

**Table S1.** Primers used in this study.

Primers name	Primer sequence (5'-3')
F_AscI_04g036970	ATTTGGCGCGCCACTATTGTTCTATTCTCTCT
R_SwaI_04g036970	CGCGATTTAAATGTCTTGAACTTTCCGCATCT
F_BamI_04g036970	ATTTGGATCCGTCTTGAACTTTCCGCATCT
F_BamI_04g036970	ATGCGGATCCACTATTGTTCTATTCTCTCTCAGC
F_dsseq_check	CCATGGAAGCTTGGTACCGAGCTCTATTTTTACA
R_dsseq_check	GAGATCCTGAACACCATTTGTCTCAACTCCGG
QF_SSactin	CAACCCAAAGTCCAACAGAGA
QR_SSactin	GTACGACCGGAAGCGTAAAG
QF_04g036970	CTTCCTTTGGCGAGCTATCA
QR_04g036970	GTCGGGTAATCCTTGACTCTTC
QF_01g002350	GCCCTTCAGAACCTTG TAGTT
QR_01g002350	CCTTGCTTCTTCTTCTCTC