**Supplementary Materials**

Kenzhebayeva S., Atabayeva Saule, Sarsu F., Abekova A., Shoinbekova S., Omirbekova N., Doktyrbay G., Beisenova A., Y. Shavrukov. Organ-specific expression of genes involved in iron homeostasis in wheat mutant lines with increased grain iron and zinc content

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**Supplementary Table S2.** Information about primers used for qPCR in this study, including NCBI GenBank ID and Unigene ID (in brackets), primer sequence, amplicon size and primer efficiency.

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| --- | --- | --- | --- | --- | --- |
| **Gene name** | **NCBI accession** | **F and R** | **Sequence (5’-3’)** | **Ampli-con size (bp)** | **Primer effici-ency** |
| *TaSAMS* | HP612105(Ta.69768) | F | GCGCACGATCTCTCGTAGT | 61 | 2.00 |
| R | GTCATGGTCTTTGGCGAG |
| *TaNAS1* | JP215700.1(Ta.37977) | F | aggcgcactactccgaca | 61 | 1.83 |
| R | gaagatgccgaggtggtc |
| *TaNAAT2-B* | BT009504(Ta.4977) | F | GACCATTTAGCCAAGGTTGC | 64 | 1.85 |
| R | TACCTCGTCAGCAATCACCA |
| *TaDMAS1-A* | AB269908(Ta.5335) | F | CACCGTCAATCAGGTGGAG | 68 | 1.88 |
| R | CCTCTGCAGAACTCCCTCA |
| *TaTOM* | JP874085(Ta.5180) | F | TGGAGAATGCAATGATAGGTTTT | 72 | 1.86 |
| R | AGATGTTTTGCCTCGCTGTT |
| *TabHLH* | CD872522(Ta.34545) | F | GGCTAGGTAGCTACGTTCCATC | 51 | 2.00 |
| R | TGATCCATCACAGGCAGTTG |
| *TaYSLA* | HP631418(Ta.48303) | F | TGCATGGAACCAAGATAAACAAG | 68 | 2.00 |
| R | ACATATCAAAGCGGATGCAA |
| *TaVIT2-D*  | BE426855(Ta.22757) | F | GGCCTCGGAGGGTATCTG | 64 | 1.86 |
| R | ACAGTATGTCCGCGATCTCC |
| *TaNRAMP* | AK334756(Ta.13247) | F | TGGAAAGGAGCTTCTGATCG | 51 | 2.00 |
| R | GCCTGCTTGATGGTCTTTG |
| *TaFer1A-D* | HP635522(Ta.5220) | F | GAGTGTGGCACTTCGATCAG | 61 | 2.00 |
| R | CGTAGTCGTCGTCGTGTCCTTCA |
| *ATP-dep. 26S proteasome regul. subunit* | TC353778(Ta.22845) | F | GCTGGCTCGTTCAACTGATG | 202  | 1.87 |
| R | GGACCAAGCGTTCTGATTACTC |