

Results of RACE amplifications using MPSS signatures

#	MPSS signature	tpm _N	tpm _P	bp	Best match (nucleotide BLAST)	% id	Accession
					Best match (translated BLAST)	E val	# of match
42	GATCACCTACCGTCCGG	50667	62195	317	<i>Lingulodinium polyedrum</i> luciferin-binding protein mRNA <i>A. tamarense</i> EST UI-D-GC1-aaq-b-08-0-UI ND ^a	95	CK782963
49	GATCAGACCCCCTGCGA	9609	10532	253	Same as previous signature		
22	GATCACCTACCGACCGG	199	3360	325	Same as previous signature		
15	GATCACCTACCGACCGT	0	274	315	Same as previous signature		
34	GATCCATGCGGTCTTTG	42044	81751	106	<i>A. tamarense</i> EST UI-D-GC1-aap-d-10-0-UI <i>Lingulodinium polyedrum</i> histone-like protein mRNA	94 3e-34	CV554063 AF482694
11	GATCCATGCGGTCTTCG	0	464	109	Same as previous signature		
12	GATCCATGCGGTATTTG	0	373	109	Same as previous signature		
17	GATCCATGCGGTCTTTG	0	260	108	Same as previous signature		
35	GATCGTACAGGCAACAT	2209	282	531	<i>Alexandrium fundyense</i> S-adenosyl-homocysteine hydrolase like protein mRNA <i>A. tamarense</i> EST UI-D-GC0-aae-p-02-0-UI ND ^a	99 95	AF105295 CF947581
45	GATCCTGTAGCGATGTG	14664	16688	-	Same as previous signature; the #45 RACE sequence maps to a downstream GATC site on the #35 sequence		
14	GATCTCATTGCAGGGGT	0	279	320	<i>A. tamarense</i> EST UI-D-GC1-aau-b-17-0-UI <i>Arabidopsis thaliana</i> putative ribonucleoside-diphosphate reductase small chain	89 2e-5	CK783780 BT004167
26	GATCGCCATGTTTCGCGG	2059	6153	109	<i>A. tamarense</i> EST UI-D-GC1-abf-c-02-0-UI <i>Heterocapsa triquetra</i> chloroplast light harvesting complex protein ^b	90 2e-22	CK785886 AY826911
23	GATCCTTGTGAATTAAC	671	2930	250	<i>Lingulodinium polyedrum</i> EST <i>Pfiesteria piscicida</i> mitochondrial cytochrome b	95 2e-26	BP742407 AF357521
7	GATCTGATTGCGTG GGC	302	0	228	<i>A. tamarense</i> EST UI-D-GC1-aaq-a-01-0-UI <i>Hordeum vulgare</i> DNA for B-Hordein seed storage protein ^b	93 4e-9	CV555282 X53690
9	GATCAAGTCAAGTATGC	281	0	112	<i>A. tamarense</i> EST UI-D-GC1-aba-h-15-0-UI none	93	CK784543
4	GATCGCATCCATGCCTA	354	0	401	<i>Lingulodinium polyedrum</i> EST <i>A. tamarense</i> pcp	89 9e-91	CD809716 AB126029

^a not determined because a match was made via nucleotide search

^b translated blast match was made to the best matching EST, not to the RACE product itself.