

Tables S5. Genome-wide prediction of CRE1 binding sites in *T. reesei*.

Protein ID	Site 1*	Site 2	Distance	Description	Functional category
54283	-709	-700	9	Predicted carbohydrate kinase, contains PfkB domain	General function prediction only
102572	-335	-315	20	Parvulin-like peptidyl-prolyl cis-trans isomerase	Posttranslational modification, protein turnover, chaperones
43817	-912	-903	9	PHD Zn-finger protein	General function prediction only
53576	-872	-862	10	CREB binding protein/P300 and related TAZ Zn-finger proteins	Transcription
102743	-500	-489	11	von Willebrand factor and related coagulation proteins	Defense mechanisms / Extracellular structures
102743	-191	-183	8	von Willebrand factor and related coagulation proteins	Defense mechanisms / Extracellular structures
44330	-1165	-1155	10	Dual-specificity tyrosine-phosphorylation regulated kinase	General function prediction only
74258	-1111	-1084	27	Phenylalanyl-tRNA synthetase beta subunit	Translation, ribosomal structure and biogenesis
2087	-1354	-1345	9	Exosomal 3'-5' exoribonuclease complex, subunit Rrp43	Translation, ribosomal structure and biogenesis
74486	-247	-238	9	Uncharacterized conserved protein	Function unknown
78176	-1489	-1477	12	1,3-beta-glucan synthase/callose synthase catalytic subunit	Cell wall/membrane/envelope biogenesis
107779	-835	-829	6	Predicted alpha/beta hydrolase BEM46	General function prediction only
122103	-61	-55	6	Predicted nucleotidyltransferase	General function prediction only
22538	-1477	-1466	11	Vacuolar assembly/sorting protein PEP5/VPS11	Intracellular trafficking, secretion, and vesicular transport
78817	-56	-27	29	26S proteasome regulatory complex, ATPase RPT6	Posttranslational modification, protein turnover, chaperones
79124	-807	-798	9	Kinesin-like protein	Cytoskeleton
122476	-536	-530	6	Protein involved in autophagy and nutrient starvation	Posttranslational modification, protein turnover, chaperones
22647	-85	-58	27	Microfibrillar-associated protein MFAP1	Cytoskeleton
108697	-512	-505	7	Calcium-responsive transcription coactivator	Transcription
108706	-68	-62	6	Vacuolar sorting protein/ubiquitin receptor VPS23	Intracellular trafficking, secretion, and vesicular transport / Posttranslational modification, protein turnover, chaperones
64111	-423	-412	11	Structural maintenance of chromosome protein SMC5/Spr18, SMC superfamily	Replication, recombination and repair / Chromatin structure and dynamics / Cell cycle control, cell division, chromosome partitioning
108784	-657	-638	19	Zinc-binding oxidoreductase	Energy production and conversion / General function prediction only
64193	-1329	-1323	6	Transferrin receptor and related proteins containing the protease-associated (PA) domain	Posttranslational modification, protein turnover, chaperones / Inorganic ion transport and metabolism / General function prediction only

64193	-1323	-1317	6	Transferrin receptor and related proteins containing the protease-associated (PA) domain	Posttranslational modification, protein turnover, chaperones / Inorganic ion transport and metabolism / General function prediction only
64193	-1317	-1311	6	Transferrin receptor and related proteins containing the protease-associated (PA) domain	Posttranslational modification, protein turnover, chaperones / Inorganic ion transport and metabolism / General function prediction only
22731	-258	-252	6	Beclin-like protein	Signal transduction mechanisms
4654	-319	-306	13	Histidinol dehydrogenase	Amino acid transport and metabolism
49832	-839	-810	29	Translation initiation factor 2C (eIF-2C) and related proteins	Translation, ribosomal structure and biogenesis
79673	-677	-670	7	Serine/threonine protein kinase	Signal transduction mechanisms
79741	-266	-242	24	Sulfate/bicarbonate/oxalate exchanger SAT-1 and related transporters (SLC26 family)	Inorganic ion transport and metabolism
122828	-199	-186	13	Uncharacterized protein of the uridine kinase family	Nucleotide transport and metabolism
79884	-207	-193	14	Ubiquitin-like protein	Cell cycle control, cell division, chromosome partitioning / Posttranslational modification, protein turnover, chaperones
80007	-1059	-1040	19	WW domain binding protein WBP-2, contains GRAM domain	Signal transduction mechanisms
4905	-956	-947	9	VAMP-associated protein involved in inositol metabolism	Intracellular trafficking, secretion, and vesicular transport
65969	-224	-201	23	Cytoskeletal protein Adducin	Signal transduction mechanisms / Cytoskeleton
4947	-173	-167	6	TRAPP 20 K subunit	Intracellular trafficking, secretion, and vesicular transport
27085	-737	-707	30	KRR1-interacting protein involved in 40S ribosome biogenesis	Translation, ribosomal structure and biogenesis
109779	-134	-127	7	von Willebrand factor and related coagulation proteins	Defense mechanisms / Extracellular structures
123030	-796	-785	11	RhoGEF GTPase	Signal transduction mechanisms
80231	-133	-127	6	Hexokinase	Carbohydrate transport and metabolism
66405	-1363	-1355	8	Transcription initiation factor TFIID, subunit TAF5 (also component of histone acetyltransferase SAGA)	Transcription
123114	-1289	-1262	27	Molecular chaperone (HSP90 family)	Posttranslational modification, protein turnover, chaperones
123226	-754	-742	12	Neutral trehalase	Carbohydrate transport and metabolism
120172	-100	-92	8	Fe-S oxidoreductase	Energy production and conversion
2384	-543	-535	8	Signaling protein SWIFT and related BRCT domain proteins	Transcription / Replication, recombination and repair / Cell cycle control, cell division, chromosome partitioning / Signal transduction mechanisms
55180	-938	-921	17	COP9 signalosome, subunit CSN6	Signal transduction mechanisms / Posttranslational modification, protein turnover, chaperones
55172	-782	-767	15	Isoamyl acetate-hydrolyzing esterase and related enzymes	General function prediction only

80833	-1424	-1398	26	Chitinase	Carbohydrate transport and metabolism
23050	-1126	-1118	8	Small Nuclear ribonucleoprotein splicing factor	RNA processing and modification
81102	-1088	-1070	18	Flavin-containing monooxygenase	Secondary metabolites biosynthesis, transport and catabolism
68107	-979	-973	6	Ubiquitin-like/40S ribosomal S30 protein fusion	Translation, ribosomal structure and biogenesis / Posttranslational modification, protein turnover, chaperones
81303	-129	-108	21	Fumarate reductase, flavoprotein subunit	Energy production and conversion
111102	-308	-302	6	Glycosylphosphatidylinositol-specific phospholipase C	Signal transduction mechanisms
111102	-302	-296	6	Glycosylphosphatidylinositol-specific phospholipase C	Signal transduction mechanisms
68622	-1055	-1046	9	Uncharacterized conserved protein	Function unknown
123705	-1173	-1145	28	UDP-glucose/GDP-mannose dehydrogenase	Signal transduction mechanisms / Carbohydrate transport and metabolism
111417	-1083	-1077	6	Dehydrogenases with different specificities (related to short-chain alcohol dehydrogenases)	Secondary metabolites biosynthesis, transport and catabolism
5656	-178	-165	13	Predicted transporter (major facilitator superfamily)	General function prediction only
69122	-859	-848	11	Fatty acid desaturase	Lipid transport and metabolism
69068	-760	-751	9	Predicted ubiquitin regulatory protein	Posttranslational modification, protein turnover, chaperones
81843	-287	-275	12	Alkaline phosphatase	Inorganic ion transport and metabolism
81859	-559	-534	25	Ubiquitin carboxyl-terminal hydrolase	Posttranslational modification, protein turnover, chaperones
123946	-580	-562	18	Predicted dehydrogenase	Secondary metabolites biosynthesis, transport and catabolism
104180	-197	-173	24	Ankyrin	Cell wall/membrane/envelope biogenesis
56792	-747	-737	10	Predicted mitochondrial cholesterol transporter	Signal transduction mechanisms / Lipid transport and metabolism
56515	-1465	-1438	27	Mismatch repair ATPase MSH4 (MutS family)	Replication, recombination and repair
120391	-76	-61	15	Serine/threonine protein kinase	Signal transduction mechanisms
57010	-692	-686	6	Protein geranylgeranyltransferase Type I, beta subunit	Posttranslational modification, protein turnover, chaperones
75397	-428	-405	23	Vacuolar assembly/sorting protein VPS9	Intracellular trafficking, secretion, and vesicular transport
2648	-182	-160	22	Predicted component of NuA3 histone acetyltransferase complex	Chromatin structure and dynamics
75444	-89	-74	15	COP9 signalosome, subunit CSN4	Signal transduction mechanisms / Posttranslational modification, protein turnover, chaperones
75444	-42	-36	6	COP9 signalosome, subunit CSN4	Signal transduction mechanisms / Posttranslational modification, protein turnover, chaperones
72661	-106	-99	7	Serine/threonine protein kinase	Signal transduction mechanisms

104535	-1485	-1463	22	Telomerase elongation inhibitor/RNA maturation protein PINX1	RNA processing and modification / Cell cycle control, cell division, chromosome partitioning
75568	-1479	-1463	16	Thioredoxin-like protein	Posttranslational modification, protein turnover, chaperones
2745	-128	-119	9	Fumarase	Energy production and conversion
124094	-400	-394	6	Predicted methyltransferase	General function prediction only
5927	-259	-232	27	Serine carboxypeptidases (lysosomal cathepsin A)	Posttranslational modification, protein turnover, chaperones / Amino acid transport and metabolism
70548	-158	-152	6	Ras1 guanine nucleotide exchange factor	Signal transduction mechanisms
124181	-1059	-1044	15	Members of tubulin/FtsZ family	Cytoskeleton
82499	-201	-177	24	Predicted integral membrane protein	General function prediction only
120623	-901	-894	7	Nuclear receptor coregulator SMRT/SMRTER, contains Myb-like domains	Transcription
120623	-894	-887	7	Nuclear receptor coregulator SMRT/SMRTER, contains Myb-like domains	Transcription
21752	-1103	-1092	11	Amphiphysin	Intracellular trafficking, secretion, and vesicular transport
46247	-962	-939	23	WD40 repeat-containing protein	General function prediction only
76117	-159	-146	13	Defense-related protein containing SCP domain	Function unknown
76117	-146	-140	6	Defense-related protein containing SCP domain	Function unknown
57609	-1466	-1450	16	Heterochromatin-associated protein HP1 and related CHROMO domain proteins	Chromatin structure and dynamics
105191	-1220	-1190	30	RNA polymerase I and III, subunit RPA40/RPC40	Transcription
57335	-195	-172	23	Uncharacterized conserved protein	Function unknown
52847	-604	-589	15	NADH:ubiquinone oxidoreductase, NDUFA5/B13 subunit	Energy production and conversion
124285	-674	-665	9	Small nuclear ribonucleoprotein SMD1 and related snRNPs	RNA processing and modification
105342	-766	-749	17	von Willebrand factor and related coagulation proteins	Defense mechanisms / Extracellular structures
76336	-1434	-1428	6	Mitofusin 1 GTPase, involved in mitochondria biogenesis	Posttranslational modification, protein turnover, chaperones
105432	-947	-938	9	FOG: Immunoglobulin and related proteins	Inorganic ion transport and metabolism / General function prediction only
59014	-1217	-1211	6	Pleiotropic drug resistance proteins (PDR1-15), ABC superfamily	Secondary metabolites biosynthesis, transport and catabolism
59014	-1211	-1199	12	Pleiotropic drug resistance proteins (PDR1-15), ABC superfamily	Secondary metabolites biosynthesis, transport and catabolism
59014	-1199	-1193	6	Pleiotropic drug resistance proteins (PDR1-15), ABC superfamily	Secondary metabolites biosynthesis, transport and catabolism

59014	-1193	-1187	6	Pleiotropic drug resistance proteins (PDR1-15), ABC superfamily	Secondary metabolites biosynthesis, transport and catabolism
58539	-659	-653	6	Mitochondrial ribosome small subunit component, mediator of apoptosis DAP3	Translation, ribosomal structure and biogenesis
121158	-1320	-1297	23	Serine/threonine protein kinase	Signal transduction mechanisms
105931	-761	-755	6	Beta-N-acetylhexosaminidase	Carbohydrate transport and metabolism
105931	-755	-738	17	Beta-N-acetylhexosaminidase	Carbohydrate transport and metabolism
105931	-738	-721	17	Beta-N-acetylhexosaminidase	Carbohydrate transport and metabolism
105931	-721	-704	17	Beta-N-acetylhexosaminidase	Carbohydrate transport and metabolism
105931	-704	-680	24	Beta-N-acetylhexosaminidase	Carbohydrate transport and metabolism
106051	-819	-813	6	Transcription factor TCF20	Transcription
106067	-1137	-1130	7	Mitochondrial chaperonin	Posttranslational modification, protein turnover, chaperones
47069	-177	-165	12	3'-5' exonuclease	Replication, recombination and repair
60346	-85	-74	11	Para-aminobenzoate (PABA) synthase ABZ1	Translation, ribosomal structure and biogenesis
60008	-1339	-1318	21	Phosphatidylethanolamine binding protein	General function prediction only
60873	-84	-55	29	ATP-dependent DNA ligase I	Replication, recombination and repair
61159	-49	-39	10	Subunit of cis-Golgi transport vesicle tethering complex - Sec34p	Intracellular trafficking, secretion, and vesicular transport
107187	-1093	-1077	16	Reductases with broad range of substrate specificities	General function prediction only
3889	-1330	-1324	6	von Willebrand factor and related coagulation proteins	Defense mechanisms / Extracellular structures
3889	-1324	-1306	18	von Willebrand factor and related coagulation proteins	Defense mechanisms / Extracellular structures
3889	-1306	-1300	6	von Willebrand factor and related coagulation proteins	Defense mechanisms / Extracellular structures
3889	-1300	-1282	18	von Willebrand factor and related coagulation proteins	Defense mechanisms / Extracellular structures
121777	-1222	-1216	6	Halotolerance protein HAL3 (contains flavoprotein domain)	Cell cycle control, cell division, chromosome partitioning / Inorganic ion transport and metabolism
107323	-265	-251	14	Predicted 3-ketosphinganine reductase	Secondary metabolites biosynthesis, transport and catabolism
121820	-279	-270	9	Methionine synthase II (cobalamin-independent)	Amino acid transport and metabolism
77991	-578	-561	17	RNA polymerase II transcription initiation/nucleotide excision repair factor TFIIH, subunit SSL1	Transcription / Replication, recombination and repair
78072	-617	-596	21	Amidases	Translation, ribosomal structure and biogenesis
121915	-894	-884	10	Microtubule-binding protein (translationally controlled tumor protein)	Cell cycle control, cell division, chromosome partitioning / Cytoskeleton

54991	-893	-884	9	Hydroxysteroid 17-beta dehydrogenase 11	Secondary metabolites biosynthesis, transport and catabolism
53437	-305	-278	27	Putative RNA polymerase II regulator	Transcription
44041	-403	-394	9	NADH-ubiquinone oxidoreductase, NDUFS1/75 kDa subunit	Energy production and conversion
102947	-165	-135	30	Speckle-type POZ protein SPOP and related proteins with TRAF, MATH and BTB/POZ domains	Cell cycle control, cell division, chromosome partitioning / General function prediction only
21324	-1145	-1118	27	Protein phosphatase 2A regulatory subunit A and related proteins	Signal transduction mechanisms
54144	-187	-178	9	Ferric reductase, NADH/NADPH oxidase and related proteins	Inorganic ion transport and metabolism / Secondary metabolites biosynthesis, transport and catabolism
53685	-1412	-1405	7	Type I phosphodiesterase/nucleotide pyrophosphatase	General function prediction only
33273	-1174	-1165	9	Mitochondrial/chloroplast ribosomal protein L17	Translation, ribosomal structure and biogenesis
103350	-417	-396	21	Mitochondrial ribosomal protein S28	Translation, ribosomal structure and biogenesis
4064	-1321	-1311	10	Threonine/serine dehydratases	Amino acid transport and metabolism
34197	-1201	-1195	6	Stress-induced protein UVI31+	Signal transduction mechanisms
62706	-1095	-1089	6	Protein phosphatase 1, regulatory subunit, and related proteins	Signal transduction mechanisms
62314	-1329	-1323	6	Transcription initiation factor TFIID, subunit BDF1 and related bromodomain proteins	Transcription
122124	-899	-879	20	AAA+-type ATPase	Posttranslational modification, protein turnover, chaperones
78582	-723	-708	15	Protoheme ferro-lyase (ferrochelatase)	Coenzyme transport and metabolism
4213	-22	-11	11	Ribonuclease, T2 family	RNA processing and modification
63206	-1089	-1074	15	Putative zinc transporter	Inorganic ion transport and metabolism
122240	-337	-328	9	Carnitine O-acyltransferase CPT2/YAT1	Lipid transport and metabolism
36727	-511	-505	6	SWI-SNF chromatin-remodeling complex protein	Chromatin structure and dynamics
78909	-1333	-1324	9	NDR and related serine/threonine kinases	General function prediction only
4475	-743	-716	27	C-3 sterol dehydrogenase/3-beta-hydroxysteroid dehydrogenase and related dehydrogenases	Amino acid transport and metabolism / Lipid transport and metabolism
63882	-622	-613	9	Enoyl-CoA hydratase	Lipid transport and metabolism
79244	-1310	-1303	7	Serine/threonine protein kinase	Signal transduction mechanisms
108783	-1188	-1169	19	Flavin-containing monooxygenase	Secondary metabolites biosynthesis, transport and catabolism
79324	-107	-89	18	Flavonol reductase/cinnamoyl-CoA reductase	Defense mechanisms
79329	-306	-276	30	Permease of the major facilitator superfamily	General function prediction only

79345	-1160	-1151	9	Peroxisomal membrane protein MPV17 and related proteins	General function prediction only
64545	-391	-385	6	Monocarboxylate transporter	Carbohydrate transport and metabolism
109007	-953	-947	6	FOG: Low-complexity	Function unknown
22785	-604	-581	23	FOG: Zn-finger	General function prediction only
22785	-296	-290	6	FOG: Zn-finger	General function prediction only
65142	-84	-78	6	Aldehyde dehydrogenase	Energy production and conversion
109397	-1191	-1178	13	Uncharacterized conserved protein	Function unknown
122886	-1332	-1305	27	Beta tubulin	Cytoskeleton
50335	-1344	-1335	9	Ras-related small GTPase, Rho type	General function prediction only
122988	-488	-463	25	Multidrug resistance-associated protein/mitoxantrone resistance protein, ABC superfamily	Secondary metabolites biosynthesis, transport and catabolism
65925	-937	-914	23	Cytosine deaminase FCY1 and related enzymes	Nucleotide transport and metabolism
123015	-1243	-1213	30	GTPase Rab5/YPT51 and related small G protein superfamily GTPases	Intracellular trafficking, secretion, and vesicular transport
123029	-1445	-1437	8	Cu ²⁺ /Zn ²⁺ superoxide dismutase SOD1	Inorganic ion transport and metabolism
65965	-350	-326	24	SAM-dependent methyltransferases	Lipid transport and metabolism / General function prediction only
65821	-1415	-1397	18	Uncharacterized conserved protein, contains WD40 repeats	Function unknown
22911	-64	-39	25	Glucose-repressible alcohol dehydrogenase transcriptional effector CCR4 and related proteins	Transcription
66484	-1140	-1116	24	Guanine nucleotide exchange factor	Intracellular trafficking, secretion, and vesicular transport
5041	-1238	-1211	27	Transcription initiation factor IIE, alpha subunit	Transcription
123185	-487	-481	6	Myosin class V heavy chain	Cytoskeleton
66844	-625	-619	6	Glycosylphosphatidylinositol anchor synthesis protein	Signal transduction mechanisms
110158	-1136	-1130	6	Predicted small molecule transporter involved in cellular pH homeostasis (Batten disease protein in human)	General function prediction only
55912	-1113	-1088	25	Septin CDC10 and related P-loop GTPases	Cell cycle control, cell division, chromosome partitioning / Signal transduction mechanisms / Cytoskeleton
103470	-1286	-1276	10	RNA-directed RNA polymerase QDE-1 required for posttranscriptional gene silencing and RNA interference	RNA processing and modification
44878	-1369	-1351	18	Arp2/3 complex-interacting protein VIP1/Asp1, involved in regulation of actin cytoskeleton	Cytoskeleton

2358	-1085	-1055	30	Diadenosine polyphosphate hydrolase and related proteins of the histidine triad (HIT) family	Nucleotide transport and metabolism / General function prediction only
2365	-1183	-1175	8	Putative N2,N2-dimethylguanosine tRNA methyltransferase	RNA processing and modification
21505	-945	-924	21	G-protein alpha subunit (small G protein superfamily)	Cell cycle control, cell division, chromosome partitioning / Signal transduction mechanisms
75069	-806	-782	24	Predicted membrane protein, contains DoH and Cytochrome b-561/ferric reductase transmembrane domains	Signal transduction mechanisms
110636	-1088	-1082	6	RRM motif-containing protein	RNA processing and modification
80961	-1208	-1197	11	Transcription factor TCF20	Transcription
51212	-808	-802	6	60S ribosomal protein L5	Translation, ribosomal structure and biogenesis
67732	-1034	-1017	17	Multidrug resistance-associated protein/mitoxantrone resistance protein, ABC superfamily	Secondary metabolites biosynthesis, transport and catabolism
51455	-113	-107	6	ATP-dependent RNA helicase	RNA processing and modification
110949	-1127	-1115	12	C-type lectin	Defense mechanisms / Signal transduction mechanisms
68122	-772	-755	17	Permease of the major facilitator superfamily	Carbohydrate transport and metabolism
111192	-1420	-1411	9	Nucleolar GTPase/ATPase p130	Nuclear structure
111447	-1281	-1270	11	Sulfatase	General function prediction only
23276	-978	-969	9	VAMP-associated protein involved in inositol metabolism	Intracellular trafficking, secretion, and vesicular transport
81822	-491	-461	30	Leucyl-tRNA synthetase	Translation, ribosomal structure and biogenesis
69651	-454	-443	11	Predicted transporter (major facilitator superfamily)	General function prediction only
75195	-438	-432	6	NADPH oxidase	Energy production and conversion
75195	-432	-420	12	NADPH oxidase	Energy production and conversion
120384	-1062	-1035	27	Notchless-like WD40 repeat-containing protein	Function unknown
75383	-1447	-1441	6	Reductases with broad range of substrate specificities	General function prediction only
75403	-642	-620	22	Cysteine desulfurase NFS1	Amino acid transport and metabolism
104418	-84	-78	6	Kynurenine 3-monooxygenase and related flavoprotein monooxygenases	Energy production and conversion / General function prediction only
75551	-1201	-1174	27	Predicted sugar kinase	Carbohydrate transport and metabolism
104593	-166	-157	9	FOG: WD40 repeat	General function prediction only
52521	-1252	-1246	6	Uncharacterized conserved protein	Function unknown

6011	-538	-514	24	Phosphatidic acid-preferring phospholipase A1, contains DDHD domain	Intracellular trafficking, secretion, and vesicular transport / Lipid transport and metabolism
57870	-690	-684	6	Histones H3 and H4	Chromatin structure and dynamics
104785	-1099	-1085	14	Phosphoinositide phosphatase SAC1	Lipid transport and metabolism
75845	-1442	-1431	11	Cysteine desulfurase NFS1	Amino acid transport and metabolism
45980	-1431	-1424	7	Cell cycle control protein	Transcription / Cell cycle control, cell division, chromosome partitioning / Signal transduction mechanisms
57472	-201	-187	14	FOG: RRM domain	General function prediction only
76057	-761	-753	8	Vacuolar H ⁺ -ATPase V1 sector, subunit B	Energy production and conversion
58011	-620	-611	9	FOG: Zn-finger	General function prediction only
57286	-1396	-1373	23	Histone H3 (Lys4) methyltransferase complex, subunit CPS25/DPY-30	Transcription
82651	-1170	-1161	9	Cullins	Cell cycle control, cell division, chromosome partitioning
46463	-968	-962	6	Serine palmitoyltransferase	Posttranslational modification, protein turnover, chaperones
46613	-161	-155	6	Predicted membrane protein	Function unknown
76700	-108	-81	27	FOG: Zn-finger	General function prediction only / Transcription
105968	-1071	-1044	27	Iron/ascorbate family oxidoreductases	Secondary metabolites biosynthesis, transport and catabolism / General function prediction only
76905	-1230	-1203	27	Flavin-containing monooxygenase	Secondary metabolites biosynthesis, transport and catabolism
121298	-1175	-1145	30	Glyoxylate/hydroxypyruvate reductase (D-isomer-specific 2-hydroxy acid dehydrogenase superfamily)	Energy production and conversion
121441	-702	-672	30	Synaptic vesicle transporter SVOP and related transporters (major facilitator superfamily)	General function prediction only
121529	-1252	-1227	25	Mitochondrial carrier protein MRS3/4	Energy production and conversion
77495	-1064	-1035	29	Uncharacterized conserved protein	Function unknown
107014	-248	-239	9	Nucleolar GTPase/ATPase p130	Nuclear structure
121786	-1182	-1168	14	Uncharacterized conserved protein	Function unknown
62493	-384	-372	12	Chromatin remodeling complex RSC, subunit RSC1/Polybromo and related proteins	Transcription / Chromatin structure and dynamics
27939	-964	-953	11	Predicted transporter (major facilitator superfamily)	General function prediction only
70750	-1410	-1395	15	Vacuolar H ⁺ -ATPase V0 sector, subunit M9.7 (M9.2)	Energy production and conversion
29619	-113	-83	30	Annexin	Intracellular trafficking, secretion, and vesicular transport

34112	-1179	-1166	13	60S ribosomal protein L22	Translation, ribosomal structure and biogenesis
69217	-1144	-1121	23	Cdk activating kinase (CAK)/RNA polymerase II transcription initiation/nucleotide excision repair factor TFIIH/TFIIK, kinase subunit CDK7	Transcription / Replication, recombination and repair / Cell cycle control, cell division, chromosome partitioning
30465	-158	-152	6	U4/U6 small nuclear ribonucleoprotein Prp4 (contains WD40 repeats)	RNA processing and modification
56872	-273	-264	9	Serine/threonine specific protein phosphatase involved in glycogen accumulation, PP2A-related	Signal transduction mechanisms / Carbohydrate transport and metabolism
55969	-1040	-1030	10	Translation initiation factor 1A (eIF-1A)	Translation, ribosomal structure and biogenesis
54471	-320	-295	25	Serine/threonine protein kinase	Signal transduction mechanisms
59546	-1191	-1184	7	Transcription coactivator	Transcription
41035	-1398	-1389	9	Calcium-responsive transcription coactivator	Transcription
69013	-1375	-1369	6	Uncharacterized conserved protein	Function unknown
69013	-1369	-1363	6	Uncharacterized conserved protein	Function unknown
33704	-835	-822	13	Transcription initiation factor TFIIID, subunit TAF9 (also component of histone acetyltransferase SAGA)	Transcription
27649	-767	-742	25	FOG: Zn-finger	General function prediction only
63092	-1377	-1360	17	Ribulose kinase and related carbohydrate kinases	Carbohydrate transport and metabolism
25244	-1165	-1136	29	FOG: Zn-finger	General function prediction only
61032	-364	-354	10	FOG: RCC1 domain	Function unknown
39285	-405	-399	6	Predicted DNA methylase	Function unknown
55114	-1056	-1029	27	Nucleoside phosphatase	Nucleotide transport and metabolism
54736	-776	-770	6	ATP-dependent RNA helicase	RNA processing and modification
103131	-597	-591	6	unknown protein	-
53596	-505	-489	16	unknown protein	-
78189	-218	-212	6	unknown protein	-
62386	-257	-246	11	unknown protein	-
62537	-1270	-1258	12	unknown protein	-
62333	-1237	-1211	26	unknown protein	-
71532	-715	-686	29	unknown protein	-

108025	-1294	-1270	24	unknown protein	-
4221	-983	-968	15	unknown protein	-
108202	-245	-236	9	unknown protein	-
108202	-236	-227	9	unknown protein	-
108573	-574	-565	9	unknown protein	-
108683	-1011	-981	30	unknown protein	-
79222	-225	-198	27	unknown protein	-
79222	-198	-171	27	unknown protein	-
79222	-121	-107	14	unknown protein	-
122576	-1287	-1281	6	unknown protein	-
79921	-755	-745	10	unknown protein	-
65572	-201	-182	19	unknown protein	-
80252	-1433	-1409	24	unknown protein	-
5011	-622	-616	6	unknown protein	-
123186	-324	-318	6	unknown protein	-
110159	-978	-972	6	unknown protein	-
110825	-683	-674	9	unknown protein	-
68026	-841	-835	6	unknown protein	-
81586	-424	-411	13	unknown protein	-
81586	-411	-405	6	unknown protein	-
81586	-405	-399	6	unknown protein	-
81586	-399	-393	6	unknown protein	-
81586	-393	-387	6	unknown protein	-
68876	-1402	-1389	13	unknown protein	-
68876	-1389	-1383	6	unknown protein	-
68876	-1383	-1377	6	unknown protein	-
68876	-1377	-1371	6	unknown protein	-
68876	-1371	-1365	6	unknown protein	-

111439	-1420	-1402	18	unknown protein	-
68948	-1395	-1389	6	unknown protein	-
68948	-1389	-1383	6	unknown protein	-
123955	-59	-50	9	unknown protein	-
81979	-1125	-1116	9	unknown protein	-
104071	-1404	-1398	6	unknown protein	-
104419	-17	-11	6	unknown protein	-
56218	-428	-400	28	unknown protein	-
41699	-920	-896	24	unknown protein	-
57534	-660	-653	7	unknown protein	-
75935	-879	-869	10	unknown protein	-
105176	-68	-62	6	unknown protein	-
59073	-774	-767	7	unknown protein	-
58282	-1373	-1364	9	unknown protein	-
121091	-1179	-1154	25	unknown protein	-
106154	-323	-296	27	unknown protein	-
121337	-741	-735	6	unknown protein	-
106452	-923	-902	21	unknown protein	-
106452	-726	-720	6	unknown protein	-
60578	-1093	-1087	6	unknown protein	-
60422	-21	-12	9	unknown protein	-
107111	-38	-19	19	unknown protein	-
48178	-71	-41	30	unknown protein	-
54352	-1375	-1369	6	unknown protein	-
54426	-343	-334	9	unknown protein	-
103130	-965	-959	6	unknown protein	-
62198	-1023	-994	29	unknown protein	-
78706	-1025	-1016	9	unknown protein	-

78706	-1016	-1007	9	unknown protein	-
78706	-197	-176	21	unknown protein	-
71676	-231	-222	9	unknown protein	-
63648	-453	-444	9	unknown protein	-
43418	-1062	-1043	19	unknown protein	-
65808	-1246	-1240	6	unknown protein	-
123256	-1330	-1321	9	unknown protein	-
103563	-1396	-1390	6	unknown protein	-
80685	-1479	-1472	7	unknown protein	-
80685	-1472	-1465	7	unknown protein	-
80685	-1465	-1458	7	unknown protein	-
67035	-958	-950	8	unknown protein	-
81149	-1475	-1461	14	unknown protein	-
51907	-1468	-1439	29	unknown protein	-
72488	-369	-356	13	unknown protein	-
56531	-703	-691	12	unknown protein	-
120407	-1136	-1127	9	unknown protein	-
75394	-282	-259	23	unknown protein	-
56259	-530	-508	22	unknown protein	-
111991	-603	-594	9	unknown protein	-
111991	-594	-588	6	unknown protein	-
111991	-588	-570	18	unknown protein	-
112212	-223	-196	27	unknown protein	-
105389	-403	-383	20	unknown protein	-
105520	-761	-755	6	unknown protein	-
105520	-755	-743	12	unknown protein	-
105520	-743	-737	6	unknown protein	-
105520	-737	-731	6	unknown protein	-

105524	-995	-986	9	unknown protein	-
58634	-744	-738	6	unknown protein	-
121355	-1442	-1414	28	unknown protein	-
106444	-1374	-1358	16	unknown protein	-
60004	-1409	-1388	21	unknown protein	-
60004	-1212	-1206	6	unknown protein	-
60897	-234	-220	14	unknown protein	-
60665	-1234	-1224	10	unknown protein	-
3739	-1305	-1288	17	unknown protein	-
121638	-177	-171	6	unknown protein	-
32204	-29	-14	15	unknown protein	-
33058	-769	-757	12	unknown protein	-
59703	-1203	-1178	25	unknown protein	-
66865	-83	-65	18	unknown protein	-
55698	-960	-950	10	unknown protein	-
34353	-1035	-1029	6	unknown protein	-
65817	-1389	-1383	6	unknown protein	-
32293	-815	-792	23	unknown protein	-
32293	-93	-69	24	unknown protein	-
42953	-794	-776	18	unknown protein	-
26163	-291	-270	21	unknown protein	-

*Positions of Sites 1 and 2 are relative to the gene start codon.