Table S1 Clean reads quality statistics

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| --- | --- | --- | --- | --- | --- | --- |
| Sample | Total Raw Reads (M) | Total Clean Reads (M) | Total Clean Bases (Gb) | Clean Reads Q20 (%) | Clean Reads Q30 (%) | Clean Reads Ratio(%) |
| T1\_1 | 73.71 | 68.27 | 10.24 | 98.47 | 94.62 | 92.61 |
| T1\_2 | 72.08 | 67.47 | 10.12 | 98.48 | 94.52 | 93.61 |
| T1\_3 | 76.72 | 71.38 | 10.71 | 98.38 | 94.38 | 93.05 |
| T2\_1 | 72.07 | 68.49 | 10.27 | 97.91 | 93.48 | 95.03 |
| T2\_2 | 72.07 | 68.57 | 10.29 | 98.01 | 93.75 | 95.14 |
| T2\_3 | 70.44 | 67.11 | 10.07 | 98.03 | 93.76 | 95.28 |
| T3\_1 | 72.07 | 68.49 | 10.27 | 97.97 | 93.63 | 95.03 |
| T3\_2 | 72.07 | 68.64 | 10.3 | 98.05 | 93.81 | 95.23 |
| T3\_3 | 72.07 | 68.39 | 10.26 | 97.99 | 93.66 | 94.89 |

Q20: the rate of bases which quality is greater than 20.