S2 Table. Summary information for each analysed sample group. The summary includes coverage group, average read count in millions of reads (M RPS), condition, coverage standard deviation, minimum, average and maximum read count and a number of samples (N).

| M RPS | Sample Group               | SD        | Min               | Average          | Max               | N  |
|-------|---------------------------|-----------|-------------------|------------------|-------------------|----|
| 20    | T21 (clinically validated)| 4,277,096 | 14,347,516        | 24,163,449       | 32,626,785        | 19 |
| 15    | T21 (clinically validated)| 3,148,835 | 10,937,064        | 18,083,151       | 24,334,564        | 19 |
| 10    | T21 (clinically validated)| 2,081,671 | 7,209,906         | 11,958,958       | 16,127,678        | 19 |
| 5     | T21 (clinically validated)| 1,048,024 | 3,670,427         | 6,023,952        | 8,173,000         | 19 |
| 2.5   | T21 (clinically validated)| 523,966   | 1,833,823         | 3,011,415        | 4,086,277         | 19 |
| 1.25  | T21 (clinically validated)| 262,260   | 915,450           | 1,505,824        | 2,042,374         | 19 |
| 20    | T18 (clinically validated)| 2,791,633 | 18,450,798        | 23,124,624       | 27,336,184        |  8 |
| 15    | T18 (clinically validated)| 2,071,817 | 14,024,066        | 17,350,621       | 20,485,890        |  8 |
| 10    | T18 (clinically validated)| 1,395,351 | 9,235,616         | 11,476,668       | 13,625,081        |  8 |
| 5     | T18 (clinically validated)| 697,871   | 4,685,815         | 5,794,650        | 6,891,991         |  8 |
| 2.5   | T18 (clinically validated)| 348,455   | 2,344,985         | 2,898,169        | 3,446,589         |  8 |
| 1.25  | T18 (clinically validated)| 174,390   | 1,172,245         | 1,449,377        | 1,722,745         |  8 |
| 20    | T13 (clinically validated)| 2,980,546 | 19,042,280        | 22,183,555       | 24,971,957        |  3 |
| 15    | T13 (clinically validated)| 2,257,362 | 14,500,538        | 16,725,422       | 19,013,917        |  3 |
| 10    | T13 (clinically validated)| 1,469,534 | 9,567,867         | 11,039,287       | 12,506,927        |  3 |
| 5     | T13 (clinically validated)| 742,824   | 4,870,521         | 5,591,835        | 6,354,446         |  3 |
| 2.5   | T13 (clinically validated)| 370,783   | 2,435,984         | 2,796,437        | 3,176,752         |  3 |
| 1.25  | T13 (clinically validated)| 184,533   | 1,219,133         | 1,398,883        | 1,587,854         |  3 |
| 20    | Validation Low Risk       | 3,594,972 | 13,643,477        | 23,747,773       | 32,396,033        |393 |
| 15    | Validation Low Risk       | 2,688,192 | 10,345,586        | 17,800,264       | 24,374,332        |393 |
| 10    | Validation Low Risk       | 1,791,357 | 6,839,734         | 11,799,169       | 16,181,461        |393 |
| 5     | Validation Low Risk       | 896,917   | 3,453,849         | 5,944,443        | 8,061,718         |393 |
| 2.5   | Validation Low Risk       | 448,456   | 1,726,568         | 2,972,178        | 4,028,665         |393 |
| 1.25  | Validation Low Risk       | 224,239   | 863,244           | 1,486,192        | 2,014,776         |393 |
| 20    | Reference                 | 6,032,848 | 11,534,450        | 23,506,647       | 55,026,706        |669 |
| 15    | Reference                 | 4,531,992 | 8,656,925         | 17,654,442       | 41,383,148        |669 |
| 10    | Reference                 | 3,013,960 | 5,736,648         | 11,695,518       | 27,432,704        |669 |
| 5     | Reference                 | 1,516,731 | 2,919,971         | 5,942,981        | 13,920,933        |669 |
| 2.5   | Reference                 | 758,325   | 1,458,860         | 2,971,523        | 6,957,681         |669 |
| 1.25  | Reference                 | 379,135   | 729,274           | 1,485,737        | 3,476,940         |669 |