

Gene name	Primer name	Primers	Description
BS10	BS10-F	GGTGCTTGATGCTTTGGATAAGG	Verification of the stability of inserted fragments
BS32	BS32-R	TGGTCTTCCCTTGGGGGAC	
LICF	LIC-F	TGATTCTTCTCCGTTTCTAAGGA	
TaPDS	TaPDS-F	TGCTTCAGTATGGATACCAGCTGCC	TaPDS clone
TaPDS	TaPDS-R	AATTTGAATCGCGCTAACTAGCTAC	
TaPDS-lic	TaPDS-F-lic	<u>AAGGAAGTTTAA</u> TTTCTCCAGGAGAAG	pca- γ b:TaPDS construction
TaPDS-lic	TaPDS-R-lic	<u>AACCACCACCACCGT</u> TCTCCAGTTATTTGAG	
TaAOS-lic	TaAOS-F-lic	<u>AAGGAAGTTTAA</u> GGAGAAGATGGAGCTGACC	pca- γ b:TaAOS construction
TaAOS-lic	TaAOS-R-lic	<u>AACCACCACCACCGT</u> GATGTTTCATGTCCGCCTTG	
TaOPR3-lic	TaOPR3-F-lic	<u>AAGGAAGTTTAA</u> GGTGGCAGCCTCGAGAACCGGT	pca- γ b:TaOPR3 construction
TaOPR3-lic	TaOPR3-R-lic	<u>AACCACCACCACCGT</u> ACAATTGCCATCCGGGGTTCTAC	
TaAOC-lic	TaAOC-F-lic	<u>AAGGAAGTTTAA</u> GTGTCAGCGTCAGCTCGGGCAGGAAG	pca- γ b:TaAOC construction
TaAOC-lic	TaAOC-R-lic	<u>AACCACCACCACCGT</u> TCTGTCCAGGCTCCCGTTGTAC	
TaAOS-Hind III	TaAOS-Hind III -F	TGGA <u>AAGCTT</u> GGAGAAGATGGAGCTGACC	PANDA- β -TaAOS
TaAOS-BamHI	TaAOS-BamHI-R	TTTT <u>GGATCC</u> GATGTTTCATGTCCGCCTTG	
TaPDS	TaPDS-F	TTTCTCCAGGAGAAGCATGGCT	semi-quantitative RT-PCR
TaPDS	TaPDS-R	GGACCTCGGTGTCTTCACAA	
TaAOS	TaAOS-F	GGAGAAGATGGAGCTGACC	
TaAOS	TaAOS-R	TGATGTTTCATGTCCGCCTTG	
TaOPR3	TaOPR3-F	GGTGGCAGCCTCGAGAACCGGT	
TaOPR3	TaOPR3-R	TACAATTGCCATCCGGGGTTCTAC	
TaAOC	TaAOC-F	GTCAGCGTCAGCTCGGGCAGGAAG	
TaAOC	TaAOC-R	TCTGTCCAGGCTCCCGTTGTAC	
18SrRNA	18SrRNA-F	GTGACGGGTGACGGAGAATT	internal reference
18SrRNA	18SrRNA	GACACTAATGCGCCCGGTAT	gene of wheat