**Supplementary Table S7.** The SNPs analysis by the RNA-Seq for *ALS* gene (c38811\_g1) in different samples.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Position** | **Reference a** | **Alter b** | **Samples/reads c** | | | | | |
| **629** | **C** | **T** | **CK1004\_1** | **CK1004\_2** | **CK1004\_3** | **CK1148\_1** | **CK1148\_2** | **CK1148\_3** |
| **247,1** | **248,0** | **247,2** | **2,247** | **3,244** | **3,247** |
| **M1004\_1** | **M1004\_2** | **M1004\_3** | **M1148\_1** | **M1148\_2** | **M1148\_3** |
| **248,1** | **250,0** | **248,0** | **2,246** | **0,249** | **2,248** |
| **F1004\_1** | **F1004\_2** | **F1004\_3** | **F1148\_1** | **F1148\_2** | **F1148\_3** |
| **250,0** | **250,0** | **248,1** | **4,246** | **2,245** | **2,247** |
| **820** | **G** | **A** | **CK1004\_1** | **CK1004\_2** | **CK1004\_3** | **CK1148\_1** | **CK1148\_2** | **CK1148\_3** |
| **2,179** | **1,215** | **0,250** | **249,0** | **211,0** | **241,0** |
| **M1004\_1** | **M1004\_2** | **M1004\_3** | **M1148\_1** | **M1148\_2** | **M1148\_3** |
| **0,249** | **2,212** | **1,248** | **250,0** | **246,1** | **249,0** |
| **F1004\_1** | **F1004\_2** | **F1004\_3** | **F1148\_1** | **F1148\_2** | **F1148\_3** |
| **0,250** | **0,247** | **1,248** | **247,2** | **250,0** | **250,0** |

**Note:** a“Reference” means nucleobase at this position for the *ALS* gene in the reference species; b “Alter” means the nucleobase at this position for the *ALS* gene in the detected samples in *B. syzigachne*; c the reads numbers were listed under the sample numbers, and the first number means the reads number of the *ALS* unigene which same to the reference species, the second number means the reads number of *ALS* unigene which was changed.