

S3 Table. Sequencing statistics

| ID | Q20 (%) | Q30 (%) | ON_TARGET_READS (%) | RATIO_OF_MAPPED (%) | MEAN_DEPTH | MEAN_DEPTH_DEDUP |
|--------|---------|---------|---------------------|---------------------|------------|------------------|
| CC_006 | 97.56 | 93.96 | 75.8 | 99.97 | 1,134.28 | 605.5 |
| CC_007 | 94.55 | 87.42 | 69.63 | 99.92 | 947.99 | 666.74 |
| CC_008 | 93.58 | 89.89 | 72.28 | 99.16 | 790.67 | 369.76 |
| CC_010 | 95.83 | 90.19 | 75.54 | 99.9 | 941.61 | 525.99 |
| CC_012 | 97.03 | 92.86 | 69.46 | 99.92 | 977.37 | 601.66 |
| CC_013 | 94.16 | 86.4 | 61.04 | 99.96 | 800.47 | 506.12 |
| CC_014 | 95.94 | 90.37 | 74.2 | 99.95 | 1816.29 | 685.59 |
| CC_015 | 94.56 | 88.68 | 66.35 | 99.76 | 869.65 | 452.27 |
| CC_018 | 95.92 | 90.49 | 73.54 | 99.87 | 644.96 | 309.15 |
| CC_019 | 91.42 | 82.05 | 68.21 | 99.82 | 1583.1 | 698.88 |
| CC_020 | 94.97 | 88.79 | 74.33 | 99.86 | 335.87 | 225.12 |
| CC_022 | 93.53 | 85.85 | 64.2 | 99.85 | 1107.73 | 657.47 |
| CC_023 | 93.72 | 85.98 | 61.27 | 99.89 | 1263.27 | 764.98 |
| CC_024 | 94.01 | 86.45 | 63.21 | 99.92 | 821.95 | 492.76 |
| CC_025 | 93.7 | 86.38 | 51.94 | 99.91 | 530.7 | 382.87 |
| CC_027 | 95.48 | 89.59 | 61.86 | 99.94 | 2159.25 | 1504.7 |
| CC_028 | 92.47 | 84.1 | 53.27 | 99.86 | 615.74 | 414.87 |
| CC_030 | 95.06 | 88.66 | 69.12 | 99.89 | 837.19 | 524.68 |
| CC_033 | 95.06 | 88.8 | 73.88 | 99.71 | 549.69 | 299.19 |
| CC_034 | 93.66 | 86.2 | 66.97 | 99.75 | 800.18 | 431.61 |
| CC_036 | 95.69 | 90.22 | 59.95 | 99.94 | 971.5 | 647.02 |
| CC_037 | 95.27 | 88.93 | 60.9 | 99.92 | 753.86 | 450.54 |
| CC_039 | 94.9 | 87.99 | 59.47 | 99.97 | 984.8 | 603.46 |
| CC_044 | 89.65 | 79.41 | 71.07 | 99.67 | 1067.73 | 302.51 |
| CC_045 | 94.66 | 87.57 | 64.61 | 99.97 | 1550.81 | 946.3 |

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|--------|-------|-------|-------|-------|----------|----------|
| CC_047 | 94.14 | 86.63 | 59.11 | 99.96 | 1,090.95 | 709.69 |
| CC_048 | 98.53 | 96.23 | 78.16 | 99.78 | 1281 | 429.02 |
| CC_054 | 98.22 | 95.46 | 74.95 | 99.97 | 1,539.35 | 829.41 |
| CC_055 | 97.87 | 94.79 | 66.83 | 99.96 | 1,203.74 | 657.21 |
| CC_056 | 92.63 | 83.8 | 66.68 | 99.89 | 1,425.99 | 823.24 |
| CC_059 | 93.06 | 84.04 | 70.03 | 99.91 | 1230.8 | 525.53 |
| CC_060 | 87.7 | 74.73 | 64.41 | 99.66 | 801.01 | 375.9 |
| CC_061 | 92.31 | 82.98 | 65.97 | 99.77 | 627.48 | 380.41 |
| CC_064 | 96.97 | 92.78 | 75.01 | 99.96 | 454.09 | 239.52 |
| CC_066 | 91.97 | 81.75 | 72.33 | 99.9 | 1,630.65 | 831.13 |
| CC_067 | 97.69 | 94.39 | 63.11 | 99.98 | 1,670.98 | 928.95 |
| CC_069 | 93.22 | 84.89 | 73.21 | 99.88 | 673.48 | 316.9 |
| CC_070 | 93.89 | 85.86 | 73.58 | 99.86 | 742.37 | 380.64 |
| CC_071 | 93.98 | 86.05 | 74.38 | 99.9 | 732.25 | 324.55 |
| CC_072 | 98 | 95.11 | 74.37 | 99.95 | 931.44 | 479.4 |
| CC_076 | 92.81 | 83.87 | 64.13 | 99.91 | 2,057.22 | 1,098.98 |
| CC_077 | 97.69 | 94.33 | 63.33 | 99.98 | 1,199.25 | 708.75 |
| CC_079 | 91.98 | 82.65 | 63.76 | 99.86 | 956.88 | 549.04 |
| CC_081 | 94.1 | 87.17 | 77.41 | 99.77 | 794.3 | 355.99 |
| CC_083 | 91.17 | 81.98 | 62.21 | 99.4 | 322.81 | 190.95 |
| CC_084 | 95.89 | 90.66 | 70.24 | 99.95 | 367.13 | 207.22 |
| CC_085 | 97.99 | 94.97 | 68.77 | 99.97 | 2031.5 | 889.51 |
| CC_086 | 92.86 | 83.49 | 68.8 | 99.9 | 754.82 | 432.49 |
| CC_087 | 98.44 | 96.22 | 72.46 | 99.95 | 916.49 | 308.28 |
| CC_089 | 93.83 | 85.83 | 73.66 | 99.85 | 691.76 | 336.88 |
| CC_093 | 98.12 | 95.54 | 69.12 | 99.93 | 1,160.99 | 422.32 |
| CC_094 | 89.44 | 77.16 | 68.02 | 99.86 | 1,013.47 | 631.78 |
| CC_096 | 91.39 | 80.95 | 66.07 | 99.89 | 1,420.47 | 768.27 |

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|--------|-------|-------|-------|-------|----------|----------|
| CC_100 | 91.38 | 81.19 | 67.65 | 99.78 | 1,113.35 | 626.71 |
| CC_101 | 93.36 | 84.96 | 70.85 | 99.84 | 1,091.45 | 486.56 |
| CC_102 | 92.1 | 83.34 | 72.45 | 99.58 | 1,255.65 | 600.55 |
| CC_104 | 92.71 | 83.24 | 73.54 | 99.9 | 1,487.76 | 715.24 |
| CC_106 | 98.34 | 96.16 | 77.52 | 99.76 | 442.59 | 193.19 |
| CC_107 | 97.27 | 93.53 | 60.62 | 99.97 | 1,104.47 | 528.72 |
| CC_110 | 97.91 | 94.9 | 66.97 | 99.94 | 872.94 | 480.9 |
| CC_111 | 98.17 | 95.48 | 76.51 | 99.96 | 1283.9 | 554.05 |
| CC_112 | 97.99 | 95.09 | 63.21 | 99.97 | 1639.17 | 1,015.91 |