

Supplementary Table 3: Alternate promoters in 5' UTR regions (genomic) of *O.sativa*

S.N o.	Accession No. (Rice)	Length and Promoter positions	uORF positions	Functions
1	AK058427	Length of sequence- 170 Promoter Pos: 102	No uORF	Conserved hypothetical protein.
2	AK058491	Length of sequence- 275 Promoter Pos: 117	No uORF	Eukaryotic protein of unknown function DUF852 family protein.
3	AK058499	Length of sequence- 1295 Promoter Pos: 132	No uORF	Conserved hypothetical protein.
4	AK058815	Length of sequence- 783 Promoter Pos: 112	No uORF	60S acidic ribosomal protein P2A (P2).
5	AK058837	Length of sequence- 556 Promoter Pos: 113	No uORF	Nucleic acid-binding OB-fold domain containing protein.
6	AK059088	Length of sequence- 311 Promoter Pos: 260	17 to 88 52 to 219 98 to 289	Lipolytic enzyme, G-D-S-L family protein.
7	AK059108	Length of sequence- 2105 Promoter Pos: 1096 Promoter Pos: 277	No uORF	Zn-finger, RING domain containing protein.
8	AK059325	Length of sequence- 1182 Promoter Pos: 1045	No uORF	Amino acid carrier.

		Promoter Pos: 1082		
9	AK059461	Length of sequence- 242 Promoter Pos: 102	No uORF	MAP kinase kinase 1.
10	AK059464	Length of sequence- 2197 Promoter Pos: 1342 Promoter Pos: 345	57 to 206 121 to 234	Hypothetical protein.
11	AK059510	Length of sequence- 184 Promoter Pos: 107	No uORF	Ankyrin repeat containing protein.
12	AK059596	Length of sequence- 443 Promoter Pos: 104	No uORF	3-isopropylmalate dehydrogenase, chloroplast precursor (EC 1.1.1.85) (Beta-IPM dehydrogenase) (IMDH) (3-IPM-DH).
13	AK059798	Length of sequence- 181 Promoter Pos: 102	No uORF	Prenylated rab acceptor PRA1 family protein.
14	AK059810	Length of sequence- 222 Promoter Pos: 132	No uORF	Vacuolar ATP synthase 21 kDa proteolipid subunit (EC 3.6.3.14) (23-kDa subunit of V-ATPase).
15	AK059818	Length of sequence- 182 Promoter Pos: 106	No uORF	Glutathione S-transferase II.
16	AK059893	Length of sequence- 218 Promoter Pos: 159	No uORF	Pathogen-related protein.
17	AK059894	Length of sequence- 580 Promoter Pos: 413	145 to 261 246 to 557	Conserved hypothetical protein.

18	AK059957	Length of sequence- 2283 Promoter Pos: 870 Promoter Pos: 1534 Promoter Pos: 2011	No uORF	RNA-binding region RNP-1 (RNA recognition motif) domain containing protein.
19	AK060171	Length of sequence- 359 Promoter Pos: 159	No uORF	-
20	AK060500	Length of sequence- 221 Promoter Pos: 110 Promoter Pos: 131	No uORF	-
21	AK060539	Length of sequence- 161 Promoter Pos: 101	No uORF	Chitin-binding lectin 1 precursor (PL-I).
22	AK060700	Length of sequence- 1052 Promoter Pos: 154	No uORF	-
23	AK060921	Length of sequence- 1111 Promoter Pos: 943	No uORF	-
24	AK061028	Length of sequence- 2454 Promoter Pos: 140	No uORF	Conserved hypothetical protein.
25	AK061159	Length of sequence- 1015 Promoter Pos: 597	No uORF	Nuclear movement protein domain containing protein.
26	AK061273	Length of sequence- 315 Promoter Pos: 109	No uORF	Hypothetical protein.
27	AK061748	Length of sequence- 1401 Promoter Pos: 125	No uORF	Conserved hypothetical protein.

28	AK062109	Length of sequence- Promoter Pos: 210	322	No uORF	I-box binding factor (Fragment).
29	AK062918	Length of sequence- Promoter Pos: 111	413	No uORF	Conserved hypothetical protein.
30	AK063301	Length of sequence- Promoter Pos: 231	1170	5 to 136 96 to 182 557 to 628 711 to 782 859 to 945 1010 to 1132 1036 to 1107	Conserved hypothetical protein.
31	AK063501	Length of sequence- Promoter Pos: 133	313	No uORF	Hypothetical protein.
32	AK063817	Length of sequence- Promoter Pos: 122	171	No uORF	Heat shock protein DnaJ family protein.
33	AK063884	Length of sequence- Promoter Pos: 169	1299	No uORF	Ribosomal protein L18P/L5E family protein.
34	AK064005	Length of sequence- Promoter Pos: 140	2288	No uORF	-
35	AK064024	Length of sequence- Promoter Pos: 102	322	No uORF	-
36	AK064181	Length of sequence- Promoter Pos: 102	189	No uORF	-

37	AK064316	Length of sequence- Promoter Pos: 176	356	No uORF	-
38	AK064375	Length of sequence- Promoter Pos: 181 Promoter Pos: 649	831	No uORF	SAND domain containing protein.
39	AK064618	Length of sequence- Promoter Pos: 104	1238	No uORF	50S ribosomal protein L20.
40	AK064743	Length of sequence- Promoter Pos: 135	181	No uORF	Esterase/lipase/thioesterase domain containing protein.
41	AK064933	Length of sequence- Promoter Pos: 103 Promoter Pos: 110	322	No uORF	Conserved hypothetical protein.
42	AK064940	Length of sequence- Promoter Pos: 108	192	No uORF	Cullin family protein.
43	AK064946	Length of sequence- Promoter Pos: 165	299	No uORF	Transcription factor ICE1 (Inducer of CBF expression 1) (Basic helix- loop-helix protein 116) (bHLH116) (AtbHLH116).
44	AK064970	Length of sequence- Promoter Pos: 192	918	322 to 405	Protein of unknown function DUF630 domain containing protein.
45	AK064990	Length of sequence- Promoter Pos: 118	242	No uORF	-
46	AK065023	Length of sequence- Promoter Pos: 716	2272	251 to 508 397 to 561	MT-A70 family protein.

		Promoter Pos: 1270	617 to 712 1538 to 1597 1567 to 1656 1668 to 1811 1711 to 1782 1820 to 1909 1870 to 2079	
47	AK065024	Length of sequence- 2675 Promoter Pos: 1336 Promoter Pos: 1812	No uORF	Zn-finger, C2H2 type domain containing protein.
48	AK065111	Length of sequence- 187 Promoter Pos: 130	No uORF	Pyruvate decarboxylase family protein.
49	AK065117	Length of sequence- 1314 Promoter Pos: 371	No uORF	-
50	AK065132	Length of sequence- 206 Promoter Pos: 127	No uORF	RWD domain containing protein.
51	AK065149	Length of sequence- 157 Promoter Pos: 107	No uORF	2OG-Fe(II) oxygenase domain containing protein.
52	AK065190	Length of sequence- 291 Promoter Pos: 156	46 to 120	Leucine-rich repeat, plant specific containing protein.
53	AK065231	Length of sequence- 965 Promoter Pos: 238	No uORF	Pto kinase interactor 1.
54	AK065323	Length of sequence- 675	No uORF	-

		Promoter Pos: 625			
55	AK065353	Length of sequence- 283 Promoter Pos: 236	86 to 166		-
56	AK065423	Length of sequence- 785 Promoter Pos: 464	No uORF		Copine domain containing protein.
57	AK065466	Length of sequence- 157 Promoter Pos: 101	No uORF		Esterase/lipase/thioesterase domain containing protein.
58	AK065503	Length of sequence- 365 Promoter Pos: 201 Promoter Pos: 207	No uORF		Conserved hypothetical protein.
59	AK065569	Length of sequence- 167 Promoter Pos: 104	No uORF		Hypothetical protein.
60	AK065589	Length of sequence- 327 Promoter Pos: 184	No uORF		CBL-interacting protein kinase 2.
61	AK065692	Length of sequence- 296 Promoter Pos: 154	No uORF		Conserved hypothetical protein.
62	AK065732	Length of sequence- 194 Promoter Pos: 128	No uORF		Basic helix-loop-helix dimerisation region bHLH domain containing protein.
63	AK066107	Length of sequence- 580 Promoter Pos: 437	10 to 135 257 to 394		Conserved hypothetical protein.
64	AK066179	Length of sequence- 331 Promoter Pos: 107 Promoter Pos: 143	No uORF		Conserved hypothetical protein.

65	AK066253	Length of sequence- 3066 Promoter Pos: 106 Promoter Pos: 2611	148 to 408 260 to 607 276 to 551 561 to 623 851 to 952 960 to 1199 1204 to 1293 1248 to 1313	Hypothetical protein.
66	AK066274	Length of sequence- 1443 Promoter Pos: 216	1375 to 1437	-
67	AK066300	Length of sequence- 1251 Promoter Pos: 102	No uORF	Exo-beta-glucanase.
68	AK066455	Length of sequence- 428 Promoter Pos: 210 Promoter Pos: 313	No uORF	BED finger domain containing protein.
69	AK066520	Length of sequence- 457 Promoter Pos: 225	No uORF	C-myb-like transcription factor (Fragment).
70	AK066561	Length of sequence- 999 Promoter Pos: 233	236 to 358 246 to 488 620 to 751 720 to 788 805 to 924	Conserved hypothetical protein.
71	AK066580	Length of sequence- 226	No uORF	Conserved hypothetical protein.

		Promoter Pos: 133		
72	AK066597	Length of sequence- 399 Promoter Pos: 277	No uORF	TPR-like domain containing protein.
73	AK066635	Length of sequence- 158 Promoter Pos: 107	No uORF	Phosphoenolpyruvate-carboxylase (Fragment).
74	AK066661	Length of sequence- 1361 Promoter Pos: 221	No uORF	Galactose oxidase, central domain containing protein.
75	AK066701	Length of sequence- 341 Promoter Pos: 110 Promoter Pos: 187	No uORF	-
76	AK066981	Length of sequence- 265 Promoter Pos: 109	No uORF	Eukaryotic protein of unknown function DUF292 domain containing protein.
77	AK067038	Length of sequence- 2049 Promoter Pos: 102	No uORF	-
78	AK067058	Length of sequence- 2105 Promoter Pos: 277 Promoter Pos: 1096	No uORF	-
79	AK067133	Length of sequence- 315 Promoter Pos: 150	No uORF	Pto kinase interactor 1.
80	AK067134	Length of sequence- 3918 Promoter Pos: 2775 Promoter Pos: 2310	61 to 162	Conserved hypothetical protein.
81	AK067157	Length of sequence- 191	No uORF	Catalytic domain of components of various

		Promoter Pos: 142		dehydrogenase complexes containing protein.
82	AK067198	Length of sequence- 483 Promoter Pos: 211	No uORF	Regulatory protein NPR1-like
83	AK067313	Length of sequence- 399 Promoter Pos: 175	73 to 141 141 to 221	-
84	AK067319	Length of sequence- 254 Promoter Pos: 126	58 to 177	Plant regulator RWP-RK domain containing protein.
85	AK067343	Length of sequence- 4141 Promoter Pos: 2566	103 to 363 215 to 562 231 to 506 516 to 578 806 to 907 915 to 1154 1159 to 1248 1203 to 1268 1391 to 1474	-
86	AK067368	Length of sequence- 517 Promoter Pos: 467	No uORF	-
87	AK067527	Length of sequence- 363 Promoter Pos: 193	6 to 65 46 to 288 138 to 248	Conserved hypothetical protein.
88	AK067536	Length of sequence- 2208 Promoter Pos: 316	79 to 402 402 to 593	Plant protein of unknown function DUF641 domain containing protein.

			850 to 924 861 to 968 1051 to 1116 1159 to 1254 1376 to 1459 1443 to 1514 1608 to 1901	
89	AK067662	Length of sequence- 4887 Promoter Pos: 211 Promoter Pos: 279 Promoter Pos: 4637 Promoter Pos: 3809	No uORF	-
90	AK067731	Length of sequence- 242 Promoter Pos: 118	No uORF	Glycosyl transferase, family 20 domain containing protein.
91	AK067735	Length of sequence- 499 Promoter Pos: 141	160 to 222	Hypothetical protein.
92	AK067919	Length of sequence- 373 Promoter Pos: 246	35 to 124	OSE2-like protein (Fragment).
93	AK067930	Length of sequence- 381 Promoter Pos: 144	No uORF	Glyoxalase II.
94	AK068018	Length of sequence- 232 Promoter Pos: 112	No uORF	Serine/threonine protein phosphatase 2A.
95	AK068117	Length of sequence- 208	No uORF	Hypothetical protein.

		Promoter Pos: 123		
96	AK068171	Length of sequence- 281 Promoter Pos: 118 Promoter Pos: 112	No uORF	Hypothetical protein.
97	AK068178	Length of sequence- 207 Promoter Pos: 160	8 to 202 61 to 165	Plant protein of unknown function DUF868 family protein.
98	AK068233	Length of sequence- 166 Promoter Pos: 121	No uORF	Importin alpha 2.
99	AK068386	Length of sequence- 1755 Promoter Pos: 218	592 to 735 940 to 1032	Hypothetical protein.
100	AK068395	Length of sequence- 1813 Promoter Pos: 110	203 to 382	Actin/actin-like family protein.
101	AK068412	Length of sequence- 1795 Promoter Pos: 1511	175 to 270	Rp1-like protein.
102	AK068432	Length of sequence- 217 Promoter Pos: 108	No uORF	ABC-1 domain containing protein.
103	AK068569	Length of sequence- 563 Promoter Pos: 103 Promoter Pos: 180	40 to 135	Glycerol-3-phosphate dehydrogenase-like protein (Fragment).
104	AK068701	Length of sequence- 419 Promoter Pos: 117	No uORF	-
105	AK068707	Length of sequence- 1263 Promoter Pos: 155	501 to 578	RNA-binding region RNP-1 (RNA recognition motif) domain containing protein.

106	AK068758	Length of sequence- 1465 Promoter Pos: 1243	No uORF	Hypothetical protein.
107	AK069011	Length of sequence- 4800 Promoter Pos: 124 Promoter Pos: 4550 Promoter Pos: 192 Promoter Pos: 3722	No uORF	-
108	AK069077	Length of sequence- 576 Promoter Pos: 223	No uORF	Protein of unknown function XS domain containing protein.
109	AK069158	Length of sequence- 447 Promoter Pos: 209	No uORF	Transcription factor HBP-1b(c1) (Fragment).
110	AK069181	Length of sequence- 1282 Promoter Pos: 253 Promoter Pos: 1121 Promoter Pos: 581	34 to 630 500 to 655 752 to 841 980 to 1045 1045 to 1131	-
111	AK069233	Length of sequence- 296 Promoter Pos: 106	No uORF	Ania-6a type cyclin.
112	AK069324	Length of sequence- 1737 Promoter Pos: 110	No uORF	Protein kinase domain containing protein.
113	AK069335	Length of sequence- 1457 Promoter Pos: 146	82 to 549 290 to 367	Glycosyl transferase, family 4 protein.
114	AK069400	Length of sequence- 1083	No uORF	Conserved hypothetical protein.

		Promoter Pos: 258		
115	AK069471	Length of sequence- 620 Promoter Pos: 103	No uORF	Zn-finger, RING domain containing protein.
116	AK069474	Length of sequence- 1407 Promoter Pos: 112	No uORF	Cystinosin/ERS1p repeat containing protein.
117	AK069482	Length of sequence- 187 Promoter Pos: 104	No uORF	CTP synthase (EC 6.3.4.2) (UTP--ammonia ligase) (CTP synthetase).
118	AK069612	Length of sequence- 840 Promoter Pos: 143	No uORF	Casein kinase-like protein.
119	AK069640	Length of sequence- 985 Promoter Pos: 315 Promoter Pos: 493	No uORF	Protein of unknown function DUF731 family protein.
120	AK069641	Length of sequence- 10557 Promoter Pos: 835 Promoter Pos: 8361 Promoter Pos: 5082 Promoter Pos: 1784 Promoter Pos: 5120	No uORF	Nucleosome binding protein 1 (Nucleosome binding protein 45) (NBP-45) (GARP45 protein).
121	AK069655	Length of sequence- 256 Promoter Pos: 202	No uORF	2-hydroxyacid dehydrogenase.
122	AK069674	Length of sequence- 902 Promoter Pos: 137	No uORF	Glycoprotein-specific UDP-glucuronyltransferase-like protein.

123	AK069734	Length of sequence- 2011 Promoter Pos: 793 Promoter Pos: 1111	No uORF	TMS membrane protein/tumour differentially expressed protein family protein.
124	AK069735	Length of sequence- 311 Promoter Pos: 250	No uORF	Conserved hypothetical protein.
125	AK069738	Length of sequence- 1270 Promoter Pos: 145	No uORF	Neutral/alkaline nonlysosomal ceramidase family protein.
126	AK069745	Length of sequence- 1149 Promoter Pos: 723	No uORF	-
127	AK069767	Length of sequence- 1534 Promoter Pos: 353	399 to 536 686 to 745 936 to 1001 1047 to 1220 1300 to 1368	Hypothetical protein.
128	AK069860	Length of sequence- 295 Promoter Pos: 195	No uORF	-
129	AK069864	Length of sequence- 3934 Promoter Pos: 109	152 to 364 225 to 338 418 to 543 623 to 700	Hypothetical protein.
130	AK069967	Length of sequence- 259 Promoter Pos: 194	63 to 230	-
131	AK070047	Length of sequence- 314	No uORF	LacZ 5'-region (Fragment).

		Promoter Pos: 117		
132	AK070057	Length of sequence- 2464 Promoter Pos: 103	389 to 634 839 to 1021 1029 to 1127	Hypothetical protein.
133	AK070065	Length of sequence- 250 Promoter Pos: 184	No uORF	-
134	AK070208	Length of sequence- 301 Promoter Pos: 178	No uORF	Ubiquitin domain containing protein.
135	AK070278	Length of sequence- 620 Promoter Pos: 103	458 to 565	-
136	AK070335	Length of sequence- 1179 Promoter Pos: 181	No uORF	Conserved hypothetical protein.
137	AK070361	Length of sequence- 2795 Promoter Pos: 2237 Promoter Pos: 2071 Promoter Pos: 1374 Promoter Pos: 1398 Promoter Pos: 495	No uORF	Plant protein of unknown function family protein.
138	AK070366	Length of sequence- 340 Enhancer Pos: 236 Enhancer Pos: 214	No uORF	Sn-glycerol-3-phosphate dehydrogenase (Fragment).
139	AK070568	Length of sequence- 1751 Promoter Pos: 108	No uORF	ATP:citrate lyase.

140	AK070623	Length of sequence- 167 Promoter Pos: 115	No uORF	Conserved hypothetical protein.
141	AK070848	Length of sequence- 230 Promoter Pos: 138	No uORF	Conserved hypothetical protein.
142	AK070914	Length of sequence- 242 Promoter Pos: 163 Promoter Pos: 111	No uORF	Universal stress protein (Usp) family protein.
143	AK070958	Length of sequence- 982 Promoter Pos: 134	5 to 97	AGAMOUS homolog.
144	AK071014	Length of sequence- 179 Promoter Pos: 105	No uORF	Zn-finger, C2H2 type domain containing protein.
145	AK071142	Length of sequence- 184 Promoter Pos: 105	No uORF	Conserved hypothetical protein.
146	AK071200	Length of sequence- 199 Promoter Pos: 128	No uORF	H ⁺ -transporting two-sector ATPase, E subunit family protein.
147	AK071324	Length of sequence- 163 Promoter Pos: 115	No uORF	Oxidoreductase FAD-binding region domain containing protein.
148	AK071445	Length of sequence- 3046 Promoter Pos: 2730 Promoter Pos: 721 Promoter Pos: 2243	No uORF	Conserved hypothetical protein.
149	AK071497	Length of sequence- 3792 Promoter Pos: 2624	45 to 386 196 to 402	ADP-glucose pyrophosphorylase large subunit (Fragment).

		Promoter Pos: 3026		438 to 500	
150	AK071523	Length of sequence- 372 Promoter Pos: 109		No uORF	Conserved hypothetical protein.
151	AK071582	Length of sequence- 2127 Promoter Pos: 125 Promoter Pos: 324		278 to 358 440 to 583	Basic helix-loop-helix dimerisation region bHLH domain containing protein.
152	AK071635	Length of sequence- 393 Promoter Pos: 193		No uORF	Splicing factor RSZ33.
153	AK071643	Length of sequence- 272 Promoter Pos: 172		57 to 119	Purple acid phosphatase (EC 3.1.3.2).
154	AK071712	Length of sequence- 1057 Promoter Pos: 218 Promoter Pos: 137		No uORF	Cellular retinaldehyde binding/alpha-tocopherol transport family protein.
155	AK071771	Length of sequence- 429 Promoter Pos: 138		No uORF	Cyclin-like F-box domain containing protein.
156	AK071777	Length of sequence- 969 Promoter Pos: 106		No uORF	Phosphatidate cytidyltransferase (EC 2.7.7.41) (CDP-diglyceride synthetase) (CDP-diglyceride pyrophosphorylase) (CDP-diacylglycerol synthase) (CDS) (CTP:phosphatidate cytidyltransferase) (CDP-DAG synthase) (CDP-DG synthetase).
157	AK071863	Length of sequence- 568 Promoter Pos: 101		No uORF	Holliday junction resolvase YqgF family protein.

158	AK071917	Length of sequence- 2132 Promoter Pos: 1332 Promoter Pos: 1359 Promoter Pos: 1877	237 to 482 271 to 477 525 to 764 925 to 987 945 to 1031 1156 to 1392 1217 to 1378 1404 to 1463 1519 to 1602 1641 to 1733 1772 to 1891 1789 to 1854 1954 to 2052	Bifunctional nuclease (Fragment).
159	AK071964	Length of sequence- 1575 Promoter Pos: 1301 Promoter Pos: 969	No uORF	TCP transcription factor family protein.
160	AK071968	Length of sequence- 250 Promoter Pos: 184	No uORF	GmCK1p (EC 2.7.1.32).
161	AK072037	Length of sequence- 240 Promoter Pos: 118	No uORF	TCP transcription factor family protein.
162	AK072113	Length of sequence- 337 Promoter Pos: 139 Promoter Pos: 133	No uORF	-

163	AK072151	Length of sequence- 682 Promoter Pos: 340 Promoter Pos: 169	376 to 528 589 to 651	Cyclin-like F-box domain containing protein.
164	AK072211	Length of sequence- 2606 Promoter Pos: 1743 Promoter Pos: 1267	No uORF	-
165	AK072215	Length of sequence- 222 Promoter Pos: 170	No uORF	Membrane transporter.
166	AK072248	Length of sequence- 166 Promoter Pos: 119	No uORF	WD40-like domain containing protein.
167	AK072280	Length of sequence- 248 Promoter Pos: 175	No uORF	Universal stress protein (Usp) family protein.
168	AK072322	Length of sequence- 1341 Promoter Pos: 124	18 to 116	PAP/25A core domain containing protein.
169	AK072330	Length of sequence- 296 Promoter Pos: 121	No uORF	Transcriptional factor B3 family protein.
170	AK072379	Length of sequence- 509 Promoter Pos: 140	No uORF	-
171	AK072651	Length of sequence- 681 Promoter Pos: 124	No uORF	Cyclin-like F-box domain containing protein.
172	AK072657	Length of sequence- 959 Promoter Pos: 113	No uORF	WD40-like domain containing protein.
173	AK072732	Length of sequence- 4846	No uORF	BED finger domain containing protein.

		Promoter Pos: 4591 Promoter Pos: 4489 Promoter Pos: 3917 Promoter Pos: 822 Promoter Pos: 2505		
174	AK072744	Length of sequence- 152 Promoter Pos: 101	No uORF	Conserved hypothetical protein.
175	AK072794	Length of sequence- 1990 Promoter Pos: 1829	No uORF	Conserved hypothetical protein.
176	AK072797	Length of sequence- 512 Promoter Pos: 106	No uORF	Zn-finger, RING domain containing protein.
177	AK072812	Length of sequence- 429 Promoter Pos: 167	No uORF	Rad21/Rec8 like protein, N-terminal domain containing protein.
178	AK072822	Length of sequence- 165 Promoter Pos: 115	No uORF	Latex-abundant protein.
179	AK072836	Length of sequence- 565 Promoter Pos: 411 Promoter Pos: 334	No uORF	Hypothetical protein.
180	AK072850	Length of sequence- 1116 Promoter Pos: 948	No uORF	RNA-binding region RNP-1 (RNA recognition motif) domain containing protein.
181	AK072903	Length of sequence- 1927 Promoter Pos: 1389	4 to 153 32 to 184 165 to 338	Conserved hypothetical protein.

				473 to 550 602 to 682 970 to 1158 989 to 1048 1014 to 1256 1428 to 1547 1780 to 1884 1791 to 1898	
182	AK072919	Length of sequence- Promoter Pos: 114	2262	No uORF	-
183	AK073077	Length of sequence- Promoter Pos: 151 Promoter Pos: 127	211	No uORF	-
184	AK073128	Length of sequence- Promoter Pos: 3559 Promoter Pos: 679	7203	21 to 332 244 to 381 320 to 388 411 to 476 458 to 544 529 to 633 755 to 991 1292 to 1402 1409 to 1555 1453 to 1530	Hypothetical protein.

				1562 to 1678 1668 to 1736 1969 to 2076 2554 to 2634 2562 to 2657 2570 to 2671 2644 to 2802 2877 to 2978	
185	AK073163	Length of sequence- 182 Promoter Pos: 123 Promoter Pos: 119		No uORF	Hypothetical protein.
186	AK073347	Length of sequence- 256 Promoter Pos: 123		No uORF	-
187	AK073525	Length of sequence- 810 Promoter Pos: 128		289 to 426	Protein prenyltransferase domain containing protein.
188	AK073536	Length of sequence- 1950 Promoter Pos: 117		No uORF	YT521-B-like protein family protein.
189	AK073540	Length of sequence- 333 Promoter Pos: 111		No uORF	SAC3/GANP family protein.
190	AK073599	Length of sequence- 154 Promoter Pos: 106		No uORF	VAMP-like protein YKT61 (AtYKT61) (Geranylgeranylated protein 1) (AtGP1).
191	AK073619	Length of sequence- 1372 Promoter Pos: 155		49 to 147	-

192	AK073650	Length of sequence- Promoter Pos: 804 Promoter Pos: 143	1150	No uORF	Zn-finger, RING domain containing protein.
193	AK073712	Length of sequence- Promoter Pos: 113	403	267 to 365	3-phosphoinositide-dependent protein kinase-1 (Fragment).
194	AK073728	Length of sequence- Promoter Pos: 133 Promoter Pos: 165	2459	No uORF	Zn-finger, RING domain containing protein.
195	AK073769	Length of sequence- Promoter Pos: 137	243	No uORF	Conserved hypothetical protein.
196	AK073798	Length of sequence- Promoter Pos: 971 Promoter Pos: 103	2047	16 to 111 98 to 196 209 to 274	Non-protein coding transcript, uncharacterized transcript.
197	AK073832	Length of sequence- Promoter Pos: 125	216	No uORF	Adaptin, N-terminal domain containing protein.
198	AK073977	Length of sequence- Promoter Pos: 207	271	No uORF	Conserved hypothetical protein.
199	AK098914	Length of sequence- Promoter Pos: 183	249	No uORF	-
200	AK099038	Length of sequence- Promoter Pos: 120	195	No uORF	-
201	AK099099	Length of sequence- Promoter Pos: 143	405	No uORF	-

202	AK099261	Length of sequence- 166 Promoter Pos: 119	No uORF	-
203	AK099373	Length of sequence- 1279 Promoter Pos: 148	No uORF	-
204	AK099559	Length of sequence- 1426 Promoter Pos: 157 Promoter Pos: 268 Promoter Pos: 684	57 to 314	Protein of unknown function DUF778 family protein.
205	AK099599	Length of sequence- 1591 Promoter Pos: 358. Promoter Pos: 331	No uORF	Glycogen synthase kinase-3 homolog MsK-2 (EC 2.7.1.-).
206	AK099631	Length of sequence- 556 Promoter Pos: 403	No uORF	Putative methyltransferase family protein.
207	AK099702	Length of sequence- 225 Promoter Pos: 168 Promoter Pos: 128	No uORF	1-deoxy-D-xylulose 5-phosphate reductoisomerase, chloroplast precursor (EC 1.1.1.267) (DXP reductoisomerase) (1-deoxyxylulose-5-phosphate reductoisomerase).
208	AK099822	Length of sequence- 550 Promoter Pos: 254	No uORF	RNA-binding region RNP-1 (RNA recognition motif) domain containing protein.
209	AK099909	Length of sequence- 10530 Promoter Pos: 808 Promoter Pos: 8334	No uORF	-

		Promoter Pos: 5055 Promoter Pos: 5093 Promoter Pos: 1757		
210	AK099914	Length of sequence- 510 Promoter Pos: 141	No uORF	IQ calmodulin-binding region domain containing protein.
211	AK100034	Length of sequence- 1736 Promoter Pos: 115 Promoter Pos: 1257	199 to 741 728 to 796 946 to 1023 1173 to 1235 1408 to 1509	NADH:flavin oxidoreductase/NADH oxidase family protein.
212	AK100208	Length of sequence- 1384 Promoter Pos: 399	40 to 114	Transcription factor.
213	AK100265	Length of sequence- 6331 Promoter Pos: 6080 Promoter Pos: 6246 Promoter Pos: 330	No uORF	Plant protein of unknown function DUF641 domain containing protein.
214	AK100276	Length of sequence- 898 Promoter Pos: 108	368 to 484	Conserved hypothetical protein.
215	AK100296	Length of sequence- 2414 Promoter Pos: 139	86 to 1021 91 to 288 726 to 896	Chloride channel protein CLC-e (AtCLC-e).
216	AK100326	Length of sequence- 369 Promoter Pos: 184	No uORF	WW/Rsp5/WWP domain containing protein.

217	AK100381	Length of sequence- Promoter Pos: 102	162	No uORF	Putative 5-3 exonuclease domain containing protein.
218	AK100396	Length of sequence- Promoter Pos: 129	1250	246 to 317	Ser Thr specific protein kinase-like protein.
219	AK100398	Length of sequence- Promoter Pos: 318	3265	16 to 861 956 to 1051 1143 to 1238 1474 to 1533 1657 to 1731 1880 to 1960 1918 to 1977	Smr protein/MutS2 C-terminal domain containing protein.
220	AK100571	Length of sequence- Promoter Pos: 493	570	397 to 492	Protein phosphatase 2C-like protein.
221	AK100582	Length of sequence- Promoter Pos: 158	821	No uORF	BED finger domain containing protein.
222	AK100613	Length of sequence- Promoter Pos: 316	431	No uORF	Light-mediated development protein DET1 (Deetiolated1).
223	AK100654	Length of sequence- Promoter Pos: 111	182	No uORF	L-ascorbate oxidase homolog precursor (EC 1.10.3.3) (Ascorbase).
224	AK100691	Length of sequence- Promoter Pos: 102 Promoter Pos: 148	333	No uORF	Epoxide hydrolase family protein.
225	AK100701	Length of sequence-	395	7 to 249	Protein of unknown function DUF315 domain

		Promoter Pos: 283		86 to 175	containing protein.
226	AK100714	Length of sequence- Promoter Pos: 227	988	No uORF	Ubiquitin-conjugating enzymes domain containing protein.
227	AK100750	Length of sequence- Promoter Pos: 1023	2522	33 to 275 163 to 249 200 to 544 432 to 647 719 to 778 831 to 914	PDZ/DHR/GLGF domain containing protein.
228	AK100765	Length of sequence- Promoter Pos: 140	191	No uORF	Cation/proton exchanger 1a.
229	AK100819	Length of sequence- Promoter Pos: 149	251	No uORF	SmX6 protein.
230	AK100840	Length of sequence- Promoter Pos: 1267 Promoter Pos: 1743	2606	585 to 671 593 to 706 631 to 732 1298 to 1366 1466 to 1558 1542 to 1670	-
231	AK100939	Length of sequence- Promoter Pos: 109	232	No uORF	-
232	AK100951	Length of sequence- Promoter Pos: 110	402	No uORF	Conserved hypothetical protein.

		Promoter Pos: 295		
233	AK100976	Length of sequence- 267 Promoter Pos: 109	No uORF	-
234	AK101023	Length of sequence- 291 Promoter Pos: 180	No uORF	Protein kinase domain containing protein.
235	AK101152	Length of sequence- 286 Promoter Pos: 104	No uORF	Single-stranded DNA-binding protein, SSDP family protein.
236	AK101205	Length of sequence- 1157 Promoter Pos: 226	No uORF	Arm repeat-containing protein.
237	AK101230	Length of sequence- 189 Promoter Pos: 114	No uORF	-
238	AK101353	Length of sequence- 7203 Promoter Pos: 3559 Promoter Pos: 679	21 to 332 244 to 381 320 to 388 411 to 476 458 to 544 529 to 633 755 to 991 1292 to 1402 1409 to 1555 1453 to 1530 1562 to 1678 1668 to 1736	-

				1969 to 2076 2554 to 2634 2562 to 2657 2570 to 2671 2644 to 2802 2877 to 2978	
239	AK101371	Length of sequence- Promoter Pos: 117	331	4 to 150	Serine/threonine-protein kinase PBS1 (EC 2.7.1.37) (AvrPphB susceptible protein 1).
240	AK101393	Length of sequence- Promoter Pos: 170 Promoter Pos: 103	2554	54 to 326	Conserved hypothetical protein.
241	AK101508	Length of sequence- Promoter Pos: 226 Promoter Pos: 276	378	No uORF	Cationic peroxidase isozyme 40K precursor.
242	AK101548	Length of sequence- Promoter Pos: 107	2481	No uORF	-
243	AK101567	Length of sequence- Promoter Pos: 141	297	No uORF	Conserved hypothetical protein.
244	AK101627	Length of sequence- Promoter Pos: 311	657	173 to 337	Conserved hypothetical protein.
245	AK101729	Length of sequence- Promoter Pos: 122	262	No uORF	ZIGA1 protein (Fragment).
246	AK101730	Length of sequence-	1297	No uORF	Malate dehydrogenase precursor (EC 1.1.1.37).

		Promoter Pos: 168		
247	AK101766	Length of sequence- 1165 Promoter Pos: 106 Promoter Pos: 418 Promoter Pos: 877	No uORF	Conserved hypothetical protein.
248	AK101813	Length of sequence- 261 Promoter Pos: 126	No uORF	Mitochondrial substrate carrier family protein.
249	AK101834	Length of sequence- 402 Promoter Pos: 119	No uORF	Conserved hypothetical protein.
250	AK101847	Length of sequence- 1242 Promoter Pos: 619	2 to 100	TIR domain containing protein.
251	AK101859	Length of sequence- 1141 Promoter Pos: 152 Promoter Pos: 105	No uORF	-
252	AK101890	Length of sequence- 347 Promoter Pos: 168	No uORF	Lipase, class 3 family protein.
253	AK101948	Length of sequence- 680 Promoter Pos: 123	No uORF	Aldose 1-epimerase family protein.
254	AK102005	Length of sequence- 434 Promoter Pos: 121	No uORF	65kD microtubule associated protein.
255	AK102052	Length of sequence- 175 Promoter Pos: 110	No uORF	Multi antimicrobial extrusion protein MatE family protein.
256	AK102068	Length of sequence- 2102	402 to 464	Conserved hypothetical protein.

		Promoter Pos: 148		123 to 446	
257	AK102072	Length of sequence- Promoter Pos: 102	809	123 to 446	-
258	AK102132	Length of sequence- Promoter Pos: 138	751	No uORF	Apurinic endonuclease-redox protein (DNA-(apurinic or apyrimidinic site) lyase) (EC 4.2.99.18).
259	AK102209	Length of sequence- Promoter Pos: 259	1939	No uORF	Protein kinase domain containing protein.
260	AK102252	Length of sequence- Promoter Pos: 130	283	No uORF	Basic helix-loop-helix dimerisation region bHLH domain containing protein.
261	AK102292	Length of sequence- Promoter Pos: 114	1916	No uORF	Bromo adjacent region domain containing protein.
262	AK102399	Length of sequence- Promoter Pos: 259	439	No uORF	Conserved hypothetical protein.
263	AK102444	Length of sequence- Promoter Pos: 252	726	338 to 424	Protein of unknown function DUF702 family protein.
264	AK102480	Length of sequence- Promoter Pos: 199	1676	51 to 215	Protein kinase domain containing protein.
265	AK102543	Length of sequence- Promoter Pos: 223	1099	No uORF	Cyclin-like F-box domain containing protein.
266	AK102585	Length of sequence- Promoter Pos: 265	336	65 to 178 123 to 212	-
267	AK102596	Length of sequence-	607	No uORF	DnAJ-like protein slr0093.

		Promoter Pos: 221		
268	AK102705	Length of sequence- 416 Promoter Pos: 229	No uORF	Mov34/MPN/PAD-1 family protein.
269	AK102782	Length of sequence- 483 Promoter Pos: 109	No uORF	Conserved hypothetical protein.
270	AK102787	Length of sequence- 1435 Enhancer Pos: 149 Promoter Pos: 146	No uORF	-
271	AK102791	Length of sequence- 421 Promoter Pos: 108	No uORF	Protein of unknown function DUF231 domain containing protein.
272	AK102845	Length of sequence- 354 Promoter Pos: 142	No uORF	Protein of unknown function DUF803 family protein.
273	AK102885	Length of sequence- 4212 Promoter Pos: 2454 Promoter Pos: 1750	No uORF	Ubiquitin ligase SINAT4 (EC 6.3.2.-) (Seven in absentia homolog 4).
274	AK102888	Length of sequence- 2297 Promoter Pos: 150	No uORF	RNA-binding region RNP-1 (RNA recognition motif) domain containing protein.
275	AK103040	Length of sequence- 332 Promoter Pos: 110	46 to 129	Single myb histone 1.
276	AK103044	Length of sequence- 474 Promoter Pos: 207 Promoter Pos: 416	11 to 103	-
277	AK103072	Length of sequence- 351	No uORF	Glycoside hydrolase, family 17 protein.

		Promoter Pos: 151		
278	AK103164	Length of sequence- 213 Promoter Pos: 140	No uORF	-
279	AK103190	Length of sequence- 189 Promoter Pos: 113	No uORF	Conserved hypothetical protein.
280	AK103207	Length of sequence- 195 Promoter Pos: 113	No uORF	Protein kinase AFC1 (EC 2.7.1.-).
281	AK103249	Length of sequence- 1312 Promoter Pos: 101	No uORF	Protein kinase domain containing protein.
282	AK103283	Length of sequence- 164 Promoter Pos: 105	No uORF	Conserved hypothetical protein.
283	AK103351	Length of sequence- 353 Promoter Pos: 217	No uORF	GTP-binding protein SAR1A.
284	AK103381	Length of sequence- 2491 Promoter Pos: 107 Promoter Pos: 117	No uORF	-
285	AK103403	Length of sequence- 204 Promoter Pos: 131	No uORF	Casein kinase-like protein.
286	AK103432	Length of sequence- 224 Promoter Pos: 112	No uORF	MCB2 protein.
287	AK103516	Length of sequence- 1758 Promoter Pos: 1309	13 to 87	Phospholipid/glycerol acyltransferase family protein.
288	AK103541	Length of sequence- 609	No uORF	Proteasome subunit alpha type 3 (EC 3.4.25.1)

		Promoter Pos: 129		(20S proteasome alpha subunit G) (20S proteasome subunit alpha-7).
289	AK103554	Length of sequence- 308 Promoter Pos: 111	123 to 212	Serine hydroxymethyltransferase (EC 2.1.2.1) (Serine methylase) (Glycine hydroxymethyltransferase) (SHMT).
290	AK103586	Length of sequence- 283 Promoter Pos: 107	No uORF	Aspartate aminotransferase, cytoplasmic (EC 2.6.1.1) (Transaminase A).
291	AK103593	Length of sequence- 488 Promoter Pos: 123 Promoter Pos: 235	No uORF	Pyrimidine 5-nucleotidase family protein.
292	AK103604	Length of sequence- 514 Promoter Pos: 451 Promoter Pos: 112	No uORF	Ferredoxin--nitrite reductase, chloroplast precursor (EC 1.7.7.1).
293	AK103764	Length of sequence- 1194 Promoter Pos: 101	No uORF	Protein of unknown function DUF618 domain containing protein.
294	AK103775	Length of sequence- 229 Promoter Pos: 105	No uORF	-
295	AK103899	Length of sequence- 1086 Promoter Pos: 111	No uORF	Vacuolar ATPase B subunit.
296	AK104148	Length of sequence- 153 Promoter Pos: 106	No uORF	-
297	AK104280	Length of sequence- 489 Promoter Pos: 318	No uORF	-

298	AK104334	Length of sequence- Promoter Pos: 122	679	No uORF	-
299	AK104357	Length of sequence- Promoter Pos: 107	157	No uORF	-
300	AK104869	Length of sequence- Promoter Pos: 101	276	No uORF	-
301	AK104951	Length of sequence- Promoter Pos: 132	222	No uORF	-
302	AK105048	Length of sequence- Promoter Pos: 224	282	No uORF	Thiamine pyrophosphokinase family protein.
303	AK105151	Length of sequence- Promoter Pos: 180	246	No uORF	-
304	AK105235	Length of sequence- Promoter Pos: 112 Promoter Pos: 138 Promoter Pos: 644	801	11 to 265 180 to 251	Cyclin-like F-box domain containing protein.
305	AK105248	Length of sequence- Promoter Pos: 177	936	No uORF	TPR-like domain containing protein.
306	AK105250	Length of sequence- Promoter Pos: 129	1234	No uORF	Zn-finger, CCHC type domain containing protein.
307	AK105447	Length of sequence- Promoter Pos: 107	167	No uORF	-
308	AK105527	Length of sequence-	962	No uORF	LOB domain protein 25.

		Promoter Pos: 116		
309	AK105730	Length of sequence- 184 Promoter Pos: 117 Promoter Pos: 135	No uORF	Seryl-tRNA synthetase (EC 6.1.1.11).
310	AK105827	Length of sequence- 292 Promoter Pos: 112	No uORF	-
311	AK105883	Length of sequence- 2105 Promoter Pos: 1096 Promoter Pos: 277	No uORF	-
312	AK106052	Length of sequence- 193 Promoter Pos: 133	No uORF	-
313	AK106095	Length of sequence- 157 Promoter Pos: 107	No uORF	-
314	AK106098	Length of sequence- 245 Promoter Pos: 106	No uORF	-
315	AK106113	Length of sequence- 210 Promoter Pos: 120 Promoter Pos: 126	No uORF	Conserved hypothetical protein.
316	AK106119	Length of sequence- 1384 Promoter Pos: 399	39 to 113	-
317	AK106340	Length of sequence- 204 Promoter Pos: 139	No uORF	-
318	AK106457	Length of sequence- 2643	No uORF	Pyruvate kinase isozyme G, chloroplast precursor

		Promoter Pos: 131 Promoter Pos: 254		(EC 2.7.1.40).
319	AK106507	Length of sequence- 169 Promoter Pos: 110	No uORF	TPR-like domain containing protein.
320	AK106517	Length of sequence- 351 Promoter Pos: 122 Promoter Pos: 153	No uORF	Ethylene-responsive element binding factor.
321	AK106529	Length of sequence- 2542 Promoter Pos: 762 Promoter Pos: 111	199 to 378	Protein prenyltransferase domain containing protein.
322	AK106541	Length of sequence- 267 Promoter Pos: 109	No uORF	Spectrin repeat containing protein.
323	AK106554	Length of sequence- 197 Promoter Pos: 109	No uORF	Protein of unknown function DUF6 domain containing protein.
324	AK106595	Length of sequence- 1111 Promoter Pos: 165	No uORF	Conserved hypothetical protein.
325	AK106665	Length of sequence- 1424 Promoter Pos: 582	9 to 83 53 to 139 93 to 155 383 to 484 492 to 731 736 to 825 780 to 845	Hypothetical protein.

326	AK106772	Length of sequence- Promoter Pos: 312	1163	112 to 354 257 to 403 646 to 708 653 to 712 722 to 787 1067 to 1147	Conserved hypothetical protein.
327	AK106774	Length of sequence- Promoter Pos: 388	584	No uORF	Isopenicillin N synthase family protein.
328	AK106850	Length of sequence- Promoter Pos: 133	433	No uORF	Basic helix-loop-helix dimerisation region bHLH domain containing protein.
329	AK106904	Length of sequence- Promoter Pos: 109	232	No uORF	-
330	AK106939	Length of sequence- Promoter Pos: 142	207	No uORF	Hypothetical protein.
331	AK107015	Length of sequence- Promoter Pos: 724	1401	No uORF	Conserved hypothetical protein.
332	AK107089	Length of sequence- Promoter Pos: 133	267	No uORF	-
333	AK107123	Length of sequence- Promoter Pos: 185	278	No uORF	Hypothetical protein.
334	AK107468	Length of sequence- Promoter Pos: 184 Promoter Pos: 116	381	27 to 143 173 to 235 211 to 309	Zn-finger, C2H2 type domain containing protein.

335	AK107557	Length of sequence- 1052 Promoter Pos: 783	No uORF	Lipolytic enzyme, G-D-S-L family protein.
336	AK107583	Length of sequence- 328 Promoter Pos: 121	No uORF	Conserved hypothetical protein.
337	AK107646	Length of sequence- 539 Promoter Pos: 233	No uORF	Homeodomain-like containing protein.
338	AK107843	Length of sequence- 6344 Promoter Pos: 5465 Promoter Pos: 4950 Promoter Pos: 4900 Promoter Pos: 6204 Promoter Pos: 1648 Promoter Pos: 1241 Promoter Pos: 2184	214 to 330 302 to 382	Hypothetical protein.
339	AK108007	Length of sequence- 195 Promoter Pos: 109	No uORF	Uncharacterized plant-specific domain 01589 containing protein.
340	AK108130	Length of sequence- 247 Promoter Pos: 125	9 to 101	Protein kinase domain containing protein.
341	AK108182	Length of sequence- 782 Promoter Pos: 125	306 to 437	Conserved hypothetical protein.
342	AK108379	Length of sequence- 341 Promoter Pos: 114	No uORF	-
343	AK108614	Length of sequence- 725	No uORF	-

		Promoter Pos: 543 Promoter Pos: 101		
344	AK108663	Length of sequence- 167 Promoter Pos: 118	No uORF	Cation transporter family protein.
345	AK108695	Length of sequence- 274 Promoter Pos: 163	No uORF	Conserved hypothetical protein.
346	AK108793	Length of sequence- 1491 Promoter Pos: 750	No uORF	Conserved hypothetical protein.
347	AK108960	Length of sequence- 490 Promoter Pos: 140	No uORF	Conserved hypothetical protein.
348	AK109289	Length of sequence- 196 Promoter Pos: 139	No uORF	Hypothetical protein.
349	AK109503	Length of sequence- 563 Promoter Pos: 223	10 to 72	-
350	AK109619	Length of sequence- 1229 Promoter Pos: 707	79 to 159 83 to 208 401 to 499 412 to 516 483 to 587 975 to 1139	-
351	AK109629	Length of sequence- 634 Promoter Pos: 330 Promoter Pos: 304	70 to 159 282 to 380	Conserved hypothetical protein.

352	AK110930	Length of sequence- Promoter Pos: 307	762	578 to 649	Hypothetical protein.
353	AK110956	Length of sequence- Promoter Pos: 481	647	34 to 138 60 to 146 502 to 585	Conserved hypothetical protein.
354	AK111255	Length of sequence- Promoter Pos: 130	231	No uORF	Zn-finger, Ran-binding domain containing protein.
355	AK111398	Length of sequence- Promoter Pos: 255	1746	No uORF	Transposase (Fragment).
356	AK111438	Length of sequence- Promoter Pos: 140	851	27 to 128 189 to 449 648 to 731 756 to 845	Ankyrin repeat containing protein.
357	AK111454	Length of sequence- Promoter Pos: 102	423	No uORF	Conserved hypothetical protein.
358	AK111599	Length of sequence- Promoter Pos: 138	212	20 to 142	Casein kinase I.
359	AK111646	Length of sequence- Promoter Pos: 6696	9942	183 to 464 284 to 343 362 to 532 486 to 554	Nucleic acid-binding OB-fold domain containing protein.
360	AK111686	Length of sequence- Promoter Pos: 107	154	No uORF	WD40-like domain containing protein.

361	AK111703	Length of sequence- 276 Promoter Pos: 139 Promoter Pos: 125	No uORF	Casein kinase I, delta isoform (EC 2.7.1.-) (CKI-delta) (CKId) (Fragment).
362	AK111736	Length of sequence- 349 Promoter Pos: 104	No uORF	Altered Response to Gravity (ARG1 protein (Altered Response to Gravity)
363	AK111782	Length of sequence- 279 Promoter Pos: 188	No uORF	Transcription factor MYB1.
364	AK112030	Length of sequence- 241 Promoter Pos: 166	No uORF	Ubiquitin carrier protein.
365	AK112093	Length of sequence- 352 Promoter Pos: 108	No uORF	Conserved hypothetical protein.
366	AK112105	Length of sequence- 4903 Promoter Pos: 3702 Promoter Pos: 110	No uORF	Delta(14)-sterol reductase (EC 1.3.1.70) (C-14 sterol reductase) (Sterol C14-reductase) (FACKEL protein).
367	AK119400	Length of sequence- 900 Promoter Pos: 817	112 to 252 297 to 389 373 to 624 624 to 785	Hypothetical protein.
368	AK119467	Length of sequence- 1451 Promoter Pos: 408 Promoter Pos: 238 Promoter Pos: 896	206 to 367 490 to 618 563 to 622 960 to 1202 1168 to 1236	Hypothetical protein.

369	AK119796	Length of sequence- Promoter Pos: 200	261	No uORF	Hypothetical protein.
370	AK119965	Length of sequence- Promoter Pos: 104	202	No uORF	Hypothetical protein.
371	AK120014	Length of sequence- Promoter Pos: 115	238	No uORF	-
372	AK120056	Length of sequence- Promoter Pos: 156 Promoter Pos: 106	244	No uORF	Lipolytic enzyme, G-D-S-L family protein.
373	AK120073	Length of sequence- Promoter Pos: 150	224	6 to 68	-
374	AK120093	Length of sequence- Promoter Pos: 150	383	No uORF	Nucleotide-sugar transporter family protein.
375	AK120194	Length of sequence- Promoter Pos: 358 Promoter Pos: 331	1591	No uORF	-
376	AK120262	Length of sequence- Promoter Pos: 170	330	No uORF	YTH domain protein 2 (High-glucose-regulated protein 8) (NY-REN-2 antigen) (CLL-associated antigen KW-14). Splice isoform 2.
377	AK120412	Length of sequence- Promoter Pos: 109	2849	233 to 460 336 to 404 417 to 494	Conserved hypothetical protein.
378	AK120491	Length of sequence-	203	No uORF	Zn-finger, RING domain containing protein.

		Promoter Pos: 116		
379	AK120504	Length of sequence- 311 Promoter Pos: 147 Promoter Pos: 153	2 to 277	-
380	AK120610	Length of sequence- 287 Promoter Pos: 131	No uORF	HASTY.
381	AK120617	Length of sequence- 506 Promoter Pos: 458 Promoter Pos: 354	77 to 322	Serine palmitoyltransferase.
382	AK120645	Length of sequence- 174 Promoter Pos: 103	No uORF	Dihydrolipoyl dehydrogenase (EC 1.8.1.4) (E3 component of pyruvate complex) (Dihydrolipoamide dehydrogenase) (LPD).
383	AK120658	Length of sequence- 291 Promoter Pos: 191	No uORF	Zn-finger, RING domain containing protein.
384	AK120751	Length of sequence- 384 Promoter Pos: 217 Promoter Pos: 297	No uORF	Replication factor C conserved region domain containing protein.
385	AK120816	Length of sequence- 432 Promoter Pos: 226	No uORF	Ubiquitin ligase SINAT5 (EC 6.3.2.-) (Seven in absentia homolog 5). Splice isoform 2.
386	AK120825	Length of sequence- 479 Promoter Pos: 346	No uORF	Conserved hypothetical protein.
387	AK120840	Length of sequence- 189 Promoter Pos: 101	No uORF	Cytochrome b5.

388	AK120865	Length of sequence- Promoter Pos: 105	320	No uORF	-
389	AK120871	Length of sequence- Promoter Pos: 198	299	No uORF	Signal recognition particle 54 kDa protein 2 (SRP54).
390	AK120893	Length of sequence- Promoter Pos: 117	814	No uORF	-
391	AK120948	Length of sequence- Promoter Pos: 109	243	No uORF	Peptidase M41 domain containing protein.
392	AK121001	Length of sequence- Promoter Pos: 167	235	No uORF	Hyaluronan/mRNA binding protein family protein.
393	AK121006	Length of sequence- Promoter Pos: 103	166	No uORF	Survival protein SurE family protein.
394	AK121045	Length of sequence- Promoter Pos: 107	169	1 to 90	Mitochondrial substrate carrier family protein.
395	AK121084	Length of sequence- Promoter Pos: 262	908	No uORF	Cyclin-like F-box domain containing protein.
396	AK121195	Length of sequence- Promoter Pos: 102	369	No uORF	Sulfate transporter 3.1 (AST12) (AtST1).
397	AK121218	Length of sequence- Promoter Pos: 1083	1144	86 to 307	LRR19.
398	AK121256	Length of sequence- Promoter Pos: 120 Promoter Pos: 129	2128	No uORF	Conserved hypothetical protein.

		Promoter Pos: 1289		
399	AK121315	Length of sequence- 530 Promoter Pos: 310 Promoter Pos: 280	No uORF	WD40-like domain containing protein.
400	AK121329	Length of sequence- 13485 Promoter Pos: 357 Promoter Pos: 904 Promoter Pos: 6828 Promoter Pos: 5742 Promoter Pos: 10099 Promoter Pos: 395 Promoter Pos: 10692 Promoter Pos: 2747 Promoter Pos: 1127 Promoter Pos: 13344 Promoter Pos: 11118 Promoter Pos: 9012	No uORF	S-locus glycoprotein family protein.
401	AK121359	Length of sequence- 1160 Promoter Pos: 136	No uORF	Cyclin-like F-box domain containing protein.
402	AK121362	Length of sequence- 391 Promoter Pos: 172	No uORF	Single-stranded nucleic acid binding R3H domain containing protein.
403	AK121411	Length of sequence- 2666	33 to 266	-

		Promoter Pos: 2314 Promoter Pos: 381	382 to 441 604 to 693 699 to 806 793 to 879 961 to 1029 972 to 1043 1019 to 1105 1116 to 1178 1159 to 1233 1166 to 1228 1337 to 1411 1513 to 1572 1545 to 1781 1603 to 1671 2255 to 2329 2317 to 2400	
404	AK121420	Length of sequence- 238 Promoter Pos: 115	No uORF	Conserved hypothetical protein.
405	AK121474	Length of sequence- 213 Promoter Pos: 108	No uORF	Zn-finger, RING domain containing protein.
406	AK121856	Length of sequence- 263 Promoter Pos: 179 Promoter Pos: 203	No uORF	Cellular retinaldehyde-binding/triple function, N-terminal domain containing protein.

407	AK121893	Length of sequence- 6400 Promoter Pos: 1832 Promoter Pos: 3063 Promoter Pos: 2287 Promoter Pos: 3932 Promoter Pos: 1248 Promoter Pos: 4922	155 to 220 220 to 327 448 to 525 534 to 626 707 to 841 1006 to 1104 1165 to 1239 1236 to 1322	Hypothetical protein.
408	AK121916	Length of sequence- 1313 Promoter Pos: 370	No uORF	-
409	AK121956	Length of sequence- 321 Promoter Pos: 102	63 to 143	DRE binding protein 2.
410	AK121965	Length of sequence- 160 Promoter Pos: 107	No uORF	Conserved hypothetical protein.
411	AK122067	Length of sequence- 151 Promoter Pos: 101	No uORF	Ubiquitin-conjugating enzyme E2 N (EC 6.3.2.19) (Ubiquitin-protein ligase N) (Ubiquitin carrier protein N) (Ubc13) (Bendless-like ubiquitin conjugating enzyme).
412	AK122126	Length of sequence- 434 Promoter Pos: 110 Promoter Pos: 117	No uORF	Mannose-1-phosphate guanylyltransferase (EC 2.7.7.13) (ATP-mannose-1-phosphate guanylyltransferase) (GDP-mannose pyrophosphorylase) (NDP-hexose pyrophosphorylase).

413	AK122127	Length of sequence- 675 Promoter Pos: 625	No uORF	Beta tubulin (Fragment).
414	AK122130	Length of sequence- 158 Promoter Pos: 112	No uORF	-
415	AK122155	Length of sequence- 472 Promoter Pos: 189	122 to 331	Hypothetical protein.