**S4 Table. Summary of short read alignment for each sample.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **#Aligned** | **notAligned** | **Total** | **Sample** | **Condition** | **Comments** |
| 40621982 | 33275742 | 73897724 | Mated\_1 | **Mated** | **Control** |
| 41131650 | 36355546 | 77487196 | Mated\_2 |  |  |
| 3297450 | 101317336 | 104614786 | FILate\_1 | **FILate** | **Group 2** |
| 3195010 | 92134174 | 95329184 | FILate\_2 |  |  |
| 1788336 | 163026580 | 164814916 | FI\_10\_1 | **FI\_10** |  |
| 727668 | 133541794 | 134269462 | FI\_8\_1 | **FI\_8** |  |
| 1342140 | 146773300 | 148115440 | FI\_9\_1 | **FI\_9** |  |
| 154798 | 105189786 | 105344584 | FI\_FS\_1 | **FI\_FS** |  |
| 269766 | 220063574 | 220333340 | FI\_FS\_2 |  |  |
| 3287036 | 17067412 | 20354448 | MILate\_1 | **MILate** | **Group 1** |
| 2728 | 40156 | 42884 | MILate\_2 |  | **MI\_8\_2 resequenced; MILate\_2 and MILate\_3 have too few reads, so are not considered for differential analysis.** |
| 3174 | 4772 | 7946 | MILate\_3 |  |
| 27096698 | 130232314 | 157329012 | MILate\_4 |  |
| 14045118 | 129839436 | 143884554 | MILate\_5 |  |
| 3295936 | 78868662 | 82164598 | MI\_10\_1 | **MI\_10** |
| 1454148 | 75929160 | 77383308 | MI\_10\_2 |  |
| 1515280 | 197476518 | 198991798 | MI\_8\_1 | **MI\_8** |
| 1547360 | 194306130 | 195853490 | MI\_8\_2 |  |
| 1156310 | 71078722 | 72235032 | MI\_9\_1 | **MI\_9** |
| 1191216 | 74413530 | 75604746 | MI\_9\_2 |  |
| 126134 | 69791962 | 69918096 | MI\_FS\_1 | **MI\_FS** |
| 1708442 | 168083730 | 169792172 | MI\_FS\_2 |  |
| 960882 | 152314994 | 153275876 | MI\_FS\_3 |  |
| 1458 | 182272890 | 182274348 | FU\_10\_1 | **FU\_10** | **Group 6** |
| 31742 | 151436580 | 151468322 | FU\_10\_2 |  | **FU\_10\_1 resequenced** |
| 24292 | 147570490 | 147594782 | FU\_9\_1 | **FU\_9** |
| 26778 | 167272886 | 167299664 | MU\_8\_1 | **MU\_8** | **Group 5** |
| 43236 | 163948496 | 163991732 | MU\_9\_1 | **MU\_9** |  |
| 23338 | 145030596 | 145053934 | MU\_9\_2 |  |  |
| 25880 | 153425382 | 153451262 | MU\_FS\_1 | **MU\_FS** |  |
| 30168 | 150955128 | 150985296 | MU\_FS\_2 |  |  |
| 84562052 | 158515528 | 243077580 | Pmated12\_1 | **Pmated12** | **Group 4** |
| 96416772 | 53390238 | 149807010 | Pmated12\_2 |  |  |
| 94263206 | 72474252 | 166737458 | Pmated12\_3 |  |  |
| 90325072 | 60837114 | 151162186 | Pmated12\_4 |  |  |
| 105389760 | 56089666 | 161479426 | Pmated24\_1 | **Pmated24** |  |
| 93571252 | 62652670 | 156223922 | Pmated24\_2 |  |  |
| 101636554 | 62992850 | 164629404 | Pmated24\_3 |  |  |
| 48205838 | 86564702 | 134770540 | Pmated48\_1 | **Pmated48** |  |
| 97584258 | 55742436 | 153326694 | Pmated48\_2 |  |  |
| 33033712 | 32475920 | 65509632 | p1A1\_Rich\_1 | **p1A1\_Rich** | **Group 3** |
| 48403986 | 34053456 | 82457442 | p1A1\_Rich\_2 |  |  |
| 32620978 | 41601730 | 74222708 | p1A1\_Water\_1 | **p1A1\_Water** |
| 30398154 | 38395200 | 68793354 | p1A1\_Water\_2 |  |
| 46446076 | 31180474 | 77626550 | p1A2\_Rich\_1 | **p1A2\_Rich** |
| 47043664 | 27131526 | 74175190 | p1A2\_Rich\_2 |  |
| 35043900 | 34483412 | 69527312 | p1A2\_Water\_1 | **p1A2\_Water** |
| 35620784 | 39034036 | 74654820 | p1A2\_Water\_2 |  |
|  |  | **Total reads: 5871345160** | |  |  |
|  |  | **Reads for trinity: 3651728182 (in grey)** | |  |  |