**Supplementary**Fig. S1副本 **Figure 1** Theanine-mediated salt stress tolerance in *Arabidopsis*. **(A)** Phenotypes of wild-type *Arabidopsis* grown on MS medium containing 125 mM NaCl (NaCl), 125 mM NaCl and 1 mM theanine (NaCl + Thea), 1 mM theanine (Thea), and 0 mM NaCl and 0 mM theanine (Con). **(B-C)** Primary root length and total chlorophyll contents in leaves of the seedlings grown under the Con, NaCl, NaCl + Thea and Thea conditions. Scale bar = 1 cm. Data are means ± SE of three biological replicates. Bars with different letters denote significant difference at *P* <0.05 according to Duncan’s multiple range test.

**Supplementary Table 1** The sequences of primers used for qRT-PCR.

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| Primer name | Gene ID | Sequences (5’→3’) |
| *CsGAPDH-F* | *TEA025584* | TTGGCATCGTTGAGGGTCT |
| *CsGAPDH-R* | CAGTGGGAACACGGAAAGC |
| *CsTSI-F* | *TEA015198* | GTTGATGTTTCTGGGCAGCA |
| *CsTSI-R* | CTCACCCACACCAGTCAGAT |
| *CsGSII-1.1-F* | *TEA015580* | GTGGAGAGCCAATCCCAACA |
| *CsGSII-1.1-R* | ACCAATCGGCCACTTCACTT |
| *CsGSII-1.2-F* | *TEA032123* | AGGAAAGCACGAAACAGCTG |
| *CsGSII-1.2-R* | TGGAAGTGACAACGTACGGA |
| *CsGSII-1.3-F* | *TEA032217* | ATGAATTGTGGGTGGCTCGT |
| *CsGSII-1.3-R* | AACCCCCATCACTCCTCGTA |
| *CsGSII-2-F* | *TEA028194* | GTCGCTAATCGCGGTTGTTC |
| *CsGSII-2-R* | AGCCAATAAGGCCGTCACAA |
| *CsGOGAT-1-F* | *TEA003892* | TGCCAAGGGCAAGAAGGTAG |
| *CsGOGAT-1-R* | TCCACACGGAATATGCGAGG |
| *CsGOGAT-2-F* | *TEA026779* | GGGGGCCTTATGATGTACGG |
| *CsGOGAT-2-R* | TCCCGTCCAGGTACAGGTAG |
| *CsAlaDC-F* | *TEA005658* | CACTGTGATGGGGCTCTGTT |
| *CsAlaDC-R* | TGTTATCTGGACACCGCACG |
| *CsRD22-F* | *TEA005584* | GCGGCTACTTTCTTACCTCGCCA |
| *CsRD22-R* | GTTTCTTTTTGTACCTCCGTGGA |
| *CsDREB2C-F* | *TEA000861* | GAGTGATGGTCATTTCCTGAATC |
| *CsDREB2C-R* | TATCATAGTTTCCCTCTTGCTGT |
| *CsDREB1-F* | *TEA010806* | TGTAATGACAATACGGGGTCCA |
| *CsDREB1-R* | AGCAAGGAGGTGGTGAAAGC |
| *CsSOD-F* | *TEA006329* | AGTGTGCCACGCTCTTTGTCAT |
| *CsSOD-R* | ATCTCGTTGAGGATTCTTCAC |
| *CsCAT-F* | *TEA002986* | AGGTATGATTCGGTTCGCCA |
| *CsCAT-R* |  | CGCTCTTGCCTGTCTGGTG |
| *CsAPX-F* | *TEA000543* | TCCAAATGCTACTAAAGGG |
| *CsAPX-R* | CAGCTCCACAAAGAACGAA |