**Table S1. Primer information and sequences.**

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| Purpose | Primer name | Sequence |
| RT-PCR | Pbqsox1 | AAAAGGGTGAAGTAGTGT |
| Pbqsox2 *Pbqsox* | ATGCTGGGCAATAATA |
| Hsp70F | GTATTATTAATGAACCCACCGCT |
|  | Hsp70R | GAAACATCAAATGTACCACCTCC |
| Expression of rPbQSOX | *pbqsox*-F | CGCGGATCCGACGACGACGACAAGTCGGAACATTCAGATATTTGCA |
|  | *pbqsox*-R | CCCAAGCTTCTATGAATATATGCTGACC |
| PbQSOX KO | 5UTR-F | CCCAAGCTTTTGTTTGGTCTCGCTG |
| 5UTR-R | AAAACTGCAGCGTTGATTTAGCTTTTTCG |
| 3UTR-F | CCGCTCGAGTTTATCCTACGATTTCACTTTTTT |
|  | 3UTR-R | CCGGAATTCAATACAATGACGCTTCTAACGA |
| Δ*pbqsox* line integration-specific PCR | Primer 1 | TATGAAAACGCTAATACTAGTCCA |
| Primer 2 | TGAATGTTCCGAACCCCA |
| Primer 3 | GGTGCTTTGAGGGGTGAG |