**Supplementary Table 1. Similarity percentage of protein sequences between MeSLAH4 and Rice SLAC/SLAH.**

|  |  |
| --- | --- |
| Gene ID | Protein sequence similarity percentage |
| Os05t0269200 | 49.40% |
| Os01t0247700 | 42.25% |
| Os01t0385400  | 28.94% |
| Os05t0219900  | 28.94% |
| Os04t0574700  | 24.57% |
| Os07t0181100  | 23.49% |
| Os01t0226600  | 22.70% |
| Os01t0623200  | 21.56% |
| Os05t0584900  | 9.28% |

**Supplementary Table 2. Primers used in this study.**

|  |  |
| --- | --- |
| Primer | Primer sequence (5′-3′) |
| Primers used for vector construction |
| MeSLAH4-F | ggagaggacagggtacccgggATGTTAACGAGATTTCATGCAGGT  |
| MeSLAH4-R | cttgctcaccatggtactagtTTCTCTAATTGTTGGTGTTACAGTTGG |
| Primers used for qRT-PCR |
| MeSLAH4-F | CTCCAATCAGCACCTTTCA |
| MeSLAH4-R | GGTTTCCTATCACCGATAACT |
| Rice Actin-F | CAACACCCCTGCTATGTACG |
| Rice Actin-R | CATCACCAGAGTCCAACACAA |
| MeActin-F | GGCTCCTCTCAATCCTAAGG |
| MeActin-R | GTGTGGAAGAGCATACCCT |