

Table S1 Primer sequences used in this study

Primer name	Primer Sequences (5'–3')
MT 2-22a-L	<u>gaagcttgagctc</u> ATGTCTTGCTGCGGAGGAA
MT 2-22a-R1	<u>gtctaga</u> TCATTTGCAGGTGCAAGGG
MT 2-22a-R2	<u>gggatcctcctcctcctcctcctcc</u> TTTGCAGGTGCAAGGGTTG
MT 2-22b-L	<u>gaagcttgagctc</u> ATGTCTTGCTGTGGAGGAAA
MT 2-22b-R1	<u>gtctaga</u> TCATTTACAAGTGCAAGGGTT
MT 2-22b-R2	<u>gggatcctcctcctcctcctcctcc</u> TTTACAAGTGCAAGGGTTGTC
MT 3b-L	<u>ggatccgagctc</u> ATGTCTTCGTGCGGAAACTGC
MT 3b-R1	<u>gtctaga</u> TTAATTGGGGCAGCAAGTGCA
MT 3b-R2	<u>gggatcctcctcctcctcctcctcc</u> ATTAATTGGGGCAGCAAGTGCA
mRFP -L	<u>gggatcc</u> ATGGCCTCCTCCGAGGACG
mRFP-R	<u>ggaattc</u> TTAGGCGCCGGTGGAGTGG
MT2-22a-qRT-F	ACCACCGAGACTCTTGTCCT
MT2-22a-qRT-R	ACAACCGGAGAAATCAGCCA
MT2-22b-qRT-F	CAGACTTGGGCTTCTCAGGG
MT2-22b-qRT-R	ACAGGACTCACATAGCCAGC
MT3-qRT-F	CACCATAATTGGCAGAGATGCTCA
MT3-qRT-R	GGTTCCCTTCTTCACGCAC
Actin-qRT-F	ACAGTGTCTGGATCGGTGGTTC
Actin-qRT-R	TGCCTCATCATACTCAGCCTTG

Restriction endonucleases sites were underlined