

Table S8. N-Replete Transcriptional Start Sites at 12 Hours Post Starvation Identified by TSSAR.

Position	Strand	ID	Score	Difference	p-Value	Positional I Class	Comment
158 +	TSS_000004	1000	744	0	5 P	16nt upstream of gene PMM0001;	
1089 +	TSS_000013	1000	100	0	9 IP	within gene(s) PMM0001; 244nt upstream of gene PMM0002;	
1991 +	TSS_000015	1000	172	0	4 IP	within gene(s) PMM0002; 53nt upstream of gene PMM0003;	
2084 +	TSS_000019	1000	2221	0	2 I	within gene(s) PMM0003;	
2919 -	TSS_009685	1000	52	0	1 Ai	antisense to gene(s) PMM0003;	
3197 +	TSS_000026	1000	138	0	5 I	within gene(s) PMM0003;	
8361 -	TSS_009699	1000	614	0	0 P	33nt upstream of gene PMM0005;	
9568 +	TSS_000040	1000	184	0	5 Ai	antisense to gene(s) PMM0007;	
10218 -	TSS_009703	1000	460	0	0 I	within gene(s) PMM0007;	
10339 +	TSS_000043	1000	1555	0	4 P	28nt upstream of gene PMM0008;	
11776 +	TSS_000054	1000	162	0	4 P	17nt upstream of gene PMM0010;	
12361 +	TSS_000061	1000	152	0	0 I	within gene(s) PMM0010;	
14116 -	TSS_009714	1000	1451	0	2 Ai	antisense to gene(s) PMM0011;	
14141 +	TSS_000072	1000	65	0	0 I	within gene(s) PMM0011;	
14568 +	TSS_000073	1000	531	0	1 P	17nt upstream of gene PMM0012;	
14769 -	TSS_009717	1000	133	0	0 Ai	antisense to gene(s) PMM0012;	
14964 -	TSS_009718	1000	536	0	6 Ai	antisense to gene(s) PMM0012;	
15347 +	TSS_000080	1000	83	0	0 I	within gene(s) PMM0012;	
16016 +	TSS_000083	1000	27455	0	3 P	2nt upstream of gene PMM0013;	
16255 -	TSS_009725	1000	176	0	1 Ai	antisense to gene(s) PMM0013;	
17671 +	TSS_000101	1000	471	0	2 P	41nt upstream of gene PMM0015;	
18267 +	TSS_000109	1000	1171	0	4 P	16nt upstream of gene PMM0016;	
20649 +	TSS_000146	1000	44	0	2 I	within gene(s) PMM0019;	
23179 -	TSS_009753	1000	110	0	0 I	within gene(s) PMM0022;	
24122 +	TSS_000151	1000	1553	0	3 P	28nt upstream of gene PMM0023;	
24575 -	TSS_009757	1000	103	0	0 Ai	antisense to gene(s) PMM0023;	
24586 -	TSS_009758	1000	52	0	0 Ai	antisense to gene(s) PMM0023;	
25810 -	TSS_009768	1000	51	0	0 I	within gene(s) PMM0024;	
25886 -	TSS_009770	1000	1299	0	1 I	within gene(s) PMM0024;	
26468 -	TSS_009772	1000	258	0	0 I	within gene(s) PMM0025;	
27201 +	TSS_000176	1000	72	0	0 P	86nt upstream of gene PMM0026;	
27273 +	TSS_000177	1000	2551	0	2 P	14nt upstream of gene PMM0026;	
27367 +	TSS_000180	1000	999	0	0 I	within gene(s) PMM0026;	
27478 -	TSS_009780	1000	399	0	1 Ai	235nt upstream of gene PMM0025; antisense to gene(s) PMM0026;	
27552 +	TSS_000183	1000	93	0	5 I	within gene(s) PMM0026;	
27755 +	TSS_000188	1000	784	0	0 IP	within gene(s) PMM0026; 92nt upstream of gene PMM0027;	
30271 +	TSS_000196	1000	109	0	2 I	within gene(s) PMM0030;	
30946 -	TSS_009795	1000	293	0	2 P	16nt upstream of gene PMM0031;	
31393 -	TSS_009806	1000	361	0	2 I	within gene(s) PMM0032;	
31536 -	TSS_009812	1000	8798	0	2 P	16nt upstream of gene PMM0032;	
31640 +	TSS_000206	1000	307	0	1 Ai	antisense to gene(s) PMM0033;	
31718 +	TSS_000208	1000	99	0	0 Ai	antisense to gene(s) PMM0033;	
32109 -	TSS_009817	1000	90	0	1 P	18nt upstream of gene PMM0033;	
32317 +	TSS_000281	1000	3951	0	4 P	18nt upstream of gene PMM0034;	
32374 +	TSS_000209	1000	87	0	0 I	within gene(s) PMM0034;	
33332 +	TSS_000214	1000	288	0	1 Ai	antisense to gene(s) PMM0035;	
33713 -	TSS_009835	1000	2238	0	2 P	16nt upstream of gene PMM0035;	
34926 +	TSS_000220	1000	446	0	0 I	within gene(s) PMM0037;	
37053 -	TSS_009843	1000	140	0	0 Ai	antisense to gene(s) PMM0038;	
37342 +	TSS_000234	1000	949	0	3 P	18nt upstream of gene PMM0039;	
41761 -	TSS_009854	1000	99	0	0 I	within gene(s) PMM0042;	
43346 +	TSS_000247	1000	245	0	0 Ai	antisense to gene(s) PMM0043;	
44029 +	TSS_000249	1000	671	0	1 Ai	antisense to gene(s) PMM0043;	
44220 -	TSS_009872	1000	1036	0	0 P	30nt upstream of gene PMM0043;	
44838 -	TSS_009876	1000	300	0	2 Ai	antisense to gene(s) PMM0044;	
47672 -	TSS_009885	1000	155	0	5 I	within gene(s) PMM0045;	
47817 +	TSS_000268	1000	31	0	1 Ai	antisense to gene(s) PMM0045;	
47824 +	TSS_000363	1000	4286	0	4 Ai	antisense to gene(s) PMM0045;	
49002 +	TSS_000275	1000	2951	0	3 P	15nt upstream of gene PMM0046;	
49816 -	TSS_009890	1000	79	0	0 I	within gene(s) PMM0047;	
50616 +	TSS_000283	1000	577	0	0 P	56nt upstream of gene PMM0048;	
52823 +	TSS_000305	1000	366	0	5 P	44nt upstream of gene PMM0050;	
52948 -	TSS_009900	1000	252	0	1 PAi	186nt upstream of gene PMM0049; antisense to gene(s) PMM0050;	
54377 -	TSS_009912	1000	510	0	36 I	within gene(s) PMM0051;	
54638 +	TSS_000315	1000	107	0	0 Ai	antisense to gene(s) PMM0051;	
55050 +	TSS_000316	1000	105	0	0 P	16nt upstream of gene PMM0052;	
56405 +	TSS_000317	1000	127	0	1 O	-	
56601 -	TSS_009928	1000	2687	0	0 O	-	
58622 -	TSS_014433	1000	200	0	3 I	within gene(s) PMM0055;	
58796 +	TSS_000323	1000	7021	0	1 P	207nt upstream of gene PMM0056;	
59479 +	TSS_000328	1000	1068	0	1 P	17nt upstream of gene PMM0057;	
59995 -	TSS_009950	1000	92	0	3 Ai	antisense to gene(s) PMM0057;	
61132 +	TSS_000334	1000	67	0	2 I	within gene(s) PMM0057;	
61620 -	TSS_009951	1000	71	0	3 Ai	antisense to gene(s) PMM0057;	
63006 +	TSS_000337	1000	1431	0	1 IP	within gene(s) PMM0057; 126nt upstream of gene PMM0058;	
63116 +	TSS_000339	1000	388	0	1 P	16nt upstream of gene PMM0058;	
63461 +	TSS_000341	1000	131	0	1 I	within gene(s) PMM0058;	
65570 -	TSS_009963	1000	153	0	3 P	121nt upstream of gene PMM0059;	
65752 +	TSS_000347	1000	284	0	1 P	89nt upstream of gene PMM0060;	

66139 +	TSS_000348	1000	39	0	0 I	within gene(s) PMM0060;
66151 +	TSS_000349	1000	141	0	0 I	within gene(s) PMM0060;
66155 -	TSS_009967	1000	21	0	0 Ai	antisense to gene(s) PMM0060;
66390 -	TSS_009969	1000	20	0	0 Ai	antisense to gene(s) PMM0060;
66518 +	TSS_000351	1000	178	0	2 I	within gene(s) PMM0060;
66815 +	TSS_000353	1000	102	0	0 I	within gene(s) PMM0060;
66972 -	TSS_009974	1000	99	0	2 Ai	antisense to gene(s) PMM0060;
67529 -	TSS_009976	1000	467	0	2 P	16nt upstream of gene PMM0061;
67586 +	TSS_000359	1000	3300	0	2 P	66nt upstream of gene PMM0062;
67893 +	TSS_000364	1000	547	0	6 I	within gene(s) PMM0063;
68237 +	TSS_000375	1000	208	0	3 I	within gene(s) PMM0063;
68394 -	TSS_009990	1000	94	0	0 Ai	antisense to gene(s) PMM0063;
68453 +	TSS_000389	1000	196	0	1 I	within gene(s) PMM0063;
69179 -	TSS_009999	1000	354	0	2 IP	within gene(s) PMM0065; 143nt upstream of gene PMM0064;
69361 -	TSS_010003	1000	117	0	0 I	within gene(s) PMM0065;
70887 -	TSS_010014	1000	75	0	0 I	within gene(s) PMM0065;
72400 -	TSS_010021	1000	168	0	0 P	32nt upstream of gene PMM0068;
72542 +	TSS_000416	1000	39	0	2 I	within gene(s) PMM0069;
73169 -	TSS_010023	1000	65	0	0 Ai	antisense to gene(s) PMM0069;
73910 -	TSS_010025	1000	129	0	0 Ai	antisense to gene(s) PMM0069;
74118 -	TSS_010027	1000	327	0	0 Ai	antisense to gene(s) PMM0069;
75013 +	TSS_000420	1000	70	0	0 Ai	antisense to gene(s) PMM0070;
78158 -	TSS_010048	1000	294	0	1 I	within gene(s) PMM0073;
78218 -	TSS_010050	1000	428	0	1 I	within gene(s) PMM0073;
78295 -	TSS_010052	1000	228	0	0 I	within gene(s) PMM0073;
78481 -	TSS_010056	1000	377	0	0 I	within gene(s) PMM0073;
79154 -	TSS_010069	1000	732	0	4 P	33nt upstream of gene PMM0073;
79823 +	TSS_000434	1000	69	0	0 P	22nt upstream of gene PMM0075;
80192 -	TSS_010074	1000	126	0	0 Ai	antisense to gene(s) PMM0075;
80289 +	TSS_000436	1000	106	0	0 I	within gene(s) PMM0075;
80352 +	TSS_000438	1000	127	0	3 I	within gene(s) PMM0075;
81157 +	TSS_000443	1000	77	0	0 P	14nt upstream of gene PMM0076;
82018 -	TSS_010082	1000	86	0	3 Ai	antisense to gene(s) PMM0076;
82229 -	TSS_010085	1000	198	0	0 Ai	antisense to gene(s) PMM0076;
83123 +	TSS_000448	1000	88	0	0 I	within gene(s) PMM0077;
86371 -	TSS_010094	1000	77	0	0 I	within gene(s) PMM0081;
88867 +	TSS_000462	1000	128	0	6 I	within gene(s) PMM0083;
89200 -	TSS_010103	1000	192	0	4 Ai	antisense to gene(s) PMM0083;
89701 -	TSS_010107	1000	70	0	0 Ai	antisense to gene(s) PMM0083;
90051 +	TSS_000469	1000	158	0	1 I	within gene(s) PMM0084;
91200 +	TSS_000478	1000	3458	0	7 IP	within gene(s) PMM0084; 60nt upstream of gene PMM0085;
91487 -	TSS_010116	1000	226	0	0 Ai	antisense to gene(s) PMM0085;
91506 +	TSS_000484	1000	99	0	0 I	within gene(s) PMM0085;
91711 -	TSS_010119	1000	600	0	1 Ai	antisense to gene(s) PMM0085;
92216 -	TSS_010120	1000	161	0	0 I	within gene(s) PMM0086;
92293 -	TSS_010121	1000	2236	0	1 P	20nt upstream of gene PMM0086;
92350 +	TSS_000490	1000	877	0	1 P	40nt upstream of gene PMM0087;
92747 +	TSS_000494	1000	1892	0	2 P	17nt upstream of gene PMM0088;
93143 -	TSS_010124	1000	624	0	2 O	-
94679 -	TSS_010125	1000	309	0	3 Ai	antisense to gene(s) PMM0089;
96428 +	TSS_000512	1000	261	0	2 P	24nt upstream of gene PMM0091;
97181 +	TSS_000526	1000	35340	0	10 P	19nt upstream of gene PMM0093;
98015 -	TSS_010136	1000	605	0	4 I	within gene(s) PMM0095;
98676 -	TSS_010143	1000	198	0	1 P	16nt upstream of gene PMM0095;
98732 +	TSS_000529	1000	15	7.5E-10	0 Ad	antisense to gene(s) PMM0096 (4nt downstream);
99177 +	TSS_000531	1000	59	0	0 Ai	antisense to gene(s) PMM0096;
101137 +	TSS_000534	1000	114	0	0 Ai	antisense to gene(s) PMM0098;
102827 +	TSS_000540	1000	71	0	3 I	within gene(s) PMM0099;
104291 +	TSS_000549	1000	72	0	0 I	within gene(s) PMM0100;
105240 -	TSS_010162	1000	95	0	0 I	within gene(s) PMM0101;
105437 -	TSS_010164	1000	316	0	3 I	within gene(s) PMM0101;
105586 -	TSS_010168	1000	62	0	3 I	within gene(s) PMM0101;
105798 -	TSS_010171	1000	82	0	2 I	within gene(s) PMM0101;
105946 -	TSS_010174	1000	618	0	2 P	30nt upstream of gene PMM0101;
106019 +	TSS_000552	1000	64	0	0 P	4nt upstream of gene PMM0102;
107782 -	TSS_010180	1000	94	0	1 I	within gene(s) PMM0103;
107836 -	TSS_010181	1000	148	0	0 I	within gene(s) PMM0103;
109596 +	TSS_000557	1000	56	0	0 Ai	antisense to gene(s) PMM0105;
109827 +	TSS_000558	1000	53	0	0 Ai	antisense to gene(s) PMM0105;
110281 +	TSS_000560	1000	1159	0	1 Ai	antisense to gene(s) PMM0106;
110766 -	TSS_010191	1000	15987	0	0 P	12nt upstream of gene PMM0106;
110958 +	TSS_000569	1000	52	0	0 I	within gene(s) PMM0107;
113037 +	TSS_000572	1000	68	0	0 P	46nt upstream of gene PMM0111;
114786 +	TSS_000576	1000	166	0	1 Ai	antisense to gene(s) PMM0114;
114981 -	TSS_010202	1000	91	0	0 IP	within gene(s) PMM0115; 35nt upstream of gene PMM0114;
115971 +	TSS_000583	1000	140	0	0 Ai	antisense to gene(s) PMM0115;
116412 -	TSS_010216	1000	52	0	7 P	9nt upstream of gene PMM0115;
116480 -	TSS_010218	1000	12000	0	0 P	20nt upstream of gene PMM0116;
118346 -	TSS_010221	1000	206	0	0 Ai	antisense to gene(s) PMM0118;
119698 -	TSS_010226	1000	202	0	2 P	16nt upstream of gene PMM0120;
119798 +	TSS_000598	1000	1770	0	2 P	28nt upstream of gene PMM0121;

119905 +	TSS_000600	1000	80	0	0 I	within gene(s) PMM0121;
120990 -	TSS_010232	1000	789	0	1 IP	within gene(s) PMM0123; 240nt upstream of gene PMM0122;
121450 -	TSS_010237	1000	124	0	0 I	within gene(s) PMM0123;
121764 -	TSS_010239	1000	130	0	0 P	29nt upstream of gene PMM0123;
122897 +	TSS_000608	1000	175	0	2 O	-
123251 +	TSS_000609	1000	910	0	1 P	68nt upstream of gene PMM0126;
123779 +	TSS_000612	1000	1002	0	0 I	within gene(s) PMM0126;
124013 -	TSS_010253	1000	75	0	1 Ai	antisense to gene(s) PMM0126;
125323 +	TSS_000621	1000	2270	0	1 P	35nt upstream of gene PMM0128;
125778 +	TSS_000632	1000	80	0	23 I	within gene(s) PMM0128;
126175 -	TSS_010263	1000	108	0	0 I	within gene(s) PMM0129;
129278 -	TSS_010273	1000	107	0	0 I	within gene(s) PMM0131;
130071 -	TSS_010276	1000	346	0	3 P	34nt upstream of gene PMM0131;
130794 +	TSS_000649	1000	3266	0	1 Ai	antisense to gene(s) PMM0133;
130945 +	TSS_000652	1000	143	0	0 Ai	antisense to gene(s) PMM0133;
132109 +	TSS_001026	1000	2564	0	3 P	39nt upstream of gene PMM0134;
132594 +	TSS_000675	1000	88	0	0 I	within gene(s) PMM0134;
132850 -	TSS_010283	1000	306	0	0 Ai	antisense to gene(s) PMM0134;
133237 +	TSS_000679	1000	79	0	12 I	within gene(s) PMM0135;
134228 -	TSS_010290	1000	1765	0	6 Ai	antisense to gene(s) PMM0135;
134332 +	TSS_000689	1000	592	0	1 P	17nt upstream of gene PMM0136;
135334 +	TSS_000693	1000	264	0	2 IP	within gene(s) PMM0136; 37nt upstream of gene PMM0137;
136633 +	TSS_000698	1000	89	0	0 I	within gene(s) PMM0138;
139049 +	TSS_000701	1000	304	0	0 P	49nt upstream of gene PMM0142;
139538 -	TSS_010300	1000	62	0	0 IAd	within gene(s) PMM0143; antisense to gene(s) PMM0142 (22nt downstream);
139888 +	TSS_000704	1000	891	0	1 Ai	antisense to gene(s) PMM0143;
140081 -	TSS_010302	1000	623	0	0 I	within gene(s) PMM0143;
140446 -	TSS_010303	1000	129	0	1 P	20nt upstream of gene PMM0143;
141905 -	TSS_010312	1000	534	0	0 P	38nt upstream of gene PMM0144;
141924 +	TSS_000711	1000	249	0	5 P	34nt upstream of gene PMM0145;
142730 -	TSS_010313	1000	52	0	1 Ai	antisense to gene(s) PMM0146;
143021 -	TSS_010320	1000	128	0	2 I	within gene(s) PMM0147;
143488 -	TSS_010323	1000	407	0	3 I	within gene(s) PMM0147;
143883 -	TSS_010331	1000	419	0	12 P	14nt upstream of gene PMM0147;
143931 +	TSS_000726	1000	304	0	3 P	23nt upstream of gene PMM0148;
144023 +	TSS_000727	1000	62	0	0 I	within gene(s) PMM0148;
144701 +	TSS_000732	1000	2018	0	2 P	15nt upstream of gene PMM0149;
144965 +	TSS_000739	1000	311	0	6 I	within gene(s) PMM0149;
145139 +	TSS_000744	1000	105	0	0 I	within gene(s) PMM0149;
145211 +	TSS_000745	1000	259	0	3 I	within gene(s) PMM0149;
145511 +	TSS_000754	1000	272	0	1 I	within gene(s) PMM0149;
145715 +	TSS_000765	1000	208	0	9 I	within gene(s) PMM0149;
146423 -	TSS_010346	1000	280	0	0 Ai	antisense to gene(s) PMM0149;
146611 +	TSS_000783	1000	170	0	1 IP	within gene(s) PMM0149; 202nt upstream of gene PMM0150;
146794 +	TSS_000785	1000	11580	0	2 P	19nt upstream of gene PMM0150;
147332 +	TSS_000792	1000	433	0	0 I	within gene(s) PMM0150;
147731 -	TSS_010351	1000	104	0	1 Ai	antisense to gene(s) PMM0150;
147807 +	TSS_000799	1000	264	0	0 I	within gene(s) PMM0150;
148260 -	TSS_010354	1000	76	0	0 Ai	antisense to gene(s) PMM0150;
148515 +	TSS_000807	1000	268	0	1 P	169nt upstream of gene PMM0151;
149427 +	TSS_000811	1000	423	0	1 P	20nt upstream of gene PMM0152;
150063 +	TSS_000814	1000	62	0	0 I	within gene(s) PMM0152;
150290 +	TSS_000819	1000	302	0	0 I	within gene(s) PMM0152;
150387 -	TSS_010360	1000	218	0	4 Ai	antisense to gene(s) PMM0152;
151109 -	TSS_010365	1000	100	0	4 I	within gene(s) PMM0153;
151121 +	TSS_000823	1000	92	0	0 Ai	antisense to gene(s) PMM0153;
151351 -	TSS_010369	1000	156	0	0 I	within gene(s) PMM0153;
151412 +	TSS_000826	1000	451	0	2 PAi	165nt upstream of gene PMM0154; antisense to gene(s) PMM0153;
151546 -	TSS_010370	1000	165	0	2 P	47nt upstream of gene PMM0153;
151556 +	TSS_000828	1000	1131	0	5 P	21nt upstream of gene PMM0154;
151821 -	TSS_010375	1000	53	0	0 Ai	antisense to gene(s) PMM0154;
152951 -	TSS_010378	1000	92	0	0 I	within gene(s) PMM0156;
153992 -	TSS_010384	1000	56	0	0 IP	within gene(s) PMM0158; 190nt upstream of gene PMM0157;
154617 -	TSS_010397	1000	3746	0	36 IP	within gene(s) PMM0159; 214nt upstream of gene PMM0158;
154964 -	TSS_010404	1000	477	0	0 I	within gene(s) PMM0159;
155061 -	TSS_010406	1000	296	0	5 P	18nt upstream of gene PMM0159;
155927 -	TSS_010409	1000	69	0	3 I	within gene(s) PMM0160;
156247 -	TSS_010412	1000	60	0	4 P	16nt upstream of gene PMM0160;
157478 -	TSS_010426	1000	360	0	0 P	26nt upstream of gene PMM0161;
160552 -	TSS_010442	1000	78	0	1 I	within gene(s) PMM0164;
160684 -	TSS_010443	1000	1278	0	5 P	18nt upstream of gene PMM0164;
161048 +	TSS_000847	1000	460	0	0 P	21nt upstream of gene PMM0166;
162263 -	TSS_010446	1000	478	0	2 P	61nt upstream of gene PMM0167;
162318 +	TSS_000854	1000	1230	0	2 P	21nt upstream of gene PMM0168;
163802 -	TSS_010454	1000	368	0	0 P	32nt upstream of gene PMM0169;
163830 +	TSS_000860	1000	317	0	0 I	within gene(s) PMM0170;
165910 +	TSS_000866	1000	16802	0	3 P	15nt upstream of gene PMM0172;
166112 -	TSS_010459	1000	94	0	2 PAi	226nt upstream of gene PMM0171; antisense to gene(s) PMM0172;
166240 +	TSS_000878	1000	58	0	3 I	within gene(s) PMM0172;
166516 +	TSS_000889	1000	143	0	7 I	within gene(s) PMM0172;
172122 -	TSS_010469	1000	142	0	0 Ai	antisense to gene(s) PMM0177;

173360 -	TSS_010474	1000	543	0	2 P	17nt upstream of gene PMM0179;
173404 +	TSS_000919	1000	1031	0	0 P	16nt upstream of gene PMM0180;
175816 +	TSS_000926	1000	65	0	0 I	within gene(s) PMM0184;
176333 +	TSS_000927	1000	51	0	0 P	11nt upstream of gene PMM0185;
176661 +	TSS_000929	1000	56	0	5 I	within gene(s) PMM0185;
178914 -	TSS_010487	1000	1090	0	2 I	within gene(s) PMM0187;
180315 +	TSS_000932	1000	251	0	0 Ai	antisense to gene(s) PMM0188;
180517 +	TSS_000934	1000	83	0	0 Ai	antisense to gene(s) PMM0188;
182433 -	TSS_010492	1000	529	0	2 PAi	92nt upstream of gene PMM0189; antisense to gene(s) PMM0190;
183419 -	TSS_010494	1000	176	0	0 I	within gene(s) PMM0191;
183523 +	TSS_000939	1000	73	0	0 Ai	antisense to gene(s) PMM0191;
185776 +	TSS_000945	1000	85	0	0 I	within gene(s) PMM0192;
187884 -	TSS_010503	1000	97	0	0 IP	within gene(s) PMM0194; 90nt upstream of gene PMM0193;
188529 +	TSS_000951	1000	53	0	0 Ai	antisense to gene(s) PMM0194;
188865 +	TSS_000952	1000	1101	0	1 P	18nt upstream of gene PMM0195;
189007 +	TSS_000955	1000	379	0	1 I	within gene(s) PMM0195;
189333 +	TSS_000960	1000	71	0	4 I	within gene(s) PMM0195;
193271 -	TSS_010512	1000	64	0	0 IP	within gene(s) PMM0199; 222nt upstream of gene PMM0198;
193821 +	TSS_000977	1000	78	0	0 Ai	antisense to gene(s) PMM0199;
195266 +	TSS_000983	1000	1073	0	0 Ai	antisense to gene(s) PMM0201;
195331 -	TSS_015322	1000	246	0	3 I	within gene(s) PMM0201;
195809 -	TSS_010551	1000	277	0	3 I	within gene(s) PMM0202;
196137 -	TSS_015338	1000	15681	0	5 P	169nt upstream of gene PMM0202;
196509 +	TSS_000993	1000	122	0	1 Ai	antisense to gene(s) PMM0203;
196639 -	TSS_010572	1000	234	0	2 I	within gene(s) PMM0203;
197001 -	TSS_010577	1000	1314	0	1 IP	within gene(s) PMM0204; 133nt upstream of gene PMM0203;
197448 -	TSS_010588	1000	778	0	3 IP	within gene(s) PMM0205; 88nt upstream of gene PMM0204;
197685 +	TSS_001000	1000	213	0	0 Ai	antisense to gene(s) PMM0205;
197771 -	TSS_010596	1000	190	0	0 I	within gene(s) PMM0205;
197876 -	TSS_010601	1000	142	0	5 I	within gene(s) PMM0205;
198069 -	TSS_010604	1000	602	0	4 P	34nt upstream of gene PMM0205;
198181 -	TSS_010608	1000	281	0	0 IP	within gene(s) PMM0206; 146nt upstream of gene PMM0205;
198382 -	TSS_010609	1000	541	0	0 P	33nt upstream of gene PMM0206;
199933 -	TSS_010614	1000	158	0	3 I	within gene(s) PMM0207;
201442 +	TSS_001008	1000	5140	0	2 P	14nt upstream of gene PMM0208;
203219 -	TSS_010628	1000	845	0	0 I	within gene(s) PMM0209;
203802 -	TSS_010630	1000	85	0	0 I	within gene(s) PMM0209;
204777 -	TSS_010634	1000	86	0	1 P	41nt upstream of gene PMM0210;
204910 +	TSS_001026	1000	2073	0	2 P	82nt upstream of gene PMM0211;
205032 +	TSS_001030	1000	94	0	0 I	within gene(s) PMM0211;
205343 +	TSS_001039	1000	66	0	6 I	within gene(s) PMM0211;
205563 -	TSS_010639	1000	186	0	6 Ai	antisense to gene(s) PMM0211;
205900 -	TSS_010646	1000	1325	0	1 Ai	antisense to gene(s) PMM0211;
206424 -	TSS_010649	1000	912	0	2 IP	within gene(s) PMM0213; 172nt upstream of gene PMM0212;
207728 -	TSS_010664	1000	217	0	6 I	within gene(s) PMM0214;
208529 -	TSS_010696	1000	78	0	9 I	within gene(s) PMM0214;
208811 -	TSS_010711	1000	116	0	1 I	within gene(s) PMM0214;
208944 -	TSS_010720	1000	10707	0	4 P	28nt upstream of gene PMM0214;
209113 +	TSS_001064	1000	922	0	1 P	31nt upstream of gene PMM0215;
210185 +	TSS_001070	1000	357	0	1 P	16nt upstream of gene PMM0216;
211988 -	TSS_010727	1000	1002	0	0 Ai	antisense to gene(s) PMM0217;
212046 +	TSS_001076	1000	72	0	1 I	within gene(s) PMM0217;
212115 +	TSS_001078	1000	84	0	1 I	within gene(s) PMM0217;
212245 +	TSS_001079	1000	64	0	0 I	within gene(s) PMM0217;
212936 -	TSS_010728	1000	113	0	0 Ai	antisense to gene(s) PMM0217;
213029 +	TSS_001083	1000	648	0	6 P	33nt upstream of gene PMM0218;
214116 +	TSS_001089	1000	3069	0	5 P	17nt upstream of gene PMM0219;
214675 -	TSS_010733	1000	3234	0	5 P	19nt upstream of gene PMM0220;
216078 +	TSS_001096	1000	128	0	0 I	within gene(s) PMM0222;
216861 +	TSS_001102	1000	16843	0	17 I	within gene(s) PMM0223;
216760 +	TSS_001698	1000		0	0 P	47nt upstream of gene PMM0223;
217169 -	TSS_010742	1000	2501	0	1 Ai	antisense to gene(s) PMM0223;
217978 +	TSS_001129	1000	2371	0	3 P	24nt upstream of gene PMM0224;
218599 +	TSS_001138	1000	202	0	10 I	within gene(s) PMM0224;
218695 +	TSS_001143	1000	201	0	1 I	within gene(s) PMM0224;
219844 +	TSS_001149	1000	666	0	1 Ai	antisense to gene(s) PMM0226;
220009 +	TSS_001153	1000	611	0	6 Ai	antisense to gene(s) PMM0226;
220578 -	TSS_010821	1000	593	0	18 I	within gene(s) PMM0226;
221070 -	TSS_010850	1000	169	0	2 I	within gene(s) PMM0226;
221154 -	TSS_010854	1000	589	0	3 I	within gene(s) PMM0226;
221632 -	TSS_010866	1000	5770	0	12 P	16nt upstream of gene PMM0226;
221701 +	TSS_001171	1000	122	0	0 Ai	antisense to gene(s) PMM0227;
221978 +	TSS_001174	1000	458	0	0 Ai	antisense to gene(s) PMM0227;
222262 -	TSS_010876	1000	74	0	0 I	within gene(s) PMM0227;
223299 -	TSS_010889	1000	225	0	28 I	within gene(s) PMM0228;
223578 -	TSS_010913	1000	494	0	7 I	within gene(s) PMM0228;
223706 -	TSS_010918	1000	866	0	0 I	within gene(s) PMM0228;
223847 -	TSS_010919	1000	1197	0	1 P	140nt upstream of gene PMM0228;
225576 +	TSS_001186	1000	1117	0	0 P	14nt upstream of gene PMM0231;
225783 +	TSS_001189	1000	220	0	0 P	26nt upstream of gene PMM0232;
226315 -	TSS_010924	1000	121	0	0 I	within gene(s) PMM0233;

227265 -	TSS_010927	1000	85	0	0 IP	within gene(s) PMM0234; 96nt upstream of gene PMM0233;
227959 +	TSS_001192	1000	1231	0	0 P	28nt upstream of gene PMM0235;
228417 +	TSS_001194	1000	95	0	0 O	-
228961 +	TSS_001199	1000	81	0	2 O	-
229314 -	TSS_010935	1000	128	0	0 O	-
229472 +	TSS_001204	1000	207	0	0 P	167nt upstream of gene PMM0237;
230878 -	TSS_010938	1000	434	0	3 Ai	antisense to gene(s) PMM0238;
232150 +	TSS_001222	1000	137	0	0 I	within gene(s) PMM0238;
232913 -	TSS_010944	1000	63	0	0 Ai	antisense to gene(s) PMM0238;
233913 -	TSS_010946	1000	106	0	2 P	20nt upstream of gene PMM0239;
236862 -	TSS_010951	1000	63	0	0 I	within gene(s) PMM0243;
237372 -	TSS_010954	1000	80	0	1 IP	within gene(s) PMM0244; 48nt upstream of gene PMM0243;
237523 -	TSS_010958	1000	1664	0	3 IP	within gene(s) PMM0244; 199nt upstream of gene PMM0243;
237737 -	TSS_010959	1000	345	0	0 I	within gene(s) PMM0244;
238520 -	TSS_010963	1000	460	0	1 P	20nt upstream of gene PMM0245;
238693 +	TSS_001232	1000	1260	0	3 P	12nt upstream of gene PMM0246;
239672 -	TSS_010966	1000	74	0	3 Ai	antisense to gene(s) PMM0247;
241176 -	TSS_010968	1000	95	0	0 IP	within gene(s) PMM0250; 35nt upstream of gene PMM0249;
242059 +	TSS_001240	1000	194	0	0 PAi	162nt upstream of gene PMM0252; antisense to gene(s) PMM0251;
242165 -	TSS_010971	1000	530	0	4 P	24nt upstream of gene PMM0251;
242185 +	TSS_001242	1000	1788	0	2 P	36nt upstream of gene PMM0252;
242483 +	TSS_001247	1000	1075	0	1 P	19nt upstream of gene PMM0253;
244978 +	TSS_001253	1000	160	0	5 Ai	antisense to gene(s) PMM0255;
245524 -	TSS_010978	1000	546	0	10 IP	within gene(s) PMM0256; 219nt upstream of gene PMM0255;
245888 -	TSS_010986	1000	79	0	2 I	within gene(s) PMM0256;
246248 +	TSS_001257	1000	4605	0	1 Ai	antisense to gene(s) PMM0256;
246731 -	TSS_010992	1000	2359	0	5 IP	within gene(s) PMM0257; 20nt upstream of gene PMM0256;
248216 -	TSS_010997	1000	99	0	0 IP	within gene(s) PMM0258; 190nt upstream of gene PMM0257;
249284 -	TSS_011022	1000	2346	0	4 P	18nt upstream of gene PMM0258;
249485 +	TSS_001272	1000	396	0	2 P	22nt upstream of gene PMM0259;
251358 +	TSS_001276	1000	187	0	3 Ai	antisense to gene(s) PMM0261;
252586 +	TSS_002398	1000	675283	0	8 P	46nt upstream of gene PMM0263;
253836 +	TSS_001391	1000	2712	0	1 I	within gene(s) PMM0263;
254003 -	TSS_011074	1000	7765	0	8 Ai	antisense to gene(s) PMM0263;
254183 +	TSS_001403	1000	591	0	5 I	within gene(s) PMM0264;
254564 -	TSS_011083	1000	126	0	1 Ai	antisense to gene(s) PMM0264;
255509 +	TSS_001406	1000	161	0	1 I	within gene(s) PMM0265;
256772 +	TSS_001443	1000	134	0	0 Ai	antisense to gene(s) PMM0266;
258297 +	TSS_001451	1000	100	0	1 Ai	antisense to gene(s) PMM0268;
258478 -	TSS_011103	1000	304	0	0 I	within gene(s) PMM0268;
258539 +	TSS_001454	1000	363	0	0 Ai	antisense to gene(s) PMM0268;
258613 -	TSS_011109	1000	85	0	3 P	9nt upstream of gene PMM0268;
260372 +	TSS_001460	1000	72	0	2 Ai	antisense to gene(s) PMM0270;
261052 -	TSS_011117	1000	68	0	0 Ai	antisense to gene(s) PMM0271;
261925 +	TSS_001470	1000	7899	0	4 P	23nt upstream of gene PMM0272;
263126 -	TSS_011124	1000	772	0	4 P	19nt upstream of gene PMM0273;
263543 +	TSS_001475	1000	448	0	0 Ai	antisense to gene(s) PMM0274;
264013 +	TSS_001476	1000	93	0	0 Ai	antisense to gene(s) PMM0274;
264561 -	TSS_011131	1000	229	0	0 P	135nt upstream of gene PMM0274;
264640 +	TSS_001478	1000	253	0	2 P	18nt upstream of gene PMM0275;
265763 +	TSS_001487	1000	167	0	1 I	within gene(s) PMM0276;
267539 +	TSS_001490	1000	95	0	3 P	28nt upstream of gene PMM0278;
268849 +	TSS_001492	1000	84	0	0 IP	within gene(s) PMM0278; 175nt upstream of gene PMM0279;
269162 +	TSS_001495	1000	345	0	1 I	within gene(s) PMM0279;
271937 -	TSS_011165	1000	474	0	0 IP	within gene(s) PMM0282; 173nt upstream of gene PMM0281;
272570 -	TSS_011176	1000	105	0	1 P	3nt upstream of gene PMM0282;
273322 +	TSS_001508	1000	364	0	3 I	within gene(s) PMM0284;
274872 -	TSS_011187	1000	332	0	0 I	within gene(s) PMM0285;
274917 -	TSS_011188	1000	141	0	0 I	within gene(s) PMM0285;
277117 +	TSS_001517	1000	529	0	0 P	54nt upstream of gene PMM0288;
280333 -	TSS_011208	1000	1997	0	2 IP	within gene(s) PMM0290; 149nt upstream of gene PMM0289;
281326 -	TSS_011214	1000	124	0	3 Ai	antisense to gene(s) PMM0291;
282038 -	TSS_011218	1000	118	0	4 Ai	antisense to gene(s) PMM0291;
283519 -	TSS_011230	1000	337	0	13 I	within gene(s) PMM0293;
283811 -	TSS_011244	1000	4203	0	0 IP	within gene(s) PMM0294; 52nt upstream of gene PMM0293;
283904 -	TSS_011248	1000	2807	0	2 IP	within gene(s) PMM0294; 145nt upstream of gene PMM0293;
284183 -	TSS_011252	1000	397	0	10 P	57nt upstream of gene PMM0294;
284302 -	TSS_011256	1000	6652	0	2 PAi	176nt upstream of gene PMM0294; antisense to gene(s) PMM0295;
284638 +	TSS_001556	1000	2702	0	2 I	within gene(s) PMM0296;
284851 +	TSS_001562	1000	442	0	7 I	within gene(s) PMM0296;
285370 +	TSS_001581	1000	155	0	5 I	within gene(s) PMM0296;
285545 -	TSS_011267	1000	176	0	1 Ai	antisense to gene(s) PMM0296;
285768 +	TSS_001585	1000	48936	0	2 P	9nt upstream of gene PMM0297;
286270 +	TSS_001643	1000	1398	0	30 IP	within gene(s) PMM0299; 48nt upstream of gene PMM0300;
286877 +	TSS_001653	1000	190	0	1 Ai	antisense to gene(s) PMM0301;
287552 -	TSS_011282	1000	959	0	0 PAi	83nt upstream of gene PMM0301; antisense to gene(s) PMM0302;
287702 -	TSS_011284	1000	576	0	4 PAi	233nt upstream of gene PMM0301; antisense to gene(s) PMM0302;
290102 +	TSS_001663	1000	332	0	3 Ai	antisense to gene(s) PMM0303;
290195 +	TSS_001664	1000	87	0	0 Ai	antisense to gene(s) PMM0303;
291235 -	TSS_011289	1000	111	0	0 I	within gene(s) PMM0304;
291317 -	TSS_011290	1000	170	0	0 I	within gene(s) PMM0304;

291416 -	TSS_011292	1000	98	0	2 I	within gene(s) PMM0304;
293682 +	TSS_001668	1000	951	0	3 P	28nt upstream of gene PMM0305;
294128 -	TSS_011301	1000	292	0	1 Ai	antisense to gene(s) PMM0305;
299042 -	TSS_011346	1000	6681	0	2 P	18nt upstream of gene PMM0311;
299836 -	TSS_011375	1000	166	0	0 I	within gene(s) PMM0312;
299950 -	TSS_011379	1000	203	0	3 I	within gene(s) PMM0312;
300325 -	TSS_011387	1000	6461	0	10 P	75nt upstream of gene PMM0312;
300858 -	TSS_011395	1000	4734	0	12 P	21nt upstream of gene PMM0313;
301297 -	TSS_011414	1000	659	0	22 I	within gene(s) PMM0315;
302182 -	TSS_011494	1000	3713	0	30 I	within gene(s) PMM0315;
302461 -	TSS_011536	1000	642	0	0 I	within gene(s) PMM0315;
302478 -	TSS_011538	1000	174	0	3 I	within gene(s) PMM0315;
303244 -	TSS_011541	1000	161	0	6 O	-
303256 +	TSS_001736	1000	4531	0	18 P	24nt upstream of gene PMM0317;
305168 -	TSS_011548	1000	65	0	0 O	-
305442 -	TSS_011552	1000	230	0	0 I	within gene(s) PMM0320;
305727 -	TSS_011557	1000	650	0	3 IP	within gene(s) PMM0321; 174nt upstream of gene PMM0320;
306386 -	TSS_011563	1000	1272	0	2 P	15nt upstream of gene PMM0321;
308758 +	TSS_001762	1000	10947	0	3 Ai	antisense to gene(s) PMM0324;
309008 +	TSS_001770	1000	428	0	0 Ai	antisense to gene(s) PMM0324;
309678 -	TSS_011589	1000	168	0	0 I	within gene(s) PMM0324;
309757 -	TSS_011590	1000	319	0	0 P	22nt upstream of gene PMM0324;
309786 +	TSS_002869	1000	28462	0	3 P	20nt upstream of gene PMM0325;
309929 -	TSS_011593	1000	9342	0	2 PAi	194nt upstream of gene PMM0324; antisense to gene(s) PMM0325;
310023 +	TSS_001792	1000	1007	0	0 I	within gene(s) PMM0325;
310271 +	TSS_001806	1000	539	0	6 IP	within gene(s) PMM0325; 234nt upstream of gene PMM0326;
310480 +	TSS_001811	1000	586	0	2 P	25nt upstream of gene PMM0326;
310880 +	TSS_001841	1000	192	0	12 I	within gene(s) PMM0326;
312446 -	TSS_011641	1000	1935	0	3 P	16nt upstream of gene PMM0327;
312554 +	TSS_001856	1000	4102	0	0 O	-
312728 +	TSS_001864	1000	0	0	1 O	-
312873 -	TSS_011643	1000	1112	0	1 O	-
313029 +	TSS_001866	1000	0	0	15 O	-
313374 -	TSS_011647	1000	131	0	1 O	-
313530 +	TSS_001906	1000	0	0	0 O	-
314529 -	TSS_011662	1000	4028	0	3 O	-
314959 +	TSS_001927	1000	1712	0	0 O	-
315080 +	TSS_001928	1000	0	0	12 O	-
315603 +	TSS_002008	1000	0	0	5 O	-
315856 +	TSS_002023	1000	0	0	2 O	-
316009 +	TSS_002038	1000	0	0	0 O	-
316065 -	TSS_011685	1000	216	0	5 O	-
316220 -	TSS_011688	1000	511	0	4 O	-
316340 -	TSS_011698	1000	260	0	4 O	-
318015 +	TSS_002127	1000	0	0	0 O	-
319130 +	TSS_002134	1000	1196	0	2 Ai	antisense to gene(s) PMM0329;
319267 -	TSS_011744	1000	282	0	0 P	0nt upstream of gene PMM0329;
320607 +	TSS_002137	1000	97	0	0 Ai	antisense to gene(s) PMM0331;
322362 +	TSS_002140	1000	185	0	0 P	0nt upstream of gene PMM0333;
323615 -	TSS_011757	1000	389	0	5 P	16nt upstream of gene PMM0334;
324251 -	TSS_011760	1000	14126	0	4 O	-
324470 -	TSS_011765	1000	3377	0	4 O	-
324585 +	TSS_002150	1000	178	0	6 P	17nt upstream of gene PMM0335;
324964 +	TSS_002154	1000	1073	0	1 I	within gene(s) PMM0335;
325557 -	TSS_011801	1000	34119	0	3 P	15nt upstream of gene PMM0336;
325983 +	TSS_002164	1000	199	0	2 O	-
326712 +	TSS_002166	1000	229	0	0 O	-
327570 -	TSS_011815	1000	5891	0	2 O	-
327681 +	TSS_002169	1000	484	0	1 Ai	antisense to gene(s) PMM0339;
327887 +	TSS_002171	1000	97	0	0 Ai	antisense to gene(s) PMM0339;
328681 -	TSS_011822	1000	307	0	6 I	within gene(s) PMM0339;
329348 -	TSS_011824	1000	257	0	0 P	157nt upstream of gene PMM0339;
330221 -	TSS_011826	1000	212	0	0 P	15nt upstream of gene PMM0341;
330306 +	TSS_002175	1000	1611	0	1 P	35nt upstream of gene PMM0342;
330978 -	TSS_011829	1000	446	0	1 O	-
332301 +	TSS_002182	1000	268	0	1 P	16nt upstream of gene PMM0345;
332821 +	TSS_002189	1000	2477	0	2 I	within gene(s) PMM0346;
333569 -	TSS_011839	1000	239	0	0 P	108nt upstream of gene PMM0347;
333733 +	TSS_002192	1000	143	0	0 Ai	antisense to gene(s) PMM0348;
339021 +	TSS_002200	1000	546	0	1 P	18nt upstream of gene PMM0355;
339316 -	TSS_011847	1000	296	0	0 Ai	antisense to gene(s) PMM0355;
339953 +	TSS_003938	1000	95434	0	2 O	-
340175 -	TSS_011851	1000	192	0	0 O	-
340326 +	TSS_002204	1000	438	0	2 I	within gene(s) PMM0356;
341457 -	TSS_011856	1000	135	0	1 O	-
343466 +	TSS_002212	1000	151	0	3 O	-
345398 +	TSS_002219	1000	160	0	3 P	22nt upstream of gene PMM0363;
346662 +	TSS_002220	1000	95	0	0 O	-
346829 +	TSS_002222	1000	176	0	3 O	-
347280 +	TSS_002225	1000	5099	0	3 P	16nt upstream of gene PMM0364;
348066 -	TSS_011864	1000	1151	0	1 P	21nt upstream of gene PMM0365;

348206 +	TSS_002232	1000	563	0	5 P	17nt upstream of gene PMM0366;
348397 +	TSS_002235	1000	341	0	1 I	within gene(s) PMM0366;
348935 +	TSS_002238	1000	359	0	1 P	33nt upstream of gene PMM0367;
349333 -	TSS_011870	1000	219	0	3 Ai	antisense to gene(s) PMM0367;
349634 -	TSS_011872	1000	165	0	0 I	within gene(s) PMM0368;
349709 -	TSS_011873	1000	682	0	1 P	18nt upstream of gene PMM0368;
350069 -	TSS_011876	1000	1063	0	1 O	-
350388 +	TSS_002240	1000	243	0	1 O	-
350523 -	TSS_017092	1000	63541	0	4 O	-
351169 -	TSS_017097	1000	48923	0	6 O	-
352103 -	TSS_011884	1000	480	0	2 O	-
352188 +	TSS_002246	1000	2373	0	2 P	7nt upstream of gene PMM0369;
352957 +	TSS_002248	1000	296	0	0 P	18nt upstream of gene PMM0370;
353529 -	TSS_011888	1000	366	0	0 Ai	antisense to gene(s) PMM0370;
353732 -	TSS_011889	1000	692	0	1 Ai	antisense to gene(s) PMM0370;
354451 +	TSS_002273	1000	145	0	9 IP	within gene(s) PMM0370; 240nt upstream of gene PMM0371;
355412 -	TSS_011898	1000	331	0	0 Ai	antisense to gene(s) PMM0371;
356060 -	TSS_011899	1000	209	0	0 Ai	antisense to gene(s) PMM0372;
358183 -	TSS_011906	1000	1234	0	2 P	16nt upstream of gene PMM0377;
358512 -	TSS_011910	1000	11510	0	2 P	22nt upstream of gene PMM0378;
358753 -	TSS_011913	1000	8779	0	2 O	-
359627 -	TSS_011915	1000	1013	0	0 O	-
359991 -	TSS_011917	1000	2314	0	3 P	20nt upstream of gene PMM0379;
361663 +	TSS_002289	1000	391	0	0 O	-
362873 -	TSS_011924	1000	1352	0	3 P	140nt upstream of gene PMM0383;
366442 -	TSS_011935	1000	128	0	7 O	-
366522 -	TSS_011940	1000	1689	0	2 O	-
367091 -	TSS_011943	1000	115	0	0 I	within gene(s) PMM0386;
367935 -	TSS_011945	1000	498	0	0 O	-
368274 +	TSS_002313	1000	941	0	2 O	-
368514 -	TSS_011949	1000	328	0	4 O	-
368596 +	TSS_002315	1000	87	0	5 P	17nt upstream of gene PMM0387;
370969 +	TSS_002323	1000	3064	0	2 P	24nt upstream of gene PMM0391;
373282 +	TSS_002330	1000	81	0	1 IP	within gene(s) PMM0392; 19nt upstream of gene PMM0393;
374270 +	TSS_002333	1000	825	0	0 P	97nt upstream of gene PMM0395;
376105 +	TSS_002366	1000	125	0	1 Ai	antisense to gene(s) PMM0397;
376934 -	TSS_011976	1000	84	0	0 P	15nt upstream of gene PMM0397;
377675 -	TSS_011978	1000	184	0	1 I	within gene(s) PMM0398;
379061 -	TSS_011982	1000	140	0	2 P	24nt upstream of gene PMM0400;
380710 -	TSS_011986	1000	122	0	0 Ai	antisense to gene(s) PMM0402;
381726 +	TSS_002375	1000	3754	0	2 P	14nt upstream of gene PMM0403;
383585 +	TSS_002386	1000	10865	0	4 P	85nt upstream of gene PMM0405;
384035 -	TSS_011991	1000	399	0	1 Ai	antisense to gene(s) PMM0405;
384162 +	TSS_002423	1000	139	0	3 I	within gene(s) PMM0405;
384519 +	TSS_002440	1000	436	0	3 I	within gene(s) PMM0405;
384720 +	TSS_002453	1000	370	0	0 I	within gene(s) PMM0405;
385716 +	TSS_002462	1000	484	0	0 I	within gene(s) PMM0406;
386603 +	TSS_002473	1000	1902	0	1 Ai	antisense to gene(s) PMM0407;
387042 -	TSS_012107	1000	862	0	15 I	within gene(s) PMM0407;
387181 -	TSS_012119	1000	424	0	3 P	24nt upstream of gene PMM0407;
390631 +	TSS_002497	1000	179	0	3 P	26nt upstream of gene PMM0411;
392813 +	TSS_002502	1000	403	0	2 P	15nt upstream of gene PMM0414;
395057 +	TSS_002504	1000	143	0	0 Ai	antisense to gene(s) PMM0416;
395539 -	TSS_012147	1000	1626	0	3 P	16nt upstream of gene PMM0416;
395864 -	TSS_017469	1000	20465	0	5 O	-
396587 +	TSS_002510	1000	72	0	0 P	42nt upstream of gene PMM0419;
398147 +	TSS_002515	1000	1393	0	2 P	32nt upstream of gene PMM0420;
398719 +	TSS_002519	1000	246	0	3 I	within gene(s) PMM0420;
401612 -	TSS_012156	1000	645	0	0 P	18nt upstream of gene PMM0422;
401747 +	TSS_002529	1000	7194	0	3 O	-
401864 -	TSS_012160	1000	125	0	1 O	-
402007 -	TSS_012161	1000	187	0	0 O	-
404138 +	TSS_002533	1000	141	0	0 I	within gene(s) PMM0425;
405550 +	TSS_002534	1000	158	0	0 I	within gene(s) PMM0426;
408258 -	TSS_012169	1000	138	0	1 IP	within gene(s) PMM0428; 237nt upstream of gene PMM0427;
409230 -	TSS_012179	1000	420	0	3 P	20nt upstream of gene PMM0429;
409244 +	TSS_002543	1000	111	0	0 P	26nt upstream of gene PMM0430;
409562 -	TSS_012181	1000	285	0	0 Ai	antisense to gene(s) PMM0430;
412935 +	TSS_002549	1000	210	0	2 Ai	antisense to gene(s) PMM0435;
413484 +	TSS_002552	1000	428	0	3 Ai	antisense to gene(s) PMM0435;
414359 -	TSS_012204	1000	1149	0	2 P	44nt upstream of gene PMM0435;
414382 +	TSS_002557	1000	683	0	2 P	102nt upstream of gene PMM0436;
417856 +	TSS_002587	1000	162	0	0 I	within gene(s) PMM0438;
419521 -	TSS_012215	1000	456	0	1 Ai	antisense to gene(s) PMM0440;
422795 -	TSS_012227	1000	734	0	6 P	16nt upstream of gene PMM0443;
424880 -	TSS_012273	1000	606	0	6 I	within gene(s) PMM0445;
425395 -	TSS_012287	1000	261	0	0 I	within gene(s) PMM0446;
426162 +	TSS_002616	1000	346	0	1 P	8nt upstream of gene PMM0447;
427279 +	TSS_002626	1000	124	0	2 I	within gene(s) PMM0448;
427561 +	TSS_002632	1000	123	0	3 I	within gene(s) PMM0448;
430126 +	TSS_002652	1000	298	0	5 I	within gene(s) PMM0451;

431182 -	TSS_012320	1000	189	0	9 I	within gene(s) PMM0452;
432210 -	TSS_012388	1000	345	0	0 I	within gene(s) PMM0452;
432317 -	TSS_012391	1000	3818	0	3 P	16nt upstream of gene PMM0452;
432436 +	TSS_002676	1000	193	0	0 O	-
433380 -	TSS_012398	1000	277	0	5 P	16nt upstream of gene PMM0453;
433437 +	TSS_002678	1000	681	0	0 P	21nt upstream of gene PMM0454;
433825 -	TSS_012402	1000	270	0	0 Ai	antisense to gene(s) PMM0454;
433897 +	TSS_002683	1000	195	0	2 I	within gene(s) PMM0454;
435917 -	TSS_012408	1000	365	0	0 P	19nt upstream of gene PMM0456;
437733 +	TSS_002696	1000	161	0	0 Ai	antisense to gene(s) PMM0458;
440050 -	TSS_012418	1000	127	0	9 IP	within gene(s) PMM0461; 245nt upstream of gene PMM0460;
440245 -	TSS_012428	1000	148	0	21 I	within gene(s) PMM0461;
440885 -	TSS_012474	1000	209	0	9 IP	within gene(s) PMM0462; 115nt upstream of gene PMM0461;
441185 -	TSS_012492	1000	197	0	2 I	within gene(s) PMM0462;
441340 -	TSS_012497	1000	1346	0	3 P	29nt upstream of gene PMM0462;
442840 -	TSS_012506	1000	3010	0	5 P	17nt upstream of gene PMM0465;
444471 +	TSS_002717	1000	147	0	0 PAi	157nt upstream of gene PMM0467; antisense to gene(s) PMM0466;
444597 -	TSS_012512	1000	148	0	1 P	44nt upstream of gene PMM0466;
445213 +	TSS_002721	1000	329	0	1 Ai	antisense to gene(s) PMM0468;
445961 -	TSS_012568	1000	42134	0	4 P	42nt upstream of gene PMM0469;
445980 +	TSS_002728	1000	326	0	1 P	14nt upstream of gene PMM0470;
446903 +	TSS_002738	1000	282	0	0 IP	within gene(s) PMM0470; 167nt upstream of gene PMM0471;
447162 -	TSS_012578	1000	84	0	1 Ai	antisense to gene(s) PMM0471;
447381 +	TSS_002740	1000	1595	0	4 P	29nt upstream of gene PMM0472;
447456 +	TSS_002741	1000	109	0	0 I	within gene(s) PMM0472;
450442 +	TSS_002748	1000	118	0	1 Ai	antisense to gene(s) PMM0474;
450629 -	TSS_012595	1000	2108	0	1 P	148nt upstream of gene PMM0474;
450716 -	TSS_017932	1000	8153	0	3 IP	within gene(s) PMM0475; 235nt upstream of gene PMM0474;
450872 +	TSS_002751	1000	241	0	2 Ai	antisense to gene(s) PMM0475;
450998 +	TSS_002752	1000	431	0	2 Ai	antisense to gene(s) PMM0475;
451134 -	TSS_017945	1000	7945	0	8 P	4nt upstream of gene PMM0475;
451442 +	TSS_002758	1000	466	0	4 PAi	101nt upstream of gene PMM0477; antisense to gene(s) PMM0476;
451913 +	TSS_002787	1000	1357	0	1 I	within gene(s) PMM0477;
452132 +	TSS_002801	1000	10970	0	2 I	within gene(s) PMM0477;
453136 -	TSS_012625	1000	219	0	6 P	44nt upstream of gene PMM0478;
453247 +	TSS_002806	1000	973	0	2 P	22nt upstream of gene PMM0479;
453732 -	TSS_012630	1000	280	0	0 Ai	antisense to gene(s) PMM0479;
454387 +	TSS_002819	1000	959	0	3 P	17nt upstream of gene PMM0480;
454968 +	TSS_002822	1000	184	0	4 P	16nt upstream of gene PMM0481;
455492 +	TSS_002823	1000	188	0	0 O	-
455674 -	TSS_012639	1000	138	0	6 O	-
456144 -	TSS_012645	1000	259	0	2 Ai	antisense to gene(s) PMM0482;
456226 +	TSS_002836	1000	161	0	18 I	within gene(s) PMM0482;
456319 +	TSS_002848	1000	203	0	12 I	within gene(s) PMM0482;
456568 +	TSS_002853	1000	265	0	1 I	within gene(s) PMM0482;
456940 +	TSS_002855	1000	330	0	3 Ai	antisense to gene(s) PMM0483;
457405 +	TSS_002861	1000	730	0	2 Ai	antisense to gene(s) PMM0483;
457551 +	TSS_002863	1000	155	0	1 Ai	antisense to gene(s) PMM0483;
457755 -	TSS_012661	1000	112	0	2 I	within gene(s) PMM0483;
457975 -	TSS_012667	1000	2080	0	5 P	36nt upstream of gene PMM0483;
459029 -	TSS_012678	1000	399	0	0 P	17nt upstream of gene PMM0484;
459043 +	TSS_002866	1000	155	0	0 P	42nt upstream of gene PMM0485;
460033 +	TSS_002869	1000	103	0	3 P	60nt upstream of gene PMM0487;
465379 -	TSS_012690	1000	112	0	0 IP	within gene(s) PMM0492; 125nt upstream of gene PMM0491;
465840 +	TSS_002882	1000	663	0	3 P	16nt upstream of gene PMM0493;
466192 +	TSS_002884	1000	1020	0	2 I	within gene(s) PMM0493;
466610 +	TSS_002887	1000	157	0	0 I	within gene(s) PMM0493;
467409 +	TSS_002890	1000	172	0	1 P	15nt upstream of gene PMM0494;
467553 +	TSS_002893	1000	517	0	2 I	within gene(s) PMM0494;
467736 +	TSS_002903	1000	162	0	3 I	within gene(s) PMM0494;
468497 -	TSS_012700	1000	779	0	2 I	within gene(s) PMM0495;
469000 -	TSS_012706	1000	421	0	0 P	32nt upstream of gene PMM0495;
470267 -	TSS_012736	1000	2387	0	2 P	14nt upstream of gene PMM0496;
474859 -	TSS_012746	1000	557	0	0 IP	within gene(s) PMM0500; 37nt upstream of gene PMM0499;
475324 -	TSS_012748	1000	438	0	4 I	within gene(s) PMM0500;
475534 -	TSS_012752	1000	269	0	0 PAi	170nt upstream of gene PMM0500; antisense to gene(s) PMM0501;
475685 +	TSS_002923	1000	962	0	10 Ai	antisense to gene(s) PMM0502;
475749 +	TSS_002929	1000	2416	0	4 Ai	antisense to gene(s) PMM0502;
476045 -	TSS_012758	1000	632	0	0 P	16nt upstream of gene PMM0502;
476529 +	TSS_002933	1000	128	0	0 I	within gene(s) PMM0503;
477868 +	TSS_002935	1000	111	0	4 Ai	antisense to gene(s) PMM0505;
479542 -	TSS_012772	1000	602	0	2 P	26nt upstream of gene PMM0506;
479651 -	TSS_012773	1000	152	0	0 IP	within gene(s) PMM0507; 135nt upstream of gene PMM0506;
480066 -	TSS_012777	1000	257	0	3 IP	within gene(s) PMM0508; 31nt upstream of gene PMM0507;
481882 -	TSS_012791	1000	609	0	1 P	18nt upstream of gene PMM0508;
482442 +	TSS_002949	1000	2447	0	2 P	36nt upstream of gene PMM0510;
483044 -	TSS_012794	1000	112	0	2 Ai	antisense to gene(s) PMM0511;
483869 +	TSS_002954	1000	397	0	3 I	within gene(s) PMM0513;
486912 -	TSS_012803	1000	901	0	5 P	21nt upstream of gene PMM0515;
487573 +	TSS_002964	1000	112	0	0 I	within gene(s) PMM0516;
490430 +	TSS_002967	1000	180	0	2 I	within gene(s) PMM0518;

490706 +	TSS_005262	1000	3641	0	0 P	20nt upstream of gene PMM0519;
491974 -	TSS_012815	1000	183	0	0 I	within gene(s) PMM0520;
493398 -	TSS_012821	1000	246	0	3 I	within gene(s) PMM0521;
493513 -	TSS_012824	1000	330	0	0 IP	within gene(s) PMM0522; 82nt upstream of gene PMM0521;
493630 +	TSS_003004	1000	312	0	3 Ai	antisense to gene(s) PMM0522;
493755 +	TSS_003006	1000	140	0	0 Ai	antisense to gene(s) PMM0522;
493996 -	TSS_012831	1000	162	0	3 I	within gene(s) PMM0522;
494177 -	TSS_018185	1000	874	0	0 P	13nt upstream of gene PMM0522;
494529 +	TSS_003010	1000	264	0	0 Ai	antisense to gene(s) PMM0523;
495001 -	TSS_012835	1000	664	0	8 P	12nt upstream of gene PMM0523;
496211 +	TSS_003015	1000	1955	0	3 P	44nt upstream of gene PMM0525;
497254 +	TSS_003020	1000	235	0	6 I	within gene(s) PMM0525;
497550 +	TSS_003023	1000	3501	0	2 P	15nt upstream of gene PMM0526;
498247 +	TSS_003041	1000	101	0	6 I	within gene(s) PMM0526;
498643 +	TSS_003048	1000	305	0	0 I	within gene(s) PMM0526;
498964 -	TSS_012850	1000	189	0	2 Ai	antisense to gene(s) PMM0526;
499089 +	TSS_003081	1000	183	0	30 I	within gene(s) PMM0526;
502682 -	TSS_012876	1000	1321	0	3 P	24nt upstream of gene PMM0530;
503609 +	TSS_003095	1000	177	0	3 P	22nt upstream of gene PMM0532;
503597 +	TSS_005527	1000	2652	0	1 P	34nt upstream of gene PMM0532;
504428 +	TSS_003118	1000	339	0	5 P	29nt upstream of gene PMM0533;
504905 +	TSS_003122	1000	86	0	4 I	within gene(s) PMM0533;
505257 -	TSS_012884	1000	167	0	0 Ai	antisense to gene(s) PMM0533;
505261 +	TSS_003125	1000	504	0	10 IP	within gene(s) PMM0533; 240nt upstream of gene PMM0534;
505757 +	TSS_003131	1000	110	0	0 I	within gene(s) PMM0534;
506152 +	TSS_003135	1000	244	0	0 I	within gene(s) PMM0534;
507310 +	TSS_003138	1000	694	0	1 P	62nt upstream of gene PMM0536;
508770 -	TSS_012890	1000	186	0	0 I	within gene(s) PMM0537;
510847 +	TSS_003160	1000	824	0	2 P	19nt upstream of gene PMM0540;
511407 +	TSS_003164	1000	182	0	0 P	58nt upstream of gene PMM0542;
512853 +	TSS_003171	1000	3986	0	2 Ai	antisense to gene(s) PMM0543;
513385 -	TSS_012942	1000	8922	0	5 P	24nt upstream of gene PMM0543;
513547 +	TSS_003178	1000	138	0	0 Ad	antisense to gene(s) PMM0544 (7nt downstream);
514356 -	TSS_013001	1000	774	0	12 I	within gene(s) PMM0544;
515091 -	TSS_013055	1000	668	0	16 I	within gene(s) PMM0544;
515379 -	TSS_013097	1000	428	0	34 IP	within gene(s) PMM0545; 246nt upstream of gene PMM0544;
516192 -	TSS_013197	1000	1600	0	5 I	within gene(s) PMM0545;
516933 -	TSS_018536	1000		0	13 P	15nt upstream of gene PMM0546;
518401 -	TSS_013222	1000	240	0	6 P	18nt upstream of gene PMM0548;
518681 +	TSS_005665	1000	90415	0	2 P	44nt upstream of gene PMM0549;
519993 +	TSS_003307	1000	1684	0	3 I	within gene(s) PMM0550;
520175 -	TSS_013242	1000	197	0	0 Ai	antisense to gene(s) PMM0550;
520224 +	TSS_003313	1000	774	0	1 I	within gene(s) PMM0550;
520384 -	TSS_013247	1000	626	0	0 Ai	antisense to gene(s) PMM0550;
521962 -	TSS_013260	1000	138	0	4 Ai	antisense to gene(s) PMM0552;
522659 +	TSS_003383	1000	235	0	6 I	within gene(s) PMM0552;
523106 -	TSS_013277	1000	249	0	11 Ai	antisense to gene(s) PMM0552;
524269 -	TSS_013293	1000	136	0	0 Ai	antisense to gene(s) PMM0553;
524632 -	TSS_013297	1000	3384	0	2 Ai	antisense to gene(s) PMM0553;
524738 +	TSS_003406	1000	279	0	0 IP	within gene(s) PMM0553; 124nt upstream of gene PMM0554;
524791 +	TSS_003407	1000	1399	0	0 IP	within gene(s) PMM0553; 71nt upstream of gene PMM0554;
525973 -	TSS_013307	1000	6781	0	4 P	18nt upstream of gene PMM0557;
526448 -	TSS_013314	1000	1398	0	2 P	15nt upstream of gene PMM0558;
527220 +	TSS_003425	1000	2993	0	1 P	22nt upstream of gene PMM0560;
528660 +	TSS_003433	1000	119	0	2 I	within gene(s) PMM0561;
529035 +	TSS_003439	1000	307	0	4 I	within gene(s) PMM0561;
529358 +	TSS_003440	1000	123	0	4 I	within gene(s) PMM0561;
531559 -	TSS_013327	1000	130	0	0 P	40nt upstream of gene PMM0564;
531701 +	TSS_003456	1000	220	0	4 P	15nt upstream of gene PMM0565;
532356 -	TSS_013330	1000	273	0	2 Ai	antisense to gene(s) PMM0565;
534371 +	TSS_003463	1000	223	0	7 P	6nt upstream of gene PMM0567;
538166 +	TSS_003475	1000	615	0	2 P	179nt upstream of gene PMM0570;
539865 +	TSS_003481	1000	360	0	0 Ad	antisense to gene(s) PMM0573 (15nt downstream);
539992 +	TSS_003483	1000	773	0	0 Ai	antisense to gene(s) PMM0573;
540221 -	TSS_013363	1000		0	12 P	97nt upstream of gene PMM0573;
540317 -	TSS_013367	1000	293	0	0 P	163nt upstream of gene PMM0573;
542147 -	TSS_013396	1000	2606	0	5 I	within gene(s) PMM0577;
543284 -	TSS_013410	1000	676	0	4 P	38nt upstream of gene PMM0578;
545216 +	TSS_005808	1000	4515	0	1 Ai	antisense to gene(s) PMM0580;
546045 -	TSS_013420	1000	2117	0	1 I	within gene(s) PMM0580;
546530 +	TSS_003515	1000	1038	0	2 Ai	antisense to gene(s) PMM0581;
546844 -	TSS_013445	1000		0	5 I	17nt upstream of gene PMM0581;
548961 -	TSS_013477	1000	4613	0	4 P	43nt upstream of gene PMM0583;
550115 +	TSS_003526	1000	163	0	0 Ai	antisense to gene(s) PMM0584;
551319 -	TSS_013495	1000	461	0	2 P	13nt upstream of gene PMM0584;
558189 +	TSS_003536	1000	102	0	1 P	13nt upstream of gene PMM0590;
558490 +	TSS_003542	1000	93	0	3 I	within gene(s) PMM0590;
561219 -	TSS_013519	1000	198	0	6 I	within gene(s) PMM0593;
562701 +	TSS_003548	1000	390	0	0 Ai	antisense to gene(s) PMM0594;
563864 -	TSS_013550	1000	189	0	2 I	within gene(s) PMM0594;
564355 +	TSS_003560	1000	217	0	1 Ai	antisense to gene(s) PMM0595;

565234 -	TSS_013565	1000	193	0	4	IP	within gene(s) PMM0596; 90nt upstream of gene PMM0595;
565420 -	TSS_013568	1000	992	0	1	I	within gene(s) PMM0596;
567864 +	TSS_003576	1000	150	0	5	Ai	antisense to gene(s) PMM0597;
569600 -	TSS_013585	1000	1176	0	8	P	20nt upstream of gene PMM0599;
569733 +	TSS_003585	1000	132	0	3	P	18nt upstream of gene PMM0600;
571704 +	TSS_003598	1000	119	0	2	I	within gene(s) PMM0601;
572225 +	TSS_003601	1000	99	0	4	I	within gene(s) PMM0602;
572734 +	TSS_003607	1000	131	0	0	IP	within gene(s) PMM0602; 61nt upstream of gene PMM0603;
573526 -	TSS_013605	1000	623	0	2	Ai	antisense to gene(s) PMM0603;
573992 +	TSS_003616	1000	126	0	0	I	within gene(s) PMM0604;
574977 +	TSS_003619	1000	163	0	1	Ai	antisense to gene(s) PMM0605;
575199 -	TSS_013612	1000	2955	0	1	P	16nt upstream of gene PMM0605;
577744 +	TSS_003626	1000	210	0	0	I	within gene(s) PMM0608;
578017 -	TSS_013621	1000	263	0	0	Ai	antisense to gene(s) PMM0608;
578318 +	TSS_003633	1000	1204	0	3	IP	within gene(s) PMM0608; 247nt upstream of gene PMM0609;
578964 -	TSS_013627	1000	176	0	0	Ai	antisense to gene(s) PMM0609;
579495 +	TSS_003641	1000	378	0	0	I	within gene(s) PMM0609;
582602 -	TSS_013632	1000	426	0	3	I	within gene(s) PMM0611;
582767 -	TSS_013635	1000	156	0	5	P	17nt upstream of gene PMM0611;
584058 -	TSS_013639	1000	252	0	2	I	within gene(s) PMM0613;
585123 +	TSS_003656	1000	2318	0	6	P	120nt upstream of gene PMM0614;
585737 +	TSS_003660	1000	876	0	1	IP	within gene(s) PMM0614; 160nt upstream of gene PMM0615;
586359 +	TSS_003669	1000	150	0	3	I	within gene(s) PMM0615;
587070 -	TSS_013647	1000	349	0	0	Ai	antisense to gene(s) PMM0616;
588622 +	TSS_003678	1000	1012	0	3	P	9nt upstream of gene PMM0618;
588874 +	TSS_003680	1000	204	0	1	I	within gene(s) PMM0618;
589671 +	TSS_003684	1000	188	0	0	P	29nt upstream of gene PMM0619;
590072 +	TSS_003690	1000	178	0	9	I	within gene(s) PMM0619;
590670 -	TSS_013656	1000	1307	0	3	Ai	antisense to gene(s) PMM0619;
593663 -	TSS_013670	1000	175	0	0	I	within gene(s) PMM0622;
594680 +	TSS_003754	1000	198	0	2	I	within gene(s) PMM0623;
595886 +	TSS_003756	1000	224	0	1	P	18nt upstream of gene PMM0626;
596067 -	TSS_013674	1000	170	0	0	Ai	antisense to gene(s) PMM0626;
596385 -	TSS_013676	1000	1525	0	1	O	-
600230 +	TSS_003768	1000	472	0	0	P	26nt upstream of gene PMM0631;
601604 -	TSS_013696	1000	133	0	0	IP	within gene(s) PMM0633; 102nt upstream of gene PMM0632;
602377 -	TSS_013698	1000	256	0	0	I	within gene(s) PMM0633;
602756 -	TSS_013699	1000	114	0	2	I	within gene(s) PMM0633;
605794 +	TSS_003774	1000	302	0	4	P	19nt upstream of gene PMM0637;
608933 -	TSS_013719	1000	123	0	0	Ai	antisense to gene(s) PMM0640;
609209 -	TSS_013720	1000	573	0	0	Ai	antisense to gene(s) PMM0640;
609497 +	TSS_003785	1000	142	0	0	I	within gene(s) PMM0640;
610210 +	TSS_003794	1000	5405	0	6	P	16nt upstream of gene PMM0641;
610941 +	TSS_003799	1000	9852	0	3	P	17nt upstream of gene PMM0642;
611411 +	TSS_003813	1000	530	0	18	I	within gene(s) PMM0642;
614001 -	TSS_013743	1000	91	0	1	I	within gene(s) PMM0644;
614082 -	TSS_013745	1000	234	0	1	I	within gene(s) PMM0644;
614781 -	TSS_013754	1000	556	0	2	P	15nt upstream of gene PMM0644;
617157 -	TSS_013761	1000	7728	0	7	Ai	antisense to gene(s) PMM0646;
618720 +	TSS_003887	1000	315	0	6	Ai	antisense to gene(s) PMM0648;
619528 -	TSS_013770	1000	118	0	2	P	21nt upstream of gene PMM0648;
619599 +	TSS_003889	1000	509	0	1	P	17nt upstream of gene PMM0649;
620989 -	TSS_013774	1000	3636	0	5	P	13nt upstream of gene PMM0651;
621700 -	TSS_013778	1000	548	0	0	P	156nt upstream of gene PMM0652;
624037 -	TSS_013788	1000	228	0	4	O	-
624976 +	TSS_003899	1000	272	0	4	I	within gene(s) PMM0658;
626301 +	TSS_003905	1000	769	0	1	I	within gene(s) PMM0659;
627516 +	TSS_003908	1000	609	0	0	O	-
627971 -	TSS_013796	1000	18199	0	3	O	-
628169 +	TSS_003910	1000	4276	0	2	O	-
628505 -	TSS_013812	1000	226	0	3	I	within gene(s) PMM0660;
628656 -	TSS_013813	1000	640	0	0	P	10nt upstream of gene PMM0660;
629618 -	TSS_013837	1000	197	0	0	I	within gene(s) PMM0661;
630363 -	TSS_013863	1000	135	0	9	I	within gene(s) PMM0661;
631116 -	TSS_013882	1000	2524	0	1	I	within gene(s) PMM0661;
631165 +	TSS_003929	1000	252	0	0	P	27nt upstream of gene PMM0662;
633583 +	TSS_003940	1000	660	0	1	P	23nt upstream of gene PMM0664;
635224 -	TSS_013892	1000	157	0	3	IP	within gene(s) PMM0666; 40nt upstream of gene PMM0665;
638295 +	TSS_003954	1000	202	0	1	Ai	antisense to gene(s) PMM0670;
638760 -	TSS_013903	1000	113	0	3	IP	within gene(s) PMM0671; 217nt upstream of gene PMM0670;
643136 +	TSS_003962	1000	312	0	2	P	21nt upstream of gene PMM0675;
643669 +	TSS_003964	1000	809	0	0	P	25nt upstream of gene PMM0676;
644591 +	TSS_003974	1000	91	0	3	I	within gene(s) PMM0676;
644914 -	TSS_013920	1000	575	0	0	Ad	antisense to gene(s) PMM0676 (4nt downstream);
647282 -	TSS_013927	1000	1871	0	2	P	69nt upstream of gene PMM0678;
648438 +	TSS_003986	1000	87	0	0	Ai	antisense to gene(s) PMM0680;
649133 +	TSS_003988	1000	115	0	0	I	within gene(s) PMM0681;
649461 +	TSS_003991	1000	99	0	6	I	within gene(s) PMM0681;
651413 +	TSS_003994	1000	149	0	0	I	within gene(s) PMM0683;
652626 +	TSS_003998	1000	2227	0	1	O	-
652926 +	TSS_004002	1000	20477	0	3	I	within gene(s) PMM0684;

653400 -	TSS_013936	1000	762	0	1 Ai	antisense to gene(s) PMM0685;
653980 -	TSS_013939	1000	38699	0	2 O	-
655217 -	TSS_013942	1000	123	0	0 O	-
655603 -	TSS_013943	1000	1369	0	2 I	within gene(s) PMM0687;
655934 -	TSS_013946	1000	1332	0	1 O	-
656679 -	TSS_013953	1000	495	0	0 P	87nt upstream of gene PMM0688;
657528 -	TSS_013961	1000	3994	0	4 O	-
657710 +	TSS_004013	1000	586	0	2 O	-
657998 +	TSS_004016	1000	215	0	3 O	-
659043 -	TSS_013967	1000	152	0	3 P	15nt upstream of gene PMM0690;
659754 +	TSS_004021	1000	1088	0	1 Ad	antisense to gene(s) PMM0691 (2nt downstream);
660094 -	TSS_013973	1000	362	0	6 P	133nt upstream of gene PMM0691;
660419 -	TSS_013976	1000	331	0	6 P	22nt upstream of gene PMM0692;
661103 -	TSS_013980	1000	161	0	2 I	within gene(s) PMM0693;
661646 +	TSS_004027	1000	145	0	0 I	within gene(s) PMM0694;
661983 +	TSS_004029	1000	165	0	2 O	-
663678 -	TSS_013985	1000	438	0	6 P	16nt upstream of gene PMM0697;
664058 -	TSS_013988	1000	105	0	0 I	within gene(s) PMM0698;
665165 +	TSS_004038	1000	2270	0	5 P	16nt upstream of gene PMM0699;
667292 +	TSS_004044	1000	178	0	2 P	14nt upstream of gene PMM0703;
668059 +	TSS_004048	1000	220	0	2 I	within gene(s) PMM0704;
668368 +	TSS_004049	1000	123	0	0 I	within gene(s) PMM0704;
669388 +	TSS_004050	1000	237	0	0 P	12nt upstream of gene PMM0705;
671615 -	TSS_013997	1000	138	0	0 I	within gene(s) PMM0707;
672523 -	TSS_014000	1000	93	0	0 I	within gene(s) PMM0708;
674151 +	TSS_004070	1000	487	0	0 Ai	antisense to gene(s) PMM0709;
674830 -	TSS_014015	1000	262	0	1 I	within gene(s) PMM0709;
674981 +	TSS_004075	1000	142	0	0 Ai	antisense to gene(s) PMM0709;
675828 +	TSS_004078	1000	17568	0	6 P	26nt upstream of gene PMM0710;
676283 +	TSS_004102	1000	145	0	1 I	within gene(s) PMM0710;
676791 -	TSS_014025	1000	377	0	1 Ai	antisense to gene(s) PMM0710;
678373 +	TSS_004118	1000	135	0	0 Ai	antisense to gene(s) PMM0712;
678437 +	TSS_004120	1000	317	0	0 Ai	antisense to gene(s) PMM0712;
680440 -	TSS_014034	1000	521	0	0 P	15nt upstream of gene PMM0713;
680511 -	TSS_014035	1000	225	0	0 Pai	86nt upstream of gene PMM0713; antisense to gene(s) PMM0714;
680855 -	TSS_014036	1000	116	0	0 Ai	antisense to gene(s) PMM0714;
682685 -	TSS_014037	1000	155	0	0 P	0nt upstream of gene PMM0717;
685615 -	TSS_014039	1000	1215	0	5 P	13nt upstream of gene PMM0722;
687667 +	TSS_004132	1000	703	0	0 IP	within gene(s) PMM0724; 61nt upstream of gene PMM0725;
688326 -	TSS_014046	1000	489	0	0 Ai	antisense to gene(s) PMM0725;
688353 +	TSS_004139	1000	406	0	0 I	within gene(s) PMM0725;
688629 +	TSS_004141	1000	169	0	0 O	-
688866 +	TSS_004143	1000	3889	0	2 O	-
689593 -	TSS_019603	1000	102	0	4 P	17nt upstream of gene PMM0726;
696382 -	TSS_014057	1000	195	0	0 P	18nt upstream of gene PMM0732;
698300 -	TSS_014059	1000	579	0	3 P	15nt upstream of gene PMM0734;
699080 +	TSS_004151	1000	170	0	7 O	-
702227 -	TSS_014073	1000	274	0	2 P	16nt upstream of gene PMM0739;
702332 +	TSS_004158	1000	2809	0	5 P	11nt upstream of gene PMM0740;
702516 -	TSS_014076	1000	560	0	0 O	-
703275 +	TSS_004162	1000	855	0	1 P	17nt upstream of gene PMM0742;
703511 +	TSS_004164	1000	106	0	1 I	within gene(s) PMM0742;
704459 -	TSS_014101	1000	307	0	0 I	within gene(s) PMM0743;
705461 -	TSS_014138	1000	224	0	0 I	within gene(s) PMM0743;
705815 -	TSS_014145	1000	741	0	1 P	23nt upstream of gene PMM0743;
706437 +	TSS_004187	1000	112	0	0 Ai	antisense to gene(s) PMM0745;
708310 +	TSS_004191	1000	1900	0	2 Ai	antisense to gene(s) PMM0746;
708607 -	TSS_014151	1000	682	0	1 P	14nt upstream of gene PMM0746;
710247 +	TSS_004196	1000	216	0	1 IP	within gene(s) PMM0748; 23nt upstream of gene PMM0749;
711092 +	TSS_004204	1000	166	0	0 I	within gene(s) PMM0749;
711431 -	TSS_014159	1000	110	0	0 Ai	antisense to gene(s) PMM0749;
711539 +	TSS_004206	1000	1916	0	1 I	within gene(s) PMM0750;
711829 -	TSS_014161	1000	1000	0	6 Ai	antisense to gene(s) PMM0750;
712163 +	TSS_004209	1000	1528	0	0 IP	within gene(s) PMM0750; 42nt upstream of gene PMM0751;
713700 +	TSS_004218	1000	246	0	5 I	within gene(s) PMM0753;
713922 +	TSS_004224	1000	258	0	0 I	within gene(s) PMM0753;
714097 +	TSS_004239	1000	1494	0	4 IP	within gene(s) PMM0753; 130nt upstream of gene PMM0754;
716611 +	TSS_004255	1000	164	0	1 I	within gene(s) PMM0756;
719060 +	TSS_004263	1000	126	0	2 I	within gene(s) PMM0757;
720208 +	TSS_004270	1000	204	0	1 Ai	antisense to gene(s) PMM0758;
720641 -	TSS_014207	1000	760	0	1 I	within gene(s) PMM0758;
721002 -	TSS_014217	1000		0	0 P	15nt upstream of gene PMM0758;
721555 -	TSS_014218	1000	143	0	0 Ai	antisense to gene(s) PMM0759;
723763 -	TSS_014249	1000	1162	0	24 I	within gene(s) PMM0760;
724438 -	TSS_014296	1000	265	0	18 I	within gene(s) PMM0760;
724578 -	TSS_014299	1000	5737	0	2 P	20nt upstream of gene PMM0760;
725488 +	TSS_004283	1000	384	0	4 P	25nt upstream of gene PMM0762;
728301 -	TSS_014311	1000	314	0	0 Ai	antisense to gene(s) PMM0764;
729981 -	TSS_014324	1000	235	0	1 I	within gene(s) PMM0766;
730261 -	TSS_014326	1000	767	0	2 P	15nt upstream of gene PMM0766;
730331 +	TSS_004332	1000	673	0	0 P	103nt upstream of gene PMM0767;

730435 +	TSS_004333	1000	1078	0	1 I	within gene(s) PMM0767;
730737 +	TSS_004340	1000	289	0	7 I	within gene(s) PMM0767;
730925 +	TSS_004346	1000	146	0	6 I	within gene(s) PMM0767;
731386 -	TSS_014336	1000	84	0	1 Ai	antisense to gene(s) PMM0767;
732872 +	TSS_004368	1000	2217	0	6 P	21nt upstream of gene PMM0769;
733226 -	TSS_014345	1000	247	0	0 Ai	antisense to gene(s) PMM0769;
734116 -	TSS_014356	1000	332	0	4 Ai	antisense to gene(s) PMM0769;
734269 +	TSS_004413	1000	2128	0	4 P	18nt upstream of gene PMM0770;
736446 +	TSS_004421	1000	162	0	5 P	15nt upstream of gene PMM0772;
737785 -	TSS_014366	1000	152	0	0 I	within gene(s) PMM0774;
738561 +	TSS_004430	1000	174	0	0 Ai	antisense to gene(s) PMM0774;
738854 -	TSS_014379	1000	94	0	6 I	within gene(s) PMM0774;
738964 -	TSS_014383	1000	241	0	1 I	within gene(s) PMM0774;
739095 -	TSS_014385	1000	1287	0	1 P	13nt upstream of gene PMM0774;
739410 -	TSS_014389	1000	1611	0	10 P	14nt upstream of gene PMM0775;
740068 +	TSS_004436	1000	586	0	2 P	38nt upstream of gene PMM0777;
741992 +	TSS_004444	1000	969	0	1 P	15nt upstream of gene PMM0779;
744091 -	TSS_014493	1000	12130	0	3 P	43nt upstream of gene PMM0781;
745876 +	TSS_004461	1000	117	0	1 Ai	antisense to gene(s) PMM0784;
746288 -	TSS_014510	1000	396	0	2 I	within gene(s) PMM0784;
746584 -	TSS_020211	1000	2641	0	5 P	18nt upstream of gene PMM0784;
747387 -	TSS_014538	1000	621	0	9 I	within gene(s) PMM0785;
747664 -	TSS_020215	1000	4971	0	2 P	15nt upstream of gene PMM0785;
749173 -	TSS_014552	1000	171	0	4 I	within gene(s) PMM0787;
752029 -	TSS_014566	1000	214	0	8 P	25nt upstream of gene PMM0790;
752047 +	TSS_004480	1000	1694	0	6 Ai	antisense to gene(s) PMM0791;
752129 +	TSS_004481	1000	168	0	0 Ai	antisense to gene(s) PMM0791;
755386 -	TSS_014570	1000	1279	0	3 IP	within gene(s) PMM0795; 114nt upstream of gene PMM0794;
757822 -	TSS_014579	1000	128	0	0 P	66nt upstream of gene PMM0796;
759405 +	TSS_004488	1000	99	0	2 P	16nt upstream of gene PMM0799;
760249 -	TSS_014587	1000	97	0	11 P	17nt upstream of gene PMM0800;
760930 -	TSS_014591	1000	187	0	1 P	14nt upstream of gene PMM0801;
762992 +	TSS_004493	1000	1567	0	0 P	16nt upstream of gene PMM0804;
763063 +	TSS_004496	1000	306	0	17 I	within gene(s) PMM0804;
764067 +	TSS_004528	1000	432	0	0 Ai	antisense to gene(s) PMM0806;
764468 -	TSS_014604	1000	209	0	3 P	26nt upstream of gene PMM0806;
768634 -	TSS_014612	1000	1000	0	1 P	16nt upstream of gene PMM0810;
768967 -	TSS_014614	1000	119	0	0 O	-
769201 -	TSS_014615	1000	98	0	0 O	-
771730 -	TSS_014625	1000	397	0	1 P	22nt upstream of gene PMM0814;
771982 +	TSS_004541	1000	135	0	5 O	-
772207 -	TSS_014626	1000	165	0	0 O	-
773820 -	TSS_014639	1000	545	0	1 P	20nt upstream of gene PMM0818;
774773 -	TSS_014642	1000	2534	0	3 P	18nt upstream of gene PMM0819;
775070 -	TSS_014646	1000	255	0	1 P	49nt upstream of gene PMM0820;
775810 -	TSS_014647	1000	153	0	0 O	-
777149 -	TSS_014653	1000	566	0	0 I	within gene(s) PMM0821;
778980 -	TSS_014664	1000	140	0	2 P	19nt upstream of gene PMM0824;
784311 +	TSS_004585	1000	129	0	0 PAi	76nt upstream of gene PMM0828; antisense to gene(s) PMM0827;
784601 +	TSS_004586	1000	324	0	0 P	14nt upstream of gene PMM0829;
784835 +	TSS_004587	1000	153	0	0 I	within gene(s) PMM0829;
787909 -	TSS_014765	1000	457	0	10 I	within gene(s) PMM0831;
789844 -	TSS_014847	1000	102	0	2 I	within gene(s) PMM0831;
790206 -	TSS_014848	1000	0	0	1 I	17nt upstream of gene PMM0831;
790790 +	TSS_004627	1000	108	0	5 I	within gene(s) PMM0832;
796520 +	TSS_004635	1000	392	0	1 Ai	antisense to gene(s) PMM0839;
800875 -	TSS_014874	1000	107	0	0 I	within gene(s) PMM0842;
803506 -	TSS_014887	1000	103	0	12 I	within gene(s) PMM0844;
804298 -	TSS_014919	1000	2803	0	2 P	14nt upstream of gene PMM0844;
807762 -	TSS_014931	1000	222	0	2 P	29nt upstream of gene PMM0847;
808842 +	TSS_004657	1000	7629	0	6 P	117nt upstream of gene PMM0851;
810234 -	TSS_014951	1000	0	0	0 P	16nt upstream of gene PMM0853;
811735 -	TSS_014957	1000	480	0	0 Ai	antisense to gene(s) PMM0854;
813572 -	TSS_014996	1000	7484	0	12 P	45nt upstream of gene PMM0856;
814241 -	TSS_015003	1000	105	0	0 P	14nt upstream of gene PMM0857;
814913 +	TSS_004676	1000	1940	0	2 O	-
815258 -	TSS_015011	1000	140	0	0 O	-
816976 +	TSS_004681	1000	1777	0	1 O	-
817333 +	TSS_004684	1000	1391	0	3 O	-
817753 +	TSS_004688	1000	92	0	3 O	-
818781 +	TSS_004689	1000	137	0	0 O	-
819403 -	TSS_015025	1000	194	0	2 O	-
820064 -	TSS_015029	1000	185	0	0 O	-
821702 -	TSS_015036	1000	107	0	2 P	16nt upstream of gene PMM0864;
824596 -	TSS_015053	1000	106	0	10 P	21nt upstream of gene PMM0867;
826236 -	TSS_015057	1000	537	0	7 IP	within gene(s) PMM0870; 156nt upstream of gene PMM0869;
826307 -	TSS_020771	1000	9271	0	6 P	24nt upstream of gene PMM0870;
827556 -	TSS_015062	1000	343	0	0 Ai	antisense to gene(s) PMM0871;
828957 +	TSS_007140	1000	17983	0	2 I	within gene(s) PMM0872;
831934 +	TSS_004724	1000	128	0	0 Ai	antisense to gene(s) PMM0875;
832333 +	TSS_004726	1000	533	0	3 P	14nt upstream of gene PMM0876;

832529 -	TSS_015072	1000	211	0	2 Ai	antisense to gene(s) PMM0876;
834878 -	TSS_015079	1000	1040	0	3 I	within gene(s) PMM0877;
835327 +	TSS_004733	1000	97	0	5 Ai	antisense to gene(s) PMM0877;
837146 -	TSS_015092	1000	693	0	2 P	38nt upstream of gene PMM0878;
840244 -	TSS_015098	1000	162	0	2 Ai	antisense to gene(s) PMM0879;
841241 -	TSS_015102	1000	166	0	0 I	within gene(s) PMM0880;
842149 -	TSS_015104	1000	202	0	0 I	within gene(s) PMM0881;
844697 -	TSS_015118	1000	4359	0	5 P	15nt upstream of gene PMM0883;
845195 -	TSS_015123	1000	105	0	0 Ai	antisense to gene(s) PMM0884;
855315 +	TSS_004770	1000	156	0	2 P	49nt upstream of gene PMM0893;
857485 -	TSS_015161	1000	475	0	6 I	within gene(s) PMM0894;
857549 -	TSS_015164	1000	8309	0	3 P	18nt upstream of gene PMM0894;
858686 -	TSS_015176	1000	450	0	0 I	within gene(s) PMM0896;
858957 -	TSS_015178	1000	568	0	1 IP	within gene(s) PMM0897; 21nt upstream of gene PMM0896;
859899 +	TSS_004788	1000	615	0	0 Ai	antisense to gene(s) PMM0897;
860406 -	TSS_015192	1000	2085	0	2 I	within gene(s) PMM0897;
860982 -	TSS_015200	1000	417	0	2 P	65nt upstream of gene PMM0897;
862187 +	TSS_004797	1000	150	0	6 I	within gene(s) PMM0899;
862487 -	TSS_015205	1000	179	0	0 Ai	antisense to gene(s) PMM0899;
863809 +	TSS_004803	1000	2300	0	2 P	23nt upstream of gene PMM0901;
863967 +	TSS_004806	1000	163	0	1 I	within gene(s) PMM0901;
864270 +	TSS_004816	1000	117	0	3 I	within gene(s) PMM0901;
865761 +	TSS_004829	1000	570	0	1 P	15nt upstream of gene PMM0902;
865990 -	TSS_015214	1000	89	0	0 Ai	antisense to gene(s) PMM0902;
867288 +	TSS_004837	1000	477	0	0 I	within gene(s) PMM0906;
867687 +	TSS_004841	1000	209	0	0 Ai	antisense to gene(s) PMM0907;
867831 +	TSS_004843	1000	126	0	0 Ai	antisense to gene(s) PMM0907;
868162 -	TSS_015227	1000	116	0	0 I	within gene(s) PMM0907;
869052 +	TSS_004851	1000	124	0	7 Ai	antisense to gene(s) PMM0907;
869447 -	TSS_015250	1000	10105	0	5 P	16nt upstream of gene PMM0907;
869708 +	TSS_004857	1000	243	0	2 I	within gene(s) PMM0908;
870149 +	TSS_004859	1000	175	0	0 I	within gene(s) PMM0908;
871670 +	TSS_004866	1000	168	0	1 P	15nt upstream of gene PMM0910;
872329 -	TSS_015264	1000	155	0	1 P	33nt upstream of gene PMM0911;
873612 +	TSS_004883	1000	437	0	2 I	within gene(s) PMM0912;
876780 +	TSS_004892	1000	97	0	0 I	within gene(s) PMM0916;
881167 -	TSS_015286	1000	1216	0	2 P	15nt upstream of gene PMM0919;
881352 +	TSS_004909	1000	7081	0	4 P	15nt upstream of gene PMM0920;
883958 +	TSS_004977	1000	126	0	3 P	15nt upstream of gene PMM0922;
885534 -	TSS_015310	1000	174	0	0 PAi	91nt upstream of gene PMM0924; antisense to gene(s) PMM0925;
886557 +	TSS_004989	1000	1539	0	7 P	14nt upstream of gene PMM0926;
889213 +	TSS_004994	1000	256	0	0 Ai	antisense to gene(s) PMM0929;
891056 +	TSS_005002	1000	107	0	3 Ai	antisense to gene(s) PMM0930;
891599 -	TSS_015341	1000	4600	0	1 P	21nt upstream of gene PMM0930;
893051 -	TSS_015345	1000	91	0	3 IP	within gene(s) PMM0933; 12nt upstream of gene PMM0932;
894754 +	TSS_005009	1000	124	0	0 P	45nt upstream of gene PMM0936;
899977 +	TSS_005022	1000	832	0	3 P	13nt upstream of gene PMM0941;
900053 +	TSS_005025	1000	303	0	0 I	within gene(s) PMM0941;
901047 +	TSS_005044	1000	32185	0	9 P	14nt upstream of gene PMM0943;
905299 -	TSS_015375	1000	1429	0	2 P	14nt upstream of gene PMM0945;
906542 -	TSS_015389	1000	280	0	0 I	within gene(s) PMM0946;
907099 -	TSS_015394	1000	1792	0	3 P	6nt upstream of gene PMM0947;
911843 -	TSS_015410	1000	93	0	3 P	14nt upstream of gene PMM0953;
913344 +	TSS_005068	1000	503	0	0 I	within gene(s) PMM0954;
913440 +	TSS_005069	1000	392	0	0 IP	within gene(s) PMM0954; 246nt upstream of gene PMM0955;
913823 +	TSS_005072	1000	260	0	3 I	within gene(s) PMM0955;
914442 +	TSS_005074	1000	302	0	1 O	-
914689 -	TSS_015414	1000	451	0	2 O	-
915624 +	TSS_005077	1000	205	0	2 P	2nt upstream of gene PMM0957;
916221 -	TSS_015420	1000	149	0	2 O	-
916530 -	TSS_015423	1000	532	0	6 P	16nt upstream of gene PMM0958;
918232 +	TSS_005082	1000	206	0	0 Ai	antisense to gene(s) PMM0960;
918396 -	TSS_015429	1000	224	0	0 IP	within gene(s) PMM0961; 47nt upstream of gene PMM0960;
919141 -	TSS_015430	1000	227	0	0 I	within gene(s) PMM0961;
920008 +	TSS_005090	1000	91	0	1 PAi	153nt upstream of gene PMM0962; antisense to gene(s) PMM0961;
920682 -	TSS_015432	1000	209	0	0 Ai	antisense to gene(s) PMM0962;
922689 +	TSS_005102	1000	261	0	2 Ai	antisense to gene(s) PMM0963;
923723 -	TSS_015443	1000	293	0	0 I	within gene(s) PMM0965;
923809 -	TSS_015445	1000	155	0	4 IP	within gene(s) PMM0966; 85nt upstream of gene PMM0965;
924547 -	TSS_015448	1000	348	0	0 I	within gene(s) PMM0966;
926558 +	TSS_005119	1000	20904	0	5 P	10nt upstream of gene PMM0970;
926646 +	TSS_005123	1000	122	0	1 I	within gene(s) PMM0970;
927259 +	TSS_005142	1000	250	0	0 I	within gene(s) PMM0970;
927406 +	TSS_005145	1000	186	0	1 I	within gene(s) PMM0970;
929465 -	TSS_015467	1000	123	0	1 Ai	antisense to gene(s) PMM0972;
930151 +	TSS_005157	1000	182	0	0 IP	within gene(s) PMM0972; 101nt upstream of gene PMM0973;
930208 -	TSS_015472	1000	571	0	4 Ai	antisense to gene(s) PMM0972;
931059 +	TSS_005159	1000	154	0	0 I	within gene(s) PMM0974;
933017 +	TSS_005163	1000	385	0	0 I	within gene(s) PMM0975;
936929 +	TSS_005169	1000	141	0	1 O	-
937963 +	TSS_005172	1000	1335	0	1 P	15nt upstream of gene PMM0982;

939028 -	TSS_015485	1000	355	0	0 P	17nt upstream of gene PMM0983;
939168 +	TSS_008103	1000	3048	0	2 O	-
941587 +	TSS_005179	1000	774	0	6 P	17nt upstream of gene PMM0987;
942377 -	TSS_015491	1000	525	0	0 P	126nt upstream of gene PMM0988;
945784 +	TSS_005187	1000	1372	0	3 P	20nt upstream of gene PMM0992;
946441 +	TSS_005190	1000	285	0	0 Ai	antisense to gene(s) PMM0993;
946927 -	TSS_015497	1000	1243	0	4 P	16nt upstream of gene PMM0993;
947802 +	TSS_005194	1000	98	0	0 O	-
948048 +	TSS_008123	1000	0	0	9 P	17nt upstream of gene PMM0996;
948628 +	TSS_008123	1000	0	0	1 O	-
949329 -	TSS_021293	1000	16289	0	1 O	-
950002 +	TSS_005199	1000	1210	0	1 P	15nt upstream of gene PMM0999;
950681 +	TSS_005200	1000	168	0	0 P	15nt upstream of gene PMM1001;
952881 -	TSS_015509	1000	85	0	1 Ai	antisense to gene(s) PMM1002;
956897 -	TSS_015517	1000	2433	0	5 P	17nt upstream of gene PMM1005;
958314 -	TSS_015596	1000	237	0	0 P	15nt upstream of gene PMM1007;
958766 -	TSS_015597	1000	211	0	0 P	26nt upstream of gene PMM1008;
958974 +	TSS_005251	1000	106	0	0 I	within gene(s) PMM1009;
960692 -	TSS_015599	1000	152	0	2 P	16nt upstream of gene PMM1011;
961818 +	TSS_005256	1000	362	0	3 P	14nt upstream of gene PMM1013;
963397 -	TSS_015603	1000	93	0	0 P	14nt upstream of gene PMM1015;
968005 +	TSS_005275	1000	250	0	5 I	within gene(s) PMM1022;
971676 -	TSS_015615	1000	150	0	0 P	4nt upstream of gene PMM1026;
972175 -	TSS_015616	1000	1054	0	2 O	-
972740 +	TSS_005279	1000	643	0	0 P	166nt upstream of gene PMM1028;
973076 -	TSS_015619	1000	333	0	1 Ai	antisense to gene(s) PMM1028;
973232 +	TSS_005282	1000	1040	0	0 O	-
974221 +	TSS_005287	1000	1174	0	1 P	27nt upstream of gene PMM1030;
975550 +	TSS_005290	1000	125	0	0 P	17nt upstream of gene PMM1032;
977043 +	TSS_008322	1000	2254	0	6 P	32nt upstream of gene PMM1033;
977685 -	TSS_015634	1000	145	0	0 Ai	antisense to gene(s) PMM1033;
979706 -	TSS_015644	1000	278	0	2 O	-
979901 +	TSS_015644	1000	0	0	1 O	-
981600 +	TSS_005321	1000	182	0	0 I	within gene(s) PMM1038;
983461 +	TSS_005326	1000	117	0	3 I	within gene(s) PMM1039;
984870 +	TSS_005332	1000	145	0	0 I	within gene(s) PMM1041;
985398 +	TSS_005333	1000	597	0	0 IP	within gene(s) PMM1041; 91nt upstream of gene PMM1042;
985522 +	TSS_005334	1000	588	0	0 I	within gene(s) PMM1042;
995402 +	TSS_005346	1000	191	0	0 Ad	antisense to gene(s) PMM1053 (3nt downstream);
996144 -	TSS_015671	1000	276	0	0 IP	within gene(s) PMM1054; 183nt upstream of gene PMM1053;
997566 -	TSS_015689	1000	223	0	1 P	29nt upstream of gene PMM1055;
998948 -	TSS_015693	1000	138	0	0 I	within gene(s) PMM1057;
998966 +	TSS_005355	1000	2498	0	2 P	23nt upstream of gene PMM1058;
1000663 -	TSS_015701	1000	909	0	3 P	16nt upstream of gene PMM1061;
1000796 -	TSS_015705	1000	19666	0	3 P	149nt upstream of gene PMM1061;
1000995 -	TSS_015707	1000	162	0	1 I	within gene(s) PMM1062;
1001106 +	TSS_005361	1000	584	0	1 Ai	antisense to gene(s) PMM1062;
1001916 -	TSS_015710	1000	134	0	0 I	within gene(s) PMM1062;
1002034 -	TSS_015713	1000	100	0	1 P	15nt upstream of gene PMM1062;
1002186 +	TSS_005367	1000	983	0	8 P	13nt upstream of gene PMM1063;
1004709 +	TSS_005390	1000	216	0	9 IP	within gene(s) PMM1063; 118nt upstream of gene PMM1064;
1005630 +	TSS_005399	1000	94	0	0 I	within gene(s) PMM1064;
1007850 +	TSS_008477	1000	9264	0	5 P	14nt upstream of gene PMM1066;
1008963 +	TSS_005417	1000	590	0	0 I	within gene(s) PMM1066;
1009566 +	TSS_005430	1000	212	0	1 P	29nt upstream of gene PMM1067;
1011515 +	TSS_005435	1000	159	0	0 P	31nt upstream of gene PMM1069;
1012301 +	TSS_005440	1000	339	0	0 IP	within gene(s) PMM1069; 179nt upstream of gene PMM1070;
1013805 -	TSS_015739	1000	290	0	0 Ai	antisense to gene(s) PMM1071;
1018128 -	TSS_015754	1000	492	0	0 P	18nt upstream of gene PMM1074;
1018655 -	TSS_015770	1000	776	0	6 I	within gene(s) PMM1075;
1019222 -	TSS_015819	1000	1837	0	6 I	within gene(s) PMM1075;
1019352 -	TSS_015821	1000	3069	0	2 P	16nt upstream of gene PMM1075;
1019487 +	TSS_008630	1000	1756	0	1 P	32nt upstream of gene PMM1076;
1020379 -	TSS_015827	1000	3429	0	2 I	within gene(s) PMM1077;
1020982 -	TSS_015832	1000	196	0	1 I	within gene(s) PMM1077;
1021282 -	TSS_015833	1000	449	0	0 I	within gene(s) PMM1077;
1022015 +	TSS_005488	1000	259	0	4 P	18nt upstream of gene PMM1079;
1022762 -	TSS_015837	1000	291	0	0 I	within gene(s) PMM1080;
1023134 +	TSS_005496	1000	143	0	6 Ai	antisense to gene(s) PMM1080;
1023493 -	TSS_015866	1000	3209	0	2 P	19nt upstream of gene PMM1080;
1023698 +	TSS_005501	1000	101	0	3 P	26nt upstream of gene PMM1081;
1024480 +	TSS_005505	1000	274	0	2 I	within gene(s) PMM1081;
1024757 -	TSS_015871	1000	214	0	0 Ai	antisense to gene(s) PMM1081;
1028961 +	TSS_005515	1000	113	0	0 IP	within gene(s) PMM1084; 27nt upstream of gene PMM1085;
1029223 -	TSS_015883	1000	179	0	0 Ai	antisense to gene(s) PMM1085;
1029801 -	TSS_015885	1000	333	0	0 Ai	antisense to gene(s) PMM1085;
1032155 +	TSS_005522	1000	550	0	1 Ai	antisense to gene(s) PMM1088;
1034423 -	TSS_016144	1000	313	0	30 I	within gene(s) PMM1088;
1034569 -	TSS_016157	1000	20516	0	2 P	17nt upstream of gene PMM1088;
1035252 +	TSS_005561	1000	774	0	0 P	14nt upstream of gene PMM1090;
1036076 +	TSS_005570	1000	415	0	7 I	within gene(s) PMM1090;

1037579 -	TSS_016170	1000	803	0	0 Ai	antisense to gene(s) PMM1092;
1038020 +	TSS_005588	1000	104	0	0 I	within gene(s) PMM1092;
1038329 +	TSS_005591	1000	104	0	1 IP	within gene(s) PMM1092; 44nt upstream of gene PMM1093;
1038879 -	TSS_016175	1000	222	0	0 Ai	antisense to gene(s) PMM1093;
1039004 +	TSS_005596	1000	164	0	2 I	within gene(s) PMM1093;
1041219 +	TSS_005604	1000	186	0	0 Ai	antisense to gene(s) PMM1096;
1041398 -	TSS_016180	1000	116	0	0 I	within gene(s) PMM1096;
1041770 +	TSS_005605	1000	1091	0	0 Ai	antisense to gene(s) PMM1097;
1042334 -	TSS_016181	1000	450	0	0 P	14nt upstream of gene PMM1097;
1042406 +	TSS_005610	1000	4569	0	2 P	20nt upstream of gene PMM1098;
1042908 -	TSS_016185	1000	92	0	0 Ai	antisense to gene(s) PMM1098;
1046932 -	TSS_016189	1000	303	0	0 P	81nt upstream of gene PMM1101;
1057074 -	TSS_016198	1000	3783	0	1 P	35nt upstream of gene PMM1107;
1058522 +	TSS_005650	1000	579	0	3 IP	within gene(s) PMM1110; 95nt upstream of gene PMM1111;
1059299 +	TSS_005659	1000	663	0	2 P	47nt upstream of gene PMM1113;
1059858 +	TSS_005663	1000	494	0	2 I	within gene(s) PMM1113;
1060619 +	TSS_005666	1000	135	0	2 Ai	antisense to gene(s) PMM1115;
1063397 +	TSS_005674	1000	103	0	1 Ai	antisense to gene(s) PMM1116;
1063713 +	TSS_005674	1000	0	0	1 P	21nt upstream of gene PMM1117;
1063850 +	TSS_005678	1000	299	0	4 O	-
1064482 +	TSS_005681	1000	3270	0	5 P	19nt upstream of gene PMM1118;
1065783 -	TSS_016237	1000	6247	0	15 I	within gene(s) PMM1119;
1066209 -	TSS_022609	1000	0	0	0 P	9nt upstream of gene PMM1119;
1068999 -	TSS_016277	1000	6247	0	15 I	within gene(s) PMM1121;
1069447 -	TSS_016325	1000	2388	0	2 P	28nt upstream of gene PMM1121;
1070354 -	TSS_016328	1000	137	0	1 O	-
1071430 +	TSS_005748	1000	111	0	2 O	-
1071927 -	TSS_016346	1000	224	0	1 I	within gene(s) PMM1123;
1072201 -	TSS_016370	1000	300	0	18 I	within gene(s) PMM1123;
1072469 -	TSS_005754	1000	0	0	0 P	94nt upstream of gene PMM1123;
1074287 -	TSS_016385	1000	430	0	0 I	within gene(s) PMM1124;
1076222 +	TSS_005763	1000	105	0	0 Ai	antisense to gene(s) PMM1126;
1078286 -	TSS_016390	1000	722	0	1 I	within gene(s) PMM1127;
1078419 +	TSS_005767	1000	105	0	0 Ai	antisense to gene(s) PMM1127;
1079462 -	TSS_016395	1000	2047	0	3 P	17nt upstream of gene PMM1128;
1080845 +	TSS_005772	1000	236	0	5 P	24nt upstream of gene PMM1131;
1082063 -	TSS_016402	1000	4318	0	3 O	-
1082218 +	TSS_005782	1000	2304	0	4 P	51nt upstream of gene PMM1132;
1083365 -	TSS_016408	1000	175	0	1 Ai	antisense to gene(s) PMM1132;
1083716 +	TSS_005789	1000	90	0	0 I	within gene(s) PMM1132;
1084946 -	TSS_016416	1000	432	0	2 O	-
1085043 +	TSS_005790	1000	1535	0	1 P	19nt upstream of gene PMM1134;
1085641 +	TSS_005794	1000	3234	0	4 P	15nt upstream of gene PMM1135;
1086451 -	TSS_016420	1000	117	0	0 O	-
1087615 +	TSS_005797	1000	649	0	1 O	-
1089084 -	TSS_016426	1000	111	0	6 P	38nt upstream of gene PMM1138;
1090775 +	TSS_005805	1000	346	0	0 I	within gene(s) PMM1140;
1094754 +	TSS_005813	1000	851	0	1 P	29nt upstream of gene PMM1142;
1095730 +	TSS_005822	1000	225	0	0 I	within gene(s) PMM1142;
1100340 -	TSS_016477	1000	2022	0	6 P	17nt upstream of gene PMM1147;
1100440 +	TSS_005841	1000	762	0	1 P	16nt upstream of gene PMM1148;
1101175 +	TSS_005889	1000	3190	0	2 P	15nt upstream of gene PMM1149;
1101469 +	TSS_005889	1000	0	0	0 P	8nt upstream of gene PMM1149;
1103158 -	TSS_016496	1000	3316	0	2 P	16nt upstream of gene PMM1151;
1103474 -	TSS_016498	1000	737	0	2 O	-
1104586 -	TSS_016507	1000	5481	0	1 IP	within gene(s) PMM1152a; 112nt upstream of gene PMM1152;
1105595 +	TSS_005935	1000	380	0	5 IP	within gene(s) PMM1153; 99nt upstream of gene PMM1154;
1107430 -	TSS_016510	1000	1742	0	4 P	2nt upstream of gene PMM1156;
1107587 +	TSS_023319	1000	0	0	0 P	26nt upstream of gene PMM1157;
1108620 +	TSS_006076	1000	21745	0	33 IP	within gene(s) PMM1157; 53nt upstream of gene PMM1158;
1108805 +	TSS_006100	1000	4926	0	20 I	within gene(s) PMM1158;
1114472 +	TSS_006214	1000	112	0	6 P	107nt upstream of gene PMM1163;
1115437 +	TSS_006219	1000	360	0	0 O	-
1118179 -	TSS_016578	1000	463	0	1 P	33nt upstream of gene PMM1165;
1118495 +	TSS_006222	1000	169	0	0 Ai	antisense to gene(s) PMM1166;
1120049 +	TSS_006228	1000	2252	0	1 P	15nt upstream of gene PMM1169;
1121159 +	TSS_006233	1000	363	0	0 Ai	antisense to gene(s) PMM1171;
1121580 -	TSS_016605	1000	5960	0	3 P	27nt upstream of gene PMM1171;
1122779 +	TSS_006237	1000	401	0	3 P	17nt upstream of gene PMM1174;
1123430 -	TSS_016610	1000	683	0	6 Ai	antisense to gene(s) PMM1175;
1124119 +	TSS_006244	1000	257	0	0 I	within gene(s) PMM1176;
1125577 +	TSS_006247	1000	99	0	0 Ai	antisense to gene(s) PMM1177;
1127018 +	TSS_006253	1000	515	0	0 Ai	antisense to gene(s) PMM1178;
1127626 +	TSS_006258	1000	2671	0	2 Ai	antisense to gene(s) PMM1179;
1127928 +	TSS_006261	1000	128	0	1 Ai	antisense to gene(s) PMM1179;
1128259 +	TSS_006263	1000	709	0	1 P	28nt upstream of gene PMM1180;
1128474 -	TSS_016631	1000	1880	0	3 PAi	241nt upstream of gene PMM1179; antisense to gene(s) PMM1180;
1128570 -	TSS_016634	1000	1164	0	1 Ai	antisense to gene(s) PMM1180;
1130146 +	TSS_006288	1000	20179	0	4 P	13nt upstream of gene PMM1183;
1130398 -	TSS_016644	1000	521	0	0 Ai	antisense to gene(s) PMM1184;
1130649 +	TSS_006293	1000	1861	0	0 IP	within gene(s) PMM1184; 44nt upstream of gene PMM1185;

1131150 +	TSS_006299	1000	5915	0	4 P	29nt upstream of gene PMM1186;
1131719 +	TSS_006311	1000	747	0	0 I	within gene(s) PMM1186;
1131989 +	TSS_006317	1000	113	0	0 I	within gene(s) PMM1186;
1133995 +	TSS_006326	1000	951	0	5 I	within gene(s) PMM1188;
1136341 +	TSS_006335	1000	159	0	0 P	18nt upstream of gene PMM1190;
1136852 +	TSS_006340	1000	201	0	1 P	0nt upstream of gene PMM1191;
1137382 -	TSS_016669	1000	1203	0	1 Ai	antisense to gene(s) PMM1191;
1138412 +	TSS_006439	1000	457	0	9 I	within gene(s) PMM1191;
1138845 -	TSS_016693	1000	765	0	1 Ai	antisense to gene(s) PMM1191;
1139830 +	TSS_006480	1000	457	0	0 PAi	95nt upstream of gene PMM1193; antisense to gene(s) PMM1192;
1147383 -	TSS_016707	1000	189	0	0 I	within gene(s) PMM1199;
1150601 -	TSS_016714	1000	100	0	0 I	within gene(s) PMM1202;
1152750 -	TSS_016722	1000	194	0	0 I	within gene(s) PMM1204;
1152998 -	TSS_016723	1000	432	0	1 IP	within gene(s) PMM1205; 88nt upstream of gene PMM1204;
1154177 -	TSS_016730	1000	159	0	4 P	20nt upstream of gene PMM1205;
1157220 +	TSS_006506	1000	560	0	0 Ai	antisense to gene(s) PMM1208;
1158156 -	TSS_016736	1000	110	0	0 P	14nt upstream of gene PMM1208;
1164607 -	TSS_016750	1000	116	0	2 Ai	antisense to gene(s) PMM1215;
1168569 +	TSS_006537	1000	105	0	0 P	18nt upstream of gene PMM1219;
1175722 +	TSS_006543	1000	103	0	0 I	within gene(s) PMM1225;
1181446 -	TSS_016766	1000	318	0	2 Ai	antisense to gene(s) PMM1229;
1183984 +	TSS_006551	1000	421	0	6 I	within gene(s) PMM1232;
1186173 +	TSS_006555	1000	418	0	14 I	within gene(s) PMM1234;
1186359 -	TSS_016777	1000	369	0	2 Ai	antisense to gene(s) PMM1234;
1186823 +	TSS_006563	1000	4175	0	2 I	within gene(s) PMM1234;
1187821 +	TSS_006570	1000	554	0	2 IP	within gene(s) PMM1235; 110nt upstream of gene PMM1236;
1192406 +	TSS_006581	1000	667	0	2 IP	within gene(s) PMM1239; 15nt upstream of gene PMM1240;
1201748 -	TSS_016798	1000	204	0	0 I	within gene(s) PMM1249;
1202453 -	TSS_016801	1000	129	0	1 I	within gene(s) PMM1250;
1203802 +	TSS_006595	1000	276	0	1 Ai	antisense to gene(s) PMM1251;
1204621 -	TSS_016812	1000	308	0	0 P	82nt upstream of gene PMM1251;
1206887 +	TSS_006600	1000	216	0	0 Ai	antisense to gene(s) PMM1254;
1209541 -	TSS_016827	1000	1434	0	1 I	within gene(s) PMM1256;
1211786 +	TSS_006609	1000	190	0	0 I	within gene(s) PMM1258;
1212300 -	TSS_016834	1000	136	0	0 Ai	antisense to gene(s) PMM1258;
1212532 +	TSS_006610	1000	98	0	0 IP	within gene(s) PMM1258; 148nt upstream of gene PMM1259;
1212721 -	TSS_016836	1000	108	0	0 Ai	antisense to gene(s) PMM1258 PMM1259;
1213317 +	TSS_006616	1000	525	0	4 I	within gene(s) PMM1259;
1214339 +	TSS_006618	1000	132	0	0 I	within gene(s) PMM1260;
1214724 +	TSS_006620	1000	862	0	0 IP	within gene(s) PMM1260; 140nt upstream of gene PMM1261;
1214815 +	TSS_006622	1000	169	0	0 IP	within gene(s) PMM1260; 49nt upstream of gene PMM1261;
1215208 +	TSS_006624	1000	97	0	2 I	within gene(s) PMM1261;
1215731 -	TSS_016842	1000	107	0	2 Ai	antisense to gene(s) PMM1261;
1216927 -	TSS_016852	1000	8641	0	0 P	26nt upstream of gene PMM1262;
1218465 -	TSS_016879	1000	326	0	1 I	within gene(s) PMM1264;
1218623 +	TSS_006654	1000	1169	0	1 Ai	antisense to gene(s) PMM1264;
1219165 -	TSS_016932	1000	459	0	12 I	within gene(s) PMM1264;
1219801 -	TSS_016977	1000	393	0	1 P	24nt upstream of gene PMM1264;
1219908 -	TSS_016979	1000	327	0	0 IP	within gene(s) PMM1265; 131nt upstream of gene PMM1264;
1220160 +	TSS_006668	1000	151	0	5 Ai	antisense to gene(s) PMM1265;
1221738 -	TSS_016988	1000	92	0	3 IP	within gene(s) PMM1267; 244nt upstream of gene PMM1266;
1223096 +	TSS_006679	1000	184	0	0 Ai	antisense to gene(s) PMM1269;
1223572 -	TSS_016991	1000	141	0	3 I	within gene(s) PMM1269;
1224017 -	TSS_016998	1000	6717	0	10 P	16nt upstream of gene PMM1269;
1224107 +	TSS_006686	1000	703	0	2 Ai	antisense to gene(s) PMM1270;
1224306 -	TSS_017006	1000	373	0	3 I	within gene(s) PMM1270;
1224483 +	TSS_006689	1000	1601	0	1 Ai	antisense to gene(s) PMM1270;
1225100 -	TSS_017022	1000	1375	0	2 P	20nt upstream of gene PMM1270;
1226399 +	TSS_006697	1000	2641	0	2 PAi	139nt upstream of gene PMM1273; antisense to gene(s) PMM1272;
1226493 -	TSS_017028	1000	7750	0	2 P	23nt upstream of gene PMM1272;
1228410 -	TSS_017034	1000	124	0	0 Ai	antisense to gene(s) PMM1274;
1228824 +	TSS_006706	1000	1238	0	3 P	13nt upstream of gene PMM1276;
1229316 +	TSS_006710	1000	905	0	6 Ai	antisense to gene(s) PMM1278;
1230808 -	TSS_017050	1000	309	0	2 I	within gene(s) PMM1280;
1231722 -	TSS_017056	1000	527	0	2 IP	within gene(s) PMM1281; 194nt upstream of gene PMM1280;
1233089 +	TSS_006729	1000	1427	0	1 Ai	antisense to gene(s) PMM1283;
1233818 -	TSS_017155	1000	42426	0	2 P	18nt upstream of gene PMM1283;
1235226 -	TSS_017168	1000	15372	0	4 P	16nt upstream of gene PMM1285;
1235758 +	TSS_006768	1000	145	0	2 Ai	antisense to gene(s) PMM1286;
1236777 -	TSS_017199	1000	7744	0	7 P	16nt upstream of gene PMM1286;
1238666 -	TSS_017213	1000	306	0	1 I	within gene(s) PMM1287;
1238943 -	TSS_024014	1000	1621	0	2 P	24nt upstream of gene PMM1287;
1239039 +	TSS_006778	1000	680	0	0 P	30nt upstream of gene PMM1288;
1239358 -	TSS_017216	1000	238	0	1 Ai	antisense to gene(s) PMM1288;
1239949 -	TSS_017222	1000	405	0	0 Ai	antisense to gene(s) PMM1288;
1240190 +	TSS_006812	1000	1009	0	1 Ai	antisense to gene(s) PMM1289;
1240340 +	TSS_006819	1000	169	0	2 Ai	antisense to gene(s) PMM1289;
1240490 -	TSS_017232	1000	700	0	0 I	within gene(s) PMM1289;
1240780 +	TSS_006826	1000	153	0	1 Ai	antisense to gene(s) PMM1289;
1240970 -	TSS_017248	1000	237	0	1 I	within gene(s) PMM1289;
1241067 -	TSS_017252	1000	10882	0	2 P	18nt upstream of gene PMM1289;

1241165 +	TSS_006832	1000	142	0	3 Ad	antisense to gene(s) PMM1290 (26nt downstream);
1241345 +	TSS_006835	1000	109	0	0 Ai	antisense to gene(s) PMM1290;
1242168 +	TSS_006837	1000	268	0	1 Ai	antisense to gene(s) PMM1290;
1242445 +	TSS_006839	1000	1278	0	2 Ai	antisense to gene(s) PMM1290;
1243570 -	TSS_017266	1000	139	0	0 Ai	antisense to gene(s) PMM1291;
1244009 +	TSS_006851	1000	229	0	0 Ai	antisense to gene(s) PMM1292;
1245509 +	TSS_006857	1000	2832	0	0 P	17nt upstream of gene PMM1293;
1245700 +	TSS_006865	1000	770	0	0 I	within gene(s) PMM1293;
1245796 +	TSS_006866	1000	1885	0	6 I	within gene(s) PMM1293;
1246156 +	TSS_009993	1000		0	0 I	17nt upstream of gene PMM1294;
1246440 -	TSS_017277	1000	121	0	0 Ai	antisense to gene(s) PMM1294;
1246482 +	TSS_006885	1000	120	0	1 IP	within gene(s) PMM1294; 248nt upstream of gene PMM1295;
1247681 -	TSS_017281	1000	235	0	0 P	20nt upstream of gene PMM1296;
1250130 -	TSS_017302	1000	2890	0	6 IP	within gene(s) PMM1299; 75nt upstream of gene PMM1298;
1250468 -	TSS_017308	1000	522	0	5 I	within gene(s) PMM1299;
1251088 +	TSS_006901	1000	225	0	0 P	15nt upstream of gene PMM1300;
1252018 +	TSS_006904	1000	109	0	0 I	within gene(s) PMM1300;
1252148 +	TSS_006906	1000	187	0	2 I	within gene(s) PMM1300;
1252727 -	TSS_017313	1000	489	0	0 O	-
1252970 +	TSS_006914	1000	1431	0	6 P	32nt upstream of gene PMM1301;
1253102 +	TSS_006915	1000	190	0	0 I	within gene(s) PMM1301;
1256224 +	TSS_006926	1000	137	0	3 Ai	antisense to gene(s) PMM1303;
1258142 -	TSS_017321	1000	224	0	12 P	16nt upstream of gene PMM1304;
1258258 +	TSS_006932	1000	758	0	6 P	15nt upstream of gene PMM1305;
1260324 +	TSS_006942	1000	91	0	3 I	within gene(s) PMM1306;
1260859 +	TSS_010105	1000		0	0 IP	within gene(s) PMM1306; 33nt upstream of gene PMM1307;
1261120 +	TSS_006947	1000	162	0	0 IP	within gene(s) PMM1307; 179nt upstream of gene PMM1308;
1262176 +	TSS_006950	1000	848	0	2 P	26nt upstream of gene PMM1309;
1263425 -	TSS_017349	1000	514	0	0 O	-
1263674 +	TSS_006980	1000	716	0	1 I	within gene(s) PMM1310;
1264789 -	TSS_017352	1000	106	0	0 I	within gene(s) PMM1311;
1264868 +	TSS_006988	1000	223	0	4 Ai	antisense to gene(s) PMM1311;
1265561 +	TSS_006991	1000	15215	0	4 I	within gene(s) PMM1312;
1266213 -	TSS_017356	1000	134	0	1 Ai	antisense to gene(s) PMM1312;
1266690 +	TSS_007010	1000	11753	0	2 P	20nt upstream of gene PMM1313;
1268104 +	TSS_007076	1000	3876	0	2 P	24nt upstream of gene PMM1315;
1270161 +	TSS_007111	1000	357	0	7 P	15nt upstream of gene PMM1317;
1270931 -	TSS_017384	1000	169	0	8 I	within gene(s) PMM1318;
1272067 -	TSS_017393	1000	97779	0	8 P	65nt upstream of gene PMM1321;
1273518 -	TSS_017400	1000	1726	0	3 Ai	antisense to gene(s) PMM1322;
1273698 +	TSS_007125	1000	153	0	0 I	within gene(s) PMM1322;
1274764 +	TSS_007134	1000	943	0	1 P	86nt upstream of gene PMM1323;
1275301 -	TSS_017407	1000	113	0	0 Ai	antisense to gene(s) PMM1323;
1275591 +	TSS_007141	1000	145	0	0 I	within gene(s) PMM1323;
1276011 -	TSS_017409	1000	598	0	2 Ai	antisense to gene(s) PMM1323;
1276210 +	TSS_007144	1000	234	0	0 I	within gene(s) PMM1324;
1276620 -	TSS_017414	1000	241	0	0 Ai	antisense to gene(s) PMM1324;
1276641 +	TSS_007147	1000	402	0	0 I	within gene(s) PMM1324;
1278318 +	TSS_007153	1000	390	0	0 IP	within gene(s) PMM1326; 106nt upstream of gene PMM1327;
1281106 -	TSS_017423	1000	297	0	0 IP	within gene(s) PMM1330; 132nt upstream of gene PMM1329;
1281349 -	TSS_017426	1000	167	0	0 P	30nt upstream of gene PMM1330;
1282915 +	TSS_007173	1000	144	0	1 I	within gene(s) PMM1332;
1284193 -	TSS_017436	1000	164	0	0 I	within gene(s) PMM1333;
1284754 +	TSS_007180	1000	141	0	1 Ai	antisense to gene(s) PMM1334;
1285667 -	TSS_017439	1000	173	0	3 I	within gene(s) PMM1335;
1286762 +	TSS_007193	1000	362	0	5 Ai	antisense to gene(s) PMM1337;
1286829 -	TSS_017449	1000	174	0	2 IP	within gene(s) PMM1337; 150nt upstream of gene PMM1336;
1287550 -	TSS_017452	1000	178	0	0 IP	within gene(s) PMM1338; 17nt upstream of gene PMM1337;
1287887 -	TSS_017460	1000	269	0	9 I	within gene(s) PMM1338;
1287977 -	TSS_017462	1000	170	0	2 I	within gene(s) PMM1338;
1288162 +	TSS_007201	1000	140	0	6 Ai	antisense to gene(s) PMM1338;
1288975 -	TSS_017473	1000	243	0	0 I	within gene(s) PMM1338;
1289984 -	TSS_017481	1000	151	0	2 I	within gene(s) PMM1339;
1290416 -	TSS_017484	1000	96	0	2 I	within gene(s) PMM1339;
1290486 +	TSS_007208	1000	88	0	0 P	90nt upstream of gene PMM1340;
1291245 -	TSS_017488	1000	139	0	0 Ai	antisense to gene(s) PMM1340;
1291318 -	TSS_017489	1000	248	0	0 Ai	antisense to gene(s) PMM1340;
1291478 +	TSS_007213	1000	1722	0	2 I	within gene(s) PMM1340;
1291709 -	TSS_017490	1000	119	0	0 Ai	antisense to gene(s) PMM1340;
1292169 -	TSS_017493	1000	153	0	2 Ai	antisense to gene(s) PMM1341;
1293363 +	TSS_007228	1000	104	0	0 I	within gene(s) PMM1341;
1293438 +	TSS_007231	1000	330	0	0 I	within gene(s) PMM1341;
1293828 +	TSS_007234	1000	209	0	2 I	within gene(s) PMM1341;
1295522 -	TSS_017510	1000	120	0	0 P	13nt upstream of gene PMM1342;
1295943 -	TSS_017513	1000	121	0	0 P	48nt upstream of gene PMM1343;
1296395 +	TSS_007250	1000	9025	0	7 IP	within gene(s) PMM1344; 96nt upstream of gene PMM1345;
1297508 -	TSS_017522	1000	444	0	6 P	89nt upstream of gene PMM1346;
1299151 +	TSS_007262	1000	408	0	0 Ai	antisense to gene(s) PMM1348;
1299756 +	TSS_007264	1000	160	0	2 P	9nt upstream of gene PMM1349;
1300005 +	TSS_007266	1000	175	0	5 I	within gene(s) PMM1349;
1300564 -	TSS_017530	1000	127	0	0 Ai	antisense to gene(s) PMM1349;

1300764 +	TSS_007274	1000	12468	0	2 I	within gene(s) PMM1350;
1302130 -	TSS_017551	1000	18291	0	2 P	33nt upstream of gene PMM1352;
1302279 -	TSS_017555	1000	215	0	4 IP	within gene(s) PMM1353; 182nt upstream of gene PMM1352;
1304163 +	TSS_007316	1000	741	0	0 Ai	antisense to gene(s) PMM1354;
1304765 -	TSS_017575	1000	1212	0	4 P	19nt upstream of gene PMM1354;
1307622 +	TSS_007327	1000	556	0	0 O	-
1309146 -	TSS_017584	1000	124	0	0 I	within gene(s) PMM1360;
1309784 +	TSS_007330	1000	127	0	2 P	56nt upstream of gene PMM1361;
1313108 +	TSS_007340	1000	1165	0	3 P	16nt upstream of gene PMM1365;
1315509 -	TSS_017597	1000	1479	0	7 P	15nt upstream of gene PMM1368;
1316344 -	TSS_017609	1000	926	0	5 P	10nt upstream of gene PMM1369;
1317860 +	TSS_007358	1000	97	0	0 O	-
1318282 -	TSS_017617	1000	111	0	0 O	-
1319591 +	TSS_007363	1000	6092	0	2 O	-
1319966 +	TSS_007369	1000	589	0	2 P	13nt upstream of gene PMM1372;
1321010 +	TSS_007374	1000	5699	0	2 O	-
1322462 -	TSS_017626	1000	627	0	0 O	-
1322954 -	TSS_017628	1000	263	0	0 P	15nt upstream of gene PMM1374;
1324248 +	TSS_007385	1000	665	0	0 P	19nt upstream of gene PMM1377;
1326668 -	TSS_017637	1000	15177	0	2 O	-
1328576 +	TSS_007394	1000	106	0	0 O	-
1328956 -	TSS_017642	1000	8070	0	2 O	-
1329106 +	TSS_007397	1000	569	0	3 O	-
1332432 +	TSS_007407	1000	3521	0	2 O	-
1332606 -	TSS_017652	1000	183	0	4 O	-
1332932 -	TSS_017653	1000	97	0	0 I	within gene(s) PMM1383;
1333562 -	TSS_017656	1000	128	0	1 P	188nt upstream of gene PMM1383;
1334143 +	TSS_007412	1000	201	0	0 O	-
1334592 +	TSS_007415	1000	0	5 P	21nt upstream of gene PMM1384;	
1335359 +	TSS_007426	1000	26107	0	2 O	-
1336436 +	TSS_007433	1000	469	0	0 O	-
1338319 -	TSS_017666	1000	241	0	5 Ai	antisense to gene(s) PMM1386;
1338981 +	TSS_007441	1000	197	0	2 P	17nt upstream of gene PMM1387;
1339834 -	TSS_017670	1000	333	0	0 P	32nt upstream of gene PMM1388;
1341449 +	TSS_007446	1000	135	0	0 P	15nt upstream of gene PMM1391;
1343374 +	TSS_007449	1000	149	0	0 I	within gene(s) PMM1394;
1343856 -	TSS_017680	1000	4699	0	8 O	-
1344022 -	TSS_017683	1000	152	0	2 O	-
1345690 -	TSS_024748	1000	5034	0	5 P	16nt upstream of gene PMM1399;
1346497 -	TSS_017730	1000	388	0	0 I	within gene(s) PMM1400;
1346865 -	TSS_024786	1000	78431	0	3 P	239nt upstream of gene PMM1400;
1346985 +	TSS_007461	1000	2513	0	0 P	146nt upstream of gene PMM1401;
1347115 +	TSS_010871	1000	2891	0	2 P	16nt upstream of gene PMM1401;
1347808 +	TSS_007465	1000	223	0	2 P	21nt upstream of gene PMM1402;
1350386 -	TSS_017753	1000	7268	0	5 P	18nt upstream of gene PMM1404;
1351013 -	TSS_017759	1000	614	0	4 P	26nt upstream of gene PMM1405;
1352055 -	TSS_017763	1000	485	0	0 P	24nt upstream of gene PMM1408;
1352429 -	TSS_017766	1000	793	0	2 P	18nt upstream of gene PMM1409;
1353625 -	TSS_017772	1000	267	0	6 O	-
1353716 -	TSS_024834	1000	1367	0	1 O	-
1354656 +	TSS_007483	1000	812	0	1 P	26nt upstream of gene PMM1412;
1355165 +	TSS_007492	1000	1062	0	2 P	17nt upstream of gene PMM1413;
1355765 +	TSS_007495	1000	142	0	2 IP	within gene(s) PMM1414; 230nt upstream of gene PMM1415;
1356437 -	TSS_017783	1000	331	0	0 Ai	antisense to gene(s) PMM1415;
1356695 +	TSS_007499	1000	93	0	0 I	within gene(s) PMM1415;
1357783 +	TSS_007505	1000	132	0	0 I	within gene(s) PMM1416;
1358056 +	TSS_007507	1000	136	0	2 I	within gene(s) PMM1416;
1358652 +	TSS_007515	1000	929	0	0 I	within gene(s) PMM1416;
1358898 -	TSS_017795	1000	425	0	0 Ai	antisense to gene(s) PMM1416;
1359810 -	TSS_017801	1000	384	0	6 Ai	antisense to gene(s) PMM1416;
1359899 -	TSS_017809	1000	217	0	7 O	-
1360185 -	TSS_017814	1000	23873	0	3 O	-
1362875 +	TSS_007533	1000	252	0	0 Ai	antisense to gene(s) PMM1421 PMM1422;
1363264 -	TSS_017821	1000	262	0	7 I	within gene(s) PMM1422;
1363417 -	TSS_017822	1000	270	0	0 P	27nt upstream of gene PMM1422;
1364352 -	TSS_017830	1000	3808	0	1 P	202nt upstream of gene PMM1424;
1364483 +	TSS_007537	1000	222	0	0 O	-
1365171 +	TSS_007540	1000	126	0	4 P	15nt upstream of gene PMM1425;
1366150 -	TSS_017834	1000	278	0	2 Ai	antisense to gene(s) PMM1425;
1366222 -	TSS_017836	1000	250	0	0 Ai	antisense to gene(s) PMM1425;
1367108 +	TSS_011000	1000	0	0 P	18nt upstream of gene PMM1427;	
1367587 +	TSS_007545	1000	290	0	2 P	92nt upstream of gene PMM1428;
1369350 -	TSS_017841	1000	139	0	0 P	19nt upstream of gene PMM1431;
1369959 +	TSS_007554	1000	151	0	1 I	within gene(s) PMM1432;
1371646 +	TSS_007561	1000	797	0	4 P	31nt upstream of gene PMM1434;
1372149 -	TSS_017853	1000	1481	0	1 Ai	antisense to gene(s) PMM1434;
1372986 +	TSS_007570	1000	131	0	0 I	within gene(s) PMM1434;
1373308 +	TSS_007573	1000	2240	0	4 P	17nt upstream of gene PMM1435;
1373532 +	TSS_007576	1000	457	0	1 I	within gene(s) PMM1435;
1373679 +	TSS_007579	1000	1293	0	0 Ai	antisense to gene(s) PMM1436;
1374806 -	TSS_018016	1000	1734	0	18 I	within gene(s) PMM1436;

1374887 +	TSS_007611	1000	312	0	0 Ai	antisense to gene(s) PMM1436;
1375257 +	TSS_007617	1000	2944	0	1 Ai	antisense to gene(s) PMM1436;
1375708 -	TSS_025122	1000		0	4 P	71nt upstream of gene PMM1437;
1375811 +	TSS_007625	1000	1176	0	1 P	21nt upstream of gene PMM1438;
1377943 +	TSS_007718	1000	171	0	1 Ai	antisense to gene(s) PMM1440;
1378269 -	TSS_025142	1000	12461	0	3 P	18nt upstream of gene PMM1440;
1378535 -	TSS_018171	1000	155	0	0 P	17nt upstream of gene PMM1441;
1378674 +	TSS_007728	1000	390	0	2 Ai	antisense to gene(s) PMM1442;
1379477 +	TSS_007734	1000	8941	0	9 Ai	antisense to gene(s) PMM1442;
1379556 +	TSS_007737	1000	852	0	0 Ai	antisense to gene(s) PMM1442;
1379949 +	TSS_007739	1000	135	0	0 P	27nt upstream of gene PMM1443;
1380019 +	TSS_007743	1000	377	0	6 I	within gene(s) PMM1443;
1380876 +	TSS_007754	1000	2604	0	2 IP	within gene(s) PMM1443; 80nt upstream of gene PMM1444;
1382749 +	TSS_007760	1000	148	0	0 IP	within gene(s) PMM1445; 31nt upstream of gene PMM1446;
1385792 +	TSS_007769	1000	751	0	3 Ai	antisense to gene(s) PMM1449;
1386095 +	TSS_007773	1000	242	0	1 Ai	antisense to gene(s) PMM1450;
1386700 +	TSS_007780	1000	433	0	0 Ai	antisense to gene(s) PMM1450;
1387132 -	TSS_018258	1000	114	0	6 IP	within gene(s) PMM1451; 89nt upstream of gene PMM1450;
1388669 -	TSS_018386	1000	4453	0	8 IP	within gene(s) PMM1452; 88nt upstream of gene PMM1451;
1388825 -	TSS_018394	1000	319	0	1 IP	within gene(s) PMM1452; 244nt upstream of gene PMM1451;
1389346 -	TSS_018403	1000	875	0	6 IP	within gene(s) PMM1453; 191nt upstream of gene PMM1452;
1390543 -	TSS_018403	1000		0	0 P	104nt upstream of gene PMM1455;
1391446 -	TSS_018450	1000	163	0	2 IP	within gene(s) PMM1457; 115nt upstream of gene PMM1456;
1391900 -	TSS_018457	1000	351	0	1 P	44nt upstream of gene PMM1457;
1392904 -	TSS_018459	1000	157	0	4 Ai	antisense to gene(s) PMM1458;
1393119 +	TSS_007826	1000	100	0	0 I	within gene(s) PMM1458;
1393186 +	TSS_007827	1000	573	0	0 I	within gene(s) PMM1458;
1393368 +	TSS_007830	1000	1989	0	2 P	69nt upstream of gene PMM1459;
1395953 +	TSS_007839	1000	1515	0	5 P	14nt upstream of gene PMM1462;
1396223 +	TSS_007842	1000	3623	0	4 P	14nt upstream of gene PMM1463;
1397666 +	TSS_007854	1000	2038	0	4 P	16nt upstream of gene PMM1465;
1398965 +	TSS_007876	1000	117	0	1 IP	within gene(s) PMM1465; 53nt upstream of gene PMM1466;
1401712 -	TSS_018480	1000	157	0	0 I	within gene(s) PMM1467;
1403187 -	TSS_018487	1000	1106	0	1 P	46nt upstream of gene PMM1467;
1410558 +	TSS_007896	1000	135	0	0 Ai	antisense to gene(s) PMM1476;
1411576 -	TSS_018507	1000	6619	0	3 P	17nt upstream of gene PMM1479;
1412048 +	TSS_007901	1000	274	0	0 Ai	antisense to gene(s) PMM1480;
1412609 -	TSS_018513	1000	633	0	5 P	161nt upstream of gene PMM1480;
1413912 +	TSS_007904	1000	445	0	0 O	-
1414968 -	TSS_018571	1000	556	0	10 I	within gene(s) PMM1483;
1416430 +	TSS_007945	1000	530	0	6 Ai	antisense to gene(s) PMM1483;
1416999 -	TSS_018730	1000	2145	0	5 I	within gene(s) PMM1483;
1417887 -	TSS_018792	1000	240	0	7 I	within gene(s) PMM1483;
1418150 +	TSS_007967	1000	1660	0	1 Ai	antisense to gene(s) PMM1484;
1418507 +	TSS_007976	1000	2063	0	1 Ai	antisense to gene(s) PMM1484;
1419267 -	TSS_018869	1000	658	0	5 I	within gene(s) PMM1484;
1419883 +	TSS_008002	1000	407	0	1 Ai	antisense to gene(s) PMM1484;
1420518 +	TSS_008005	1000	403	0	2 Ai	antisense to gene(s) PMM1485;
1422142 +	TSS_008029	1000	311	0	0 Ai	antisense to gene(s) PMM1485;
1422752 -	TSS_019004	1000	212	0	0 I	within gene(s) PMM1485;
1422856 -	TSS_019005	1000	314	0	0 I	within gene(s) PMM1485;
1423046 -	TSS_019006	1000	169	0	1 I	within gene(s) PMM1485;
1423524 -	TSS_019012	1000	717	0	5 P	211nt upstream of gene PMM1485;
1423961 +	TSS_008036	1000	252	0	0 Ai	antisense to gene(s) PMM1486;
1424666 -	TSS_019021	1000	359	0	6 P	20nt upstream of gene PMM1487;
1426785 -	TSS_019038	1000	619	0	3 P	38nt upstream of gene PMM1489;
1427278 +	TSS_008046	1000	271	0	2 Ai	antisense to gene(s) PMM1490;
1428507 +	TSS_008050	1000	754	0	0 IP	within gene(s) PMM1491; 98nt upstream of gene PMM1492;
1428986 +	TSS_008060	1000	161	0	0 I	within gene(s) PMM1492;
1429590 +	TSS_008075	1000	443	0	8 I	within gene(s) PMM1492;
1431142 +	TSS_008104	1000	715	0	7 I	within gene(s) PMM1494;
1431241 +	TSS_008110	1000	320	0	6 I	within gene(s) PMM1494;
1433023 +	TSS_008171	1000	1021	0	3 I	within gene(s) PMM1494;
1433296 +	TSS_008177	1000	358	0	0 I	within gene(s) PMM1494;
1435445 +	TSS_008191	1000	306	0	0 I	within gene(s) PMM1496;
1436999 +	TSS_008197	1000	2155	0	1 P	24nt upstream of gene PMM1498;
1437356 -	TSS_019089	1000	677	0	1 Ai	antisense to gene(s) PMM1498;
1439023 -	TSS_019098	1000	929	0	0 I	within gene(s) PMM1499;
1439399 +	TSS_008223	1000	177	0	0 Ai	antisense to gene(s) PMM1500;
1440282 -	TSS_019119	1000	1141	0	1 P	23nt upstream of gene PMM1500;
1440561 +	TSS_008230	1000	218	0	0 I	within gene(s) PMM1501;
1441843 +	TSS_011722	1000	9587	0	3 I	within gene(s) PMM1501;
1443305 +	TSS_008235	1000	1503	0	2 PAi	201nt upstream of gene PMM1504; antisense to gene(s) PMM1503;
1443593 -	TSS_019128	1000	784	0	1 PAi	140nt upstream of gene PMM1503; antisense to gene(s) PMM1504;
1444017 -	TSS_019131	1000	140	0	2 Ai	antisense to gene(s) PMM1504;
1446380 -	TSS_019144	1000	4070	0	7 P	60nt upstream of gene PMM1507;
1447058 +	TSS_008266	1000	1623	0	1 Ai	antisense to gene(s) PMM1508;
1447086 -	TSS_019202	1000	1842	0	0 I	within gene(s) PMM1508;
1447634 +	TSS_008277	1000	535	0	1 O	-
1448025 -	TSS_019253	1000	33651	0	6 I	within gene(s) PMM1509;
1449812 -	TSS_026256	1000	3354	0	5 P	64nt upstream of gene PMM1509;

1450427 -	TSS_019360	1000	1755	0	9 IP	within gene(s) PMM1511; 104nt upstream of gene PMM1510;
1450752 -	TSS_026278	1000	2146	0	5 P	25nt upstream of gene PMM1511;
1450891 +	TSS_011781	1000	261	0	5 P	31nt upstream of gene PMM1512;
1452589 -	TSS_019376	1000	128	0	1 Ai	antisense to gene(s) PMM1512;
1454166 +	TSS_008330	1000	143	0	2 I	within gene(s) PMM1512;
1454543 +	TSS_008337	1000	318	0	3 I	within gene(s) PMM1512;
1454745 +	TSS_008339	1000	126	0	1 I	within gene(s) PMM1512;
1456713 -	TSS_019390	1000	2980	0	4 P	20nt upstream of gene PMM1514;
1459395 -	TSS_019394	1000	117	0	0 Ai	antisense to gene(s) PMM1518;
1460363 -	TSS_019411	1000	14043	0	3 P	15nt upstream of gene PMM1520;
1462291 -	TSS_019457	1000	5199	0	13 I	within gene(s) PMM1523;
1462416 -	TSS_019467	1000	5017	0	36 I	within gene(s) PMM1523;
1464275 -	TSS_019709	1000	5123	0	10 IP	within gene(s) PMM1524; 142nt upstream of gene PMM1523;
1464704 -	TSS_019746	1000	3643	0	18 I	within gene(s) PMM1524;
1465661 -	TSS_019863	1000	5893	0	33 I	within gene(s) PMM1524;
1466574 -	TSS_026889	1000	158379	0	2 P	109nt upstream of gene PMM1524;
1468533 -	TSS_019956	1000	284	0	0 Ai	antisense to gene(s) PMM1525;
1468704 +	TSS_008460	1000	90	0	7 P	21nt upstream of gene PMM1526;
1469172 +	TSS_008462	1000	140	0	0 I	within gene(s) PMM1526;
1469928 -	TSS_019961	1000	144	0	0 I	within gene(s) PMM1527;
1470923 -	TSS_019964	1000	158	0	0 P	35nt upstream of gene PMM1527;
1470954 +	TSS_008468	1000	541	0	2 P	15nt upstream of gene PMM1528;
1471756 +	TSS_008472	1000	251	0	0 Ai	antisense to gene(s) PMM1529;
1473037 -	TSS_019982	1000	471	0	7 IP	within gene(s) PMM1531; 166nt upstream of gene PMM1530;
1473409 -	TSS_019991	1000	298	0	6 IP	within gene(s) PMM1532; 114nt upstream of gene PMM1531;
1473764 -	TSS_026938	1000	4813	0	4 P	28nt upstream of gene PMM1532;
1474126 -	TSS_020011	1000	206	0	0 I	within gene(s) PMM1533;
1474906 -	TSS_020017	1000	333	0	4 IP	within gene(s) PMM1534; 247nt upstream of gene PMM1533;
1475305 -	TSS_020030	1000	953	0	0 I	within gene(s) PMM1535;
1475507 -	TSS_020036	1000	263	0	0 I	within gene(s) PMM1535;
1476176 -	TSS_020052	1000	242	0	18 IP	within gene(s) PMM1536; 175nt upstream of gene PMM1535;
1476326 -	TSS_020063	1000	264	0	19 I	within gene(s) PMM1536;
1477037 -	TSS_027000	1000	65911	0	2 P	21nt upstream of gene PMM1538;
1478505 -	TSS_020121	1000	362	0	0 I	within gene(s) PMM1540;
1478791 +	TSS_008510	1000	169	0	0 Ai	antisense to gene(s) PMM1540;
1479684 +	TSS_008519	1000	894	0	0 Ai	antisense to gene(s) PMM1542;
1480030 -	TSS_020176	1000	93	0	0 I	within gene(s) PMM1542;
1480604 -	TSS_020214	1000	13713	0	12 IP	within gene(s) PMM1544; 178nt upstream of gene PMM1543;
1482034 -	TSS_020312	1000	536	0	1 IP	within gene(s) PMM1547; 93nt upstream of gene PMM1546;
1483975 +	TSS_008614	1000	924	0	1 Ai	antisense to gene(s) PMM1552;
1484971 -	TSS_020521	1000	974	0	10 IP	within gene(s) PMM1554; 134nt upstream of gene PMM1553;
1485370 -	TSS_020549	1000	2010	0	0 I	within gene(s) PMM1555;
1486430 -	TSS_020640	1000	988	0	7 IP	within gene(s) PMM1557; 94nt upstream of gene PMM1556;
1487844 -	TSS_027287	1000	2273	0	1 P	229nt upstream of gene PMM1558;
1487895 +	TSS_008689	1000	783	0	1 P	13nt upstream of gene PMM1559;
1489480 +	TSS_008697	1000	400	0	6 P	92nt upstream of gene PMM1561;
1490373 +	TSS_012048	1000	1656	0	2 P	85nt upstream of gene PMM1562;
1490650 +	TSS_008712	1000	550	0	10 I	within gene(s) PMM1562;
1490789 -	TSS_020725	1000	278	0	2 Ai	antisense to gene(s) PMM1562;
1491832 -	TSS_020737	1000	194	0	1 P	14nt upstream of gene PMM1563;
1493560 -	TSS_020738	1000	109	0	0 Ai	antisense to gene(s) PMM1565;
1494281 +	TSS_008753	1000	278	0	0 Ai	antisense to gene(s) PMM1566;
1494828 +	TSS_008756	1000	104	0	8 Ai	antisense to gene(s) PMM1566;
1495329 +	TSS_008757	1000	1079	0	2 Ai	antisense to gene(s) PMM1566;
1495758 -	TSS_020748	1000	1530	0	3 PAi	19nt upstream of gene PMM1566; antisense to gene(s) PMM1567;
1496620 +	TSS_008761	1000	585	0	0 IAd	within gene(s) PMM1567; antisense to gene(s) PMM1568 (11nt downstream);
1497016 -	TSS_020764	1000	11428	0	10 P	21nt upstream of gene PMM1568;
1497103 -	TSS_020768	1000	124	0	2 P	108nt upstream of gene PMM1568;
1499500 -	TSS_020778	1000	111	0	2 I	within gene(s) PMM1570;
1499641 -	TSS_020780	1000	304	0	0 P	35nt upstream of gene PMM1570;
1499652 +	TSS_008780	1000	188	0	11 P	65nt upstream of gene PMM1571;
1501198 +	TSS_008788	1000	135	0	0 Ai	antisense to gene(s) PMM1573;
1502320 -	TSS_020787	1000	125	0	0 I	within gene(s) PMM1574;
1503407 +	TSS_008797	1000	162	0	1 Ai	antisense to gene(s) PMM1575;
1504039 -	TSS_020812	1000	168	0	0 I	within gene(s) PMM1575;
1504074 +	TSS_008803	1000	10	0.0000064	0 Ai	antisense to gene(s) PMM1575;
1504964 -	TSS_020824	1000	178	0	0 I	within gene(s) PMM1575;
1505706 -	TSS_020830	1000	648	0	0 I	within gene(s) PMM1575;
1508411 -	TSS_020839	1000	249	0	1 P	11nt upstream of gene PMM1577;
1508562 +	TSS_008812	1000	255	0	1 Ai	antisense to gene(s) PMM1578;
1508903 -	TSS_027468	1000	72639	0	6 P	21nt upstream of gene PMM1578;
1510763 -	TSS_020866	1000	151	0	0 I	within gene(s) PMM1580;
1511027 +	TSS_008820	1000	993	0	1 Ai	antisense to gene(s) PMM1580;
1512795 -	TSS_020872	1000	948	0	1 P	92nt upstream of gene PMM1581;
1513258 -	TSS_020877	1000	116	0	0 Ai	antisense to gene(s) PMM1582;
1513707 -	TSS_020878	1000	363	0	0 Ai	antisense to gene(s) PMM1582;
1514262 -	TSS_020880	1000	155	0	0 I	within gene(s) PMM1583;
1515544 -	TSS_020887	1000	644	0	1 I	within gene(s) PMM1585;
1517074 -	TSS_020891	1000	115	0	0 P	173nt upstream of gene PMM1586;
1518093 -	TSS_020891	1000	0	0	3 I	51nt upstream of gene PMM1588;
1518815 -	TSS_020898	1000	154	0	3 I	within gene(s) PMM1589;

1519244 -	TSS_020908	1000	971	0	1 P	24nt upstream of gene PMM1589;
1523570 -	TSS_020922	1000	1103	0	1 P	23nt upstream of gene PMM1594;
1524215 +	TSS_008856	1000	233	0	2 P	40nt upstream of gene PMM1596;
1525299 +	TSS_008863	1000	107	0	9 I	within gene(s) PMM1596;
1527577 +	TSS_008869	1000	100	0	1 Ai	antisense to gene(s) PMM1598;
1528833 -	TSS_020944	1000	255	0	4 P	16nt upstream of gene PMM1599;
1529501 -	TSS_020964	1000	296	0	0 I	within gene(s) PMM1600;
1530109 +	TSS_008881	1000	311	0	0 Ai	antisense to gene(s) PMM1600;
1530254 -	TSS_020983	1000	4762	0	2 P	27nt upstream of gene PMM1600;
1530378 +	TSS_008884	1000	7600	0	3 P	3nt upstream of gene PMM1601;
1531400 -	TSS_020992	1000	336	0	0 Ai	antisense to gene(s) PMM1601;
1533752 -	TSS_021001	1000	10495	0	8 P	14nt upstream of gene PMM1602;
1533863 -	TSS_021007	1000	118	0	0 P	125nt upstream of gene PMM1602;
1533931 +	TSS_021008	1000	0	0	0 O	-
1535492 -	TSS_021021	1000	257	0	0 PAi	224nt upstream of gene PMM1604; antisense to gene(s) PMM1605;
1536359 -	TSS_021027	1000	112	0	1 I	within gene(s) PMM1606;
1537533 -	TSS_021034	1000	468	0	0 I	within gene(s) PMM1606;
1537744 +	TSS_008932	1000	218	0	0 Ai	antisense to gene(s) PMM1606;
1538095 -	TSS_027681	1000	29801	0	9 P	22nt upstream of gene PMM1607;
1538185 +	TSS_012854	1000	8049	0	2 P	23nt upstream of gene PMM1608;
1539467 +	TSS_008960	1000	2715	0	1 I	within gene(s) PMM1609;
1539568 +	TSS_008963	1000	758	0	2 IP	within gene(s) PMM1609; 176nt upstream of gene PMM1610;
1539778 -	TSS_021060	1000	353	0	2 Ai	antisense to gene(s) PMM1610;
1543254 -	TSS_021122	1000	2481	0	2 P	126nt upstream of gene PMM1611;
1543584 +	TSS_009046	1000	437	0	0 Ai	antisense to gene(s) PMM1613;
1543786 +	TSS_009047	1000	343	0	0 Ai	antisense to gene(s) PMM1613;
1546552 -	TSS_021140	1000	613	0	0 I	within gene(s) PMM1615;
1547526 +	TSS_009063	1000	438	0	0 Ai	antisense to gene(s) PMM1618;
1548296 +	TSS_009070	1000	105	0	7 Ai	antisense to gene(s) PMM1618;
1548968 -	TSS_021150	1000	148	0	0 P	25nt upstream of gene PMM1618;
1549235 -	TSS_021156	1000	1221	0	0 I	within gene(s) PMM1619;
1549500 -	TSS_021169	1000	241	0	12 I	within gene(s) PMM1619;
1549798 -	TSS_027963	1000	7806	0	8 P	58nt upstream of gene PMM1619;
1550719 -	TSS_021174	1000	110	0	0 I	within gene(s) PMM1621;
1551244 +	TSS_009076	1000	106	0	2 Ai	antisense to gene(s) PMM1622;
1552273 -	TSS_021192	1000	2162	0	4 P	14nt upstream of gene PMM1622;
1552380 +	TSS_009083	1000	268	0	1 P	12nt upstream of gene PMM1623;
1552921 +	TSS_009089	1000	180	0	0 Ai	antisense to gene(s) PMM1624;
1554498 -	TSS_021285	1000	881	0	15 I	within gene(s) PMM1625;
1554856 -	TSS_021329	1000	7453	0	4 P	16nt upstream of gene PMM1625;
1556300 -	TSS_021336	1000	156	0	0 P	17nt upstream of gene PMM1627;
1557432 +	TSS_009123	1000	356	0	1 Ai	antisense to gene(s) PMM1629;
1557486 -	TSS_021342	1000	146	0	13 I	within gene(s) PMM1629;
1558291 -	TSS_021383	1000	1119	0	2 P	18nt upstream of gene PMM1629;
1558425 +	TSS_009132	1000	228	0	0 Ai	antisense to gene(s) PMM1630;
1559126 -	TSS_021401	1000	183	0	0 I	within gene(s) PMM1630;
1559756 -	TSS_021427	1000	9490	0	9 I	within gene(s) PMM1630;
1561061 -	TSS_021445	1000	8699	0	3 IP	within gene(s) PMM1634; 205nt upstream of gene PMM1633;
1561701 +	TSS_009149	1000	177	0	2 Ai	antisense to gene(s) PMM1634;
1562872 -	TSS_028599	1000	700	0	1 P	52nt upstream of gene PMM1634;
1563062 -	TSS_021488	1000	268	0	4 PAi	242nt upstream of gene PMM1634; antisense to gene(s) PMM1635;
1563853 +	TSS_028602	1000	0	0	0 P	71nt upstream of gene PMM1636;
1563968 -	TSS_021493	1000	559	0	0 Ai	antisense to gene(s) PMM1636;
1564062 +	TSS_009161	1000	721	0	0 I	within gene(s) PMM1636;
1564123 -	TSS_021494	1000	732	0	0 Ai	antisense to gene(s) PMM1636;
1565055 -	TSS_021497	1000	266	0	0 Ai	antisense to gene(s) PMM1637;
1566190 -	TSS_021501	1000	164	0	0 Ai	antisense to gene(s) PMM1638;
1566861 +	TSS_009176	1000	151	0	1 Ai	antisense to gene(s) PMM1639;
1567306 -	TSS_021525	1000	152	0	3 I	within gene(s) PMM1639;
1568018 -	TSS_021542	1000	192	0	9 I	within gene(s) PMM1639;
1568329 +	TSS_009191	1000	221	0	0 Ai	antisense to gene(s) PMM1639;
1569177 -	TSS_021576	1000	487	0	0 P	31nt upstream of gene PMM1639;
1569383 +	TSS_009200	1000	386	0	1 I	within gene(s) PMM1640;
1570531 -	TSS_021581	1000	3692	0	2 I	within gene(s) PMM1642;
1570651 -	TSS_021585	1000	0	0	0 P	14nt upstream of gene PMM1642;
1571379 -	TSS_021592	1000	164	0	0 P	16nt upstream of gene PMM1643;
1571635 -	TSS_028741	1000	4670	0	0 P	26nt upstream of gene PMM1644;
1571739 +	TSS_009205	1000	287	0	0 P	14nt upstream of gene PMM1645;
1573488 -	TSS_021600	1000	121	0	0 Ai	antisense to gene(s) PMM1645;
1576258 +	TSS_009214	1000	396	0	0 I	within gene(s) PMM1648;
1576861 +	TSS_009219	1000	797	0	2 I	within gene(s) PMM1648;
1579478 -	TSS_028794	1000	0	0	0 I	within gene(s) PMM1649;
1580087 -	TSS_021636	1000	214	0	3 P	22nt upstream of gene PMM1649;
1580887 -	TSS_021645	1000	1840	0	3 I	within gene(s) PMM1650;
1582484 +	TSS_009246	1000	275	0	0 Ai	antisense to gene(s) PMM1652;
1582766 -	TSS_021667	1000	343	0	2 I	within gene(s) PMM1652;
1583497 -	TSS_021692	1000	283	0	0 I	within gene(s) PMM1652;
1584409 -	TSS_021701	1000	3969	0	2 I	within gene(s) PMM1653;
1584725 +	TSS_009262	1000	219	0	1 Ai	antisense to gene(s) PMM1653;
1585023 -	TSS_021709	1000	1473	0	5 IP	within gene(s) PMM1654; 71nt upstream of gene PMM1653;
1586076 +	TSS_009270	1000	144	0	8 P	32nt upstream of gene PMM1655;

1587579 +	TSS_009276	1000	768	0	2 P	16nt upstream of gene PMM1656;
1588301 +	TSS_009285	1000	2386	0	5 P	45nt upstream of gene PMM1657;
1589048 +	TSS_009308	1000	582	0	12 I	within gene(s) PMM1657;
1590631 -	TSS_021725	1000	231	0	0 Ai	antisense to gene(s) PMM1658;
1594453 +	TSS_009330	1000	2540	0	5 P	19nt upstream of gene PMM1661;
1594701 +	TSS_009332	1000	500	0	0 I	within gene(s) PMM1662;
1596577 +	TSS_013259	1000	1191	0	4 P	32nt upstream of gene PMM1665;
1597137 +	TSS_009358	1000	227	0	11 I	within gene(s) PMM1665;
1599261 -	TSS_021749	1000	827	0	0 P	34nt upstream of gene PMM1667;
1602622 -	TSS_021788	1000	106	0	4 I	within gene(s) PMM1669;
1604240 -	TSS_021796	1000	272	0	1 IP	within gene(s) PMM1671; 236nt upstream of gene PMM1670;
1604740 -	TSS_021800	1000	273	0	2 P	24nt upstream of gene PMM1671;
1604757 +	TSS_009398	1000	108	0	4 I	within gene(s) PMM1672;
1605445 +	TSS_009413	1000	212	0	4 I	within gene(s) PMM1672;
1605722 -	TSS_021804	1000	124	0	0 Ai	antisense to gene(s) PMM1672;
1606251 +	TSS_009426	1000	252	0	2 P	15nt upstream of gene PMM1674;
1607611 +	TSS_009433	1000	1085	0	2 IP	within gene(s) PMM1674; 49nt upstream of gene PMM1675;
1607768 -	TSS_021809	1000	767	0	1 Ai	antisense to gene(s) PMM1675;
1609627 +	TSS_009442	1000	523	0	2 P	4nt upstream of gene PMM1676;
1610827 -	TSS_021827	1000	206	0	0 O	-
1611481 +	TSS_009445	1000	1933	0	1 P	15nt upstream of gene PMM1678;
1616290 +	TSS_009466	1000	437	0	0 Ai	antisense to gene(s) PMM1682;
1616930 -	TSS_021857	1000	727	0	6 P	26nt upstream of gene PMM1682;
1617422 -	TSS_021863	1000	704	0	9 P	93nt upstream of gene PMM1683;
1618289 +	TSS_009474	1000	128	0	6 IP	within gene(s) PMM1684; 78nt upstream of gene PMM1685;
1618516 +	TSS_009477	1000	160	0	0 I	within gene(s) PMM1685;
1618595 +	TSS_009478	1000	144	0	0 I	within gene(s) PMM1685;
1619698 -	TSS_021867	1000	219	0	0 Ai	antisense to gene(s) PMM1686;
1619840 -	TSS_021868	1000	208	0	0 Ai	antisense to gene(s) PMM1686;
1620131 +	TSS_009482	1000	327	0	4 P	24nt upstream of gene PMM1687;
1621301 +	TSS_009487	1000	510	0	4 P	25nt upstream of gene PMM1688;
1622476 -	TSS_021873	1000	1298	0	7 Ai	antisense to gene(s) PMM1688;
1623168 +	TSS_009497	1000	1215	0	7 P	29nt upstream of gene PMM1689;
1623293 +	TSS_009503	1000	435	0	2 I	within gene(s) PMM1689;
1624375 +	TSS_009510	1000	228	0	0 I	within gene(s) PMM1689;
1624911 -	TSS_021879	1000	104	0	0 Ai	antisense to gene(s) PMM1690;
1625074 -	TSS_021880	1000	249	0	0 Ai	antisense to gene(s) PMM1690;
1628185 -	TSS_021885	1000	229	0	1 Ai	antisense to gene(s) PMM1693;
1628842 -	TSS_021886	1000	130	0	1 I	within gene(s) PMM1694;
1628980 +	TSS_009519	1000	431	0	2 PAi	173nt upstream of gene PMM1695; antisense to gene(s) PMM1694;
1629235 +	TSS_009520	1000	288	0	1 I	within gene(s) PMM1695;
1632609 +	TSS_009526	1000	153	0	1 P	98nt upstream of gene PMM1697;
1632679 +	TSS_013570	1000	286	0	0 P	28nt upstream of gene PMM1697;
1633040 +	TSS_009535	1000	229	0	0 I	within gene(s) PMM1697;
1633252 -	TSS_021896	1000	188	0	0 Ai	antisense to gene(s) PMM1697;
1634577 +	TSS_009550	1000	249	0	0 Ai	antisense to gene(s) PMM1699;
1634772 +	TSS_009551	1000	129	0	0 Ai	antisense to gene(s) PMM1699;
1635344 +	TSS_009552	1000	227	0	2 PAi	199nt upstream of gene PMM1700; antisense to gene(s) PMM1699;
1635526 +	TSS_009555	1000	389	0	5 P	17nt upstream of gene PMM1700;
1639698 -	TSS_021915	1000	174	0	0 I	within gene(s) PMM1702;
1640380 -	TSS_021917	1000	438	0	0 P	32nt upstream of gene PMM1702;
1640445 +	TSS_009576	1000	445	0	0 I	within gene(s) PMM1703;
1642285 -	TSS_022020	1000	438	0	24 I	within gene(s) PMM1704;
1642444 -	TSS_022043	1000	799	0	19 I	within gene(s) PMM1704;
1642606 -	TSS_022059	1000	704	0	3 I	within gene(s) PMM1704;
1643399 -	TSS_022155	1000	12967	0	7 P	19nt upstream of gene PMM1704;
1644415 +	TSS_009609	1000	2823	0	2 P	50nt upstream of gene PMM1706;
1644804 +	TSS_009619	1000	196	0	2 I	within gene(s) PMM1706;
1645357 -	TSS_022164	1000	189	0	0 I	within gene(s) PMM1707;
1646216 -	TSS_022178	1000	4639	0	0 P	69nt upstream of gene PMM1707;
1646419 +	TSS_013924	1000	566	0	2 P	20nt upstream of gene PMM1708;
1647767 +	TSS_009648	1000	108	0	2 IP	within gene(s) PMM1709; 21nt upstream of gene PMM1710;
1648727 +	TSS_009651	1000	92	0	0 Ai	antisense to gene(s) PMM1711;
1650015 -	TSS_022201	1000	134	0	0 I	within gene(s) PMM1712;
1654524 +	TSS_009664	1000	195	0	0 I	within gene(s) PMM1714;
1656926 +	TSS_009673	1000	199	0	5 I	within gene(s) PMM1716;

**Class represents the classification of the start site. I represents internal start sites, Ai represents antisense start sites, P represents primary start sites, IP represents internal or primary start sites, PAi represents primary or Antisense start sites, Ad represents Antisense or downstream IAd represents internal Antisense or downstream and O represents orphan.