

Supplemental Table S1:

<i>Primer</i>	<i>Sequence (5'–3')</i>	<i>Direction</i>	<i>Purpose</i>
GsTPT			
ML58	TAGGATCCATGAACCTTCTAAAGAATCCATCA	fwd	HE
ML59	ATCTCGAGATGAACCCAGAGTCTACTTTATTT	rev	HE
ML137	AGCACTTGAACCCTTTGTCTG	fwd	RTPCR
ML138	TGCATTGGCAGGAGTGATAG	rev	RTPCR
GsPPT			
ML56	TAGGATCCCAAGGAAACTCACTATTCGTC	fwd	HE
ML66	GTCTCGAGTCTATTCTATTTTCTCCTTCTTCTT	rev	HE
	GG		
ML135	CAACCATGGCTACCTTTTCGT	fwd	RTPCR
ML136	CGTCAAAAAGCCAATCCAAT	red	RTPCR
GsGPT			
ML94	TGGTACCCAAAGGAGAAAAGGATATCATAAGAG	fwd	HE
	C		
ML95	ATCTCGAGACTACTGCTTTTCTCGCTTCG	rev	HE
ML133	AGAGTGGTGGCTCTCCTCAA	fwd	RTPCR
ML134	GATGAATCCGGTCCAGGTAA	rev	RTPCR
GsActi			
n			
ML132	CACAGCATCTGGCCAAACTT	fwd	RTPCR
ML131	GACCCACATTTGTTGGAAGG	rev	RTPCR

Supplemental Table S2:

	<i>GsTPT</i>	<i>GsPPT</i>	<i>GsGPT</i>
GenBank Accession Number	EU853171	EU853172	EU853173
Accession number Galdieria Genome Browser Build 3.0	Stig_15 Gs21660	Stig_53 Gs53050	Stig_45 Gs48050
Amino acid statisitic report [%]			
Identity to AtTPT	33	30	32
Similarity to AtTPT	53	51	53
Identity to AtPPT	31	41	31
Similarity to AtPPT	52	57	52
Identity to AtGPT	33	33	37
Similarity to AtGPT	56	51	55
Exon/Intron Structure			
# of Exons	2	4	2
Exon length (nt)	119 1105	244 174 191 615	112 1121
# of Introns	1	3	1
Intron length (nt)	53	55 47 70	50
Transmembrane spans (ConPred II)	9	10	9