**Table S1 List of forward and reverse primers used for real-time PCR analysis of *P5CS* gene expression**

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **Prime** | **Forward sequence (5′–3′)** | **Reverse sequence (5′–3′)** |
| 1 | Actin-2 | GGCTGATTGTGCTGTGCTTA | CTCACTCCAAGGGTGAAAGC |
| 2 | *P5CS* | CCTGCAACGCAATGGAAACA | GCACCGAATCCTGACCAAGA |

The primers for the selected stress responsive genes and Actin-2 (as an internal control) were designed based on the sequence information available from NCBI EST database ([http://www.ncbi.nlm.nih.gov](http://www.ncbi.nlm.nih.gov/)) for *Lolium perenne*.