**Table S1.** Sample sequencing data quality control.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sample | Raw Reads | Clean Reads | Q30 | GC content | Sample | Raw Reads | Clean Reads | Q30 | GC content |
| Q\_H1 | 106595686 | 106267846 | 98.36 | 52.5 | S\_H1 | 29829057 | 29593065 | 96.33 | 48.5 |
| Q\_H2 | 96280211 | 95978690 | 98.38 | 48.5 | S\_H2 | 28291488 | 28078920 | 96.51 | 49.5 |
| Q\_H3 | 102752595 | 102406632 | 98.21 | 50.0 | S\_H3 | 26454721 | 26236700 | 96.23 | 50.0 |
| Q\_H4 | 96884491 | 96577622 | 98.38 | 51.5 | S\_H4 | 27856701 | 27621250 | 96.25 | 49.0 |
| Q\_H5 | 90337801 | 90057236 | 98.18 | 49.0 | S\_H5 | 26507574 | 26289725 | 96.30 | 49.0 |
| Q\_L1 | 97164931 | 96840251 | 98.29 | 53.5 | S\_L1 | 26298753 | 26083282 | 96.32 | 48.5 |
| Q\_L2 | 97655285 | 97192880 | 97.49 | 52.0 | S\_L2 | 26095774 | 25859356 | 96.38 | 49.0 |
| Q\_L3 | 107574531 | 107194301 | 98.36 | 53.5 | S\_L3 | 27804433 | 27575444 | 96.23 | 49.5 |
| Q\_L4 | 119971329 | 119583908 | 98.28 | 54.0 | S\_L4 | 28935372 | 28688038 | 96.31 | 49.0 |
| Q\_L5 | 107574531 | 107194301 | 98.36 | 53.5 | S\_L5 | 28702816 | 28481528 | 96.38 | 49.5 |