**Table S1. Quality control of the DNA-seq data**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Samples | Raw Base | Clean Base | Clean Base Percent | GC Content | >Q20 | >Q30 |
| B01 | 1.64G | 1.57G | 95.92% | 47.88% | 96.33% | 90.60% |
| B02 | 1.57G | 1.51G | 96.55% | 48.45% | 97.03% | 92.03% |
| B03 | 1.66G | 1.60G | 96.54% | 48.70% | 96.57% | 91.16% |
| B04 | 1.58G | 1.52G | 96.33% | 48.33% | 96.58% | 91.14% |
| B05 | 1.73G | 1.66G | 95.90% | 48.32% | 96.47% | 90.92% |
| B06 | 1.60G | 1.52G | 95.27% | 47.80% | 96.19% | 90.30% |
| B07 | 1.62G | 1.56G | 96.70% | 48.16% | 96.51% | 90.99% |
| B08 | 1.55G | 1.49G | 96.28% | 48.14% | 96.61% | 91.17% |
| B09 | 1.67G | 1.61G | 96.26% | 48.19% | 96.73% | 91.44% |
| B10 | 1.72G | 1.65G | 96.19% | 48.04% | 96.45% | 90.78% |
| B11 | 1.66G | 1.61G | 97.12% | 48.28% | 96.95% | 91.83% |
| B12 | 1.67G | 1.61G | 96.40% | 48.55% | 97.02% | 92.02% |
| B13 | 1.68G | 1.62G | 96.37% | 48.05% | 96.69% | 91.34% |
| B14 | 1.63G | 1.57G | 96.30% | 48.15% | 96.58% | 91.10% |
| B15 | 1.66G | 1.60G | 96.48% | 47.92% | 96.46% | 90.87% |
| B16 | 1.59G | 1.54G | 96.76% | 48.34% | 96.90% | 91.74% |
| B17 | 1.66G | 1.60G | 96.05% | 48.11% | 96.47% | 90.89% |
| B18 | 1.60G | 1.54G | 96.17% | 47.36% | 96.20% | 90.27% |
| B19 | 1.65G | 1.59G | 96.30% | 47.90% | 96.59% | 91.10% |
| B20 | 1.61G | 1.56G | 96.55% | 47.73% | 96.66% | 91.19% |
| B21 | 1.59G | 1.53G | 96.55% | 48.59% | 96.25% | 90.25% |
| B22 | 1.61G | 1.56G | 96.79% | 48.28% | 96.35% | 90.58% |
| B23 | 1.83G | 1.77G | 96.76% | 48.50% | 96.86% | 91.70% |
| B24 | 1.68G | 1.62G | 96.29% | 48.17% | 96.49% | 90.91% |
| B25 | 1.66G | 1.60G | 96.49% | 48.15% | 96.53% | 91.00% |
| B26 | 1.59G | 1.53G | 96.37% | 48.56% | 96.66% | 91.28% |
| B27 | 1.64G | 1.58G | 96.47% | 48.06% | 96.59% | 91.10% |
| B28 | 1.65G | 1.60G | 96.83% | 48.24% | 96.60% | 91.11% |
| B29 | 3.79G | 3.66G | 96.61% | 48.00% | 96.68% | 91.27% |
| B30 | 1.57G | 1.51G | 96.30% | 48.50% | 96.64% | 91.22% |
| B31 | 1.59G | 1.53G | 96.26% | 48.83% | 96.84% | 91.69% |
| B32 | 1.56G | 1.51G | 96.90% | 48.32% | 96.56% | 91.04% |
| B33 | 1.53G | 1.48G | 96.67% | 48.42% | 96.59% | 91.13% |
| B34 | 1.54G | 1.48G | 96.44% | 48.47% | 96.66% | 91.28% |
| B35 | 1.52G | 1.45G | 95.81% | 48.47% | 96.33% | 90.65% |
| B36 | 1.65G | 1.59G | 96.63% | 48.16% | 96.60% | 91.13% |
| B37 | 1.57G | 1.52G | 96.69% | 48.35% | 96.59% | 91.14% |
| B38 | 1.53G | 1.47G | 96.35% | 48.29% | 96.53% | 90.99% |
| B39 | 1.67G | 1.61G | 96.55% | 47.95% | 96.61% | 91.15% |
| B40 | 1.71G | 1.66G | 97.00% | 48.70% | 96.76% | 91.45% |
| B41 | 1.73G | 1.66G | 95.98% | 48.58% | 96.81% | 91.58% |
| B42 | 1.67G | 1.61G | 96.02% | 48.60% | 96.89% | 91.73% |
| B43 | 1.69G | 1.63G | 96.33% | 48.81% | 97.19% | 92.32% |
| B44 | 1.67G | 1.61G | 96.59% | 48.67% | 96.98% | 91.89% |
| B45 | 1.72G | 1.66G | 96.27% | 48.57% | 96.98% | 91.90% |
| B46 | 1.65G | 1.59G | 96.10% | 48.56% | 96.82% | 91.58% |
| B47 | 1.49G | 1.43G | 95.96% | 48.01% | 96.61% | 91.15% |
| B48 | 1.76G | 1.69G | 96.40% | 48.60% | 97.03% | 91.99% |
| B49 | 1.64G | 1.56G | 95.07% | 48.62% | 96.39% | 90.56% |
| B50 | 1.55G | 1.47G | 94.78% | 48.91% | 96.38% | 90.57% |
| B51 | 1.51G | 1.43G | 94.35% | 48.53% | 96.11% | 89.97% |
| B52 | 1.60G | 1.53G | 95.75% | 48.80% | 96.48% | 90.72% |
| B53 | 1.60G | 1.52G | 94.96% | 48.37% | 96.28% | 90.30% |
| B54 | 1.57G | 1.49G | 94.94% | 48.32% | 96.26% | 90.27% |
| B55 | 1.53G | 1.46G | 95.57% | 48.99% | 96.41% | 90.62% |
| B56 | 1.60G | 1.52G | 95.12% | 48.51% | 96.45% | 90.66% |
| B57 | 1.58G | 1.49G | 94.21% | 48.33% | 95.90% | 89.61% |
| B58 | 1.34G | 1.24G | 93.06% | 48.67% | 95.27% | 88.20% |
| B59 | 1.49G | 1.41G | 94.87% | 48.68% | 96.08% | 89.91% |
| B60 | 1.52G | 1.43G | 94.49% | 48.56% | 96.05% | 89.90% |
| B61 | 1.46G | 1.37G | 93.90% | 48.32% | 95.70% | 89.19% |
| B62 | 1.45G | 1.39G | 95.97% | 48.53% | 96.30% | 90.33% |
| B63 | 1.51G | 1.44G | 95.27% | 48.63% | 96.27% | 90.33% |
| B64 | 1.51G | 1.43G | 95.02% | 48.20% | 96.13% | 90.02% |
| B65 | 1.53G | 1.47G | 96.12% | 48.35% | 96.44% | 90.61% |
| B66 | 1.53G | 1.46G | 95.49% | 48.57% | 96.36% | 90.49% |
| B67 | 1.55G | 1.48G | 95.10% | 48.80% | 96.19% | 90.17% |
| B68 | 1.57G | 1.50G | 95.42% | 48.54% | 96.32% | 90.42% |
| B69 | 1.52G | 1.46G | 95.99% | 48.43% | 96.25% | 90.27% |
| B70 | 1.49G | 1.42G | 95.40% | 49.20% | 96.52% | 90.87% |
| B71 | 1.62G | 1.55G | 95.69% | 48.84% | 96.54% | 90.84% |
| B72 | 1.56G | 1.49G | 95.50% | 48.93% | 96.56% | 90.92% |
| B73 | 1.46G | 1.39G | 95.40% | 48.02% | 95.61% | 88.93% |
| B74 | 1.40G | 1.32G | 94.43% | 48.39% | 95.69% | 89.16% |
| B75 | 1.40G | 1.32G | 94.45% | 48.31% | 95.39% | 88.49% |
| B76 | 1.34G | 1.26G | 94.45% | 48.27% | 95.46% | 88.65% |
| B77 | 1.48G | 1.41G | 95.68% | 47.96% | 95.87% | 89.47% |
| B78 | 1.43G | 1.35G | 94.40% | 47.90% | 95.50% | 88.75% |
| B79 | 1.40G | 1.32G | 94.23% | 48.08% | 95.34% | 88.41% |
| B80 | 1.44G | 1.36G | 94.82% | 48.45% | 95.59% | 88.86% |
| B81 | 1.40G | 1.35G | 95.92% | 48.84% | 96.64% | 91.07% |
| B82 | 1.50G | 1.43G | 95.20% | 48.54% | 96.38% | 90.58% |
| B83 | 1.45G | 1.39G | 95.52% | 48.66% | 96.52% | 90.82% |
| B84 | 1.47G | 1.41G | 95.59% | 48.84% | 96.45% | 90.68% |
| B85 | 1.47G | 1.41G | 95.94% | 48.74% | 96.39% | 90.60% |
| B86 | 1.48G | 1.42G | 95.35% | 48.71% | 96.54% | 90.88% |
| B87 | 1.45G | 1.38G | 94.88% | 48.89% | 96.38% | 90.60% |
| B88 | 1.45G | 1.38G | 95.65% | 48.57% | 96.24% | 90.25% |
| B89 | 1.50G | 1.41G | 93.89% | 47.38% | 95.29% | 88.38% |
| B90 | 1.42G | 1.35G | 94.86% | 47.07% | 95.57% | 88.90% |
| B91 | 1.42G | 1.34G | 94.46% | 47.78% | 95.41% | 88.57% |
| B92 | 1.47G | 1.40G | 95.23% | 48.10% | 96.01% | 89.86% |
| B93 | 1.57G | 1.49G | 94.83% | 47.73% | 95.81% | 89.46% |
| B94 | 1.48G | 1.40G | 94.37% | 47.75% | 95.49% | 88.83% |
| B95 | 1.41G | 1.32G | 94.08% | 47.07% | 95.36% | 88.55% |
| B96 | 1.53G | 1.45G | 94.28% | 47.46% | 95.24% | 88.23% |
| B97 | 1.36G | 1.29G | 94.74% | 48.01% | 95.82% | 89.48% |
| B98 | 1.40G | 1.33G | 95.06% | 47.84% | 95.84% | 89.49% |
| B99 | 1.39G | 1.32G | 94.77% | 48.04% | 95.93% | 89.70% |
| B100 | 1.35G | 1.28G | 94.66% | 48.07% | 95.74% | 89.29% |
| B101 | 1.36G | 1.29G | 94.93% | 48.23% | 95.94% | 89.72% |
| B102 | 1.30G | 1.24G | 94.96% | 47.66% | 95.71% | 89.25% |
| B103 | 1.42G | 1.35G | 95.06% | 47.67% | 95.92% | 89.64% |
| B104 | 1.39G | 1.32G | 95.05% | 48.02% | 95.82% | 89.48% |
| B105 | 1.45G | 1.38G | 94.65% | 47.53% | 95.62% | 89.06% |
| B106 | 1.45G | 1.38G | 95.25% | 48.04% | 96.01% | 89.84% |
| B107 | 1.47G | 1.39G | 94.51% | 48.27% | 95.60% | 88.96% |
| B108 | 1.50G | 1.42G | 95.13% | 48.07% | 96.04% | 89.89% |
| B109 | 1.39G | 1.32G | 95.08% | 47.84% | 96.03% | 89.87% |
| B110 | 1.40G | 1.33G | 95.35% | 47.99% | 95.84% | 89.51% |
| B111 | 1.51G | 1.44G | 94.85% | 47.91% | 95.78% | 89.42% |
| B112 | 1.41G | 1.34G | 95.43% | 48.23% | 95.86% | 89.57% |