

Table S1: Oligonucleotides

Primer ID	Strand	Primer Sequence (5'>3')*	Comment
TgF1	Sense	AGATCTATGAGTTCTCGTAACGGCGG	Encodes the first codon
TgF2	Antisense	CCTAGGTTTCGTCTCGCGTAATAGTGGATAGC	Up to at amino acid 1250
TgF3	Sense	CTCTCACCTTCAACGATTTGGCCTAACCCACAGAAGC TGCCCGTCT	Up to amino acid 354
TgF4	Antisense	AGACGGGCAGCTTCTGTGGGTTAGGCCAAATCGTTG AAGGTGAGAG	Up to amino acid 354
TgF5	Sense	GAGGACGCATGTGGGCAGCCCGTCTTCTCCACTCTC TCCACGATGG	Delete TMD from FtsH1(1-354)
TgF6	Antisense	CCATCGTGGAGAGAGTGGAGAAGACGGGCTGCCCA CATGCGTCCTC	Delete TMD from FtsH1(1-354)
TgF7	Antisense	ACGAAAAGAGGCCCCGAAGCTC	EST sequence-screen cDNA library
TgF8	Antisense	CAGCGCAGCAAGCACTC	5'RACE
TgF9	Antisense	AGCGACGGTCCGACGAAAAC	5'RACE
TgF10	Sense	AAGTGACAATGGGTCCAGCTCGA	Nested PCR
TgF11	Sense	ACGCGCGTTATGTGCGCTTAC	Nested PCR
TgF12	Sense	CAAAGTCCATGGCAGAAGTCGG	3'RACE
TgF13	Sense	CTCGTGAAGAGGAAGTGAAGC	3'RACE
TgF14	Antisense	CCTAGGCTTCTCTTCGGCGAGATTTGCAG	Clone intermediate fragment
TgF15	Sense	CTCCTCGCCGCTAGAGCAGACAAGTAACCCACAGAA GCTGCCCGTCT	Up to amino acid 694
TgF16	Antisense	AGACGGGCAGCTTCTGTGGGTTACTTGTCTGCTCTAG CGGCGAGGAG	Up to amino acid 694
TgF17	Sense	GCATGCAGCAAGGCCGAACAGTAACCCACAGAAGCTG CCCGTCT	Up to amino acid 925
TgF18	Antisense	AGACGGGCAGCTTCTGTGGGTTACTGTTGCCTTGC TGCATGC	Up to amino acid 925
TgF19	Sense	GTTTTCTTCGACCACCAATTGTATACTAGTATGAGT TCTCGTAACG	Insert Mun1 spe1 sites
TgF20	Antisense	CGTTACGAGAACTCATACTAGTATACAATTGGTGGTC GAAGAGAAAAC	Insert Mun1 spe1 sites
TgF21	Sense	GAGGACGCATGCGTGCAGCCCGTCTTCTCCACTCTC TCCACGATGG	To delete TMD
TgF22	Antisense	CCATCGTGGAGAGAGTGGAGAAGACGGGCTGCACG CATGCGTCCTC	To delete TMD
TgF23	Sense	CAACTCTGGTGAATGCCGGCG	PCR
Nested (dT)	Antisense	CCTCTGAAGGTTACGGATCCA CATCTAGATTTTTTTTTTTTTTTTTTTTTVN	3' RACE cDNA synthesis
B1	Antisense	CCTCTGAAGGTTACGGAT	3' RACE
B2	Antisense	CACGGATCCACATCTAGAT	3' RACE
FtsH1-1	Sense	GAGACGAAGCTTTGCTACATCCACAAGAACAGCTCC	Amplify FtsH1 promoter
FtsH1-2	Antisense	GGTGCTGGATCCCGCGCGTATGTGTACGTCGAG AATTGAAAATGGGCAAGCCTATCCCTAACCCCTCTCCT CGGCCTCGACTACGGGCAAGCCTATCCCTAACCC TCTCCTCGGCCTGGACTCGACGA	Amplify FtsH1 promoter
V5 linker 1	Sense	CTAGTCGTCGAGTCCAGGCCGAGGAGAGGGTTAGG GATAGGCTTGCCCGTAGAGTCGAGGCCGAGGAGAG GGTTAGGGATAGGCTTGCCATTTTC	Add 2V5 tags
V5 linker 2	Antisense	CTAGTCGTCGAGTCCAGGCCGAGGAGAGGGTTAGG GATAGGCTTGCCCGTAGAGTCGAGGCCGAGGAGAG GGTTAGGGATAGGCTTGCCATTTTC	Add 2V5 tags
HA linker 1	Sense	CTAGGATGTACCCTTACGATGTCCCTGATTACGCGGC TAGCTAGCTGCA	Single HA tag
HA linker 2	Antisense	GCTAGCTAGCCGCGTAATCAGGGACATCGTAAGGGT ACATC	Single HA tag

HA linker 3	Sense	<u>CTAGC</u> TACCCTTACGATGTCCCTGATTACGCTTACCC TTACGATGTCCCTGATTATGCATA CCCTTACGATGTCCCTGATTACGCATAGCTGCA	Add 3 HA tags
HA linker 4	Antisense	<u>GCTATGCGTAATCAGGGACATCGTAAGGGTATGCATA</u> ATCAGGGACATCGTAAGGGTAAGCGTAATCAGGGAC ATCGTAAGGGTAG	Add 3 HA tags

* Full and partial restriction sites for AvrII- CCTAGG; BglII- AGATCT; HindIII- AAGCTT; BamHI- GGATCC; MunI- CAATTG; SpeI- ACTAGT and NheI - GCTAGC; and PstI- CTGCAG are underlined. Stop codons are italicized. V=C, G or A and N= any base