**Table S1.** Soil sample sequencing information.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Sample**  **Name** | **Raw Reads** | **Clean**  **Reads** | **Raw Tags** | **Clean**  **Tags** | **Chimera** | **Effective**  **Tags** | **Effective**  **Ratio (%)** |
| NS0-1 | 128447 | 128342 | 127164 | 126699 | 13463 | 113236 | 88.16 |
| NS0-2 | 125857 | 125775 | 124797 | 124421 | 13617 | 110804 | 88.04 |
| NS0-3 | 126092 | 125985 | 124747 | 124227 | 13098 | 111129 | 88.13 |
| NS0-4 | 135015 | 134890 | 133745 | 133271 | 14134 | 119137 | 88.24 |
| NS0-5 | 124946 | 124844 | 123812 | 123427 | 13037 | 110390 | 88.35 |
| NS0-6 | 123819 | 123711 | 122784 | 122420 | 12851 | 109569 | 88.49 |
| NS10-1 | 132074 | 131958 | 130137 | 129682 | 11077 | 118605 | 89.8 |
| NS10-2 | 122238 | 122133 | 120505 | 120153 | 11033 | 109120 | 89.27 |
| NS10-3 | 122412 | 122296 | 120850 | 120342 | 12089 | 108253 | 88.43 |
| NS10-4 | 92320 | 92263 | 91131 | 90910 | 9247 | 81663 | 88.46 |
| NS10-5 | 122876 | 122763 | 121335 | 120996 | 10989 | 110007 | 89.53 |
| NS10-6 | 134331 | 134224 | 132961 | 132523 | 9221 | 123302 | 91.79 |
| NS20-1 | 132183 | 132081 | 130106 | 129694 | 11192 | 118502 | 89.65 |
| NS20-2 | 137224 | 137105 | 135348 | 134912 | 12187 | 122725 | 89.43 |
| NS20-3 | 136784 | 136696 | 135180 | 134672 | 11339 | 123333 | 90.17 |
| NS20-4 | 132933 | 132809 | 130930 | 130408 | 9798 | 120610 | 90.73 |
| NS20-5 | 123155 | 123037 | 121477 | 121106 | 9745 | 111361 | 90.42 |
| NS20-6 | 135961 | 135849 | 134591 | 134060 | 11990 | 122070 | 89.78 |
| GS0-1 | 136798 | 136693 | 135639 | 135247 | 14030 | 121217 | 88.61 |
| GS0-2 | 129694 | 129569 | 128346 | 127931 | 14057 | 113874 | 87.8 |
| GS0-3 | 130982 | 130858 | 129797 | 129359 | 13649 | 115710 | 88.34 |
| GS0-4 | 135388 | 135274 | 134101 | 133605 | 13672 | 119933 | 88.58 |
| GS0-5 | 124530 | 124446 | 123540 | 123186 | 12608 | 110578 | 88.8 |
| GS0-6 | 130671 | 130568 | 129388 | 128954 | 12485 | 116469 | 89.13 |
| GS10-1 | 128852 | 128759 | 127541 | 127202 | 12033 | 115169 | 89.38 |
| GS10-2 | 121215 | 121119 | 119953 | 119592 | 12228 | 107364 | 88.57 |
| GS10-3 | 136442 | 136328 | 134712 | 134280 | 11988 | 122292 | 89.63 |
| GS10-4 | 127214 | 127106 | 126016 | 125628 | 12313 | 113315 | 89.07 |
| GS10-5 | 127602 | 127496 | 126149 | 125707 | 10105 | 115602 | 90.6 |
| GS10-6 | 137256 | 137149 | 135849 | 135442 | 12353 | 123089 | 89.68 |
| GS20-1 | 129086 | 128959 | 127489 | 127135 | 12056 | 115079 | 89.15 |
| GS20-2 | 126642 | 126537 | 125112 | 124678 | 8871 | 115807 | 91.44 |
| GS20-3 | 135205 | 135093 | 133379 | 132892 | 10540 | 122352 | 90.49 |
| GS20-4 | 123837 | 123726 | 121886 | 121524 | 10711 | 110813 | 89.48 |
| GS20-5 | 135590 | 135450 | 133476 | 133107 | 5606 | 127501 | 94.03 |
| GS20-6 | 131645 | 131523 | 129859 | 129288 | 9751 | 119537 | 90.8 |