## Supplementary Table 4. Number and characteristics of the CN-LOHs identified by the three tools

| chr 1 | chr 2 | chr 3 | chr 4 | chr 5 | chr 6 | chr 7 | chr 8 | chr 9 | chr 10 | chr 11 | chr 12 | chr 13 | chr 14 | chr 15 | chr 16 | chr 17 | chr 18 | chr 19 | chr 20 | chr 21 | chr 22 | Total | Minimal Length (bp) | Minimal Length (bp) | Mean Length (bp) | Median Length (bp) |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------------|-------------------|------------------|-------------------|
| TCGA-67-AK3-01A | REFERENCE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 4,221,895 | 65,996,955 | 35,109,405 | 35,109,405 |
| FACETS | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 3 | 1,491,123 | 65,718,092 | 23,393,565 | 2,971,481 |
| NEXUS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 11 | 2,056,646 | 15,756,204 | 8,586,533 | 9,420,390 |
| SEQUENZA | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 0 | 2 | 2 | 0 | 0 | 1 | 22 | 505,344 | 137,587,418 | 29,475,257 | 14,225,795 |
| TCGA-95-A66-2675-01A | REFERENCE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | - | 82,755,303 | - | - |
| FACETS | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 24,977,299 | 82,773,882 | 53,873,471 | 53,873,471 |
| NEXUS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 4,866,925 | 20,439,669 | 13,683,961 | 15,671,510 |
| SEQUENZA | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 222,238 | 82,771,762 | 18,408,407 | 1,967,777 |
| TCGA-94-A64-4058-01A | REFERENCE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | - | 8,446,853 | - | - |
| FACETS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | - | 8,398,065 | - | - |
| NEXUS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | - | 10,445,531 | - | - |
| SEQUENZA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 52,471 | 8,973,610 | 5,147,664 | 416,712 |
| TCGA-88-A35-5005-01E | REFERENCE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 8,099,640 | 90,986,948 | 40,552,665 | 31,297,253 |
| FACETS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 4 | 5 | 6,248,912 | 131,642,256 | 54,909,924 | 11,787,568 |
| NEXUS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 3 | 2,610,614 | 71,438,573 | 26,082,715 | 4,198,956 |
| SEQUENZA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 11 | 399,090 | 86,995,177 | 14,935,404 | 3,972,794 |
| TCGA-88-A34-3888-01A | REFERENCE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 11,025,500 | 33,764,742 | 32,389,066 | 22,389,066 |
| FACETS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 10,114,644 | 38,178,375 | 24,146,510 | 24,146,510 |
| Nexus | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sequenza | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 718,136 | 17,452,632 | 17,452,632 |
| TCGA-AC-3894-01A | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Reference | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 7,322,581 | 148,815,523 | 93,560,768 | 43,678,897 |
| Facets | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 758,899 | 96,152,761 | 75,152,734 | 35,530,386 |
| Nexus | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 4 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 21 | 2,028,231 | 38,063,814 | 32,422,872 | 9,413,880 |
| Sequenza | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 580,934 | 31,662,627 | 16,121,781 | 16,121,781 |
| TCGA-CK-8736-01A | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Reference | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 47,942,005 | 136,408,365 | 78,652,761 | 51,947,112 |
| Facets | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 15,863,930 | 121,314,641 | 58,648,065 | 48,705,895 |
| Nexus | 0 | 0 | 2 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 3,729,588 | 48,993,759 | 14,616,653 | 11,875,517 |
| Sequenza | 0 | 0 | 2 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 15,898 | 77,352,994 | 21,463,820 | 17,682,685 |
| TCGA-CM-5562-01A | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Reference | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | - | 24,627,482 | - | - |
| Facets | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 17,151,345 | 110,238,348 | 51,354,062 | 14,810,298 |
| Nexus | 9 | 0 | 0 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 3 | 0 | 22 | 2,641,390 | 41,481,194 | 5,812,555 | 5,152,235 |
| Sequenza | 4 | 0 | 1 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 2 | 3 | 8 | 0 | 0 | 0 | 0 | 1 | 0 | 41 | 129,446 | 327,712,080 | 14,774,448 | 1,563,870 |
| TCGA-QG-85XN-01A | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Reference | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| Facets | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| Nexus | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| Sequenza | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 1,080,783 | - | - |
| TCGA-ATRR-9481A | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Reference | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 6 | 1,960,563 | 103,514,265 | 35,872,374 | 30,073,845 |
| FACETS | NEXUS | SEQUENZA |
|--------|-------|----------|
| 0      | 0     | 0        |
| 0      | 0     | 0        |
| 1      | 0     | 0        |
| 0      | 0     | 0        |
| 0      | 0     | 0        |
| 1      | 0     | 0        |
| 0      | 0     | 0        |
| 0      | 0     | 0        |
| 0      | 0     | 0        |
| 0      | 0     | 0        |
| 2      | 0     | 0        |
| 0      | 0     | 0        |
| 0      | 0     | 0        |
| 2      | 0     | 0        |
| 0      | 0     | 0        |
| 0      | 1     | 0        |
| 0      | 0     | 0        |
| 2      | 0     | 0        |
| 0      | 1     | 2        |
| 2      | 2     | 2        |
| 1      | 1     | 0        |
| 14     | 7,655 | 86,921,737 |
|        |       | 21,837,464 |
|        |       | 18,362,372 |

CN-LOH, copy-neutral loss of heterozygosity.