

**Supplementary Table S1. List of primers used in this study for RT-PCR, RACE, qPCR, and protein expression**

**A. Primers for RT-PCR confirmation of gene transcription**

Gene	Forward primer	Reverse primer
GMD	5'-TTAGCTGCTCAGTCCCATGTGAAG-3'	5'-CTCCGGTGTATCACGTTGAAGCAT-3'
GMER	5'-AGCGCATACGCCAACCTATGTAA-3'	5'-ACTGACGCAATGGCTTACCAGAAC-3'
GFT	5'-CGTATGCAGCTCTGCTGTACCTAG-3'	5'-CATGTGCAACAGCTGCATAAACTGC-3'

**B. Primers for 5' and 3' RACE of gene transcripts**

Gene	Forward primer (3' RACE)	Reverse primer (5' RACE)
GMD	5'-ACCCGAGGTCACCGTACAGCGTTGCG-3'	5'-ACGTTTCTCCTCGCCGAGGGCTTTCATGA-3'
	5'-TCATGAAAGCCCTCGGCGAGGAGAAAACGT-3'	5'-CGCAACGCTGTACGGTGACCTCGGGT-3'
GMER	5'-CCAATTAGCTGCCAAAGTCGGCGGTTTG-3'	5'-ACTGACGCAATGGCTTACCAGAACCCCA-3'
	5'-TGGGGTCTGGTAAGCCATTGCGTCAGT-3'	5'-CAAACCGCCGACTTTGGCAGCTAAGTGG-3'
GFT	5'-TCCGGTACTGCTAAGGCAGCTGCACA-3'	5'-TGTGCAGCTGCCTTAGCAGTACCGGA-3'
	5'-GCGGATCAGCAGTTTATGCAGCTGTTTCGAC-3'	5'-TCACATGACTAGGTAACAGCAGAGCTGCA-3'

**C. Primers for RT-PCR amplification of CDS regions of gene transcripts**

Gene	Forward primer	Reverse primer
GMD	5'-CTTGGCAATGAACAATAACGGTG-3'	5'-TCAGACTAAATTGGGAAAGCAGATTG-3'
GMER	5'-TTCTAGGGCCTATATCCAGCAG-3'	5'-CTAGACACAACCTAGCACCGAATAG-3'
GFT	5'-GTATAGAGCGTTGCCAATGAGG-3'	5'-CAAGTTATTAAGAAACCCATAGAGAGC-3'

**D. Primers for real-time qPCR analyses of gene transcript expression, including the calibrator GAPDH used in RNAi experiments**

Gene	Forward primer	Reverse primer
GMD	5'-GCAATGAACAATAACGGTGTGAG-3'	5'-AGAACTCGGCCAAATAAGAGC-3'
GMER	5'-GAAATTTTCGATCCGTCAAGCTG-3'	5'-ACCATCCGCTTTAGTTGTGTC-3'
GFT	5'-AGTCTGTATCGCTAAATGCACC-3'	5'-ACATGACTAGGTAACAGCAGAG-3'
ATPsf	5'-GAATACAATGCACGAGTACATGG-3'	5'-CTACGTGAAAACCACTCACTG-3'
GroES	5'-AAGTCGTAAGTGGACGAAAATGAG-3'	5'-GGACTAGATCTAAAACACCGGTC-3'

**E. BamHI (ggatcc)/EcoRI (gaattc)-tagged primers for preparation of GMD and GMER expression constructs (gene-specific sequences underlined)**

Gene	Forward primer (BamHI-tagged)	Reverse primer (BamHI/EcoRI-tagged)
GMD	5'-cctgggatcc <u>ATGAACAATAACGGTGTGAGTTGTG</u> -3'	5'-acctggaattc <u>GCAGATTGAAAGTTAGTTAAACAGGAG</u> -3'
GMER	5'-cctgggatcc <u>ATGGAAACCACTGTATTAGTTACAGG</u> -3'	5'-cctgggatcc <u>CTAGACACAACCTAGCACCGAATAG</u> -3'