**Table S1** The primers used to amplify the full cDNA of TaGS1 and TaGS2 from wheat

|  |  |  |
| --- | --- | --- |
| Gene Name | Primer | Sequence(5'-3') |
| *TaGS1* | *TaGS1-F* | CCAAATCGACTCTAGTCTAGAATGGCGCTCCTCACCGATCTCCTC |
|  | *TaGS1-R* | CTCGGTACCGGATCCACTAGTTCAGGGCTTCCACAGGATGGTGGTC |
| *TaGS2* | *TaGS2-F* | CCAAATCGACTCTAGTCTAGAAT GGCGCAGGCGGTGGTG |
|  | *TaGS2-R* | CTCGGTACCGGATCCACTAGTTC ATACCTTCAGCGCCAGCTTCTTG |