 10        | 282    | 10       |
| SDS-V3-plasma-45_Cluster_9345     | 10        | 282    | 10       |
| SDS-V3-plasma-45_Cluster_1881     | 10        | 282    | 10       |
| SDS-V3-plasma-45_Cluster_28018    | 10        | 282    | 10       |
| SDS-V3-plasma-46_Cluster_10405    | 10        | 286    | 10       |
| SDS-V3-plasma-46_Cluster_209      | 10        | 286    | 10       |
| SDS-V3-plasma-46_Cluster_4529     | 10        | 286    | 10       |
| SDS-V3-plasma-46_Cluster_7249     | 10        | 286    | 10       |
| SDS-V3-plasma-46_Cluster_4937     | 10        | 286    | 10       |
| SDS-V3-plasma-46_Cluster_9487     | 10        | 286    | 10       |
| SDS-V3-plasma-46_Cluster_2437     | 10        | 286    | 10       |
| SDS-V3-plasma-46_Cluster_1496     | 10        | 286    | 10       |
| SDS-V3-plasma-46_Cluster_2246     | 10        | 286    | 10       |
| SDS-V3-plasma-46_Cluster_5870     | 10        | 286    | 10       |
| SDS-V3-plasma-46_Cluster_10916    | 10        | 286    | 10       |
| SDS-V3-plasma-46_Cluster_4404     | 10        | 286    | 10       |
| SDS-V3-plasma-46_Cluster_4104     | 10        | 286    | 10       |
| SDS-V3-plasma-46_Cluster_6251     | 10        | 286    | 10       |
| SDS-V3-plasma-46_Cluster_12020    | 10        | 286    | 10       |
| SDS-V3-plasma-46_Cluster_2415     | 10        | 286    | 10       |
| SDS-V3-plasma-46_Cluster_1587     | 10        | 286    | 10       |
| SDS-V3-plasma-46_Cluster_4526     | 10        | 286    | 10       |
| SDS-V3-plasma-46_Cluster_4510     | 10        | 286    | 10       |
| SDS-V3-plasma-46_Cluster_1466     | 10        | 286    | 10       |
| SDS-V3-plasma-46_Cluster_5756     | 10        | 286    | 10       |
| SDS-V3-plasma-46_Cluster_16500    | 10        | 286    | 10       |
| SDS-V3-plasma-46_Cluster_1775     | 10        | 286    | 10       |
| SDS-V3-plasma-46_Cluster_1937     | 10        | 286    | 10       |
| SDS-V3-plasma-46_Cluster_2740     | 10        | 286    | 10       |
| SDS-V3-plasma-46_Cluster_2851_sequences=10 | 286 | 10 |
| SDS-V3-plasma-46_Cluster_2990_sequences=10 | 286 | 10 |
| SDS-V3-plasma-46_Cluster_3618_sequences=10 | 286 | 10 |
| SDS-V3-plasma-46_Cluster_3842_sequences=10 | 286 | 10 |
| SDS-V3-plasma-46_Cluster_4714_sequences=10 | 286 | 10 |
| SDS-V3-plasma-46_Cluster_7354_sequences=10 | 286 | 10 |
| SDS-V3-plasma-46_Cluster_8733_sequences=10 | 286 | 10 |
| SDS-V3-plasma-46_Cluster_874_sequences=10 | 286 | 10 |
| SDS-V3-plasma-46_Cluster_100_sequences=10 | 286 | 10 |
| SDS-V3-plasma-46_Cluster_10401_sequences=10 | 286 | 10 |
| SDS-V3-plasma-46_Cluster_13674_sequences=10 | 286 | 10 |
| SDS-V3-plasma-46_Cluster_1608_sequences=10 | 286 | 10 |
| SDS-V3-plasma-46_Cluster_32_sequences=10 | 286 | 10 |
| SDS-V3-plasma-46_Cluster_3900_sequences=10 | 286 | 10 |
| SDS-V3-plasma-46_Cluster_3900_sequences=10 | 286 | 10 |
| SDS-V3-plasma-46_Cluster_5194_sequences=10 | 286 | 10 |
| SDS-V3-plasma-46_Cluster_7065_sequences=10 | 286 | 10 |
| SDS-V3-plasma-46_Cluster_4397_sequences=10 | 286 | 10 |
| SDS-V3-plasma-46_Cluster_4780_sequences=10 | 286 | 10 |
| SDS-V3-plasma-46_Cluster_14047_sequences=10 | 286 | 10 |
| SDS-V3-plasma-46_Cluster_5949_sequences=10 | 286 | 10 |
| SDS-V3-plasma-46_Cluster_587_sequences=10 | 286 | 10 |
| SDS-V3-plasma-46_Cluster_4262_sequences=10 | 286 | 10 |
| SDS-V3-plasma-46_Cluster_6564_sequences=10 | 286 | 10 |
| SDS-V3-plasma-46_Cluster_158_sequences=10 | 286 | 10 |
| SDS-V3-plasma-46_Cluster_2026_sequences=10 | 286 | 10 |
| SDS-V3-plasma-46_Cluster_2354_sequences=10 | 286 | 10 |
| SDS-V3-plasma-46_Cluster_2488_sequences=10 | 286 | 10 |
| SDS-V3-plasma-46_Cluster_3081_sequences=10 | 286 | 10 |
| SDS-V3-plasma-46_Cluster_344_sequences=10 | 286 | 10 |
| SDS-V3-plasma-46_Cluster_4881_sequences=10 | 286 | 10 |
| SDS-V3-plasma-46_Cluster_6698_sequences=10 | 286 | 10 |
| SDS-V3-plasma-46_Cluster_7059_sequences=10 | 286 | 10 |
| SDS-V3-plasma-46_Cluster_7363_sequences=10 | 286 | 10 |
| SDS-V3-plasma-46_Cluster_7478_sequences=10 | 286 | 10 |
| SDS-V3-plasma-46_Cluster_871_sequences=10 | 286 | 10 |
| SDS-V3-plasma-46_Cluster_1763_sequences=10 | 286 | 10 |
| Cluster Name                                      | Sequences | Length |
|--------------------------------------------------|-----------|--------|
| SDS-V3-plasma-46_Cluster_254                      | 10        | 286    |
| SDS-V3-plasma-46_Cluster_4524                    | 10        | 286    |
| SDS-V3-plasma-46_Cluster_4878                    | 10        | 286    |
| SDS-V3-plasma-46_Cluster_8915                    | 10        | 286    |
| SDS-V3-plasma-46_Cluster_3631                    | 10        | 286    |
| SDS-V3-plasma-46_Cluster_1768                    | 10        | 286    |
| SDS-V3-plasma-46_Cluster_14788                   | 10        | 286    |
| SDS-V3-plasma-46_Cluster_7275                    | 10        | 286    |
| SDS-V3-plasma-46_Cluster_1870                    | 10        | 286    |
| SDS-V3-plasma-46_Cluster_5945                    | 10        | 286    |
| SDS-V3-plasma-46_Cluster_1041                    | 10        | 286    |
| SDS-V3-plasma-46_Cluster_71                       | 10        | 286    |
| SDS-V3-plasma-46_Cluster_7209                    | 10        | 286    |
| SDS-V3-plasma-46_Cluster_3167                    | 10        | 286    |
| SDS-V3-plasma-46_Cluster_12390                   | 10        | 286    |
| SDS-V3-plasma-46_Cluster_3732                    | 10        | 286    |
| SDS-V3-plasma-46_Cluster_4360                    | 10        | 286    |
| SDS-V3-plasma-46_Cluster_4830                    | 10        | 286    |
| SDS-V3-plasma-46_Cluster_7093                    | 10        | 286    |
| SDS-V3-plasma-46_Cluster_4551                    | 10        | 286    |
| SDS-V3-plasma-46_Cluster_7623                    | 10        | 286    |
| SDS-V3-plasma-46_Cluster_8638                    | 10        | 286    |
| SDS-V3-plasma-46_Cluster_1078                    | 10        | 286    |
| SDS-V3-plasma-46_Cluster_13944                   | 10        | 286    |
| SDS-V3-plasma-46_Cluster_7825                    | 10        | 286    |
| SDS-V3-plasma-46_Cluster_10276                   | 10        | 286    |
| SDS-V3-plasma-46_Cluster_17791                   | 10        | 286    |
| SDS-V3-plasma-46_Cluster_19198                   | 10        | 286    |
| SDS-V3-plasma-46_Cluster_719                     | 10        | 286    |
| SDS-V3-plasma-46_Cluster_7313                    | 10        | 286    |
| SDS-V3-plasma-46_Cluster_2955                    | 10        | 286    |
| SDS-V3-plasma-46_Cluster_2343                    | 10        | 286    |
| SDS-V3-plasma-46_Cluster_2788                    | 10        | 286    |
| SDS-V3-plasma-46_Cluster_2924                    | 10        | 286    |
| SDS-V3-plasma-46_Cluster_14719                   | 10        | 286    |
| SDS-V3-plasma-46_Cluster_10325                   | 10        | 286    |
| SDS-V3-plasma-46_Cluster_11774                   | 10        | 286    |
| SDS-V3-plasma-46_Cluster_2779                    | 10        | 286    |
| SDS-V3-plasma-46_Cluster_8934                    | 10        | 286    |
| SDS-V3-plasma-46_Cluster_60                      | 10        | 286    |
| SDS-V3-plasma-67_Cluster_1356                    | 10        | 504    |
| SDS-V3-plasma-67_Cluster_3385                    | 10        | 504    |
| SDS-V3-plasma-67_Cluster_38736                   | 10        | 504    |
| SDS-V3-plasma-67_Cluster_13283                   | 10        | 504    |
| SDS-V3-plasma-67_Cluster_21140                   | 10        | 504    |
| SDS-V3-plasma-67_Cluster_22288_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_11822_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_7724_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_49341_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_27833_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_4761_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_67414_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_18253_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_18975_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_33379_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_51301_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_33379_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_8666_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_15939_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_7453_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_21170_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_2965_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_39227_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_7034_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_8072_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_12958_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_15656_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_3860_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_9195_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_12507_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_21488_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_18284_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_9830_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_34492_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_8496_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_19432_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_5107_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_21101_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_11062_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_20140_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_8671_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_25893_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_28944_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_42036_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_4692_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_15632_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_14809_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_15192_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_30318_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_19840_sequences=10 | 504 | 10 |
SDS-V3-plasma-67_Cluster_22847_sequences=10  504  10
SDS-V3-plasma-67_Cluster_29979_sequences=10  504  10
SDS-V3-plasma-67_Cluster_4105_sequences=10  504  10
SDS-V3-plasma-67_Cluster_5720_sequences=10  504  10
SDS-V3-plasma-67_Cluster_86078_sequences=10  504  10
SDS-V3-plasma-67_Cluster_8861_sequences=10  504  10
SDS-V3-plasma-67_Cluster_2633_sequences=10  504  10
SDS-V3-plasma-67_Cluster_31925_sequences=10  504  10
SDS-V3-plasma-67_Cluster_4839_sequences=10  504  10
SDS-V3-plasma-67_Cluster_9323_sequences=10  504  10
SDS-V3-plasma-67_Cluster_4751_sequences=10  504  10
SDS-V3-plasma-67_Cluster_39033_sequences=10  504  10
SDS-V3-plasma-67_Cluster_13045_sequences=10  504  10
SDS-V3-plasma-67_Cluster_9504_sequences=10  504  10
SDS-V3-plasma-67_Cluster_4321_sequences=10  504  10
SDS-V3-plasma-67_Cluster_7550_sequences=10  504  10
SDS-V3-plasma-67_Cluster_21044_sequences=10  504  10
SDS-V3-plasma-67_Cluster_4486_sequences=10  504  10
SDS-V3-plasma-67_Cluster_3112_sequences=10  504  10
SDS-V3-plasma-67_Cluster_31825_sequences=10  504  10
SDS-V3-plasma-67_Cluster_2864_sequences=10  504  10
SDS-V3-plasma-67_Cluster_29087_sequences=10  504  10
SDS-V3-plasma-67_Cluster_7762_sequences=10  504  10
SDS-V3-plasma-67_Cluster_28816_sequences=10  504  10
SDS-V3-plasma-67_Cluster_17138_sequences=10  504  10
SDS-V3-plasma-67_Cluster_25988_sequences=10  504  10
SDS-V3-plasma-67_Cluster_35454_sequences=10  504  10
SDS-V3-plasma-67_Cluster_8693_sequences=10  504  10
SDS-V3-plasma-67_Cluster_39536_sequences=10  504  10
SDS-V3-plasma-67_Cluster_32882_sequences=10  504  10
SDS-V3-plasma-67_Cluster_4068_sequences=10  504  10
SDS-V3-plasma-67_Cluster_6185_sequences=10  504  10
SDS-V3-plasma-67_Cluster_9698_sequences=10  504  10
| Cluster Name                                      | Sequences | Score |
|-------------------------------------------------|-----------|-------|
| SDS-V3-plasma-67_Cluster_22784                  | 10        | 504   |
| SDS-V3-plasma-67_Cluster_30969                  | 10        | 504   |
| SDS-V3-plasma-67_Cluster_5363                   | 10        | 504   |
| SDS-V3-plasma-67_Cluster_34623                  | 10        | 504   |
| SDS-V3-plasma-67_Cluster_55936                  | 10        | 504   |
| SDS-V3-plasma-67_Cluster_24489                  | 10        | 504   |
| SDS-V3-plasma-67_Cluster_28835                  | 10        | 504   |
| SDS-V3-plasma-67_Cluster_1939                   | 10        | 504   |
| SDS-V3-plasma-67_Cluster_871                    | 10        | 504   |
| SDS-V3-plasma-67_Cluster_64390                  | 10        | 504   |
| SDS-V3-plasma-67_Cluster_48109                  | 10        | 504   |
| SDS-V3-plasma-67_Cluster_7909                   | 10        | 504   |
| SDS-V3-plasma-67_Cluster_12637                  | 10        | 504   |
| SDS-V3-plasma-67_Cluster_14279                  | 10        | 504   |
| SDS-V3-plasma-67_Cluster_21980                  | 10        | 504   |
| SDS-V3-plasma-67_Cluster_4014                   | 10        | 504   |
| SDS-V3-plasma-67_Cluster_6491                   | 10        | 504   |
| SDS-V3-plasma-67_Cluster_44944                  | 10        | 504   |
| SDS-V3-plasma-67_Cluster_13996                  | 10        | 504   |
| SDS-V3-plasma-67_Cluster_10082                  | 10        | 504   |
| SDS-V3-plasma-67_Cluster_11621                  | 10        | 504   |
| SDS-V3-plasma-67_Cluster_17758                  | 10        | 504   |
| SDS-V3-plasma-67_Cluster_218                    | 10        | 504   |
| SDS-V3-plasma-67_Cluster_22894                  | 10        | 504   |
| SDS-V3-plasma-67_Cluster_282                    | 10        | 504   |
| SDS-V3-plasma-67_Cluster_30555                  | 10        | 504   |
| SDS-V3-plasma-67_Cluster_9729                   | 10        | 504   |
| SDS-V3-plasma-67_Cluster_7413                   | 10        | 504   |
| SDS-V3-plasma-67_Cluster_5036                   | 10        | 504   |
| SDS-V3-plasma-67_Cluster_13733                  | 10        | 504   |
| SDS-V3-plasma-67_Cluster_7466                   | 10        | 504   |
| SDS-V3-plasma-67_Cluster_15478                  | 10        | 504   |
| SDS-V3-plasma-67_Cluster_4037                   | 10        | 504   |
| SDS-V3-plasma-67_Cluster_42390                  | 10        | 504   |
| SDS-V3-plasma-67_Cluster_14427                  | 10        | 504   |
| SDS-V3-plasma-67_Cluster_22538                  | 10        | 504   |
| SDS-V3-plasma-67_Cluster_6229                   | 10        | 504   |
| SDS-V3-plasma-67_Cluster_10823                  | 10        | 504   |
| SDS-V3-plasma-67_Cluster_9335                   | 10        | 504   |
| SDS-V3-plasma-67_Cluster_13703                  | 10        | 504   |
| SDS-V3-plasma-67_Cluster_34223                  | 10        | 504   |
| SDS-V3-plasma-67_Cluster_49687                  | 10        | 504   |
| SDS-V3-plasma-67_Cluster_24362                  | 10        | 504   |
| SDS-V3-plasma-67_Cluster_12413                  | 10        | 504   |
SDS-V3-plasma-67_Cluster_3725_sequences=10 504 10
SDS-V3-plasma-67_Cluster_13718_sequences=10 504 10
SDS-V3-plasma-67_Cluster_56568_sequences=10 504 10
SDS-V3-plasma-67_Cluster_70573_sequences=10 504 10
SDS-V3-plasma-67_Cluster_3218_sequences=10 504 10
SDS-V3-plasma-67_Cluster_24803_sequences=10 504 10
SDS-V3-plasma-67_Cluster_11351_sequences=10 504 10
SDS-V3-plasma-67_Cluster_19367_sequences=10 504 10
SDS-V3-plasma-67_Cluster_26325_sequences=10 504 10
SDS-V3-plasma-67_Cluster_7366_sequences=10 504 10
SDS-V3-plasma-67_Cluster_7772_sequences=10 504 10
SDS-V3-plasma-67_Cluster_5026_sequences=10 504 10
SDS-V3-plasma-67_Cluster_18224_sequences=10 504 10
SDS-V3-plasma-67_Cluster_45165_sequences=10 504 10
SDS-V3-plasma-67_Cluster_5249_sequences=10 504 10
SDS-V3-plasma-67_Cluster_7444_sequences=10 504 10
SDS-V3-plasma-67_Cluster_80636_sequences=10 504 10
SDS-V3-plasma-67_Cluster_10713_sequences=10 504 10
SDS-V3-plasma-67_Cluster_27304_sequences=10 504 10
SDS-V3-plasma-67_Cluster_20614_sequences=10 504 10
SDS-V3-plasma-67_Cluster_24233_sequences=10 504 10
SDS-V3-plasma-67_Cluster_3922_sequences=10 504 10
SDS-V3-plasma-67_Cluster_70889_sequences=10 504 10
SDS-V3-plasma-67_Cluster_26839_sequences=10 504 10
SDS-V3-plasma-67_Cluster_11863_sequences=10 504 10
SDS-V3-plasma-67_Cluster_12944_sequences=10 504 10
SDS-V3-plasma-67_Cluster_13537_sequences=10 504 10
SDS-V3-plasma-67_Cluster_21236_sequences=10 504 10
SDS-V3-plasma-67_Cluster_28640_sequences=10 504 10
SDS-V3-plasma-67_Cluster_3872_sequences=10 504 10
SDS-V3-plasma-67_Cluster_59912_sequences=10 504 10
SDS-V3-plasma-67_Cluster_8190_sequences=10 504 10
SDS-V3-plasma-67_Cluster_43913_sequences=10 504 10
SDS-V3-plasma-67_Cluster_12025_sequences=10 504 10
SDS-V3-plasma-67_Cluster_14073_sequences=10 504 10
SDS-V3-plasma-67_Cluster_14817_sequences=10 504 10
SDS-V3-plasma-67_Cluster_22985_sequences=10 504 10
SDS-V3-plasma-67_Cluster_33455_sequences=10 504 10
SDS-V3-plasma-67_Cluster_35111_sequences=10 504 10
SDS-V3-plasma-67_Cluster_7408_sequences=10 504 10
SDS-V3-plasma-67_Cluster_8734_sequences=10 504 10
SDS-V3-plasma-67_Cluster_9602_sequences=10 504 10
SDS-V3-plasma-67_Cluster_10145_sequences=10 504 10
SDS-V3-plasma-67_Cluster_14532_sequences=10 504 10
SDS-V3-plasma-67_Cluster_1977_sequences=10 504 10
| SDS-V3-plasma-67_Cluster_40319_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_72282_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_23185_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_15991_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_8792_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_12749_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_25433_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_8305_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_49052_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_18839_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_37501_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_13925_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_20389_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_4885_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_28068_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_130626_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_34298_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_28851_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_7521_sequences=10 | 504 | 10 |
| SDS-V3-plasma-67_Cluster_4858_sequences=10 | 504 | 10 |
| SDS-V3-PBMC-45_Cluster_23576_sequences=9 | 282 | 9 |
| SDS-V3-PBMC-45_Cluster_23779_sequences=9 | 282 | 9 |
| SDS-V3-plasma-46_Cluster_ATAAACTTAT_sequences=8 | 286 | 8 |
| SDS-V3-plasma-67_Cluster_TAAGTATTG_sequences=7 | 504 | 7 |
| SDS-V3-plasma-46_Cluster_CGGTTTTAT_sequences=7 | 286 | 7 |
| SDS-V3-plasma-46_Cluster_TAATTGCGT_sequences=7 | 286 | 7 |
| SDS-V3-plasma-46_Cluster_TACAGGTCA_sequences=7 | 286 | 7 |
| SDS-V3-plasma-46_Cluster_TGCGACGAG_sequences=7 | 286 | 7 |
| SDS-V3-PBMC-45_Cluster_33596_sequences=6 | 282 | 6 |
| SDS-V3-PBMC-45_Cluster_34009_sequences=6 | 282 | 6 |
| SDS-V3-PBMC-45_Cluster_28267_sequences=6 | 282 | 6 |
| SDS-V3-plasma-46_Cluster_AGTGGGCTT_sequences=6 | 286 | 6 |
| SDS-V3-plasma-46_Cluster_GACGGTTTT_sequences=6 | 286 | 6 |
| SDS-V3-plasma-46_Cluster_TGAATTTAC_sequences=6 | 286 | 6 |
| SDS-V3-plasma-46_Cluster_ATAGGGCAG_sequences=5 | 0 | 5 |
| SDS-V3-plasma-0_Cluster_ATAGGGCCAG_sequences=5 | 0 | 5 |
| SDS-V3-plasma-0_Cluster_GCAGTCACA_sequences=5 | 0 | 5 |
| SDS-V3-plasma-0_Cluster.TAGCAGCGG_sequences=5 | 0 | 5 |
| SDS-V3-plasma-67_Cluster_TATAAATAC_sequences=5 | 504 | 5 |
| SDS-V3-plasma-67_Cluster_TGATTCCAT_sequences=5 | 504 | 5 |
| SDS-V3-plasma-46_Cluster_AGAAAAAAG_sequences=5 | 286 | 5 |
| SDS-V3-plasma-46_Cluster_CAATGCCTC_sequences=5 | 286 | 5 |
| SDS-V3-plasma-46_Cluster_GGTGCTCCA_sequences=5 | 286 | 5 |
| SDS-V3-plasma-46_Cluster_GTGGTTGAA_sequences=5 | 286 | 5 |
| SDS-V3-plasma-46_Cluster_TAGTTCCAT_sequences=5 | 286 | 5 |
| SDS-V3-plasma-46_Cluster_TCCTTTATC_sequences=5 | 286 | 5 |
| Sequence Description                               | Length | Quality |
|---------------------------------------------------|--------|---------|
| SDS-V3-plasma-46_Cluster_TTTAGTTAT_sequences=5    | 286    | 5       |
| SDS-V3-plasma-45_Cluster_CCGTGCTTT_sequences=5    | 282    | 5       |
### Patient JOR10

| haplotype                                           | number of reads | timepoint |
|-----------------------------------------------------|-----------------|-----------|
| JOR-V3-plasma-97_Cluster_8_sequences=8393           | 8393            | 622       |
| JOR-V3-plasma-97_Cluster_32_sequences=134           | 134             | 622       |
| JOR-V3-plasma-97_Cluster_20_sequences=117           | 117             | 622       |
| JOR-V3-plasma-97_Cluster_35_sequences=98            | 98              | 622       |
| JOR-V3-plasma-14_TCGTGGGTG_sequences=95             | 95              | 33        |
| JOR-V3-plasma-97_Cluster_96_sequences=66            | 66              | 622       |
| JOR-V3-plasma-97_Cluster_19_sequences=57            | 57              | 622       |
| JOR-V3-plasma-97_Cluster_21_sequences=39            | 39              | 622       |
| JOR-V3-plasma-97_Cluster_73_sequences=37            | 37              | 622       |
| JOR-V3-PBMC-14_Cluster_31_sequences=27              | 27              | 33        |
| JOR-V3-PBMC-14_Cluster_13706_sequences=26           | 26              | 33        |
| JOR-V3-plasma-97_Cluster_222_sequences=19           | 19              | 622       |
| JOR-V3-plasma-97_Cluster_36_sequences=19            | 19              | 622       |
| JOR-V3-plasma-97_Cluster_44_sequences=18            | 18              | 622       |
| JOR-V3-PBMC-14_Cluster_7758_sequences=17            | 17              | 33        |
| JOR-V3-plasma-97_Cluster_91_sequences=16            | 16              | 622       |
| JOR-V3-plasma-97_Cluster_175_sequences=15           | 15              | 622       |
| JOR-V3-PBMC-14_Cluster_598_sequences=13             | 13              | 33        |
| JOR-V3-plasma-97_Cluster_159_sequences=13           | 13              | 622       |
| JOR-V3-PBMC-14_Cluster_317_sequences=12             | 12              | 33        |
| JOR-V3-plasma-97_Cluster_42_sequences=12            | 12              | 622       |
| JOR-V3-plasma-97_Cluster_TGTGGCGCG_sequences=11      | 11              | 622       |
| JOR-V3-plasma-14_Cluster_TGCTGAGAT_sequences=11     | 11              | 33        |
| JOR-V3-plasma-97_Cluster_161_sequences=11           | 11              | 622       |
| JOR-V3-PBMC-14_Cluster_4941_sequences=10            | 10              | 33        |
| JOR-V3-plasma-97_Cluster_30_sequences=10            | 10              | 622       |
| JOR-V3-plasma-97_Cluster_234_sequences=10           | 10              | 622       |
| JOR-V3-plasma-97_Cluster_203_sequences=10           | 10              | 622       |
| JOR-V3-plasma-97_Cluster_261_sequences=10           | 10              | 622       |
| JOR-V3-plasma-97_Cluster_60_sequences=10            | 10              | 622       |
| JOR-V3-PBMC-14_Cluster_31532_sequences=9            | 9               | 33        |
| JOR-V3-plasma-14_Cluster_TCATTCTCT_sequences=8       | 8               | 33        |
| JOR-V3-PBMC-14_Cluster_2959_sequences=7             | 7               | 33        |
| JOR-V3-plasma-97_Cluster_GGGGTATG_sequences=7        | 7               | 622       |
| JOR-V3-plasma-97_Cluster_GGTGGGGGA_sequences=7       | 7               | 622       |
| JOR-V3-plasma-14_Cluster_AGAGCCCGG_sequences=7       | 7               | 33        |
| JOR-V3-plasma-14_Cluster_CCGGGGCAA_sequences=7       | 7               | 33        |
| JOR-V3-plasma-14_Cluster_GTCACGAGT_sequences=7       | 7               | 33        |
| JOR-V3-plasma-14_Cluster_TTTCGTTTT_sequences=7       | 7               | 33        |
| JOR-V3-plasma-97_Cluster_GCGTTGTGG_sequences=6       | 6               | 622       |
| JOR-V3-plasma-97_Cluster_AGGGTGTGT_sequences=5       | 5               | 622       |
| JOR-V3-plasma-97_Cluster_GCGTTGTGG_sequences=5       | 5               | 622       |
| JOR-V3-plasma-97_Cluster_GTGCCGTGGTT_sequences=5     | 5               | 622       |
| Sequence Description                                      | Count | Length |
|-----------------------------------------------------------|-------|--------|
| JOR-V3-plasma-14_Cluster_AAGGATTAA_sequences=5            | 5     | 33     |
| JOR-V3-plasma-14_Cluster_CACGTCGAG_sequences=5           | 5     | 33     |
| JOR-V3-plasma-14_Cluster_CTTTCCATT_sequences=5           | 5     | 33     |
| JOR-V3-plasma-14_Cluster_GAATCAGAA_sequences=5           | 5     | 33     |
| JOR-V3-PBMC-14_Cluster_32_sequences=5                    | 5     | 33     |
Table S4. Composition of haplotypes per timepoint and number of reads across patients. Excel file.

Table S5. Intra-patient genetic distance.

| Patient     | Distance | SE   |
|-------------|----------|------|
| VBP2        | 0.063    | 0.008|
| PCG3        | 0.046    | 0.007|
| SDS4        | 0.063    | 0.008|
| JOR10       | 0.095    | 0.011|
| VBP2-subB   | 0.050    | 0.008|
| JOR10-subB  | 0.062    | 0.009|

SE: Standard Error estimate

Table S6. Between virion (RNA) and provirus (DNA) sequences genetic distance.

| Patient     | Distance | SE   |
|-------------|----------|------|
| VBP2        | 0.16     | 0.02 |
| PCG3        | 0.045    | 0.009|
| SDS4        | 0.07     | 0.01 |
| JOR10       | 0.171    | 0.02 |
| VBP2-subB   | 0.068    | 0.011|
| JOR10-subB  | 0.081    | 0.014|