**Table S3. Sequencing statistics**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sample** | **Clean\_tags** | **Valid\_tags** | **Valid\_percent** | **PD\_whole\_tree** | **Goods\_coverage** | **Observed\_species** |
| Bulk\_CK | 37595  | 29712  | 79.0% | 75.35 | 0.91 | 2004 |
| Bulk\_VMC | 30645  | 24465  | 79.8% | 66.01 | 0.93 | 1695 |
| Bulk\_MC | 36062  | 28703  | 79.6% | 64.21 | 0.93 | 1625 |
| Bulk\_SC | 32985  | 25989  | 78.7% | 79.75 | 0.91 | 2130 |
| Rhizosphere\_CK | 32522  | 25402  | 78.0% | 77.90 | 0.91 | 2153 |
| Rhizosphere\_VMC | 42031  | 33437  | 79.4% | 69.50 | 0.92 | 1863 |
| Rhizosphere\_MC | 47811  | 38260  | 80.0% | 72.34 | 0.91 | 1924 |
| Rhizosphere\_SC | 38945  | 30150  | 77.3% | 66.52 | 0.92 | 1835 |