**Table S4.** Primers designed for the genes of interest selected for cloning and qRT-PCRa

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| **Gene** | **5’-3’ Primer Sequence** | **Function (Annealing Temperature °C)** |
| CKS\_3263 CDS | F: CAGAACTGAATGGCTTTTGCR: GGACTTGGTGGTCCACT | Cloning CKS\_3263 coding region |
| CKS\_3263 RT | F: TATGACCGGAGTTGATTTCTTTGGR: TGCCCAGGCAGCTAAAATGA | qRT-PCR (60°C) |
| CKS\_3793 CDS | F: ATGCTAGATATCGTCGAACTGTCR: TCTGTTCATGGTGATAGCGC | Cloning CKS\_3793 coding region (Kernell Burke et al., 2015) |
| CKS\_3793 RT  | F: CCTTTGTGGGCCTGTTCTTTTTR: ACCGCCAGATGCTGCACTT | qRT-PCR (64°C) (Kernell Burke et al., 2015) |
| *rmf* CDS | F: ATGAAGAGACAGAAACGAGACCR: TCCCAACCAGTGAGACTTAGC | Cloning *rmf* coding region |
| *rmf* RT | F: CAGAAACGAGACCGCCTTGAR: GCGTCCTGTAATGCCAGCTT | qRT-PCR (64°C) |
| *bfr* CDS | F: ATGAAGGGCGATGCGAAAATCATAAGR: TTACTCTTCTTTGATTTGCGCCTG | Cloning *bfr* coding region |
| *bfr* RT | F: TGATTACGTAAGCCGCGATATGR: CAGTCGATATGATGCTCCTCATCTT | qRT-PCR (60°C) |
| CKS\_3570 CDS | F: TTTATTCACGATCTGATTAACTGGATTGACR: AACACCATACTGACGCTTGAAGC | Cloning CKS\_3570 coding region |
| CKS\_3570 RT | F: CTCGATCTCGATACGGTTTCTGAR: ATCCGTTGCAGGTGCCATT | qRT-PCR (64°C) |
| *aceB* CDS | F: ATGACAGACTCAGTTATTACCCACGAATTACACR: TTACGTGCGCTGTCTTTACTTGG | Cloning *aceB* coding region |
| *aceB* RT | F: TGGCTGGCACATTGTCTCATAR: GGATCGGCGCGAAGCT | qRT-PCR (60°C) |
| *yeaG* CDS | F: TACCTTGGCACCATTATGTCGR: ATCGTCGTGTTTCTTCTGCTCATCC | Cloning *yeaG* coding region |
| *yeaG* RT | F: ACCGACCCGAAAGCGAAATR: CGTCCACGCCCGCATA | qRT-PCR (64°C) |
| CKS\_2505 CDS | F: CTACTGGCTTCCGTATTCCATCGR: ATGAACGGCTTAATGAAACTCGATCG | Cloning CKS\_2505 coding region |
| CKS\_2505 RT | F: TTTGGGCATCGAGCATCTTCR: CGCTTTATCACCCGCAGTATTG | qRT-PCR (64°C) |
| *hupA* CDS | F: AAAGCTGACCTGTCTAAAACCCAGR: ACGGCGTCTTTCAGAGCTTTACC | Cloning *hupA* coding region |
| *hupA* RT | F: GCTGAGCGTACCGGTCGTAAR: TGCCGCAGCGATTTTGAT | qRT-PCR (64°C) |
| CKS\_4537 CDS | F: CGGAAGTTCTGAATAATGGCTGCGR: CTGATACAAACCCAAGCCCCACG | Cloning CKS\_4537 coding region |
| CKS\_4537 RT | F: CAAGAGCCTTTTGGGCATCCTR: CTCGGTCGCATTCGAAACC | qRT-PCR (60°C) |
| *recF* CDS | F: TTAATCTTTAGGTTGAACCGCTATTTTACCCTGR: GCTTTAACCCGCCTGCTAATAAAAGATTTTCG | Cloning *recF* coding region |
| *recF* RT | F: AGAGGCAAAGTCATCAATGAGGTAAAR: GGGCGAGTTCCTGACTAACCA | qRT-PCR (60°C) |
| *atpD* CDS | F: TTAAGAATGGTGATGCTCGTCTGGR: CTTCTTCGATGGCACCAACC | Cloning *atpD* coding region |
| *atpD* RT | F: GGTGCGGGTGTGGGTAAAAR: GCTCAGCCGCAATGTTACG | qRT-PCR (64°C) |
| *gyrB* CDS | F: TTAGATATCGATGTTAGCGGCTTTCAGCR: ATGTCGAATTCTTATGACTCTTCAAGTATCAAAGTTCTG | Cloning *gyrB* coding region |
| *gyrB* RT | F: GACGTGACCACGCTCAATAATTTCR: CGGCTCGCACATTCGTACA | qRT-PCR (60°C) |

aPrimers listed as coding DNA sequence (CDS) were for the cloning of each gene into pGEM-T, and RT was for the qRT-PCR protocol.