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**Figure S1** Insert fragment distribution statistics of FTD, FWT, PTD and PWT.



**Figure S2** SNP comment results of FTD, FWT, PTD and PWT.



**Figure S3** Small InDel detection comment results of FTD, FWT, PTD and PWT.

**Table S1** Primers used in this study

|  |  |
| --- | --- |
| Primers | Sequences(5'to3') |
| 18S-F | CAACCATAAACGATGCCGA |
| 18S-R | AGCCTTGCGACCATACTCC |
| Cla97C06G126670-F | CGCATAGGATTGAGTGATTACC |
| Cla97C06G126670-R | GTTGGACGGATTCTGAAGATTC |
| Cla97C06G127120-F | ACGGTGTTGGTGCTATTG |
| Cla97C06G127120-R | TACATCGGCGGTGATCTT |
| Cla97C06G127130-F | ATGTGTTCTTCTGGCTGTTA |
| Cla97C06G127130-R | ATTCCATAGCACGAGCAATA |
| Cla97C06G127140-F | TCCACGCAACTATTCCTC |
| Cla97C06G127140-R | CCACGGACTGATTCTGAA |
| Cla97C06G127150-F | GTGCTCAGAACCTTCAGAA |
| Cla97C06G127150-R | ATGGCAGGCAACATACAA |
| Cla97C06G127470-F | AGTTACCCGAATCTACCTGTC |
| Cla97C06G127470-R | ATTGGAACATTGAGCACTGTC |