

Table S1. Primers used in this study.

| Primer name | Sequence (5' - 3') ¹ |
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| <i>Plasmid construction</i> | |
| PxCDAsi-F | <u>AAAAAGCAGGCTCT</u> CGGCCCAAGTATTGGAAGCTGTGCTG |
| PxCDAsi-R | <u>AGAAAGCTGGGTGCTGTTACTGCCCTGTAGCCCGAAGAC</u> |
| CERK1si-F | <u>AAAAAGCAGGCTCT</u> GGGAGGGTGCCAATTTGTCTTTTCG |
| CERK1si-R | <u>AGAAAGCTGGGTGT</u> GGCACCTACTACAAGGAGAAACC |
| attB1 | GGGGACAAGTTTGTACAAAAAAGCAGGCT |
| attB2 | GGGGACCACTTTGTACAAGAAAGCTGGGT |
| <i>Expression analysis of HIGS constructs and target genes</i> | |
| CDA-HIGS-F | CGGCCCAAGTATTGGAAGCTGTGCTG |
| CDA-HIGS-R | CTGTTACTGCCCTGTAGCCCGAAGAC |
| CERK1-HIGS-F | GGGAGGGTGCCAATTTGTCTTTTCG |
| CERK1-HIGS-R | GGCACCTACTACAAGGAGAAACC |
| ACT7-F | TCATGGTGGGTATGGGCCAGAAAG |
| ACT7-R | TACAGTGATAGAACGGCCTGGATG |
| CDA1-F | ATGCAGATGTTAAATTTGGCACGTACGG |
| CDA1-R | TGTATAAGAGATGACCACTGAC |
| CDA2-F | ATGCAGATGTTAAATTTGGCACGTACGG |
| CDA2-R | TGTCCACTGGTATTTGTAGTGTC |
| TUB2-F | GATTTAGAGCCCGGAACAATGGACG |
| TUB2-R | CACATCCTTCAGCTTCACGCCGAAC |
| CERK1-F | TGGTCAAGGTGATGGTGGTATAGC |
| CERK1-R | TCGACCTGTGCCTCGTAAATGTTG |

¹Underlined sequence is the adapter for attB1 or attB2 primers