

Table S2. Table showing the normalized counts (see materials and methods for details) for all the six li

PITG #	P18 - Rep1	P18 - Rep2	T3 - Rep1
PITG_00005 | Pi protein kinase, putative (1646 nt)	0	55	0
PITG_00006 | Pi hypothetical protein (830 nt)	11	40	0
PITG_00011 | Pi conserved hypothetical protein (591 nt)	567	178	0
PITG_00012 | Pi conserved hypothetical protein (636 nt)	11	15	0
PITG_00014 | Pi 26S proteasome non-ATPase regulatory subunit 13, |	30	81	3
PITG_00015 | Pi DNA-binding protein, putative (804 nt)	0	11	0
PITG_00016 | Pi DNA-binding protein, putative (708 nt)	2	22	0
PITG_00020 | Pi conserved hypothetical protein (2785 nt)	18	44	0
PITG_00022 | Pi Multidrug/Oligosaccharidyl-lipid/Polysaccharide (MC	0	4	0
PITG_00023 | Pi mitoferrin-like protein (1812 nt)	3	18	0
PITG_00024 | Pi conserved hypothetical protein (1959 nt)	0	4	0
PITG_00025 | Pi conserved hypothetical protein (1831 nt)	1	10	0
PITG_00026 | Pi ankyrin-like protein (1390 nt)	3	14	0
PITG_00028 | Pi aminoacylase-1, putative (1660 nt)	1	11	0
PITG_00029 | Pi aminoacylase-1, putative (1617 nt)	4	64	0
PITG_00031 | Pi conserved hypothetical protein (882 nt)	1	18	0
PITG_00033 | Pi hypothetical protein (889 nt)	0	0	0
PITG_00034 | Pi aldehyde dehydrogenase, putative (1971 nt)	16	65	4
PITG_00035 | Pi 60S ribosomal export protein NMD3, putative (1739	1	13	0
PITG_00037 | Pi conserved hypothetical protein (1307 nt)	6	10	0
PITG_00038 | Pi myb-like DNA-binding protein, putative (2903 nt)	5	28	0
PITG_00039 | Pi telomere length regulation protein TEL2 (2330 nt)	1	16	0
PITG_00042 | Pi conserved hypothetical protein (362 nt)	8	18	0
PITG_00043 | Pi conserved hypothetical protein (2137 nt)	1	11	0
PITG_00045 | Pi myosin-like protein (4243 nt)	24	196	0
PITG_00046 | Pi sporangia induced conserved hypothetical protein (2	1	0	0
PITG_00047 | Pi conserved hypothetical protein (2806 nt)	0	3	0
PITG_00048 | Pi conserved hypothetical protein (1230 nt)	6	15	0
PITG_00049 | Pi conserved hypothetical protein (1998 nt)	8	23	0
PITG_00051 | Pi DNA-directed RNA polymerase III subunit RPC6, puta	5	8	0
PITG_00054 | Pi Mitochondrial Protein Translocase (MPT) Family (91:	26	68	0
PITG_00055 | Pi conserved hypothetical protein (1335 nt)	0	0	0
PITG_00058 | Pi protease inhibitor EpiC4 (519 nt)	197	362	4
PITG_00060 | Pi hypothetical protein (647 nt)	0	0	0
PITG_00062 | Pi Mitochondrial Protein Translocase (MPT) Family (31:	43	121	7
PITG_00063 | Pi mitogen activated protein kinase 7 (1520 nt)	0	5	0
PITG_00064 | Pi conserved hypothetical protein (1572 nt)	3	14	0
PITG_00065 | Pi conserved hypothetical protein (2385 nt)	2	11	0
PITG_00066 | Pi conserved hypothetical protein (3837 nt)	0	17	0
PITG_00067 | Pi conserved hypothetical protein (2386 nt)	27	45	0
PITG_00069 | Pi conserved hypothetical protein (1759 nt)	4	15	0
PITG_00070 | Pi conserved hypothetical protein (2152 nt)	1	11	0
PITG_00071 | Pi DNA replication complex GINS protein PSF1 (1030 nt	9	24	0
PITG_00074 | Pi conserved hypothetical protein (1263 nt)	32	139	27
PITG_00075 | Pi conserved hypothetical protein (4353 nt)	2	3	0

PITG_00076 | Pi hypothetical protein (680 nt)	0	0	0
PITG_00077 | Pi ubiquitin-specific protease, putative (4536 nt)	2	19	0
PITG_00078 | Pi kinesin-like protein (2754 nt)	6	40	0
PITG_00080 | Pi protein kinase (1285 nt)	4	8	0
PITG_00081 | Pi protein kinase, putative (2507 nt)	0	2	0
PITG_00082 | Pi monovalent Cation:Proton Antiporter-2 (CPA2) famil	1	16	0
PITG_00083 | Pi conserved hypothetical protein (957 nt)	0	13	0
PITG_00088 | Pi pre-mRNA-splicing factor cwc2, putative (1347 nt)	2	25	0
PITG_00089 | Pi GTP-binding protein SAR1 (955 nt)	490	313	4
PITG_00090 | Pi vacuolar sorting protein SNF8 (980 nt)	4	24	0
PITG_00094 | Pi conserved hypothetical protein (4402 nt)	0	2	0
PITG_00101 | Pi HECT E3 ubiquitin ligase, putative (6796 nt)	0	2	0
PITG_00107 | Pi conserved hypothetical protein (1243 nt)	2	0	0
PITG_00108 | Pi phospholipase D, putative (1037 nt)	4	14	0
PITG_00109 | Pi DEAD/DEAH box RNA helicase, putative (1557 nt)	2	6	0
PITG_00110 | Pi cytochrome c1 heme lyase, putative (823 nt)	2	14	0
PITG_00115 | Pi protein kinase, putative (1413 nt)	11	42	0
PITG_00116 | Pi SUMO ligase, putative (2368 nt)	11	24	0
PITG_00117 | Pi splicing factor 3A (1905 nt)	3	15	0
PITG_00118 | Pi conserved hypothetical protein (624 nt)	44	76	1
PITG_00119 | Pi hypothetical protein (1089 nt)	7	29	0
PITG_00121 | Pi sporangia induced predicted protein (1146 nt)	0	0	0
PITG_00123 | Pi sporangia induced hypothetical protein (453 nt)	3	19	0
PITG_00124 | Pi ser/thr kinase (1093 nt)	0	5	0
PITG_00125 | Pi conserved hypothetical protein (1671 nt)	20	80	0
PITG_00127 | Pi estradiol 17-beta-dehydrogenase, putative (1259 nt)	31	70	4
PITG_00128 | Pi conserved hypothetical protein (675 nt)	16	23	0
PITG_00129 | Pi copine-like protein, putative (1517 nt)	13	97	0
PITG_00132 | Pi phosphoglycerate kinase (1321 nt)	12	9	0
PITG_00133 | Pi phosphoserine aminotransferase, putative (11706 nt)	8	27	1
PITG_00134 | Pi COP9 signalosome complex subunit 3, putative (150:	11	28	0
PITG_00138 | Pi conserved hypothetical protein (525 nt)	15	58	0
PITG_00140 | Pi chromodomain-helicase-DNA-binding protein, putati	6	32	0
PITG_00142 | Pi ribosome biogenesis protein NEP1, putative (870 nt)	1	5	0
PITG_00143 | Pi nuclear migration protein nudC-like protein (973 nt)	3	21	0
PITG_00144 | Pi conserved hypothetical protein (1314 nt)	7	6	0
PITG_00146 | Pi glucose-6-phosphate 1-dehydrogenase (1735 nt)	71	107	1
PITG_00147 | Pi conserved hypothetical protein (891 nt)	7	5	0
PITG_00148 | Pi programmed cell death 6-interacting protein, putati	7	20	0
PITG_00149 | Pi conserved hypothetical protein (5349 nt)	0	0	0
PITG_00150 | Pi conserved hypothetical protein (1395 nt)	4	33	0
PITG_00151 | Pi conserved hypothetical protein (429 nt)	63	101	0
PITG_00152 | Pi kinesin-like protein (4503 nt)	3	32	0
PITG_00155 | Pi conserved hypothetical protein (1187 nt)	6	117	0
PITG_00156 | Pi beta-tubulin (1747 nt)	17	34	107
PITG_00158 | Pi conserved hypothetical protein (551 nt)	8	29	0
PITG_00160 | Pi conserved hypothetical protein (8298 nt)	3	7	0

PITG_00163	Pi threonine dehydratase, mitochondrial precursor (15.	9	9	0
PITG_00164	Pi conserved hypothetical protein (1426 nt)	4	58	1
PITG_00165	Pi conserved hypothetical protein (1289 nt)	2	7	0
PITG_00166	Pi phosphoserine phosphatase (1163 nt)	15	36	0
PITG_00167	Pi cAMP-specific 3',5'-cyclic phosphodiesterase, putativ	23	56	0
PITG_00169	Pi conserved hypothetical protein (2737 nt)	2	9	0
PITG_00170	Pi vacuolar-sorting receptor, putative (1963 nt)	65	190	3
PITG_00171	Pi conserved hypothetical protein (1383 nt)	2	9	0
PITG_00172	Pi proteasome subunit alpha, putative (933 nt)	17	129	5
PITG_00173	Pi vesicle-associated membrane protein, putative (848	6	9	0
PITG_00174	Pi hypothetical protein (348 nt)	16	32	0
PITG_00175	Pi conserved hypothetical protein (1993 nt)	20	6	0
PITG_00176	Pi presenilin-like protein (1741 nt)	0	13	0
PITG_00177	Pi allantoinase (1194 nt)	1	6	0
PITG_00178	Pi dual specificity tyrosine-phosphorylation-regulated k	8	50	0
PITG_00179	Pi 40S ribosomal protein S12, putative (958 nt)	862	610	83
PITG_00180	Pi conserved hypothetical protein (1967 nt)	14	9	0
PITG_00182	Pi conserved hypothetical protein (354 nt)	13	49	0
PITG_00183	Pi dynamin-2 (2133 nt)	12	57	1
PITG_00185	Pi Voltage-gated Ion Channel (VIC) Superfamily (3986 n	1	19	0
PITG_00186	Pi histone acetyltransferase, putative (1618 nt)	6	11	0
PITG_00187	Pi protein kinase, putative (1771 nt)	1	14	0
PITG_00188	Pi kinesin-like protein (3667 nt)	6	38	0
PITG_00189	Pi conserved hypothetical protein (1889 nt)	16	51	1
PITG_00190	Pi conserved hypothetical protein (1683 nt)	3	11	0
PITG_00191	Pi conserved hypothetical protein (1047 nt)	4	3	0
PITG_00192	Pi conserved hypothetical protein (2269 nt)	2	11	0
PITG_00193	Pi conserved hypothetical protein (2741 nt)	11	17	0
PITG_00194	Pi casein kinase II subunit, putative (1305 nt)	71	134	3
PITG_00197	Pi conserved hypothetical protein (2757 nt)	1	19	0
PITG_00198	Pi conserved hypothetical protein (472 nt)	11	120	0
PITG_00200	Pi conserved hypothetical protein (592 nt)	10	31	0
PITG_00203	Pi mitochondrial-processing peptidase subunit beta (14	26	112	13
PITG_00204	Pi kinesin heavy chain, putative (3202 nt)	1	11	0
PITG_00205	Pi conserved hypothetical protein (736 nt)	17	89	1
PITG_00206	Pi conserved hypothetical protein (1726 nt)	2	35	0
PITG_00207	Pi conserved hypothetical protein (1220 nt)	2	10	0
PITG_00208	Pi protein kinase, putative (2334 nt)	25	88	0
PITG_00209	Pi Major Facilitator Superfamily (MFS) (1943 nt)	24	47	0
PITG_00211	Pi adenine phosphoribosyltransferase, putative (945 nt	7	39	0
PITG_00212	Pi conserved hypothetical protein (1458 nt)	161	162	0
PITG_00213	Pi hypothetical protein (1007 nt)	75	422	0
PITG_00215	Pi calmodulin-binding transcription activator, putative	8	25	0
PITG_00216	Pi conserved hypothetical protein (685 nt)	18	40	2
PITG_00218	Pi ATP-binding Cassette (ABC) Superfamily (14365 nt)	8	105	0
PITG_00219	Pi glucan 1,3-beta-glucosidase, putative (1188 nt)	49	331	3
PITG_00220	Pi general transcription factor IIH subunit, putative (96	7	14	0

PITG_00221	Pi tryptophan synthase, putative (1147 nt)	1	7	0
PITG_00223	Pi DNA repair and recombination protein RAD54 (3231 nt)	4	11	0
PITG_00224	Pi conserved hypothetical protein (3393 nt)	3	9	0
PITG_00225	Pi sialin-like protein (1725 nt)	13	25	0
PITG_00226	Pi kinesin-like protein (3531 nt)	1	16	0
PITG_00227	Pi DEAD/DEAH box RNA helicase, putative (2079 nt)	3	10	0
PITG_00229	Pi 26S protease regulatory subunit S10B (1485 nt)	11	52	2
PITG_00230	Pi peptidyl-prolyl cis-trans isomerase, mitochondrial pr	1	0	0
PITG_00231	Pi eyes absent family protein (2157 nt)	5	7	0
PITG_00232	Pi conserved hypothetical protein (691 nt)	7	31	0
PITG_00233	Pi Major Facilitator Superfamily (MFS) (1776 nt)	3	17	0
PITG_00234	Pi conserved hypothetical protein (2020 nt)	69	624	4
PITG_00235	Pi hypothetical protein (307 nt)	7	65	0
PITG_00236	Pi cyclin-H, putative (1197 nt)	11	21	0
PITG_00237	Pi 2OG-Fe(II) oxygenase superfamily protein (1345 nt)	2	21	0
PITG_00244	Pi hypothetical protein (2329 nt)	4	42	0
PITG_00250	Pi conserved hypothetical protein (1791 nt)	10	10	0
PITG_00251	Pi conserved hypothetical protein (1831 nt)	307	323	0
PITG_00252	Pi conserved hypothetical protein (1134 nt)	26	23	0
PITG_00254	Pi mitogen-activated protein kinase, putative (2165 nt)	7	38	0
PITG_00255	Pi conserved hypothetical protein (438 nt)	2	18	0
PITG_00256	Pi conserved hypothetical protein (1551 nt)	0	7	0
PITG_00257	Pi conserved hypothetical protein (2512 nt)	30	34	0
PITG_00259	Pi conserved hypothetical protein (849 nt)	5	1	0
PITG_00260	Pi conserved hypothetical protein (842 nt)	10	1	0
PITG_00262	Pi nuclear pore complex protein Nup93-like protein (29	7	19	0
PITG_00263	Pi conserved hypothetical protein (4408 nt)	6	82	0
PITG_00264	Pi Delta(3,5)-Delta(2,4)-dienoyl-CoA isomerase, putativ	7	65	0
PITG_00266	Pi 40S ribosomal protein S10 (596 nt)	513	401	43
PITG_00269	Pi conserved hypothetical protein (2585 nt)	8	39	0
PITG_00271	Pi conserved hypothetical protein (1164 nt)	4	2	0
PITG_00272	Pi phosphatidylinositol kinase (1338 nt)	184	126	1
PITG_00273	Pi N-acetylated-alpha-linked acidic dipeptidase-like pro	2	0	0
PITG_00274	Pi Ryanodine-Inositol 1,4,5-triphosphate Receptor Ca2	3	15	0
PITG_00275	Pi Iron(III)-zinc(II) purple acid phosphatase, putative (15	1	16	0
PITG_00279	Pi ubiquitin carboxyl-terminal hydrolase, putative (405	52	125	2
PITG_00280	Pi conserved hypothetical protein (1521 nt)	10	147	1
PITG_00281	Pi Major Facilitator Superfamily (MFS) (1781 nt)	3	18	0
PITG_00282	Pi conserved hypothetical protein (678 nt)	9	5	0
PITG_00283	Pi conserved hypothetical protein (1065 nt)	9	17	0
PITG_00284	Pi phospholipase D, Pi-PXTM-PLD (5424 nt)	2	28	0
PITG_00287	Pi formyl-coenzyme A transferase, putative (1335 nt)	1	12	0
PITG_00289	Pi glutamate carboxypeptidase, putative (2350 nt)	14	6	0
PITG_00290	Pi conserved hypothetical protein (504 nt)	3	1	0
PITG_00291	Pi scavenger mRNA-decapping enzyme DcpS, putative (	5	19	0
PITG_00292	Pi hypothetical protein (493 nt)	16	27	0
PITG_00293	Pi conserved hypothetical protein (378 nt)	14	101	2

PITG_00294	Pi carbohydrate esterase, putative (1017 nt)	7	8	0
PITG_00295	Pi conserved hypothetical protein (1460 nt)	10	24	0
PITG_00296	Pi protein kinase, putative (1296 nt)	3	20	0
PITG_00297	Pi conserved hypothetical protein (1760 nt)	46	403	0
PITG_00298	Pi conserved hypothetical protein (1380 nt)	3	11	0
PITG_00299	Pi alpha-1,3-mannosyltransferase, putative (4859 nt)	0	16	0
PITG_00300	Pi 3-oxoacyl-[acyl-carrier-protein] synthase, mitochond	4	24	0
PITG_00301	Pi conserved hypothetical protein (2787 nt)	0	2	0
PITG_00302	Pi phenylalanyl-tRNA synthetase beta chain (2017 nt)	12	21	0
PITG_00308	Pi conserved hypothetical protein (2420 nt)	11	25	0
PITG_00309	Pi conserved hypothetical protein (1417 nt)	3	22	0
PITG_00311	Pi conserved hypothetical protein (728 nt)	1	15	0
PITG_00312	Pi conserved hypothetical protein (411 nt)	2	10	0
PITG_00313	Pi hypothetical protein (1989 nt)	2	13	0
PITG_00314	Pi conserved hypothetical protein (853 nt)	52	80	2
PITG_00315	Pi transmembrane protein, putative (4152 nt)	2	6	0
PITG_00319	Pi conserved hypothetical protein (744 nt)	77	136	1
PITG_00320	Pi conserved hypothetical protein (1593 nt)	5	51	0
PITG_00321	Pi conserved hypothetical protein (1365 nt)	0	0	0
PITG_00323	Pi conserved hypothetical protein (3543 nt)	2	18	0
PITG_00324	Pi neutral ceramidase, putative (2144 nt)	3	31	0
PITG_00328	Pi conserved hypothetical protein (1449 nt)	0	13	0
PITG_00330	Pi phosphatidylinositol-4-phosphate-5-kinase (PI-PIPK-I	1	29	0
PITG_00332	Pi Monovalent Cation:Proton Antiporter-1 (CPA1) Fami	0	1	0
PITG_00333	Pi dihydroflavonol-4-reductase, putative (3720 nt)	15	119	0
PITG_00334	Pi conserved hypothetical protein (3697 nt)	39	165	0
PITG_00336	Pi conserved hypothetical protein (3015 nt)	4	13	0
PITG_00337	Pi small mechanosensitive channel family protein, puta	6	36	0
PITG_00338	Pi conserved hypothetical protein (978 nt)	7	53	0
PITG_00342	Pi conserved hypothetical protein (1537 nt)	13	0	0
PITG_00343	Pi conserved hypothetical protein (2037 nt)	4	11	0
PITG_00348	Pi myosin-like protein (4175 nt)	1	37	0
PITG_00349	Pi conserved hypothetical protein (1615 nt)	4	29	0
PITG_00350	Pi COP9 signalosome complex subunit 1, putative (147:	8	19	0
PITG_00351	Pi conserved hypothetical protein (2181 nt)	0	0	0
PITG_00352	Pi pyruvate dehydrogenase kinase-like protein (1277 nt)	4	19	0
PITG_00359	Pi hypothetical protein (817 nt)	16	160	0
PITG_00361	Pi conserved hypothetical protein (1984 nt)	1	14	0
PITG_00362	Pi conserved hypothetical protein (1377 nt)	1	0	0
PITG_00369	Pi conserved hypothetical protein (2439 nt)	3	12	0
PITG_00370	Pi conserved hypothetical protein (964 nt)	14	23	0
PITG_00375	Pi haustorium-specific membrane protein, putative (30	0	3	9
PITG_00377	Pi hypothetical protein (1021 nt)	5	10	0
PITG_00380	Pi sphingosine-1-phosphate lyase, putative (1905 nt)	26	63	0
PITG_00381	Pi serine protease family S54, putative (1348 nt)	27	19	0
PITG_00382	Pi hypothetical protein (756 nt)	5	14	0
PITG_00383	Pi conserved hypothetical protein (1121 nt)	19	11	0

PITG_00385	Pi conserved hypothetical protein (3214 nt)	0	11	0
PITG_00388	Pi conserved hypothetical protein (2188 nt)	2	10	0
PITG_00389	Pi conserved hypothetical protein (1735 nt)	2	17	0
PITG_00390	Pi conserved hypothetical protein (1591 nt)	76	175	0
PITG_00391	Pi conserved hypothetical protein (2680 nt)	20	72	0
PITG_00392	Pi serine protease family S33, putative (907 nt)	9	40	0
PITG_00393	Pi conserved hypothetical protein (880 nt)	0	3	0
PITG_00395	Pi cathepsin B, cysteine protease family C01A, putative	5	5	0
PITG_00396	Pi aspartyl protease family A01B, putative (2059 nt)	16	28	0
PITG_00397	Pi eukaryotic translation initiation factor 3 subunit C, p	4	25	2
PITG_00398	Pi conserved hypothetical protein (1621 nt)	4	10	0
PITG_00399	Pi nuclear ribonuclease Z, putative (989 nt)	1	31	0
PITG_00400	Pi conserved hypothetical protein (796 nt)	10	107	0
PITG_00401	Pi ribosome maturation protein SBDS, putative (1127 n	14	45	0
PITG_00402	Pi conserved hypothetical protein (1268 nt)	8	38	0
PITG_00404	Pi hypothetical protein (1637 nt)	3	9	0
PITG_00406	Pi conserved hypothetical protein (1597 nt)	33	41	0
PITG_00408	Pi transmembrane protein, putative (3475 nt)	3	11	0
PITG_00409	Pi rho GDP-dissociation inhibitor (853 nt)	6	18	0
PITG_00410	Pi bystin (1269 nt)	1	12	0
PITG_00411	Pi adaptin-like protein (762 nt)	7	28	0
PITG_00413	Pi Proton-dependent Oligopeptide Transporter (POT) F	3	32	0
PITG_00416	Pi calcium-dependent protein kinase, putative (2172 nt	7	17	0
PITG_00417	Pi Patatin like protein (3525 nt)	8	18	0
PITG_00419	Pi conserved hypothetical protein (964 nt)	5	10	0
PITG_00420	Pi F-box protein, putative (489 nt)	1	3	0
PITG_00421	Pi conserved hypothetical protein (5341 nt)	1	14	0
PITG_00422	Pi Zinc (Zn ²⁺)-Iron (Fe ²⁺) Permease (ZIP) Family (1176 n	3	17	0
PITG_00423	Pi conserved hypothetical protein (781 nt)	37	40	0
PITG_00424	Pi conserved hypothetical protein (1020 nt)	8	8	0
PITG_00426	Pi conserved hypothetical protein (2286 nt)	2	17	0
PITG_00430	Pi conserved hypothetical protein (2326 nt)	0	14	0
PITG_00431	Pi calcineurin-like phosphoesterase, putative (1687 nt)	44	194	1
PITG_00437	Pi conserved hypothetical protein (1505 nt)	2	12	0
PITG_00439	Pi conserved hypothetical protein (1452 nt)	2	8	0
PITG_00440	Pi myotubularin-like protein (4762 nt)	6	12	0
PITG_00441	Pi conserved hypothetical protein (1546 nt)	6	20	0
PITG_00442	Pi cytochrome c/c1 heme lyase, putative (1233 nt)	6	27	0
PITG_00443	Pi 40S ribosomal protein S6 (1247 nt)	495	966	102
PITG_00444	Pi conserved hypothetical protein (3254 nt)	4	23	0
PITG_00447	Pi sporangia induced hypothetical protein (1163 nt)	0	2	0
PITG_00448	Pi tRNA (cytosine-5-)-methyltransferase NSUN2, putati	1	4	0
PITG_00449	Pi conserved hypothetical protein (1134 nt)	2	11	0
PITG_00450	Pi conserved hypothetical protein (6882 nt)	17	16	0
PITG_00451	Pi 2-oxoisovalerate dehydrogenase subunit beta, mitoc	180	71	0
PITG_00452	Pi xylulose kinase, putative (1677 nt)	8	11	0
PITG_00453	Pi lipoamide acyltransferase component of branched-c	10	31	1

PITG_00454 | Pi RCC1 and BTB domain-containing protein, putative (:	7	19	0
PITG_00455 | Pi conserved hypothetical protein (1185 nt)	43	84	0
PITG_00456 | Pi conserved hypothetical protein (736 nt)	10	34	0
PITG_00457 | Pi conserved hypothetical protein (1101 nt)	9	46	2
PITG_00458 | Pi dihydrolipoyllysine-residue acetyltransferase compo	15	17	0
PITG_00459 | Pi coatomer subunit zeta-1, putative (1166 nt)	23	68	3
PITG_00460 | Pi phosphatidylinositol-4-phosphate-5-kinase (Pi-PIPKC	2	26	0
PITG_00461 | Pi Mitochondrial Carrier (MC) Family (879 nt)	20	63	4
PITG_00466 | Pi conserved hypothetical protein (2946 nt)	0	18	0
PITG_00467 | Pi conserved hypothetical protein (720 nt)	1	4	0
PITG_00468 | Pi conserved hypothetical protein (862 nt)	3	16	0
PITG_00469 | Pi conserved hypothetical protein (1536 nt)	8	46	0
PITG_00471 | Pi pyridoxal biosynthesis lyase pdxS (1094 nt)	843	173	14
PITG_00472 | Pi pre-mRNA-splicing factor syf2 (1007 nt)	15	48	0
PITG_00473 | Pi tetratricopeptide repeat protein, putative (3075 nt)	2	10	0
PITG_00475 | Pi conserved hypothetical protein (749 nt)	6	12	0
PITG_00476 | Pi conserved hypothetical protein (3579 nt)	0	13	0
PITG_00478 | Pi conserved hypothetical protein (3441 nt)	1	0	0
PITG_00479 | Pi conserved hypothetical protein (2066 nt)	11	26	0
PITG_00482 | Pi conserved hypothetical protein (2025 nt)	12	34	0
PITG_00483 | Pi pumilio-like mating protein M90 (3326 nt)	3	16	0
PITG_00486 | Pi hypothetical protein (1155 nt)	23	71	0
PITG_00488 | Pi conserved hypothetical protein (623 nt)	105	330	23
PITG_00489 | Pi conserved hypothetical protein (1605 nt)	0	1	0
PITG_00490 | Pi protein phosphatase 2C, putative (1562 nt)	16	21	1
PITG_00492 | Pi cytochrome c peroxidase, mitochondrial precursor (:	28	313	5
PITG_00494 | Pi Drug/Metabolite Transporter (DMT) Superfamily (15	11	39	0
PITG_00495 | Pi fat-free family protein (2988 nt)	3	29	0
PITG_00496 | Pi 3'5'-cyclic nucleotide phosphodiesterase, putative (3	7	11	0
PITG_00499 | Pi ATP-dependent RNA helicase dbp4, putative (1628 n	2	11	0
PITG_00500 | Pi conserved hypothetical protein (537 nt)	10	23	0
PITG_00501 | Pi conserved hypothetical protein (2340 nt)	9	10	0
PITG_00502 | Pi conserved hypothetical protein (4136 nt)	4	5	0
PITG_00503 | Pi Rab32 family GTPase, putative (840 nt)	13	78	1
PITG_00504 | Pi conserved hypothetical protein (1469 nt)	5	10	0
PITG_00505 | Pi ubiquitin-conjugating enzyme E2, putative (444 nt)	645	669	16
PITG_00506 | Pi syntaxin 7-like protein (1139 nt)	30	86	0
PITG_00509 | Pi conserved hypothetical protein (1200 nt)	4	11	0
PITG_00510 | Pi hypothetical protein (2755 nt)	1	7	0
PITG_00513 | Pi myb-like DNA-binding protein, putative (725 nt)	14	0	0
PITG_00514 | Pi myb-like DNA-binding protein, putative (627 nt)	5	8	0
PITG_00515 | Pi hypothetical protein (1168 nt)	11	25	0
PITG_00516 | Pi conserved hypothetical protein (717 nt)	22	11	0
PITG_00518 | Pi nucleoredoxin, putative (587 nt)	131	344	14
PITG_00523 | Pi conserved hypothetical protein (723 nt)	8	24	0
PITG_00524 | Pi conserved hypothetical protein (2049 nt)	3	16	0
PITG_00525 | Pi protein kinase, putative (2482 nt)	14	55	0

PITG_00527	Pi luminal-binding protein 3 precursor (2088 nt)	106	559	48
PITG_00530	Pi conserved hypothetical protein (1328 nt)	99	36	0
PITG_00535	Pi hypothetical protein (891 nt)	2	9	0
PITG_00536	Pi pre-mRNA-splicing factor CWC25-like protein (1726 nt)	9	19	0
PITG_00537	Pi ubiquitin-conjugating enzyme E2, putative (882 nt)	33	126	0
PITG_00542	Pi mediator of RNA polymerase II transcription subunit	15	15	0
PITG_00543	Pi formate-tetrahydrofolate ligase (2336 nt)	4	61	2
PITG_00545	Pi nucleoredoxin, putative (600 nt)	16	182	0
PITG_00546	Pi myosin-like protein (4229 nt)	1	15	0
PITG_00550	Pi conserved hypothetical protein (846 nt)	53	26	0
PITG_00552	Pi memo-like protein (1522 nt)	490	248	0
PITG_00553	Pi 2-oxoglutarate dehydrogenase E1 component, putative	3	12	0
PITG_00554	Pi conserved hypothetical protein (1203 nt)	8	13	0
PITG_00555	Pi conserved hypothetical protein (1105 nt)	0	12	0
PITG_00556	Pi conserved hypothetical protein (1274 nt)	11	47	0
PITG_00559	Pi protein phosphatase 2C, putative (2776 nt)	8	43	0
PITG_00560	Pi conserved hypothetical protein (1537 nt)	2	5	0
PITG_00561	Pi ubiquinone biosynthesis protein COQ9 (1245 nt)	19	24	0
PITG_00562	Pi Mitochondrial Tricarboxylate Carrier (MTC) Family (1	2	6	0
PITG_00563	Pi hypothetical protein (1348 nt)	28	21	0
PITG_00564	Pi conserved hypothetical protein (1083 nt)	659	488	0
PITG_00566	Pi uroporphyrinogen decarboxylase, putative (1407 nt)	7	32	1
PITG_00567	Pi conserved hypothetical protein (1012 nt)	1	7	0
PITG_00568	Pi Drug/Metabolite Transporter (DMT) Superfamily (18	8	30	0
PITG_00569	Pi phosphatidylinositol kinase (PIK-B) (3526 nt)	0	0	0
PITG_00570	Pi phosphatidylserine synthase, putative (1368 nt)	3	8	0
PITG_00571	Pi bifunctional purine biosynthesis protein PURH, putative	6	16	0
PITG_00572	Pi conserved hypothetical protein (700 nt)	7	5	0
PITG_00573	Pi tyrosine-protein phosphatase, putative (577 nt)	8	23	0
PITG_00574	Pi endonuclease III-like, HhH-GPD superfamily base exc	3	29	0
PITG_00577	Pi conserved hypothetical protein (2944 nt)	6	36	0
PITG_00578	Pi metalloprotease family M38, putative (1299 nt)	71	81	3
PITG_00582	Pi secreted RxLR effector peptide, putative (648 nt)	0	0	1
PITG_00584	Pi oxidoreductase, putative (1591 nt)	5	12	0
PITG_00585	Pi peroxiredoxin-like protein (1365 nt)	21	91	3
PITG_00587	Pi hypothetical protein (631 nt)	28	254	0
PITG_00588	Pi cathepsin, cysteine protease family C01A, putative (1	15	88	0
PITG_00589	Pi conserved hypothetical protein (442 nt)	7	12	0
PITG_00590	Pi conserved hypothetical protein (3207 nt)	6	18	0
PITG_00592	Pi hypothetical protein (698 nt)	149	277	8
PITG_00593	Pi monooxygenase, putative (665 nt)	49	124	1
PITG_00594	Pi chaperone protein dnaJ, putative (1617 nt)	19	33	0
PITG_00595	Pi conserved hypothetical protein (2676 nt)	0	2	0
PITG_00603	Pi conserved hypothetical protein (543 nt)	0	11	0
PITG_00608	Pi conserved hypothetical protein (1108 nt)	6	38	0
PITG_00613	Pi 26S protease regulatory subunit 8 (1558 nt)	30	102	3
PITG_00614	Pi protein kinase (570 nt)	0	0	0

PITG_00622	Pi vacuolar protein sorting-associated protein 18 (4544	6	34	0
PITG_00623	Pi 4-aminobutyrate aminotransferase, putative (1276 r	55	117	0
PITG_00624	Pi hypothetical protein (627 nt)	8	1	0
PITG_00625	Pi monooxygenase, putative (672 nt)	104	65	2
PITG_00626	Pi conserved hypothetical protein (2004 nt)	19	25	0
PITG_00627	Pi conserved hypothetical protein (859 nt)	50	16	0
PITG_00628	Pi hypothetical protein (338 nt)	181	33	0
PITG_00630	Pi conserved hypothetical protein (5242 nt)	0	11	0
PITG_00631	Pi conserved hypothetical protein (479 nt)	1054	567	52
PITG_00632	Pi dolichyl-diphosphooligosaccharide-protein glycosyltr	12	61	6
PITG_00633	Pi proteasome subunit alpha type-7, threonine proteas	46	169	8
PITG_00634	Pi gamma-tubulin complex component 4, putative (267	3	13	0
PITG_00635	Pi Ryanodine-Inositol 1,4,5-triphosphate Receptor Ca2	0	13	0
PITG_00641	Pi conserved hypothetical protein (893 nt)	5	13	0
PITG_00643	Pi protein kinase, putative (2750 nt)	0	0	0
PITG_00646	Pi protein kinase, putative (2411 nt)	4	11	0
PITG_00647	Pi conserved hypothetical protein (2152 nt)	4	16	0
PITG_00648	Pi periodic tryptophan protein, putative (1706 nt)	2	10	0
PITG_00649	Pi conserved hypothetical protein (1739 nt)	1	21	0
PITG_00651	Pi centromere/kinetochore protein, putative (3303 nt)	2	24	0
PITG_00654	Pi DNA damage-inducible protein 1, putative (1999 nt)	9	40	0
PITG_00655	Pi conserved hypothetical protein (1033 nt)	12	13	0
PITG_00656	Pi conserved hypothetical protein (699 nt)	9	24	0
PITG_00658	Pi conserved hypothetical protein (1260 nt)	19	20	0
PITG_00659	Pi conserved hypothetical protein (2015 nt)	2	25	0
PITG_00660	Pi conserved hypothetical protein (5732 nt)	1	1	0
PITG_00662	Pi conserved hypothetical protein (4077 nt)	2	9	0
PITG_00663	Pi rRNA methyltransferase, putative (3915 nt)	10	29	2
PITG_00664	Pi conserved hypothetical protein (3626 nt)	3	17	0
PITG_00665	Pi conserved hypothetical protein (1144 nt)	10	27	0
PITG_00666	Pi kinesin-like protein (3039 nt)	0	2	0
PITG_00668	Pi conserved hypothetical protein (1176 nt)	3	21	0
PITG_00669	Pi conserved hypothetical protein (696 nt)	0	11	0
PITG_00670	Pi conserved hypothetical protein (998 nt)	7	12	0
PITG_00672	Pi conserved hypothetical protein (2295 nt)	0	0	0
PITG_00674	Pi carbonic anhydrase, putative (1051 nt)	1	5	0
PITG_00675	Pi conserved hypothetical protein (3391 nt)	3	10	0
PITG_00676	Pi transcription factor (2527 nt)	15	50	0
PITG_00680	Pi conserved hypothetical protein (2351 nt)	3	29	0
PITG_00681	Pi Rab1 family GTPase, putative (1353 nt)	18	96	0
PITG_00682	Pi carbonic anhydrase, putative (1115 nt)	4	35	0
PITG_00683	Pi conserved hypothetical protein (567 nt)	12	38	0
PITG_00685	Pi conserved hypothetical protein (645 nt)	6	41	0
PITG_00687	Pi serine protease family S09X, putative (1631 nt)	5	17	0
PITG_00688	Pi cytochrome oxidase assembly protein, putative (179	60	27	0
PITG_00689	Pi Mitochondrial Carrier (MC) Family (1053 nt)	15	26	0
PITG_00693	Pi plasma membrane H ⁺ -ATPase, putative (2898 nt)	18	209	6

PITG_00694	Pi Sulfate Permease (SulP) Family (3015 nt)	5	4	0
PITG_00695	Pi importin, putative (3310 nt)	7	27	2
PITG_00697	Pi conserved hypothetical protein (643 nt)	6	28	1
PITG_00698	Pi conserved hypothetical protein (997 nt)	2	6	0
PITG_00699	Pi dynactin subunit 5, putative (906 nt)	10	25	0
PITG_00702	Pi conserved hypothetical protein (700 nt)	61	218	10
PITG_00703	Pi 2,4-dienoyl-CoA reductase (2346 nt)	8	38	0
PITG_00705	Pi conserved hypothetical protein (759 nt)	3	29	0
PITG_00706	Pi isoamyl acetate-hydrolyzing esterase 1, putative (82	10	22	0
PITG_00708	Pi thioredoxin, putative (984 nt)	64	611	10
PITG_00709	Pi conserved hypothetical protein (2184 nt)	4	35	0
PITG_00710	Pi isoamyl acetate-hydrolyzing esterase, putative (823	3	3	0
PITG_00712	Pi isoamyl acetate-hydrolyzing esterase, putative (987	16	82	0
PITG_00713	Pi synaptic vesicle glycoprotein 2A, putative (1791 nt)	4	11	0
PITG_00716	Pi thioredoxin, putative (734 nt)	44	92	3
PITG_00717	Pi myosin-like protein (6654 nt)	2	15	0
PITG_00718	Pi mono-ADP-ribosyltransferase sirtuin-6-like protein (:	11	31	0
PITG_00719	Pi acetyl-coenzyme A synthetase (2013 nt)	7	46	0
PITG_00720	Pi acetyl-coenzyme A synthetase (1983 nt)	4	21	1
PITG_00722	Pi conserved hypothetical protein (1226 nt)	23	17	0
PITG_00723	Pi conserved hypothetical protein (465 nt)	13	13	0
PITG_00724	Pi conserved hypothetical protein (460 nt)	65	28	0
PITG_00725	Pi N-acetylglucosamine-1-phosphotransferase subunits	4	21	0
PITG_00726	Pi conserved hypothetical protein (1015 nt)	97	141	0
PITG_00732	Pi phosphatidylinositol kinase (PIK-K) (4015 nt)	2	35	0
PITG_00733	Pi aspartyl protease family A22B, putative (1122 nt)	39	57	2
PITG_00734	Pi conserved hypothetical protein (1974 nt)	6	14	0
PITG_00743	Pi N-acetylglucosamine-1-phosphotransferase subunits	6	14	0
PITG_00744	Pi conserved hypothetical protein (1400 nt)	1	22	0
PITG_00746	Pi conserved hypothetical protein (1512 nt)	2	25	0
PITG_00747	Pi hydroxymethylglutaryl-CoA lyase, mitochondrial pre	20	77	0
PITG_00748	Pi conserved hypothetical protein (6289 nt)	1	17	0
PITG_00750	Pi Zinc (Zn ²⁺)-Iron (Fe ²⁺) Permease (ZIP) Family (984 nt)	5	0	0
PITG_00754	Pi gamma-glutamyltranspeptidase, putative (1671 nt)	11	36	0
PITG_00755	Pi conserved hypothetical protein (2618 nt)	0	14	0
PITG_00756	Pi carboxypeptidase, putative (1449 nt)	9	123	0
PITG_00757	Pi gamma-glutamyltranspeptidase, putative (1670 nt)	1	24	0
PITG_00761	Pi protein kinase, putative (1140 nt)	102	441	0
PITG_00762	Pi conserved hypothetical protein (1108 nt)	3	17	0
PITG_00763	Pi conserved hypothetical protein (1209 nt)	2	15	0
PITG_00764	Pi V-type proton ATPase subunit H, putative (2110 nt)	19	87	1
PITG_00765	Pi flagellar adenylate kinase (844 nt)	12	101	3
PITG_00766	Pi conserved hypothetical protein (2056 nt)	2	9	0
PITG_00770	Pi conserved hypothetical protein (3380 nt)	3	31	0
PITG_00771	Pi conserved hypothetical protein (664 nt)	0	11	0
PITG_00772	Pi Major Facilitator Superfamily (MFS) (1662 nt)	0	0	0
PITG_00778	Pi conserved hypothetical protein (819 nt)	5	9	0

PITG_00782	| Pi conserved hypothetical protein (1044 nt)	19	82	0
PITG_00787	| Pi CRM1 C terminal Exportin 1-like protein (3496 nt)	20	52	0
PITG_00789	| Pi conserved hypothetical protein (393 nt)	19	17	0
PITG_00790	| Pi conserved hypothetical protein (2195 nt)	0	4	0
PITG_00792	| Pi conserved hypothetical protein (478 nt)	28	18	0
PITG_00793	| Pi hypothetical protein (3031 nt)	5	67	0
PITG_00795	| Pi conserved hypothetical protein (983 nt)	102	62	0
PITG_00796	| Pi conserved hypothetical protein (1363 nt)	5	7	0
PITG_00797	| Pi WD domain-containing protein (2367 nt)	9	20	0
PITG_00798	| Pi conserved hypothetical protein (4828 nt)	0	11	0
PITG_00804	| Pi T-complex protein 1 subunit delta (1892 nt)	23	73	6
PITG_00806	| Pi conserved hypothetical protein (911 nt)	46	77	0
PITG_00807	| Pi conserved hypothetical protein (570 nt)	12	10	1
PITG_00808	| Pi conserved hypothetical protein (1619 nt)	10	33	0
PITG_00809	| Pi M96 mating-specific protein family (4618 nt)	22	134	0
PITG_00816	| Pi conserved hypothetical protein (2086 nt)	1	3	0
PITG_00818	| Pi conserved hypothetical protein (4546 nt)	2	14	0
PITG_00819	| Pi conserved hypothetical protein (3717 nt)	3	13	0
PITG_00820	| Pi conserved hypothetical protein (1224 nt)	13	53	0
PITG_00827	| Pi prohibitin (1137 nt)	130	152	11
PITG_00828	| Pi phosphatidylinositol kinase (PIK-5) (10555 nt)	1	12	0
PITG_00829	| Pi conserved hypothetical protein (456 nt)	3	22	0
PITG_00830	| Pi conserved hypothetical protein (798 nt)	10	19	0
PITG_00833	| Pi conserved hypothetical protein (1007 nt)	157	2669	0
PITG_00834	| Pi conserved hypothetical protein (740 nt)	14	1631	0
PITG_00839	| Pi conserved hypothetical protein (797 nt)	81	1889	0
PITG_00840	| Pi hypothetical protein (492 nt)	3	152	0
PITG_00841	| Pi conserved hypothetical protein (675 nt)	2	439	0
PITG_00842	| Pi copine-like protein, putative (974 nt)	43	115	0
PITG_00844	| Pi copine-like protein, putative (1103 nt)	6	101	0
PITG_00845	| Pi 3'5'-cyclic nucleotide phosphodiesterase, putative (4	9	66	0
PITG_00846	| Pi conserved hypothetical protein (1337 nt)	1	4	0
PITG_00849	| Pi hypothetical protein (310 nt)	19	36	0
PITG_00850	| Pi thioredoxin-dependent peroxide reductase, putative	16	84	4
PITG_00851	| Pi conserved hypothetical protein (1468 nt)	4	33	0
PITG_00852	| Pi conserved hypothetical protein (734 nt)	2	41	0
PITG_00853	| Pi conserved hypothetical protein (642 nt)	1	10	0
PITG_00854	| Pi conserved hypothetical protein (3184 nt)	20	32	0
PITG_00855	| Pi conserved hypothetical protein (1091 nt)	41	52	0
PITG_00856	| Pi conserved hypothetical protein (733 nt)	159	51	0
PITG_00857	| Pi conserved hypothetical protein (559 nt)	54	34	0
PITG_00858	| Pi serine/threonine protein kinase (3299 nt)	9	21	0
PITG_00859	| Pi hypothetical protein (759 nt)	6	6	0
PITG_00861	| Pi conserved hypothetical protein (1384 nt)	21	87	0
PITG_00863	| Pi DEAD/DEAH box RNA helicase, putative (1236 nt)	5	32	0
PITG_00864	| Pi conserved hypothetical protein (2433 nt)	0	9	0
PITG_00867	| Pi conserved hypothetical protein (1749 nt)	29	67	0

PITG_00868	Pi naringenin,2-oxoglutarate 3-dioxygenase, putative (9	0	2	0
PITG_00874	Pi carbohydrate-binding protein, putative (1714 nt)	0	16	0
PITG_00877	Pi putative GPI anchor protein (1686 nt)	0	2	0
PITG_00878	Pi 2OG-Fe(II) oxygenase superfamily protein (1082 nt)	2	20	0
PITG_00879	Pi 60S ribosomal protein L30, putative (976 nt)	35	0	0
PITG_00880	Pi conserved hypothetical protein (1523 nt)	375	261	38
PITG_00882	Pi ATP-binding Cassette (ABC) Superfamily (6129 nt)	4	32	0
PITG_00883	Pi hypothetical protein (455 nt)	8	15	0
PITG_00884	Pi conserved hypothetical protein (441 nt)	64	92	2
PITG_00886	Pi conserved hypothetical protein (802 nt)	4	14	0
PITG_00887	Pi conserved hypothetical protein (1650 nt)	4	8	0
PITG_00888	Pi conserved hypothetical protein (992 nt)	19	37	0
PITG_00891	Pi conserved hypothetical protein (837 nt)	0	1	0
PITG_00894	Pi carbohydrate-binding protein, putative (1712 nt)	1	23	0
PITG_00896	Pi phosphatidylinositol-4-phosphate-5-kinase (Pi-PIPK-I	0	9	0
PITG_00897	Pi conserved hypothetical protein (1429 nt)	0	0	0
PITG_00899	Pi prefoldin subunit 3, putative (784 nt)	7	32	0
PITG_00910	Pi EF-1 guanine nucleotide exchange domain-containin	106	241	53
PITG_00911	Pi conserved hypothetical protein (1817 nt)	9	5	0
PITG_00912	Pi 3-hydroxyisobutyrate dehydrogenase, putative (1590	211	83	1
PITG_00913	Pi 3-hydroxyisobutyrate dehydrogenase, putative (1079	3	10	0
PITG_00914	Pi nuclear transcription factor Y subunit, putative (737	53	73	0
PITG_00919	Pi Glycoside-Pentoside-Hexuronide (GPH):Cation Symp	3	0	0
PITG_00921	Pi phospholipase D, Pi-PLD-like-1 (1823 nt)	22	542	7
PITG_00925	Pi conserved hypothetical protein (1055 nt)	13	118	0
PITG_00929	Pi conserved hypothetical protein (862 nt)	0	1	0
PITG_00930	Pi conserved hypothetical protein (883 nt)	102	85	3
PITG_00931	Pi conserved hypothetical protein (1452 nt)	33	71	1
PITG_00934	Pi hypothetical protein (1213 nt)	0	6	0
PITG_00936	Pi conserved hypothetical protein (963 nt)	2	14	0
PITG_00937	Pi sporangia induced hypothetical protein (2469 nt)	0	0	0
PITG_00938	Pi conserved hypothetical protein (5558 nt)	3	20	0
PITG_00939	Pi conserved hypothetical protein (2435 nt)	35	5	0
PITG_00940	Pi pre-mRNA polyadenylation factor, putative (1593 nt)	1	14	0
PITG_00941	Pi 60S ribosomal protein L21-1 (1002 nt)	421	306	36
PITG_00942	Pi conserved hypothetical protein (2332 nt)	3	24	0
PITG_00943	Pi proline synthetase co-transcribed bacterial protein (1	14	40	1
PITG_00945	Pi conserved hypothetical protein (1286 nt)	21	17	0
PITG_00947	Pi conserved hypothetical protein (1852 nt)	7	34	0
PITG_00952	Pi conserved hypothetical protein (1707 nt)	2	10	0
PITG_00953	Pi trafficking protein particle complex subunit 6B (691 n	1	26	0
PITG_00954	Pi conserved hypothetical protein (865 nt)	16	29	0
PITG_00955	Pi conserved hypothetical protein (2098 nt)	41	92	0
PITG_00960	Pi conserved hypothetical protein (2971 nt)	0	12	0
PITG_00961	Pi conserved hypothetical protein (551 nt)	5	18	0
PITG_00962	Pi conserved hypothetical protein (774 nt)	1	6	0
PITG_00964	Pi conserved hypothetical protein (1301 nt)	41	40	0

PITG_00965	Pi conserved hypothetical protein (1942 nt)	18	27	0
PITG_00967	Pi conserved hypothetical protein (896 nt)	7	33	2
PITG_00970	Pi conserved hypothetical protein (1122 nt)	3	27	0
PITG_00971	Pi hypothetical protein (249 nt)	1	25	0
PITG_00973	Pi conserved hypothetical protein (1326 nt)	16	95	0
PITG_00974	Pi YIPF6-like protein (969 nt)	8	75	0
PITG_00978	Pi conserved hypothetical protein (2853 nt)	52	36	0
PITG_00979	Pi conserved hypothetical protein (2036 nt)	12	87	0
PITG_00980	Pi nuclear cap-binding protein subunit, putative (2845 nt)	5	22	0
PITG_00981	Pi conserved hypothetical protein (1637 nt)	5	2	0
PITG_00982	Pi conserved hypothetical protein (4269 nt)	3	28	0
PITG_00983	Pi UDP-N-acetylglucosamine-peptide N-acetylglucosaminyl transferase (NAG-PTase), putative (1000 nt)	2	11	0
PITG_00984	Pi serine hydrolase (FSH1), putative (889 nt)	188	42	0
PITG_00986	Pi peroxiredoxin-4 (979 nt)	24	37	0
PITG_00987	Pi conserved hypothetical protein (243 nt)	867	370	3
PITG_00988	Pi myb-like DNA-binding protein, putative (1056 nt)	0	4	0
PITG_00989	Pi histone demethylase, putative (3052 nt)	9	23	0
PITG_00990	Pi conserved hypothetical protein (891 nt)	7	17	0
PITG_00991	Pi Amino Acid-Polyamine-Organocation (APC) Family (1000 nt)	2	12	0
PITG_00994	Pi conserved hypothetical protein (1176 nt)	20	42	0
PITG_00995	Pi conserved hypothetical protein (537 nt)	41	56	0
PITG_00996	Pi conserved hypothetical protein (973 nt)	4	11	0
PITG_00997	Pi conserved hypothetical protein (645 nt)	67	147	8
PITG_00998	Pi dynein heavy chain (12571 nt)	0	12	0
PITG_00999	Pi protein kinase, putative (1151 nt)	19	40	0
PITG_01001	Pi conserved hypothetical protein (2731 nt)	2	11	0
PITG_01003	Pi conserved hypothetical protein (2352 nt)	5	21	0
PITG_01004	Pi hypothetical protein (405 nt)	402	164	12
PITG_01005	Pi conserved hypothetical protein (2452 nt)	1	19	0
PITG_01006	Pi protein kinase, putative (1464 nt)	5	38	0
PITG_01015	Pi protein kinase, putative, pseudogene (1641 nt)	4	66	0
PITG_01019	Pi U3 small nucleolar RNA-associated protein, putative (1000 nt)	2	11	0
PITG_01020	Pi conserved hypothetical protein (693 nt)	6	17	0
PITG_01027	Pi SF-assemblin, putative (1047 nt)	0	0	0
PITG_01030	Pi SWI4 1, Peter Pan-like protein suppressor (1480 nt)	2	15	0
PITG_01031	Pi conserved hypothetical protein (2295 nt)	9	62	0
PITG_01033	Pi Cation Diffusion Facilitator (CDF) Family (1967 nt)	3	15	0
PITG_01034	Pi Mitochondrial Carrier (MC) Family (787 nt)	38	48	0
PITG_01036	Pi phenylalanyl-tRNA synthetase alpha chain (1874 nt)	6	33	0
PITG_01040	Pi ras family GTPase, putative (985 nt)	0	1	0
PITG_01041	Pi 60S acidic ribosomal protein P2, putative (558 nt)	338	333	27
PITG_01042	Pi 60S ribosomal protein L22, putative (776 nt)	492	407	42
PITG_01043	Pi 3-phosphoinositide-dependent protein kinase, putative (1000 nt)	57	91	1
PITG_01044	Pi DNA repair protein RAD50, putative (3843 nt)	5	18	0
PITG_01045	Pi tRNA pseudouridine synthase D (TruD), putative (2400 nt)	6	11	0
PITG_01046	Pi beta-lactamase-like protein (1095 nt)	11	16	0
PITG_01047	Pi conserved hypothetical protein (1840 nt)	1	14	0

PITG_01048	Pi conserved hypothetical protein (990 nt)	14	18	0
PITG_01049	Pi conserved hypothetical protein (1147 nt)	3	29	0
PITG_01050	Pi Amino Acid-Polyamine-Organocation (APC) Family (1	6	7	0
PITG_01051	Pi Amino Acid-Polyamine-Organocation (APC) Family (1	5	10	0
PITG_01053	Pi Amino Acid-Polyamine-Organocation (APC) Family (1	2	10	0
PITG_01054	Pi conserved hypothetical protein (2179 nt)	1	11	0
PITG_01055	Pi conserved hypothetical protein (1823 nt)	0	0	0
PITG_01056	Pi myb-like DNA-binding protein, putative (1658 nt)	5	7	0
PITG_01058	Pi conserved hypothetical protein (1365 nt)	6	12	0
PITG_01062	Pi S-adenosylmethionine decarboxylase proenzyme, pu	2	23	2
PITG_01063	Pi conserved hypothetical protein (4588 nt)	10	1	0
PITG_01064	Pi conserved hypothetical protein (955 nt)	258	91	4
PITG_01065	Pi folylpolyglutamate synthase, putative (1754 nt)	10	18	0
PITG_01066	Pi conserved hypothetical protein (957 nt)	8	43	0
PITG_01067	Pi conserved hypothetical protein (2401 nt)	1	10	0
PITG_01068	Pi conserved hypothetical protein (1195 nt)	3	26	0
PITG_01070	Pi conserved hypothetical protein (1289 nt)	23	68	0
PITG_01072	Pi 5-methyltetrahydropteroyltriglutamate-homocysteir	23	160	48
PITG_01073	Pi conserved hypothetical protein (2492 nt)	13	36	0
PITG_01074	Pi conserved hypothetical protein (1684 nt)	0	47	0
PITG_01075	Pi conserved hypothetical protein (559 nt)	10	12	0
PITG_01076	Pi ATPase AFG2 protein (2272 nt)	12	16	0
PITG_01081	Pi Drug/Metabolite Transporter (DMT) Superfamily (13	1	8	0
PITG_01082	Pi ran-specific GTPase-activating protein, putative (936	30	168	18
PITG_01083	Pi conserved hypothetical protein (2466 nt)	3	20	0
PITG_01084	Pi conserved hypothetical protein (1377 nt)	3	10	0
PITG_01085	Pi conserved hypothetical protein (411 nt)	9	6	0
PITG_01086	Pi conserved hypothetical protein (1296 nt)	919	171	1
PITG_01087	Pi cell division protease ftsH (2050 nt)	17	45	0
PITG_01088	Pi sporangia induced dynein heavy chain (12490 nt)	1	4	0
PITG_01090	Pi 2Fe-2S ferredoxin, putative (1203 nt)	31	27	0
PITG_01094	Pi 26S proteasome non-ATPase regulatory subunit 11, |	49	140	3
PITG_01096	Pi ATP-binding Cassette (ABC) Superfamily (2979 nt)	2	6	0
PITG_01097	Pi conserved hypothetical protein (8792 nt)	2	21	0
PITG_01098	Pi ATP-binding Cassette (ABC) superfamily (273 nt)	0	3	0
PITG_01100	Pi aquaporin, putative (2207 nt)	2	26	0
PITG_01101	Pi aquaporin, putative (894 nt)	4	18	0
PITG_01102	Pi conserved hypothetical protein (1174 nt)	5	13	0
PITG_01103	Pi phosphatidylinositol synthase (PIS) (986 nt)	43	34	0
PITG_01104	Pi ubiquitin thioesterase otubain (727 nt)	4	17	0
PITG_01107	Pi conserved hypothetical protein (1743 nt)	44	5	0
PITG_01108	Pi conserved hypothetical protein (1694 nt)	5	20	0
PITG_01109	Pi palmitoyltransferase, putative (1538 nt)	4	14	0
PITG_01111	Pi 12-oxophytodienoate reductase, putative (1437 nt)	9	9	0
PITG_01112	Pi UDP-3-O-[3-hydroxymyristoyl] glucosamine N-acyltr	3	17	0
PITG_01113	Pi conserved hypothetical protein (1345 nt)	2	9	0
PITG_01118	Pi conserved hypothetical protein (1302 nt)	1	11	0

PITG_01119	Pi conserved hypothetical protein (610 nt)	177	86	1
PITG_01120	Pi conserved hypothetical protein (231 nt)	105	70	3
PITG_01121	Pi ras family GTPase, putative (1832 nt)	13	20	0
PITG_01123	Pi conserved hypothetical protein (654 nt)	6	17	0
PITG_01124	Pi conserved hypothetical protein (816 nt)	4	21	0
PITG_01125	Pi Drug/Metabolite Transporter (DMT) Superfamily (17	7	9	0
PITG_01127	Pi conserved hypothetical protein (2528 nt)	6	25	0
PITG_01128	Pi putative fatty-acid-CoA ligase, putative (2690 nt)	8	34	0
PITG_01130	Pi conserved hypothetical protein (1730 nt)	0	3	0
PITG_01131	Pi conserved hypothetical protein (1300 nt)	3	11	7
PITG_01133	Pi conserved hypothetical protein (1122 nt)	1	15	0
PITG_01134	Pi conserved hypothetical protein (9050 nt)	1	12	0
PITG_01136	Pi conserved hypothetical protein (3534 nt)	0	0	0
PITG_01138	Pi beta-galactosidase, putative (2469 nt)	19	48	0
PITG_01139	Pi conserved hypothetical protein (744 nt)	7	55	0
PITG_01142	Pi protein kinase, putative (1185 nt)	0	11	0
PITG_01143	Pi conserved hypothetical protein (838 nt)	0	0	0
PITG_01144	Pi conserved hypothetical protein (1097 nt)	28	33	1
PITG_01145	Pi hypothetical protein (807 nt)	39	57	0
PITG_01146	Pi selenide, water dikinase, putative (1363 nt)	6	46	0
PITG_01152	Pi conserved hypothetical protein (2485 nt)	0	11	0
PITG_01153	Pi conserved hypothetical protein (11340 nt)	1	12	0
PITG_01154	Pi gamma-tubulin complex component, putative (3261	3	28	0
PITG_01155	Pi conserved hypothetical protein (1395 nt)	32	37	0
PITG_01156	Pi conserved hypothetical protein (1452 nt)	3	14	0
PITG_01159	Pi conserved hypothetical protein (720 nt)	2	20	0
PITG_01164	Pi glucan 1,3-beta-glucosidase, putative (1119 nt)	5	67	0
PITG_01170	Pi potassium/sodium hyperpolarization-activated cyclic	0	2	0
PITG_01171	Pi signal recognition particle, putative (1536 nt)	13	38	0
PITG_01172	Pi methionine-R-sulfoxide reductase (799 nt)	48	61	0
PITG_01173	Pi palmitoyltransferase, putative (1089 nt)	4	55	0
PITG_01174	Pi conserved hypothetical protein (2147 nt)	1	15	0
PITG_01180	Pi cell division protein ftsZ (1445 nt)	2	12	0
PITG_01181	Pi conserved hypothetical protein (1587 nt)	55	116	2
PITG_01182	Pi conserved hypothetical protein (2003 nt)	4	34	0
PITG_01183	Pi conserved hypothetical protein (3168 nt)	3	26	0
PITG_01184	Pi eukaryotic translation initiation factor 3 subunit G, p	20	77	4
PITG_01185	Pi conserved hypothetical protein (709 nt)	3	22	0
PITG_01186	Pi lipase, putative (1775 nt)	1	78	0
PITG_01187	Pi dolichol kinase, putative (1034 nt)	2	15	2
PITG_01188	Pi aspartate aminotransferase, putative (2034 nt)	3	38	0
PITG_01189	Pi hypothetical protein (2548 nt)	9	23	0
PITG_01192	Pi Voltage-gated Ion Channel (VIC) Superfamily (3328 n	7	6	0
PITG_01193	Pi aspartate aminotransferase, putative (3124 nt)	2	30	0
PITG_01195	Pi aspartate aminotransferase, putative (2001 nt)	0	38	0
PITG_01196	Pi hypothetical protein (981 nt)	2	0	0
PITG_01199	Pi conserved hypothetical protein (711 nt)	0	4	0

PITG_01200	Pi conserved hypothetical protein (645 nt)	4	9	0
PITG_01201	Pi ATP-dependent DNA helicase, putative (1947 nt)	6	14	0
PITG_01203	Pi mitogen-activated protein kinase, putative (2335 nt)	2	22	0
PITG_01204	Pi DNA mismatch repair protein, putative (2873 nt)	0	13	0
PITG_01206	Pi xaa-Pro aminopeptidase, putative (1660 nt)	12	23	0
PITG_01208	Pi trifunctional enzyme subunit beta, mitochondrial pre	50	380	0
PITG_01211	Pi transmembrane protein, putative (1710 nt)	0	1	0
PITG_01216	Pi hypothetical protein (1398 nt)	1	9	0
PITG_01217	Pi transmembrane protein, putative (780 nt)	6	26	1
PITG_01218	Pi conserved hypothetical protein (1353 nt)	0	0	0
PITG_01219	Pi conserved hypothetical protein (1646 nt)	0	1	0
PITG_01222	Pi Drug/Metabolite Transporter (DMT) Superfamily (14	1	82	0
PITG_01223	Pi conserved hypothetical protein (1177 nt)	2	62	1
PITG_01224	Pi conserved hypothetical protein (821 nt)	17	10	0
PITG_01227	Pi conserved hypothetical protein (677 nt)	11	80	1
PITG_01228	Pi conserved hypothetical protein (801 nt)	2	15	0
PITG_01229	Pi conserved hypothetical protein (1882 nt)	15	17	0
PITG_01230	Pi hypothetical protein (1386 nt)	7	8	0
PITG_01231	Pi conserved hypothetical protein (1274 nt)	0	16	0
PITG_01232	Pi conserved hypothetical protein (2368 nt)	1	16	0
PITG_01233	Pi transmembrane protein, putative (2335 nt)	8	56	0
PITG_01235	Pi conserved hypothetical protein (1011 nt)	3	11	0
PITG_01236	Pi conserved hypothetical protein (927 nt)	3	11	0
PITG_01237	Pi conserved hypothetical protein (1026 nt)	15	72	1
PITG_01238	Pi hypothetical protein (1236 nt)	7	216	0
PITG_01239	Pi conserved hypothetical protein (650 nt)	32	93	0
PITG_01241	Pi conserved hypothetical protein (453 nt)	12	6	0
PITG_01242	Pi condensin complex subunit 2, putative (2609 nt)	2	17	0
PITG_01244	Pi conserved hypothetical protein (1255 nt)	29	66	0
PITG_01245	Pi chorismate mutase, putative (1976 nt)	2	14	0
PITG_01246	Pi conserved hypothetical protein (1249 nt)	13	48	0
PITG_01247	Pi conserved hypothetical protein (1880 nt)	0	12	0
PITG_01248	Pi polyadenylate-binding protein 1-B (2432 nt)	70	255	19
PITG_01249	Pi conserved hypothetical protein (618 nt)	2	2	0
PITG_01250	Pi regulator of chromosome condensation (RCC1)-like p	6	53	0
PITG_01251	Pi conserved hypothetical protein (756 nt)	6	26	0
PITG_01252	Pi conserved hypothetical protein (2557 nt)	1	19	0
PITG_01253	Pi aldehyde dehydrogenase, mitochondrial precursor (:	7	220	16
PITG_01255	Pi eukaryotic translation initiation factor 5, putative (1:	15	73	1
PITG_01257	Pi nucleoporin NUP85-like protein (2211 nt)	8	13	0
PITG_01258	Pi ras family GTPase, putative (807 nt)	2	14	0
PITG_01259	Pi nuclear pore complex protein, putative (7703 nt)	0	15	0
PITG_01260	Pi S-phase kinase-associated protein 1A (999 nt)	29	236	6
PITG_01265	Pi conserved hypothetical protein (1336 nt)	2	20	0
PITG_01266	Pi glycoside hydrolase, putative (1680 nt)	0	1	0
PITG_01267	Pi glycoside hydrolase, putative (1419 nt)	3	28	0
PITG_01270	Pi conserved hypothetical protein (1169 nt)	120	213	1

PITG_01271	Pi protein kinase, putative (937 nt)	20	21	0
PITG_01272	Pi lysosomal acid lipase/cholesteryl ester hydrolase, pu	13	36	0
PITG_01273	Pi PLAC8 family protein (315 nt)	0	0	0
PITG_01275	Pi lipase, putative (1281 nt)	0	11	0
PITG_01276	Pi conserved hypothetical protein (2314 nt)	0	1	0
PITG_01277	Pi hypothetical protein (834 nt)	0	0	0
PITG_01280	Pi conserved hypothetical protein (1041 nt)	3	71	0
PITG_01281	Pi conserved hypothetical protein (544 nt)	0	0	0
PITG_01282	Pi conserved hypothetical protein (1990 nt)	12	41	0
PITG_01283	Pi glycoside hydrolase, putative (8578 nt)	1	17	0
PITG_01284	Pi conserved hypothetical protein (426 nt)	0	5	0
PITG_01285	Pi transmembrane protein, putative (1246 nt)	43	102	0
PITG_01287	Pi conserved hypothetical protein (726 nt)	39	41	0
PITG_01288	Pi conserved hypothetical protein (2401 nt)	2	17	0
PITG_01290	Pi peptidyl-prolyl cis-trans isomerase C (762 nt)	81	14	0
PITG_01292	Pi conserved hypothetical protein (664 nt)	61	118	5
PITG_01293	Pi conserved hypothetical protein (1036 nt)	18	31	0
PITG_01294	Pi hypothetical protein (1032 nt)	50	3	0
PITG_01296	Pi D-Tyr-tRNA(Tyr) deacylase (698 nt)	3	2	0
PITG_01297	Pi conserved hypothetical protein (663 nt)	2	9	0
PITG_01298	Pi conserved hypothetical protein (744 nt)	0	21	0
PITG_01300	Pi DNA topoisomerase 2 DNA gyrase B (4764 nt)	18	80	1
PITG_01301	Pi conserved hypothetical protein (3616 nt)	2	11	0
PITG_01302	Pi conserved hypothetical protein (2376 nt)	3	54	0
PITG_01308	Pi conserved hypothetical protein (318 nt)	2	56	0
PITG_01310	Pi peptidyl-prolyl isomerase FKBP12 (333 nt)	11	193	3
PITG_01312	Pi conserved hypothetical protein (1483 nt)	1	1	0
PITG_01313	Pi conserved hypothetical protein (1642 nt)	8	20	0
PITG_01314	Pi ubiquitin-specific protease, putative (1568 nt)	5	20	0
PITG_01315	Pi conserved hypothetical protein (527 nt)	2	18	0
PITG_01316	Pi conserved hypothetical protein (708 nt)	34	185	0
PITG_01317	Pi conserved hypothetical protein (3915 nt)	6	16	0
PITG_01318	Pi peptidyl-prolyl cis-trans isomerase, putative (1359 nt)	8	60	2
PITG_01322	Pi myosin-like protein (3704 nt)	6	71	0
PITG_01324	Pi conserved hypothetical protein (2328 nt)	1	10	0
PITG_01325	Pi myosin-like protein (1102 nt)	32	67	0
PITG_01328	Pi conserved hypothetical protein (1343 nt)	0	32	0
PITG_01329	Pi septum formation protein Maf (860 nt)	1	10	0
PITG_01330	Pi lysophospholipid acyltransferase, putative (1563 nt)	6	33	2
PITG_01332	Pi lysophospholipid acyltransferase, putative (1563 nt)	3	8	0
PITG_01333	Pi complement control module protein, putative (753 r	6	22	0
PITG_01335	Pi conserved hypothetical protein (2333 nt)	7	20	0
PITG_01336	Pi conserved hypothetical protein (1635 nt)	14	45	0
PITG_01337	Pi conserved hypothetical protein (4089 nt)	0	13	0
PITG_01339	Pi conserved hypothetical protein (1558 nt)	1	13	0
PITG_01340	Pi conserved hypothetical protein (2082 nt)	5	21	0
PITG_01341	Pi conserved hypothetical protein (1179 nt)	3	14	0

PITG_01342	Pi conserved hypothetical protein (2067 nt)	7	42	0
PITG_01343	Pi serine protease family S10, putative (1311 nt)	3	16	0
PITG_01349	Pi Type II (General) Secretory Pathway (IISP) Family (14	6	40	0
PITG_01350	Pi conserved hypothetical protein (2687 nt)	0	12	0
PITG_01352	Pi conserved hypothetical protein (987 nt)	0	30	0
PITG_01353	Pi UDP-N-acetylglucosamine transferase subunit, putat	6	11	0
PITG_01356	Pi ATP-binding Cassette (ABC) Superfamily (3687 nt)	3	10	0
PITG_01358	Pi conserved hypothetical protein (2202 nt)	8	43	0
PITG_01360	Pi conserved hypothetical protein (735 nt)	7	27	0
PITG_01361	Pi conserved hypothetical protein (2647 nt)	3	52	0
PITG_01363	Pi conserved hypothetical protein (1623 nt)	0	0	0
PITG_01365	Pi protein kinase, putative (3470 nt)	22	105	0
PITG_01366	Pi conserved hypothetical protein (921 nt)	28	46	0
PITG_01367	Pi palmitoyltransferase, putative (1059 nt)	3	33	0
PITG_01368	Pi transmembrane protein, putative (1776 nt)	1	15	0
PITG_01370	Pi ATP-binding Cassette (ABC) Superfamily (4527 nt)	0	14	0
PITG_01372	Pi conserved hypothetical protein (914 nt)	0	4	0
PITG_01375	Pi conserved hypothetical protein (11548 nt)	0	12	0
PITG_01376	Pi conserved hypothetical protein (2266 nt)	0	16	0
PITG_01379	Pi conserved hypothetical protein (1668 nt)	6	29	0
PITG_01382	Pi ubiquitin family protein, putative (1724 nt)	43	70	1
PITG_01386	Pi phospholipase, putative (3507 nt)	6	41	0
PITG_01387	Pi conserved hypothetical protein (1858 nt)	4	24	0
PITG_01389	Pi proteasome subunit beta type-5, putative (867 nt)	23	141	7
PITG_01390	Pi conserved hypothetical protein (2214 nt)	8	74	0
PITG_01395	Pi glycoside hydrolase, putative (1716 nt)	10	94	0
PITG_01397	Pi glycoside hydrolase, putative (1725 nt)	12	22	0
PITG_01398	Pi beta-glucosidase, putative (1749 nt)	9	137	0
PITG_01400	Pi Argonaute3 (AGO3) (3810 nt)	2	58	0
PITG_01401	Pi conserved hypothetical protein (1356 nt)	12	87	1
PITG_01404	Pi conserved hypothetical protein (3856 nt)	0	18	0
PITG_01405	Pi conserved hypothetical protein (1870 nt)	10	26	0
PITG_01407	Pi D-isomer specific 2-hydroxyacid dehydrogenase, put	108	16	0
PITG_01408	Pi D-isomer specific 2-hydroxyacid dehydrogenase, put	24	75	2
PITG_01409	Pi conserved hypothetical protein (1197 nt)	2	25	0
PITG_01410	Pi conserved hypothetical protein (1171 nt)	12	88	0
PITG_01411	Pi elongation of very long chain fatty acids protein, put	17	92	0
PITG_01412	Pi Mitochondrial Tricarboxylate Carrier (MTC) Family (1	2	14	0
PITG_01413	Pi conserved hypothetical protein (1566 nt)	1	2	0
PITG_01414	Pi conserved hypothetical protein (785 nt)	3	14	0
PITG_01415	Pi conserved hypothetical protein (1455 nt)	0	0	0
PITG_01416	Pi sporangia induced TRP protein (1617 nt)	3	11	0
PITG_01417	Pi serine/threonine-protein phosphatase PP2A (960 nt)	84	190	4
PITG_01418	Pi choline/Carnitine O-acyltransferase, putative (2134 r	2	44	0
PITG_01419	Pi Major Facilitator Superfamily (MFS) (1956 nt)	1	51	0
PITG_01424	Pi conserved hypothetical protein (2122 nt)	5	9	0
PITG_01425	Pi coronin-like protein (3119 nt)	0	12	0

PITG_01426	Pi conserved hypothetical protein (2715 nt)	5	14	0
PITG_01427	Pi DEAD/DEAH box RNA helicase, putative (1695 nt)	5	7	0
PITG_01428	Pi conserved hypothetical protein (728 nt)	13	59	0
PITG_01429	Pi serine protease family S33, putative (1941 nt)	2	21	0
PITG_01430	Pi glycoside hydrolase, putative (1770 nt)	1	14	0
PITG_01434	Pi conserved hypothetical protein (2721 nt)	0	3	0
PITG_01436	Pi conserved hypothetical protein (716 nt)	0	10	1
PITG_01437	Pi mediator of RNA polymerase II transcription subunit	18	28	0
PITG_01438	Pi conserved hypothetical protein (1296 nt)	36	38	0
PITG_01439	Pi conserved hypothetical protein (645 nt)	6	19	0
PITG_01440	Pi conserved hypothetical protein (1204 nt)	1	10	0
PITG_01441	Pi conserved hypothetical protein (360 nt)	1	17	0
PITG_01442	Pi conserved hypothetical protein (1890 nt)	0	8	0
PITG_01444	Pi Argonaute5 (AGO5) (2496 nt)	0	16	0
PITG_01445	Pi protein kinase, putative (2103 nt)	0	2	0
PITG_01447	Pi serine protease family S10, putative (1425 nt)	13	97	1
PITG_01449	Pi conserved hypothetical protein (350 nt)	22	90	0
PITG_01450	Pi HECT E3 ubiquitin ligase, putative (14519 nt)	2	50	0
PITG_01451	Pi GPI ethanolamine phosphate transferase, putative (2	0	13	0
PITG_01452	Pi conserved hypothetical protein (2655 nt)	1	23	0
PITG_01453	Pi ubiquitin-specific protease, putative (8843 nt)	3	50	0
PITG_01456	Pi histone acetyltransferase ESA1 (1913 nt)	1	15	0
PITG_01457	Pi conserved hypothetical protein (3662 nt)	8	19	0
PITG_01458	Pi pyruvate dehydrogenase (1731 nt)	4	12	0
PITG_01459	Pi conserved hypothetical protein (2081 nt)	0	17	0
PITG_01463	Pi hypothetical protein (1847 nt)	4	11	0
PITG_01468	Pi conserved hypothetical protein (663 nt)	0	28	0
PITG_01469	Pi conserved hypothetical protein (3400 nt)	3	11	0
PITG_01470	Pi syntaxin-like protein (1174 nt)	8	42	0
PITG_01471	Pi beta-mannosidase, putative (2914 nt)	0	12	0
PITG_01477	Pi myosin-like protein (5007 nt)	8	75	1
PITG_01478	Pi conserved hypothetical protein (1301 nt)	5	73	0
PITG_01479	Pi pre-mRNA-splicing factor prp46, putative (2055 nt)	4	26	0
PITG_01480	Pi CBL-interacting serine/threonine-protein kinase, put	5	32	0
PITG_01483	Pi conserved hypothetical protein (1109 nt)	5	18	0
PITG_01484	Pi beta-glucosidase, putative (1712 nt)	3	23	0
PITG_01489	Pi hypothetical protein (765 nt)	1	13	0
PITG_01490	Pi conserved hypothetical protein (8280 nt)	0	7	0
PITG_01491	Pi conserved hypothetical protein (1349 nt)	0	8	0
PITG_01492	Pi conserved hypothetical protein (429 nt)	0	19	1
PITG_01493	Pi conserved hypothetical protein (557 nt)	0	62	0
PITG_01495	Pi ribonuclease, putative (726 nt)	6	63	0
PITG_01496	Pi glycoside hydrolase, putative (2531 nt)	7	83	0
PITG_01498	Pi ATP-binding cassette sub-family F member 2 (1895 n	9	44	1
PITG_01499	Pi charged multivesicular body protein 5, putative (105	15	103	0
PITG_01502	Pi Cullin-associated NEDD8-dissociated protein, putativ	2	21	0
PITG_01504	Pi protein phosphatase PP2A regulatory subunit B (234	8	45	0

PITG_01507 | Pi conserved hypothetical protein (2668 nt)	1	4	0
PITG_01508 | Pi conserved hypothetical protein (3416 nt)	4	32	0
PITG_01509 | Pi conserved hypothetical protein (1670 nt)	0	13	0
PITG_01510 | Pi conserved hypothetical protein (568 nt)	10	21	0
PITG_01511 | Pi conserved hypothetical protein (1649 nt)	10	47	0
PITG_01512 | Pi conserved hypothetical protein (864 nt)	0	0	0
PITG_01513 | Pi dynein light chain intermediate polypeptide, putative	2	2	0
PITG_01514 | Pi protoporphyrinogen oxidase, putative (3680 nt)	6	14	0
PITG_01515 | Pi ras-related GTP-binding protein, putative (1521 nt)	25	110	1
PITG_01516 | Pi conserved hypothetical protein (903 nt)	18	66	0
PITG_01519 | Pi hypothetical protein (2051 nt)	1	6	0
PITG_01520 | Pi hypothetical protein (4181 nt)	3	12	0
PITG_01523 | Pi Zinc (Zn ²⁺)-Iron (Fe ²⁺) Permease (ZIP) Family (1029 nt)	2	26	0
PITG_01524 | Pi RING-box protein 1 (724 nt)	34	107	3
PITG_01525 | Pi conserved hypothetical protein (901 nt)	27	59	0
PITG_01526 | Pi dual specificity mitogen-activated protein kinase kinase	5	27	0
PITG_01527 | Pi conserved hypothetical protein (1987 nt)	3	13	0
PITG_01528 | Pi cell division cycle 5-related protein, putative (2390 nt)	2	17	0
PITG_01535 | Pi myosin-like protein (3890 nt)	20	174	3
PITG_01537 | Pi conserved hypothetical protein (1356 nt)	11	44	0
PITG_01539 | Pi hypothetical protein (1499 nt)	12	84	0
PITG_01543 | Pi NADPH-dependent diflavin oxidoreductase, putative	2	9	0
PITG_01549 | Pi succinate semialdehyde dehydrogenase, mitochondrial	15	34	0
PITG_01551 | Pi conserved hypothetical protein (550 nt)	63	121	1
PITG_01553 | Pi HECT ubiquitin ligase, putative (2046 nt)	4	51	0
PITG_01555 | Pi conserved hypothetical protein (1642 nt)	4	40	0
PITG_01556 | Pi conserved hypothetical protein (1966 nt)	2	5	0
PITG_01557 | Pi conserved hypothetical protein (1647 nt)	29	82	0
PITG_01559 | Pi conserved hypothetical protein (1885 nt)	10	39	0
PITG_01563 | Pi conserved hypothetical protein (2711 nt)	3	32	0
PITG_01564 | Pi amino-acid acetyltransferase, putative (1704 nt)	1	17	0
PITG_01568 | Pi cGMP 3',5'-cyclic phosphodiesterase subunit delta, putative	5	1	0
PITG_01569 | Pi nardilysin, putative (3690 nt)	4	23	0
PITG_01576 | Pi protein kinase, putative (1593 nt)	6	22	0
PITG_01577 | Pi conserved hypothetical protein (1007 nt)	17	59	0
PITG_01578 | Pi conserved hypothetical protein (1235 nt)	4	38	0
PITG_01579 | Pi transcription factor, putative (1553 nt)	6	21	0
PITG_01580 | Pi conserved hypothetical protein (510 nt)	17	95	1
PITG_01581 | Pi mitotic spindle checkpoint component mad2 (1007 nt)	17	32	0
PITG_01582 | Pi hypothetical protein (601 nt)	4	25	0
PITG_01583 | Pi hypothetical protein (1278 nt)	9	26	0
PITG_01584 | Pi conserved hypothetical protein (2506 nt)	5	25	0
PITG_01588 | Pi conserved hypothetical protein (3042 nt)	2	18	0
PITG_01589 | Pi conserved hypothetical protein (1385 nt)	5	23	0
PITG_01590 | Pi conserved hypothetical protein (1187 nt)	2	1	0
PITG_01591 | Pi conserved hypothetical protein (3637 nt)	8	36	0
PITG_01592 | Pi conserved hypothetical protein (554 nt)	7	33	0

PITG_01594	Pi hypothetical protein (697 nt)	16	47	0
PITG_01595	Pi hypothetical protein (328 nt)	18	48	0
PITG_01598	Pi conserved hypothetical protein (2612 nt)	0	3	0
PITG_01599	Pi coronin-like protein, putative (1952 nt)	8	128	2
PITG_01602	Pi conserved hypothetical protein (2006 nt)	8	9	0
PITG_01603	Pi conserved hypothetical protein (8629 nt)	1	7	0
PITG_01604	Pi serine palmitoyltransferase, putative (1525 nt)	37	70	1
PITG_01605	Pi serine palmitoyltransferase, putative (1455 nt)	3	42	0
PITG_01606	Pi conserved hypothetical protein (3729 nt)	1	11	0
PITG_01607	Pi actin-like protein (1324 nt)	34	27	0
PITG_01608	Pi Major Facilitator Superfamily (MFS) (1695 nt)	19	25	2
PITG_01614	Pi carbon catabolite repressor protein, putative (4923 nt)	9	37	0
PITG_01616	Pi metalloprotease family M01, putative (2942 nt)	1	54	0
PITG_01617	Pi conserved hypothetical protein (1226 nt)	4	35	0
PITG_01618	Pi conserved hypothetical protein (773 nt)	12	29	2
PITG_01619	Pi metalloprotease family M01, putative (3027 nt)	6	67	0
PITG_01622	Pi myosin-like protein (4212 nt)	0	19	0
PITG_01626	Pi Drug/Metabolite Transporter (DMT) Superfamily (28 nt)	8	17	0
PITG_01627	Pi alcohol dehydrogenase, putative (1640 nt)	36	47	0
PITG_01639	Pi Small Conductance Mechanosensitive Ion Channel (SMIC) (1000 nt)	5	21	0
PITG_01640	Pi conserved hypothetical protein (4219 nt)	3	40	0
PITG_01641	Pi serine protease family S54, putative (858 nt)	4	24	0
PITG_01643	Pi conserved hypothetical protein (703 nt)	2	18	0
PITG_01644	Pi sodium/hydrogen exchanger, putative (3211 nt)	4	8	0
PITG_01645	Pi conserved hypothetical protein (1678 nt)	1	12	0
PITG_01646	Pi hypothetical protein (2339 nt)	4	12	0
PITG_01647	Pi conserved hypothetical protein (1958 nt)	18	16	0
PITG_01648	Pi conserved hypothetical protein (674 nt)	11	17	0
PITG_01649	Pi AP-2 complex subunit sigma (767 nt)	21	57	1
PITG_01650	Pi conserved hypothetical protein (1251 nt)	4	14	0
PITG_01651	Pi conserved hypothetical protein (1088 nt)	1	23	0
PITG_01652	Pi conserved hypothetical protein (1419 nt)	9	33	0
PITG_01653	Pi GPI-anchored wall transfer protein 1, putative (2235 nt)	1	24	0
PITG_01654	Pi Delta(5) fatty acid desaturase, putative (1711 nt)	2	8	3
PITG_01655	Pi conserved hypothetical protein (910 nt)	0	0	0
PITG_01659	Pi conserved hypothetical protein (736 nt)	0	22	2
PITG_01661	Pi conserved hypothetical protein (1396 nt)	0	3	0
PITG_01662	Pi conserved hypothetical protein (621 nt)	4	7	0
PITG_01663	Pi conserved hypothetical protein (10315 nt)	0	17	0
PITG_01664	Pi conserved hypothetical protein (1463 nt)	31	44	0
PITG_01671	Pi conserved hypothetical protein (709 nt)	2	8	0
PITG_01674	Pi conserved hypothetical protein (1571 nt)	4	28	0
PITG_01676	Pi conserved hypothetical protein (1226 nt)	0	21	0
PITG_01677	Pi conserved hypothetical protein (1394 nt)	2	23	0
PITG_01678	Pi conserved hypothetical protein (1602 nt)	5	14	0
PITG_01679	Pi conserved hypothetical protein (1438 nt)	9	37	0
PITG_01680	Pi RNA-binding protein PNO1-like protein (892 nt)	11	26	0

PITG_01681	| Pi conserved hypothetical protein (904 nt)	9	25	0
PITG_01682	| Pi conserved hypothetical protein (2160 nt)	3	13	0
PITG_01683	| Pi conserved hypothetical protein (3889 nt)	8	21	0
PITG_01689	| Pi hydroxyacylglutathione hydrolase, putative (1066 nt)	3	17	0
PITG_01690	| Pi conserved hypothetical protein (1475 nt)	2	9	0
PITG_01691	| Pi phosphatidylinositol-3,4,5-trisphosphate 3-phosphat	12	52	0
PITG_01694	| Pi peptidyl-prolyl cis-trans isomerase 1 (686 nt)	31	59	13
PITG_01697	| Pi importin alpha-2 subunit (2191 nt)	40	12	0
PITG_01698	| Pi small cysteine rich protein SCR76 (617 nt)	153	137	1
PITG_01700	| Pi inositol-3-phosphate synthase, putative (4011 nt)	43	133	7
PITG_01701	| Pi hypothetical protein (487 nt)	57	166	2
PITG_01702	| Pi conserved hypothetical protein (846 nt)	24	68	4
PITG_01703	| Pi ADP-ribosylation factor GTPase-activating protein, p	4	23	0
PITG_01705	| Pi hypothetical protein (362 nt)	79	128	4
PITG_01706	| Pi conserved hypothetical protein (1809 nt)	0	0	0
PITG_01708	| Pi hypothetical protein (874 nt)	0	1	0
PITG_01709	| Pi hypothetical protein (1063 nt)	0	0	0
PITG_01710	| Pi conserved hypothetical protein (2793 nt)	3	8	0
PITG_01711	| Pi anthranilate synthase component I, putative (1603 n	7	14	0
PITG_01713	| Pi conserved hypothetical protein (1559 nt)	0	2	0
PITG_01714	| Pi conserved hypothetical protein (411 nt)	34	69	0
PITG_01715	| Pi conserved hypothetical protein (1513 nt)	10	46	0
PITG_01716	| Pi hypothetical protein (844 nt)	0	2	0
PITG_01717	| Pi dynein heavy chain (14029 nt)	0	7	0
PITG_01718	| Pi cryptochrome, putative (1734 nt)	6	32	0
PITG_01719	| Pi conserved hypothetical protein (3108 nt)	7	26	0
PITG_01721	| Pi Drug/Metabolite Transporter (DMT) Superfamily (27	3	13	0
PITG_01722	| Pi conserved hypothetical protein (1347 nt)	25	45	0
PITG_01727	| Pi conserved hypothetical protein (1018 nt)	2	25	0
PITG_01728	| Pi conserved hypothetical protein (1167 nt)	8	54	0
PITG_01737	| Pi DNA damage-binding protein, putative (3453 nt)	9	31	0
PITG_01738	| Pi conserved hypothetical protein (1434 nt)	4	32	0
PITG_01740	| Pi conserved hypothetical protein (3507 nt)	7	39	0
PITG_01741	| Pi conserved hypothetical protein (856 nt)	1	13	0
PITG_01742	| Pi thymidine kinase (746 nt)	0	2	0
PITG_01743	| Pi conserved hypothetical protein (582 nt)	9	17	0
PITG_01744	| Pi conserved hypothetical protein (1476 nt)	12	36	0
PITG_01745	| Pi NEDD4-like ubiquitin ligase, putative (1968 nt)	3	16	0
PITG_01746	| Pi HECT E3 ubiquitin ligase, putative (1985 nt)	9	44	0
PITG_01747	| Pi conserved hypothetical protein (1101 nt)	10	30	0
PITG_01748	| Pi mitochondrial inner membrane protein OXA1 (1920	11	28	0
PITG_01749	| Pi conserved hypothetical protein (1656 nt)	4	16	0
PITG_01750	| Pi RNA polymerase II-associated protein, putative (157	0	16	0
PITG_01751	| Pi conserved hypothetical protein (682 nt)	5	10	0
PITG_01752	| Pi transketolase (2256 nt)	18	214	13
PITG_01753	| Pi conserved hypothetical protein (659 nt)	0	17	0
PITG_01754	| Pi conserved hypothetical protein (4202 nt)	5	22	0

PITG_01755	Pi conserved hypothetical protein (886 nt)	10	28	0
PITG_01756	Pi negative elongation factor, putative (2775 nt)	2	16	0
PITG_01759	Pi conserved hypothetical protein (2105 nt)	2	10	0
PITG_01761	Pi proline oxidase, putative (1716 nt)	17	44	0
PITG_01762	Pi glycyl-tRNA synthetase (2046 nt)	16	40	3
PITG_01768	Pi DAHP synthase (1203 nt)	3	5	0
PITG_01769	Pi chorismate synthase (1434 nt)	2	14	0
PITG_01770	Pi leukocyte receptor cluster member 8 (1942 nt)	4	60	0
PITG_01771	Pi monothiol glutaredoxin-5, mitochondrial precursor (	28	44	4
PITG_01772	Pi conserved hypothetical protein (705 nt)	8	20	0
PITG_01774	Pi conserved hypothetical protein (2628 nt)	5	16	0
PITG_01775	Pi protein phosphatase 2C, putative (1181 nt)	47	63	0
PITG_01776	Pi hypothetical protein (678 nt)	13	21	0
PITG_01777	Pi presenilin-like protein (2926 nt)	34	80	0
PITG_01778	Pi soluble pyridine nucleotide transhydrogenase, putat	11	30	0
PITG_01781	Pi heterogeneous nuclear ribonucleoprotein A1, putati	8	32	0
PITG_01782	Pi conserved hypothetical protein (2307 nt)	8	5	0
PITG_01783	Pi acetyl-CoA acetyltransferase (2146 nt)	29	60	3
PITG_01784	Pi conserved hypothetical protein (1626 nt)	2	12	0
PITG_01785	Pi conserved hypothetical protein (423 nt)	33	22	0
PITG_01787	Pi conserved hypothetical protein (1738 nt)	12	0	0
PITG_01788	Pi ubiquitin activating enzyme, E1 family, putative (129	26	32	1
PITG_01789	Pi conserved hypothetical protein (1283 nt)	10	24	0
PITG_01790	Pi conserved hypothetical protein (2401 nt)	0	16	0
PITG_01791	Pi protein disulfide-isomerase, putative (633 nt)	32	264	3
PITG_01792	Pi conserved hypothetical protein (639 nt)	19	19	0
PITG_01793	Pi conserved hypothetical protein (1992 nt)	2	5	0
PITG_01796	Pi potassium/sodium hyperpolarization-activated cyclic	5	4	0
PITG_01797	Pi 26S protease regulatory subunit 6A-A (1647 nt)	14	94	4
PITG_01798	Pi conserved hypothetical protein (1890 nt)	16	34	0
PITG_01802	Pi conserved hypothetical protein (2790 nt)	3	11	0
PITG_01809	Pi conserved hypothetical protein (1961 nt)	15	43	0
PITG_01810	Pi Drug/Metabolite Transporter (DMT) Superfamily (12	9	52	0
PITG_01811	Pi F-box protein, putative (1187 nt)	36	89	0
PITG_01813	Pi tRNA (guanine-N(7)-)-methyltransferase, putative (9	2	12	0
PITG_01814	Pi conserved hypothetical protein (1520 nt)	4	63	0
PITG_01815	Pi conserved hypothetical protein (8368 nt)	0	28	0
PITG_01816	Pi conserved hypothetical protein (1913 nt)	0	1	0
PITG_01817	Pi conserved hypothetical protein (1015 nt)	2	16	0
PITG_01818	Pi homeodomain transcription factor, putative (2644 n	2	32	0
PITG_01819	Pi conserved hypothetical protein (1123 nt)	26	163	0
PITG_01821	Pi conserved hypothetical protein (1265 nt)	0	5	0
PITG_01822	Pi SNARE associated Golgi protein, putative (909 nt)	23	28	0
PITG_01823	Pi conserved hypothetical protein (847 nt)	3	6	0
PITG_01824	Pi protein kinase (1515 nt)	74	3	0
PITG_01825	Pi conserved hypothetical protein (1123 nt)	4	25	0
PITG_01826	Pi conserved hypothetical protein (1431 nt)	5	209	0

PITG_01830	Pi conserved hypothetical protein (1556 nt)	14	108	0
PITG_01832	Pi protein kinase (2896 nt)	5	28	0
PITG_01833	Pi 60S ribosomal protein L13, putative (1480 nt)	210	367	30
PITG_01836	Pi conserved hypothetical protein (3595 nt)	3	9	0
PITG_01839	Pi 4-coumarate-CoA ligase, putative (2069 nt)	5	35	0
PITG_01840	Pi conserved hypothetical protein (1414 nt)	12	14	0
PITG_01845	Pi conserved hypothetical protein (766 nt)	128	120	0
PITG_01846	Pi actin-related protein 2/3 complex subunit, putative (	42	90	1
PITG_01847	Pi conserved hypothetical protein (1573 nt)	8	32	0
PITG_01848	Pi dual specificity phosphatase, putative (2488 nt)	7	41	0
PITG_01850	Pi kinesin-like protein (7582 nt)	3	18	0
PITG_01851	Pi homogentisate 1,2-dioxygenase (1839 nt)	6	49	0
PITG_01852	Pi dynein heavy chain (12653 nt)	1	10	0
PITG_01855	Pi mannosyl-oligosaccharide alpha-1,2-mannosidase, p	2	15	0
PITG_01857	Pi conserved hypothetical protein (1186 nt)	1	10	0
PITG_01858	Pi Der1-like family, putative (1184 nt)	8	10	0
PITG_01859	Pi conserved hypothetical protein (1535 nt)	0	0	0
PITG_01860	Pi transmembrane protein, putative (2746 nt)	2	25	0
PITG_01862	Pi glucose-6-phosphate isomerase (1997 nt)	33	130	9
PITG_01864	Pi conserved hypothetical protein (998 nt)	6	8	0
PITG_01865	Pi regulator of chromosome condensation (RCC1)-like p	0	0	0
PITG_01867	Pi splicing factor U2af large subunit, putative (2685 nt)	2	25	0
PITG_01868	Pi conserved hypothetical protein (1683 nt)	0	0	0
PITG_01869	Pi alpha,alpha-trehalose-phosphate synthase [UDP-fori	0	21	0
PITG_01870	Pi conserved hypothetical protein (1468 nt)	4	16	0
PITG_01871	Pi protein kinase, putative (2817 nt)	17	31	0
PITG_01873	Pi conserved hypothetical protein (2991 nt)	8	17	0
PITG_01878	Pi conserved hypothetical protein (4692 nt)	3	14	0
PITG_01880	Pi hypothetical protein (1956 nt)	0	7	0
PITG_01896	Pi conserved hypothetical protein (2265 nt)	1	11	0
PITG_01897	Pi histone deacetylase, putative (1804 nt)	22	45	0
PITG_01898	Pi conserved hypothetical protein (734 nt)	3	17	0
PITG_01899	Pi conserved hypothetical protein (803 nt)	4	5	0
PITG_01902	Pi conserved hypothetical protein (781 nt)	1	20	0
PITG_01913	Pi dihydroorotate dehydrogenase, mitochondrial precu	5	23	1
PITG_01919	Pi Mitochondrial Carrier (MC) Family (1106 nt)	15	23	0
PITG_01920	Pi ubiquitin-specific protease, putative (5316 nt)	9	18	0
PITG_01921	Pi conserved hypothetical protein (890 nt)	1	20	0
PITG_01922	Pi 40S ribosomal protein SA (852 nt)	146	311	44
PITG_01923	Pi conserved hypothetical protein (2375 nt)	4	63	0
PITG_01924	Pi twinfilin-like protein (1088 nt)	5	24	0
PITG_01925	Pi transmembrane protein, putative (886 nt)	81	58	0
PITG_01926	Pi conserved hypothetical protein (1931 nt)	1	32	0
PITG_01927	Pi conserved hypothetical protein (1050 nt)	3	41	0
PITG_01929	Pi conserved hypothetical protein (2803 nt)	1	10	0
PITG_01930	Pi conserved hypothetical protein (2747 nt)	0	17	0
PITG_01931	Pi conserved hypothetical protein (1755 nt)	2	14	0

PITG_01932	Pi conserved hypothetical protein (19892 nt)	1	24	0
PITG_01935	Pi hypothetical protein (553 nt)	6	14	0
PITG_01937	Pi myosin-like protein (1685 nt)	11	54	0
PITG_01938	Pi glyceraldehyde-3-phosphate dehydrogenase (1025 n	36	180	55
PITG_01940	Pi triosephosphate isomerase/glyceraldehyde-3-phosp	89	815	115
PITG_01941	Pi conserved hypothetical protein (1713 nt)	4	15	0
PITG_01942	Pi conserved hypothetical protein (2181 nt)	2	1	0
PITG_01943	Pi 60S ribosomal protein L23 (623 nt)	889	812	139
PITG_01945	Pi conserved hypothetical protein (1058 nt)	25	85	7
PITG_01946	Pi ras family GTPase, putative (641 nt)	11	28	0
PITG_01947	Pi COPII coat assembly protein SEC16, putative (8683 n	4	34	0
PITG_01949	Pi glycosyl hydrolase, putative (2208 nt)	5	19	0
PITG_01950	Pi protein kinase, putative (2368 nt)	38	79	0
PITG_01951	Pi conserved hypothetical protein (903 nt)	7	18	0
PITG_01952	Pi conserved hypothetical protein (1052 nt)	2	19	0
PITG_01953	Pi serine/threonine-protein phosphatase, putative (306	6	29	0
PITG_01954	Pi conserved hypothetical protein (1015 nt)	1	18	0
PITG_01955	Pi P-type ATPase (P-ATPase) Superfamily (4198 nt)	0	0	0
PITG_01956	Pi conserved hypothetical protein (2669 nt)	0	0	0
PITG_01957	Pi serine/threonine-protein phosphatase 2B catalytic s	2	14	0
PITG_01960	Pi conserved hypothetical protein (2080 nt)	1	16	0
PITG_01961	Pi DCN1-like protein (1100 nt)	7	15	0
PITG_01962	Pi conserved hypothetical protein (1068 nt)	3	11	0
PITG_01963	Pi conserved hypothetical protein (2094 nt)	2	38	0
PITG_01964	Pi conserved hypothetical protein (676 nt)	18	90	1
PITG_01966	Pi conserved hypothetical protein (1154 nt)	0	25	0
PITG_01970	Pi enoyl-[acyl-carrier-protein] reductase [NADH], putat	8	34	0
PITG_01974	Pi conserved hypothetical protein (1305 nt)	0	16	0
PITG_01976	Pi DNA repair protein, putative (1680 nt)	3	10	0
PITG_01977	Pi conserved hypothetical protein (1218 nt)	18	4	0
PITG_01979	Pi conserved hypothetical protein (420 nt)	6	6	0
PITG_01980	Pi conserved hypothetical protein (418 nt)	1	6	0
PITG_01981	Pi conserved hypothetical protein (1011 nt)	31	30	0
PITG_01982	Pi conserved hypothetical protein (2435 nt)	20	77	1
PITG_01989	Pi hypothetical protein (249 nt)	1	19	0
PITG_01991	Pi conserved hypothetical protein (3136 nt)	4	37	0
PITG_01992	Pi conserved hypothetical protein (531 nt)	5	20	0
PITG_01993	Pi transmembrane protein, putative (645 nt)	1	18	0
PITG_01994	Pi conserved hypothetical protein (290 nt)	2	18	0
PITG_01995	Pi hypothetical protein (138 nt)	3	31	0
PITG_01997	Pi dynein 1 light intermediate chain, putative (1884 nt)	4	43	0
PITG_01998	Pi Voltage-gated Ion Channel (VIC) Superfamily (1365 n	2	18	0
PITG_01999	Pi Voltage-gated Ion Channel (VIC) Superfamily (603 nt)	8	5	0
PITG_02001	Pi conserved hypothetical protein (1016 nt)	2	20	0
PITG_02002	Pi enhancer of mRNA-decapping protein, putative (342	2	17	0
PITG_02003	Pi conserved hypothetical protein (865 nt)	18	34	0
PITG_02008	Pi cleavage induced hypothetical protein (1557 nt)	0	0	0

PITG_02010	Pi conserved hypothetical protein (793 nt)	22	47	1
PITG_02011	Pi calcineurin subunit B, putative (1489 nt)	3	16	0
PITG_02016	Pi integrator complex subunit, putative (7581 nt)	0	12	0
PITG_02017	Pi conserved hypothetical protein (1481 nt)	3	12	0
PITG_02018	Pi hypothetical protein (644 nt)	6	10	0
PITG_02021	Pi dysferlin-like protein (5806 nt)	3	8	0
PITG_02022	Pi clathrin heavy chain (5547 nt)	15	102	5
PITG_02023	Pi conserved hypothetical protein (1095 nt)	13	25	0
PITG_02024	Pi conserved hypothetical protein (1569 nt)	15	17	0
PITG_02026	Pi succinyl-CoA ligase subunit alpha, mitochondrial pre	39	136	12
PITG_02027	Pi conserved hypothetical protein (6430 nt)	9	23	0
PITG_02028	Pi conserved hypothetical protein (2584 nt)	0	0	0
PITG_02029	Pi cleavage induced hypothetical protein (1963 nt)	0	0	0
PITG_02030	Pi cleavage induced hypothetical protein (1042 nt)	0	1	0
PITG_02031	Pi conserved hypothetical protein (2128 nt)	1	12	0
PITG_02032	Pi tRNA (guanine-N(1)-)-methyltransferase, putative (1	4	11	0
PITG_02034	Pi zinc transporter, putative (1230 nt)	13	43	0
PITG_02035	Pi conserved hypothetical protein (1584 nt)	2	22	0
PITG_02036	Pi Equilibrative Nucleoside Transporter (ENT) Family (2	6	22	0
PITG_02037	Pi conserved hypothetical protein (534 nt)	4	20	0
PITG_02038	Pi fructose 1,6 bisphosphatase (1099 nt)	50	157	0
PITG_02039	Pi EF-1 guanine nucleotide exchange domain-containin	84	140	20
PITG_02040	Pi deoxyribonuclease TATDN1-like protein (1658 nt)	5	21	0
PITG_02042	Pi serine/threonine-protein phosphatase 4 regulatory s	5	14	0
PITG_02043	Pi SWI/SNF-related matrix-associated actin-dependent	13	31	0
PITG_02044	Pi conserved hypothetical protein (501 nt)	18	20	0
PITG_02046	Pi V-type proton ATPase 16 kDa proteolipid subunit, pu	129	174	6
PITG_02047	Pi conserved hypothetical protein (1553 nt)	5	21	1
PITG_02048	Pi conserved hypothetical protein (1263 nt)	4	12	0
PITG_02049	Pi citrate synthase, mitochondrial precursor (1693 nt)	22	124	9
PITG_02050	Pi putative chitin synthase (Chitin-UDP-GlcNac-transfer	11	47	0
PITG_02051	Pi conserved hypothetical protein (476 nt)	3	7	0
PITG_02052	Pi conserved hypothetical protein (856 nt)	5	7	0
PITG_02053	Pi 40S ribosomal protein S8-2 (975 nt)	340	422	104
PITG_02054	Pi DNA primase small subunit, putative (1497 nt)	3	11	0
PITG_02055	Pi conserved hypothetical protein (1756 nt)	2	18	0
PITG_02058	Pi conserved hypothetical protein (1499 nt)	15	120	5
PITG_02059	Pi conserved hypothetical protein (370 nt)	4	1	0
PITG_02067	Pi pre-mRNA-splicing factor cwc2, putative (1347 nt)	7	19	0
PITG_02068	Pi GTP-binding protein SAR1 (964 nt)	123	114	10
PITG_02069	Pi vacuolar sorting protein SNF8 (980 nt)	9	26	0
PITG_02071	Pi protein kinase, putative (1360 nt)	13	36	0
PITG_02073	Pi conserved hypothetical protein (14444 nt)	1	4	0
PITG_02074	Pi conserved hypothetical protein (975 nt)	0	7	0
PITG_02075	Pi 1-acyl-sn-glycerol-3-phosphate acyltransferase, puta	19	52	0
PITG_02076	Pi conserved hypothetical protein (803 nt)	0	0	0
PITG_02077	Pi protein kinase, putative (2392 nt)	6	10	0

PITG_02079	Pi conserved hypothetical protein (458 nt)	9	19	0
PITG_02081	Pi conserved hypothetical protein (1706 nt)	0	1	0
PITG_02082	Pi protein kinase, putative (1134 nt)	4	32	0
PITG_02084	Pi golgi reassembly-stacking protein, putative (1053 nt)	0	29	0
PITG_02085	Pi ATP-binding Cassette (ABC) Superfamily (4124 nt)	0	4	0
PITG_02088	Pi conserved hypothetical protein (3152 nt)	0	14	0
PITG_02092	Pi electron transfer flavoprotein-ubiquinone oxidoredu	10	107	1
PITG_02093	Pi pre-rRNA-processing protein ESF2 (732 nt)	1	8	0
PITG_02094	Pi dnaJ heat shock protein (994 nt)	2	2	0
PITG_02096	Pi polycomb-like protein (1962 nt)	2	18	0
PITG_02097	Pi hypothetical protein (2647 nt)	10	28	0
PITG_02098	Pi ATP-binding Cassette (ABC) Superfamily (5086 nt)	0	58	0
PITG_02103	Pi glycoside hydrolase, putative (2430 nt)	2	21	0
PITG_02104	Pi conserved hypothetical protein (1808 nt)	20	18	0
PITG_02105	Pi uracil phosphoribosyltransferase, putative (815 nt)	15	31	0
PITG_02107	Pi conserved hypothetical protein (579 nt)	1	1	0
PITG_02108	Pi dynein light chain-like protein (485 nt)	2	0	0
PITG_02109	Pi conserved hypothetical protein (2412 nt)	12	186	0
PITG_02111	Pi conserved hypothetical protein (828 nt)	0	11	0
PITG_02112	Pi 3-hydroxyisobutyryl-CoA hydrolase, putative (1549 r	6	52	2
PITG_02113	Pi hypothetical protein (3721 nt)	3	25	0
PITG_02114	Pi aspartyl aminopeptidase, putative (1389 nt)	4	37	0
PITG_02115	Pi propionyl-CoA carboxylase beta chain, mitochondria	16	84	1
PITG_02116	Pi protein kinase (449 nt)	0	0	0
PITG_02119	Pi protein kinase, putative (1583 nt)	48	190	0
PITG_02122	Pi glucosamine-fructose-6-phosphate aminotransferase	5	25	0
PITG_02123	Pi hypothetical protein (1595 nt)	0	6	0
PITG_02124	Pi protein kinase, putative (2883 nt)	8	59	0
PITG_02126	Pi conserved hypothetical protein (508 nt)	3	13	0
PITG_02127	Pi conserved hypothetical protein (873 nt)	6	24	0
PITG_02128	Pi conserved hypothetical protein (8356 nt)	0	6	0
PITG_02134	Pi conserved hypothetical protein (17245 nt)	0	13	0
PITG_02135	Pi conserved hypothetical protein (1876 nt)	7	16	0
PITG_02137	Pi serine/threonine-protein phosphatase 2A 65 kDa reg	19	69	2
PITG_02138	Pi conserved hypothetical protein (1800 nt)	0	11	0
PITG_02139	Pi conserved hypothetical protein (976 nt)	13	69	0
PITG_02143	Pi myb-like DNA-binding protein, putative (1070 nt)	13	37	0
PITG_02144	Pi conserved hypothetical protein (814 nt)	4	23	0
PITG_02145	Pi conserved hypothetical protein (1971 nt)	6	38	0
PITG_02146	Pi conserved hypothetical protein (4828 nt)	2	23	0
PITG_02147	Pi Voltage-gated Ion Channel (VIC) Superfamily (2985 n	0	2	0
PITG_02148	Pi conserved hypothetical protein (938 nt)	0	0	0
PITG_02152	Pi hypothetical protein (2048 nt)	10	19	0
PITG_02156	Pi conserved hypothetical protein (541 nt)	9	50	0
PITG_02157	Pi conserved hypothetical protein (465 nt)	3	16	0
PITG_02160	Pi hypothetical protein (466 nt)	0	11	0
PITG_02161	Pi conserved hypothetical protein (3408 nt)	0	22	0

PITG_02162	Pi ATP-dependent Clp protease ATP-binding subunit clp	10	44	0
PITG_02167	Pi conserved hypothetical protein (1490 nt)	0	0	0
PITG_02172	Pi hypothetical protein (1277 nt)	3	30	0
PITG_02177	Pi metalloprotease family M48X, putative (1636 nt)	29	92	0
PITG_02178	Pi conserved hypothetical protein (1469 nt)	20	39	0
PITG_02182	Pi homoserine dehydrogenase, putative (1518 nt)	15	73	4
PITG_02184	Pi conserved hypothetical protein (518 nt)	1	16	0
PITG_02185	Pi conserved hypothetical protein (1272 nt)	2	12	0
PITG_02186	Pi FKBP-type peptidyl-prolyl cis-trans isomerase, putati	6	13	1
PITG_02190	Pi conserved hypothetical protein (1627 nt)	0	9	0
PITG_02191	Pi proteasome subunit beta type-6, putative (2247 nt)	28	129	4
PITG_02192	Pi glutathione peroxidase 2 (1037 nt)	20	43	0
PITG_02193	Pi conserved hypothetical protein (1009 nt)	1	17	0
PITG_02194	Pi conserved hypothetical protein (1662 nt)	9	15	0
PITG_02195	Pi conserved hypothetical protein (528 nt)	14	25	0
PITG_02196	Pi conserved hypothetical protein (1734 nt)	7	25	0
PITG_02197	Pi DNA topoisomerase, putative (2392 nt)	8	28	0
PITG_02198	Pi homoserine kinase, putative (1289 nt)	9	13	0
PITG_02199	Pi conserved hypothetical protein (2991 nt)	0	18	0
PITG_02202	Pi conserved hypothetical protein (1111 nt)	6	13	0
PITG_02203	Pi conserved hypothetical protein (2022 nt)	16	26	0
PITG_02205	Pi conserved hypothetical protein (1055 nt)	10	37	0
PITG_02206	Pi conserved hypothetical protein (456 nt)	13	66	0
PITG_02208	Pi conserved hypothetical protein (1974 nt)	3	17	0
PITG_02209	Pi hypothetical protein (836 nt)	6	1	0
PITG_02210	Pi phenylalanine-4-hydroxylase, henna-like protein (19	16	39	1
PITG_02211	Pi UV excision repair protein RAD23 (1465 nt)	37	124	3
PITG_02212	Pi mitogen-activated protein kinase, putative (1318 nt)	0	0	0
PITG_02213	Pi serine protease family S10, putative (1950 nt)	12	8	0
PITG_02220	Pi hypothetical protein (1581 nt)	5	17	0
PITG_02221	Pi thymidylate kinase (651 nt)	9	2	0
PITG_02222	Pi conserved hypothetical protein (975 nt)	22	3	0
PITG_02227	Pi cleavage induced hypothetical protein (1578 nt)	14	25	0
PITG_02228	Pi conserved hypothetical protein (2007 nt)	10	31	0
PITG_02229	Pi conserved hypothetical protein (1303 nt)	5	11	0
PITG_02230	Pi conserved hypothetical protein (2093 nt)	4	26	0
PITG_02233	Pi conserved hypothetical protein (731 nt)	17	21	0
PITG_02234	Pi F-box protein, putative (2205 nt)	3	10	0
PITG_02237	Pi conserved hypothetical protein (484 nt)	25	38	0
PITG_02238	Pi conserved hypothetical protein (5511 nt)	1	17	0
PITG_02239	Pi ATP-dependent hsl protease ATP-binding subunit hsl	18	41	0
PITG_02241	Pi conserved hypothetical protein (1095 nt)	11	87	0
PITG_02242	Pi conserved hypothetical protein (1385 nt)	2	30	0
PITG_02244	Pi conserved hypothetical protein (1359 nt)	14	17	0
PITG_02245	Pi D-2-hydroxyglutarate dehydrogenase, mitochondrial	6	14	0
PITG_02249	Pi hypothetical protein (415 nt)	2	8	0
PITG_02250	Pi conserved hypothetical protein (780 nt)	0	6	0

PITG_02251	Pi conserved hypothetical protein (420 nt)	1	8	0
PITG_02252	Pi conserved hypothetical protein (3288 nt)	8	70	0
PITG_02253	Pi isovaleryl-CoA dehydrogenase, putative (1538 nt)	100	112	0
PITG_02254	Pi conserved hypothetical protein (2198 nt)	9	6	0
PITG_02255	Pi histone H1, putative (731 nt)	321	876	10
PITG_02256	Pi aspartate aminotransferase, mitochondrial precursor	258	238	10
PITG_02257	Pi conserved hypothetical protein (309 nt)	0	0	0
PITG_02258	Pi conserved hypothetical protein (1072 nt)	7	6	0
PITG_02259	Pi hsp70-like protein (2266 nt)	6	23	0
PITG_02260	Pi C2 domain-containing protein, putative (783 nt)	17	37	0
PITG_02261	Pi C2 domain-containing protein, putative (742 nt)	11	40	1
PITG_02263	Pi metal transporter, putative (1660 nt)	5	29	0
PITG_02264	Pi protein kinase, putative (4828 nt)	6	30	0
PITG_02267	Pi coatomer subunit beta, putative (2979 nt)	9	57	1
PITG_02268	Pi conserved hypothetical protein (1552 nt)	7	22	0
PITG_02269	Pi conserved hypothetical protein (729 nt)	3	14	0
PITG_02273	Pi conserved hypothetical protein (1042 nt)	15	18	0
PITG_02274	Pi peroxisomal trans-2-enoyl-CoA reductase, putative (	63	8	0
PITG_02275	Pi peroxisomal trans-2-enoyl-CoA reductase, putative (	0	0	0
PITG_02277	Pi cyclopropane-fatty-acyl-phospholipid synthase (1439	6	25	3
PITG_02280	Pi conserved hypothetical protein (1966 nt)	14	54	0
PITG_02281	Pi conserved hypothetical protein (1434 nt)	7	81	0
PITG_02282	Pi acyl-CoA dehydrogenase, putative (2342 nt)	25	262	0
PITG_02283	Pi conserved hypothetical protein (719 nt)	36	91	1
PITG_02284	Pi xanthine dehydrogenase, putative (4353 nt)	0	4	0
PITG_02285	Pi conserved hypothetical protein (2074 nt)	35	59	0
PITG_02286	Pi chromatin-remodeling complex ATPase chain, putati	11	36	0
PITG_02288	Pi conserved hypothetical protein (1412 nt)	6	28	0
PITG_02289	Pi acetyl-coenzyme A transporter, putative (1608 nt)	1	10	0
PITG_02290	Pi conserved hypothetical protein (1941 nt)	4	12	0
PITG_02291	Pi conserved hypothetical protein (1800 nt)	2	7	0
PITG_02292	Pi protein phosphatase, putative (3132 nt)	36	53	0
PITG_02293	Pi conserved hypothetical protein (1190 nt)	17	41	1
PITG_02294	Pi conserved hypothetical protein (2285 nt)	2	10	0
PITG_02303	Pi ornithine decarboxylase 1 (1502 nt)	4	5	0
PITG_02304	Pi anaphase-promoting complex subunit 7, putative (21	2	9	0
PITG_02305	Pi conserved hypothetical protein (864 nt)	20	78	13
PITG_02306	Pi hypothetical protein (1337 nt)	0	1	0
PITG_02307	Pi alpha,alpha-trehalose-phosphate synthase [UDP-fori	1	10	0
PITG_02308	Pi conserved hypothetical protein (812 nt)	1	21	0
PITG_02314	Pi conserved hypothetical protein (1137 nt)	0	0	2
PITG_02319	Pi hypothetical protein (3391 nt)	16	27	0
PITG_02320	Pi conserved hypothetical protein (1297 nt)	3	72	0
PITG_02322	Pi conserved hypothetical protein (1615 nt)	7	10	0
PITG_02323	Pi hypothetical protein (603 nt)	11	14	0
PITG_02324	Pi hypothetical protein (598 nt)	3	8	0
PITG_02327	Pi conserved hypothetical protein (1533 nt)	10	40	0

PITG_02328	Pi conserved hypothetical protein (968 nt)	15	15	1
PITG_02329	Pi peptide-N(4)-(N-acetyl-beta-glucosaminy)asparagin	1	22	0
PITG_02330	Pi conserved hypothetical protein (1368 nt)	2	11	0
PITG_02336	Pi conserved hypothetical protein (1068 nt)	62	27	0
PITG_02337	Pi exonuclease, putative (1389 nt)	13	34	0
PITG_02338	Pi conserved hypothetical protein (671 nt)	13	37	0
PITG_02339	Pi 26S proteasome non-ATPase regulatory subunit 12, |	18	61	1
PITG_02340	Pi conserved hypothetical protein (3042 nt)	17	8	0
PITG_02341	Pi conserved hypothetical protein (678 nt)	0	0	0
PITG_02342	Pi conserved hypothetical protein (581 nt)	1	0	0
PITG_02343	Pi kinesin-like protein (5133 nt)	2	18	0
PITG_02344	Pi 5-oxoprolinase (3842 nt)	2	29	0
PITG_02346	Pi CCR4-NOT transcription complex subunit 7 (650 nt)	3	15	0
PITG_02347	Pi conserved hypothetical protein (1595 nt)	10	24	0
PITG_02348	Pi conserved hypothetical protein (1142 nt)	8	23	0
PITG_02349	Pi conserved hypothetical protein (1505 nt)	6	27	0
PITG_02352	Pi P-type ATPase (P-ATPase) Superfamily (3239 nt)	3	25	0
PITG_02356	Pi calcium-transporting ATPase 1, endoplasmic reticulu	0	11	0
PITG_02357	Pi P-type ATPase (P-ATPase) Superfamily (3566 nt)	4	22	0
PITG_02361	Pi P-type ATPase (P-ATPase) Superfamily (2973 nt)	0	11	0
PITG_02362	Pi P-type ATPase (P-ATPase) Superfamily (2973 nt)	0	16	0
PITG_02363	Pi conserved hypothetical protein (495 nt)	6	58	0
PITG_02364	Pi P-type ATPase (P-ATPase) Superfamily (2332 nt)	0	17	0
PITG_02368	Pi polysaccharide lyase, putative (1621 nt)	13	8	0
PITG_02371	Pi conserved hypothetical protein (2112 nt)	9	22	0
PITG_02372	Pi conserved hypothetical protein (1359 nt)	8	24	0
PITG_02380	Pi C2 domain-containing protein, putative (762 nt)	6	20	0
PITG_02381	Pi conserved hypothetical protein (1985 nt)	16	126	0
PITG_02382	Pi conserved hypothetical protein (506 nt)	8	9	0
PITG_02384	Pi conserved hypothetical protein (1429 nt)	4	26	0
PITG_02391	Pi conserved hypothetical protein (1560 nt)	3	17	0
PITG_02393	Pi conserved hypothetical protein (1545 nt)	0	0	0
PITG_02397	Pi conserved hypothetical protein (848 nt)	6	19	0
PITG_02398	Pi conserved hypothetical protein (378 nt)	9	17	0
PITG_02399	Pi conserved hypothetical protein (760 nt)	5	11	0
PITG_02400	Pi protein kinase (3158 nt)	3	22	0
PITG_02401	Pi phosphatidylinositol-3,4,5-trisphosphate 3-phosphat	13	119	0
PITG_02409	Pi Folate-Biopterin Transporter (FBT) Family (1707 nt)	2	8	5
PITG_02415	Pi conserved hypothetical protein (2036 nt)	15	35	0
PITG_02416	Pi conserved hypothetical protein (506 nt)	197	183	1
PITG_02418	Pi conserved hypothetical protein (1689 nt)	9	77	0
PITG_02420	Pi DNA-directed RNA polymerase I subunit RPA2, putat	0	12	0
PITG_02423	Pi cysteine protease family C01A, putative (2587 nt)	20	116	1
PITG_02424	Pi aldo/keto reductase family (935 nt)	3	34	0
PITG_02426	Pi conserved hypothetical protein (1473 nt)	2	14	0
PITG_02427	Pi conserved hypothetical protein (1639 nt)	2	18	0
PITG_02428	Pi 15-hydroxyprostaglandin dehydrogenase [NAD+], pu	15	76	0

PITG_02429	Pi cAMP-dependent protein kinase catalytic subunit, pu	0	2	0
PITG_02430	Pi conserved hypothetical protein (1829 nt)	4	16	0
PITG_02432	Pi dolichyl-P-Man:Man(5)GlcNAc(2)-PP-dolichyl manno	7	23	0
PITG_02433	Pi conserved hypothetical protein (1312 nt)	16	16	0
PITG_02439	Pi conserved hypothetical protein (2130 nt)	2	15	0
PITG_02440	Pi conserved hypothetical protein (1523 nt)	7	9	0
PITG_02441	Pi hypothetical protein (2940 nt)	0	4	0
PITG_02442	Pi cysteine protease family C02, putative (4133 nt)	0	17	0
PITG_02446	Pi cyclin-dependent kinase, putative (1646 nt)	10	33	0
PITG_02447	Pi conserved hypothetical protein (1248 nt)	17	24	0
PITG_02448	Pi conserved hypothetical protein (378 nt)	8	5	0
PITG_02449	Pi conserved hypothetical protein (1012 nt)	46	28	0
PITG_02452	Pi conserved hypothetical protein (587 nt)	3	18	0
PITG_02453	Pi conserved hypothetical protein (1095 nt)	16	25	0
PITG_02454	Pi conserved hypothetical protein (2706 nt)	3	12	0
PITG_02456	Pi conserved hypothetical protein (3667 nt)	3	16	0
PITG_02457	Pi protein kinase (2695 nt)	16	19	0
PITG_02458	Pi conserved hypothetical protein (1512 nt)	12	44	0
PITG_02460	Pi sporulation induced hypothetical protein (637 nt)	2	4	0
PITG_02462	Pi actin-like protein (1227 nt)	0	0	0
PITG_02464	Pi conserved hypothetical protein (5435 nt)	0	6	0
PITG_02467	Pi translocation protein SEC63 (1987 nt)	42	93	1
PITG_02470	Pi conserved hypothetical protein (899 nt)	14	77	0
PITG_02471	Pi cytochrome b5 reductase with F-box domain, putati	3	14	0
PITG_02472	Pi conserved hypothetical protein (873 nt)	1	4	0
PITG_02473	Pi HECT E3 ubiquitin ligase, putative (1995 nt)	6	9	0
PITG_02475	Pi conserved hypothetical protein (501 nt)	8	3	0
PITG_02477	Pi conserved hypothetical protein (773 nt)	4	11	0
PITG_02478	Pi DEAD/DEAH box RNA helicase, putative (2331 nt)	11	12	0
PITG_02479	Pi T-complex protein 1 subunit theta (1856 nt)	9	52	4
PITG_02480	Pi conserved hypothetical protein (981 nt)	37	15	0
PITG_02482	Pi ATP-dependent RNA helicase DHX8 (3493 nt)	8	13	0
PITG_02483	Pi 3-ketodihydrosphingosine reductase, putative (1073	87	63	6
PITG_02486	Pi conserved hypothetical protein (1050 nt)	6	27	0
PITG_02487	Pi conserved hypothetical protein (939 nt)	9	33	0
PITG_02489	Pi conserved hypothetical protein (1975 nt)	1	11	0
PITG_02490	Pi conserved hypothetical protein (870 nt)	3	18	0
PITG_02491	Pi conserved hypothetical protein (739 nt)	9	19	0
PITG_02492	Pi microtubule-associated protein, putative (7118 nt)	2	4	0
PITG_02493	Pi eukaryotic translation initiation factor 1b, putative (}	377	208	5
PITG_02494	Pi conserved hypothetical protein (1225 nt)	22	25	0
PITG_02495	Pi phosphatidylinositol kinase (PIK-L4) (9150 nt)	1	14	0
PITG_02496	Pi conserved hypothetical protein (2508 nt)	2	13	0
PITG_02497	Pi HECT E3 ubiquitin ligase, putative (2229 nt)	14	35	0
PITG_02498	Pi iron sulfur cluster assembly protein 1, mitochondrial	28	72	0
PITG_02499	Pi conserved hypothetical protein (1724 nt)	11	37	0
PITG_02500	Pi conserved hypothetical protein (790 nt)	77	38	0

PITG_02501	Pi conserved hypothetical protein (986 nt)	1269	755	0
PITG_02502	Pi T-complex protein 1 subunit zeta (3765 nt)	20	52	3
PITG_02503	Pi FAD synthetase, putative (876 nt)	9	7	0
PITG_02506	Pi conserved hypothetical protein (1835 nt)	3	12	0
PITG_02507	Pi conserved hypothetical protein (972 nt)	7	8	0
PITG_02509	Pi conserved hypothetical protein (730 nt)	0	3	0
PITG_02510	Pi conserved hypothetical protein (1081 nt)	199	384	0
PITG_02515	Pi LETM1 and EF-hand domain-containing protein 1, pu	11	33	1
PITG_02516	Pi conserved hypothetical protein (1328 nt)	4	13	0
PITG_02520	Pi conserved hypothetical protein (2341 nt)	1	21	0
PITG_02521	Pi conserved hypothetical protein (1199 nt)	0	4	0
PITG_02525	Pi elicitor-like mating protein M25 (846 nt)	1	19	0
PITG_02526	Pi dynein heavy chain (14109 nt)	1	41	0
PITG_02527	Pi histone H2A variant 1 (654 nt)	21	128	2
PITG_02528	Pi elongator complex protein, putative (2055 nt)	1	8	0
PITG_02529	Pi protein kinase, putative (4011 nt)	2	20	0
PITG_02530	Pi conserved hypothetical protein (1675 nt)	3	11	0
PITG_02531	Pi conserved hypothetical protein (4082 nt)	3	24	0
PITG_02532	Pi Ca ²⁺ :Cation Antiporter (CaCA) Family (3392 nt)	8	54	7
PITG_02533	Pi conserved hypothetical protein (845 nt)	21	96	0
PITG_02537	Pi conserved hypothetical protein (1443 nt)	65	189	0
PITG_02540	Pi integrator complex subunit, putative (2317 nt)	2	14	0
PITG_02541	Pi conserved hypothetical protein (2286 nt)	2	9	0
PITG_02546	Pi ubiquitin carboxyl-terminal hydrolase, putative (2561	5	15	0
PITG_02547	Pi transcription initiation factor TFIID subunit 1, putativ	2	20	0
PITG_02549	Pi conserved hypothetical protein (401 nt)	1	1	0
PITG_02551	Pi calmodulin-like protein (595 nt)	0	0	0
PITG_02552	Pi conserved hypothetical protein (1095 nt)	0	26	0
PITG_02553	Pi conserved hypothetical protein (1261 nt)	17	12	0
PITG_02555	Pi conserved hypothetical protein (1587 nt)	1	13	0
PITG_02556	Pi Major Facilitator Superfamily (MFS) (1790 nt)	3	8	0
PITG_02559	Pi conserved hypothetical protein (1807 nt)	2	14	0
PITG_02561	Pi ubiquitin-specific protease, putative (8027 nt)	2	24	0
PITG_02562	Pi conserved hypothetical protein (1647 nt)	22	75	0
PITG_02563	Pi conserved hypothetical protein (2174 nt)	3	69	0
PITG_02564	Pi exosome complex exonuclease RRP6-like protein (48	12	20	0
PITG_02565	Pi protein kinase, putative (1170 nt)	12	82	0
PITG_02567	Pi T-complex protein 1 subunit alpha (1841 nt)	18	65	5
PITG_02568	Pi conserved hypothetical protein (1143 nt)	1	0	0
PITG_02569	Pi Rab11 family GTPase, putative (1821 nt)	1	1	0
PITG_02570	Pi conserved hypothetical protein (578 nt)	0	31	0
PITG_02571	Pi conserved hypothetical protein (1114 nt)	6	20	0
PITG_02572	Pi conserved hypothetical protein (3372 nt)	2	14	0
PITG_02575	Pi alpha,alpha-trehalose-phosphate synthase [UDP-fori	3	32	0
PITG_02576	Pi protein phosphatase 2C, putative (1267 nt)	3	8	0
PITG_02577	Pi conserved hypothetical protein (330 nt)	0	29	0
PITG_02578	Pi 60S ribosomal protein L15-1 (621 nt)	561	600	56

PITG_02579 | Pi enoyl-CoA hydratase/isomerase family, putative (1083 nt)	79	77	0
PITG_02580 | Pi conserved hypothetical protein (1599 nt)	14	34	0
PITG_02582 | Pi C2 domain-containing protein, putative (826 nt)	23	22	0
PITG_02585 | Pi conserved hypothetical protein (1448 nt)	9	12	0
PITG_02586 | Pi conserved hypothetical protein (5388 nt)	4	47	1
PITG_02588 | Pi conserved hypothetical protein (915 nt)	14	16	0
PITG_02591 | Pi conserved hypothetical protein (1169 nt)	16	32	0
PITG_02592 | Pi conserved hypothetical protein (565 nt)	1	3	0
PITG_02594 | Pi glutamate decarboxylase (1660 nt)	112	290	6
PITG_02595 | Pi conserved hypothetical protein (4154 nt)	0	2	0
PITG_02596 | Pi DC12 family protein (1726 nt)	2	16	0
PITG_02597 | Pi DnaJ subfamily B protein (1362 nt)	4	22	0
PITG_02598 | Pi conserved hypothetical protein (2378 nt)	20	49	0
PITG_02600 | Pi hypothetical protein (549 nt)	35	127	0
PITG_02607 | Pi peroxisomal multifunctional enzyme, putative (1083 nt)	34	110	1
PITG_02608 | Pi autophagy-related protein, putative (1744 nt)	2	31	0
PITG_02613 | Pi conserved hypothetical protein (799 nt)	8	19	0
PITG_02615 | Pi conserved hypothetical protein (1055 nt)	19	138	0
PITG_02616 | Pi caltractin (763 nt)	13	9	0
PITG_02617 | Pi conserved hypothetical protein (1476 nt)	1	6	0
PITG_02619 | Pi hypothetical protein (309 nt)	3	9	0
PITG_02620 | Pi conserved hypothetical protein (1545 nt)	3	7	0
PITG_02621 | Pi CTP synthase, putative (1809 nt)	2	9	0
PITG_02622 | Pi conserved hypothetical protein (2367 nt)	0	0	0
PITG_02623 | Pi aspartyl protease family A01B, putative (2187 nt)	6	27	0
PITG_02624 | Pi aspartyl protease family A01B, putative (1499 nt)	6	26	0
PITG_02625 | Pi conserved hypothetical protein (625 nt)	4	13	0
PITG_02626 | Pi conserved hypothetical protein (1995 nt)	15	57	0
PITG_02627 | Pi conserved hypothetical protein (1416 nt)	21	62	0
PITG_02628 | Pi conserved hypothetical protein (1134 nt)	10	33	0
PITG_02629 | Pi nucleolin, putative (1642 nt)	3	10	1
PITG_02634 | Pi conserved hypothetical protein (761 nt)	14	92	0
PITG_02635 | Pi conserved hypothetical protein (2136 nt)	1	11	0
PITG_02636 | Pi conserved hypothetical protein (4157 nt)	8	35	0
PITG_02637 | Pi hypothetical protein (2078 nt)	3	38	0
PITG_02638 | Pi hypothetical protein (1487 nt)	1	0	0
PITG_02640 | Pi conserved hypothetical protein (986 nt)	62	68	0
PITG_02642 | Pi pyruvate dehydrogenase [lipoamide] (1222 nt)	29	33	0
PITG_02646 | Pi conserved hypothetical protein (1623 nt)	0	0	0
PITG_02650 | Pi hypothetical protein (228 nt)	2	4	0
PITG_02654 | Pi serine hydrolase (FSH1)-like protein, putative (858 nt)	17	14	0
PITG_02655 | Pi conserved hypothetical protein (804 nt)	6	15	0
PITG_02657 | Pi conserved hypothetical protein (1664 nt)	39	217	0
PITG_02658 | Pi conserved hypothetical protein (1370 nt)	35	286	0
PITG_02659 | Pi serine hydrolase (FSH1)-like protein, putative (831 nt)	22	16	0
PITG_02660 | Pi conserved hypothetical protein (873 nt)	100	84	0
PITG_02661 | Pi conserved hypothetical protein (2055 nt)	2	21	0

PITG_02662	Pi ubiquitin family protein, putative (1157 nt)	51	136	0
PITG_02663	Pi conserved hypothetical protein (1298 nt)	5	37	1
PITG_02664	Pi ATP-dependent RNA helicase DBP2, putative (2496 r	46	135	1
PITG_02666	Pi protein kinase, putative (3176 nt)	4	10	0
PITG_02667	Pi conserved hypothetical protein (592 nt)	3	6	0
PITG_02670	Pi conserved hypothetical protein (869 nt)	14	50	0
PITG_02671	Pi cAMP-dependent protein kinase regulatory subunit (	5	26	0
PITG_02672	Pi ATP-dependent protease hslV (887 nt)	14	34	0
PITG_02673	Pi conserved hypothetical protein (1392 nt)	4	19	0
PITG_02677	Pi DEAD/DEAH box RNA helicase, putative (1859 nt)	1	18	0
PITG_02678	Pi conserved hypothetical protein (1105 nt)	1	3	0
PITG_02679	Pi conserved hypothetical protein (3114 nt)	10	24	0
PITG_02680	Pi conserved hypothetical protein (3812 nt)	0	4	0
PITG_02683	Pi calcineurin-like phosphoesterase, putative (1396 nt)	5	28	0
PITG_02684	Pi peptidyl-tRNA hydrolase, putative (797 nt)	8	48	0
PITG_02687	Pi conserved hypothetical protein (601 nt)	0	0	0
PITG_02688	Pi conserved hypothetical protein (394 nt)	6	9	0
PITG_02691	Pi hypothetical protein (4334 nt)	6	2	0
PITG_02692	Pi conserved hypothetical protein (1703 nt)	0	40	0
PITG_02694	Pi 60S ribosomal protein L23a (830 nt)	452	759	78
PITG_02695	Pi striatin-3 family protein (2493 nt)	26	49	0
PITG_02696	Pi vacuolar protein sorting-associated protein, putative	2	20	0
PITG_02697	Pi ATP-binding Cassette (ABC) Superfamily (2563 nt)	4	2	0
PITG_02698	Pi conserved hypothetical protein (4793 nt)	0	17	0
PITG_02706	Pi NUK6 (2239 nt)	12	113	0
PITG_02710	Pi serine protease family S01A, putative (3352 nt)	25	56	0
PITG_02711	Pi oligopeptidase A, putative (2519 nt)	2	13	0
PITG_02712	Pi conserved hypothetical protein (1495 nt)	12	65	0
PITG_02713	Pi brefeldin A-inhibited guanine nucleotide-exchange p	0	0	0
PITG_02716	Pi conserved hypothetical protein (1906 nt)	9	32	0
PITG_02717	Pi conserved hypothetical protein (922 nt)	4	17	0
PITG_02718	Pi conserved hypothetical protein (1648 nt)	1	11	0
PITG_02719	Pi conserved hypothetical protein (1040 nt)	2	19	0
PITG_02720	Pi conserved hypothetical protein (1338 nt)	3	34	0
PITG_02721	Pi tubulin polyglutamylase, putative (1992 nt)	1	0	0
PITG_02722	Pi conserved hypothetical protein (769 nt)	9	32	0
PITG_02723	Pi conserved hypothetical protein (1428 nt)	11	12	0
PITG_02724	Pi Cullin family protein, putative (2338 nt)	5	26	0
PITG_02725	Pi conserved hypothetical protein (1766 nt)	6	13	0
PITG_02728	Pi inositol-3,4-bisphosphate 4-phosphatase, putative (€	1	14	0
PITG_02729	Pi chromodomain protein, putative (1543 nt)	24	28	0
PITG_02730	Pi conserved hypothetical protein (4085 nt)	3	21	0
PITG_02731	Pi conserved hypothetical protein (3612 nt)	6	26	0
PITG_02732	Pi conserved hypothetical protein (1556 nt)	19	45	0
PITG_02733	Pi conserved hypothetical protein (1731 nt)	4	26	0
PITG_02734	Pi conserved hypothetical protein (387 nt)	7	64	0
PITG_02735	Pi 2,3-bisphosphoglycerate-dependent phosphoglycera	11	49	0

PITG_02736	Pi U2 small nuclear ribonucleoprotein A', putative (137 nt)	4	23	0
PITG_02737	Pi conserved hypothetical protein (1280 nt)	23	206	0
PITG_02738	Pi hypothetical protein (729 nt)	0	14	0
PITG_02739	Pi conserved hypothetical protein (1730 nt)	6	22	0
PITG_02740	Pi acetolactate synthase, mitochondrial precursor (194 nt)	15	32	1
PITG_02741	Pi glutaredoxin (527 nt)	24	74	3
PITG_02744	Pi conserved hypothetical protein (2910 nt)	6	15	0
PITG_02745	Pi casein kinase II subunit beta (1503 nt)	40	109	0
PITG_02748	Pi conserved hypothetical protein (981 nt)	10	142	0
PITG_02750	Pi NAD kinase, putative (1884 nt)	4	40	0
PITG_02751	Pi conserved hypothetical protein (2612 nt)	1	3	0
PITG_02752	Pi ribosomal RNA methyltransferase nop2-like protein (1000 nt)	3	8	0
PITG_02753	Pi DNA polymerase zeta catalytic subunit, putative (567 nt)	0	14	0
PITG_02754	Pi conserved hypothetical protein (2880 nt)	2	15	0
PITG_02755	Pi structural maintenance of chromosomes protein 5, γ (1000 nt)	6	45	0
PITG_02756	Pi conserved hypothetical protein (1271 nt)	12	12	0
PITG_02757	Pi pyruvate kinase (2280 nt)	11	12	0
PITG_02758	Pi conserved hypothetical protein (1692 nt)	1	7	0
PITG_02759	Pi hypothetical protein (278 nt)	11	7	0
PITG_02760	Pi oxidoreductase, putative (881 nt)	1	38	0
PITG_02761	Pi oxidoreductase, putative (1697 nt)	3	42	0
PITG_02762	Pi protein kinase, putative (2433 nt)	16	91	0
PITG_02764	Pi conserved hypothetical protein (967 nt)	13	25	0
PITG_02765	Pi conserved hypothetical protein (901 nt)	12	18	0
PITG_02766	Pi patatin-like phospholipase, putative (2211 nt)	7	7	0
PITG_02767	Pi cysteine dioxygenase, putative (736 nt)	49	13	0
PITG_02769	Pi conserved hypothetical protein (995 nt)	27	59	0
PITG_02770	Pi calcineurin-like phosphoesterase, putative (2185 nt)	9	18	0
PITG_02774	Pi multiple inositol polyphosphate phosphatase, putative (1000 nt)	0	3	0
PITG_02775	Pi conserved hypothetical protein (2460 nt)	0	16	0
PITG_02776	Pi multiple inositol polyphosphate phosphatase, putative (1000 nt)	2	11	0
PITG_02778	Pi conserved hypothetical protein (5595 nt)	1	12	0
PITG_02780	Pi conserved hypothetical protein (6195 nt)	1	10	0
PITG_02781	Pi conserved hypothetical protein (1596 nt)	1	13	0
PITG_02782	Pi conserved hypothetical protein (978 nt)	0	15	0
PITG_02783	Pi multiple inositol polyphosphate phosphatase 1, putative (1000 nt)	2	9	0
PITG_02784	Pi conserved hypothetical protein (1649 nt)	3	2	0
PITG_02785	Pi fructose-bisphosphate aldolase (1314 nt)	84	107	3
PITG_02786	Pi fructose-bisphosphate aldolase (1256 nt)	47	317	24
PITG_02787	Pi conserved hypothetical protein (1719 nt)	11	35	0
PITG_02788	Pi dynein 18 kDa light chain (447 nt)	0	0	0
PITG_02789	Pi E3 ubiquitin ligase, putative (1129 nt)	0	15	0
PITG_02791	Pi conserved hypothetical protein (817 nt)	7	23	0
PITG_02792	Pi conserved hypothetical protein (1898 nt)	95	43	0
PITG_02793	Pi conserved hypothetical protein (3525 nt)	32	26	0
PITG_02794	Pi conserved hypothetical protein (1986 nt)	1	10	0
PITG_02796	Pi myosin-like protein (4929 nt)	17	86	0

PITG_02797	Pi ribosomal RNA large subunit methyltransferase N, pi	4	25	0
PITG_02798	Pi conserved hypothetical protein (513 nt)	22	71	0
PITG_02799	Pi conserved hypothetical protein (4349 nt)	0	15	0
PITG_02800	Pi conserved hypothetical protein (3207 nt)	1	11	0
PITG_02802	Pi stomatin-like protein (1226 nt)	11	29	0
PITG_02805	Pi DNA mismatch repair protein Msh2, putative (2451 nt)	2	12	0
PITG_02807	Pi conserved hypothetical protein (1441 nt)	21	35	0
PITG_02809	Pi conserved hypothetical protein (4665 nt)	12	9	0
PITG_02810	Pi cell division cycle protein 16 (2592 nt)	7	26	0
PITG_02812	Pi type I inositol-3,4-bisphosphate 4-phosphatase, puta	2	13	0
PITG_02813	Pi conserved hypothetical protein (1230 nt)	7	29	0
PITG_02814	Pi conserved hypothetical protein (672 nt)	6	49	0
PITG_02815	Pi conserved hypothetical protein (653 nt)	1	0	0
PITG_02818	Pi conserved hypothetical protein (3640 nt)	2	2	0
PITG_02819	Pi conserved hypothetical protein (471 nt)	0	1	0
PITG_02820	Pi phosphatidylinositol-3,4,5-trisphosphate 3-phosphat	25	41	0
PITG_02821	Pi vacuolar-processing enzyme, putative (1425 nt)	15	49	0
PITG_02822	Pi conserved hypothetical protein (772 nt)	4	16	0
PITG_02824	Pi Sulfate Permease (SulP) Family (3174 nt)	3	18	0
PITG_02826	Pi DEAD/DEAH box RNA helicase, putative (2948 nt)	3	27	0
PITG_02827	Pi ras-like GTP-binding protein (1897 nt)	11	37	0
PITG_02840	Pi WD repeat-containing protein srw1 (2088 nt)	0	2	0
PITG_02841	Pi conserved hypothetical protein (1129 nt)	85	48	0
PITG_02842	Pi CDP-alcohol phosphatidyltransferase, putative (1754	30	39	0
PITG_02846	Pi para-hydroxybenzoate-polyprenyltransferase, putati	0	8	0
PITG_02848	Pi conserved hypothetical protein (929 nt)	1	11	0
PITG_02849	Pi conserved hypothetical protein (2260 nt)	15	49	0
PITG_02850	Pi conserved hypothetical protein (2391 nt)	5	20	0
PITG_02852	Pi aminoacylase, metalloprotease family M20A, putativ	1	28	0
PITG_02853	Pi 3,2-trans-enoyl-CoA isomerase, mitochondrial precu	38	131	0
PITG_02854	Pi aspartate-semialdehyde dehydrogenase, putative (1	5	13	1
PITG_02855	Pi conserved hypothetical protein (1233 nt)	0	0	0
PITG_02856	Pi DEAD/DEAH box RNA helicase, putative (2098 nt)	9	42	2
PITG_02857	Pi L-allo-threonine aldolase (1202 nt)	8	8	0
PITG_02858	Pi L-allo-threonine aldolase (1256 nt)	4	2	0
PITG_02863	Pi conserved hypothetical protein (3013 nt)	0	12	0
PITG_02864	Pi conserved hypothetical protein (2682 nt)	0	14	0
PITG_02866	Pi conserved hypothetical protein (453 nt)	20	8	0
PITG_02867	Pi ubiquitin conjugation factor E4, putative (3219 nt)	8	26	0
PITG_02885	Pi conserved hypothetical protein (1866 nt)	1	17	0
PITG_02887	Pi ribosome biogenesis protein BMS1 (3663 nt)	2	12	0
PITG_02893	Pi conserved hypothetical protein (1012 nt)	1	7	0
PITG_02895	Pi selenoprotein O, putative (1914 nt)	3	18	0
PITG_02901	Pi glycoside hydrolase, putative (902 nt)	8	27	0
PITG_02902	Pi carbohydrate esterase, putative (1228 nt)	10	63	1
PITG_02905	Pi conserved hypothetical protein (1843 nt)	4	19	0
PITG_02909	Pi carbohydrate-binding protein, putative (1740 nt)	6	27	0

PITG_02910	Pi conserved hypothetical protein (1409 nt)	10	162	0
PITG_02911	Pi conserved hypothetical protein (971 nt)	1	11	0
PITG_02912	Pi conserved hypothetical protein (1474 nt)	15	37	0
PITG_02914	Pi hypothetical protein (2357 nt)	16	5	0
PITG_02916	Pi conserved hypothetical protein (1431 nt)	4	24	0
PITG_02917	Pi puromycin-sensitive aminopeptidase, putative (2655 nt)	9	35	0
PITG_02920	Pi conserved hypothetical protein (466 nt)	5	23	0
PITG_02921	Pi valyl-tRNA synthetase (3210 nt)	11	48	1
PITG_02922	Pi Polycystin Cation Channel (PCC) Family (3330 nt)	0	1	0
PITG_02923	Pi conserved hypothetical protein (2058 nt)	52	116	0
PITG_02924	Pi conserved hypothetical protein (1970 nt)	4	35	0
PITG_02925	Pi ketol-acid reductoisomerase (1703 nt)	74	221	20
PITG_02926	Pi conserved hypothetical protein (657 nt)	0	37	0
PITG_02927	Pi hypothetical protein (700 nt)	11	130	0
PITG_02928	Pi berberine-like protein (1530 nt)	1	27	0
PITG_02935	Pi berberine-like protein (1524 nt)	2	16	0
PITG_02940	Pi phosphoglycerate mutase family (840 nt)	8	13	0
PITG_02942	Pi conserved hypothetical protein (919 nt)	3	11	0
PITG_02943	Pi palmitoyltransferase, putative (1033 nt)	11	41	0
PITG_02945	Pi conserved hypothetical protein (1301 nt)	6	18	0
PITG_02947	Pi conserved hypothetical protein (814 nt)	2	21	0
PITG_02948	Pi conserved hypothetical protein (1305 nt)	10	95	0
PITG_02949	Pi conserved hypothetical protein (919 nt)	71	75	0
PITG_02950	Pi conserved hypothetical protein (684 nt)	34	43	0
PITG_02951	Pi phosphoglycerate mutase family (708 nt)	3	23	0
PITG_02952	Pi sporangia induced Bardet-Biedl syndrome 4 protein	2	1	0
PITG_02953	Pi conserved hypothetical protein (492 nt)	2	7	0
PITG_02957	Pi conserved hypothetical protein (1746 nt)	0	15	0
PITG_02958	Pi conserved hypothetical protein (864 nt)	15	41	0
PITG_02960	Pi mitogen-activated protein kinase kinase kinase, puta	57	68	0
PITG_02961	Pi choline dehydrogenase, putative (1843 nt)	1	10	0
PITG_02964	Pi carbohydrate-binding protein, putative (1075 nt)	3	38	1
PITG_02968	Pi choline dehydrogenase, putative (1861 nt)	4	14	0
PITG_02970	Pi hypothetical protein (586 nt)	0	15	0
PITG_02971	Pi conserved hypothetical protein (2669 nt)	11	87	0
PITG_02973	Pi delta-1-pyrroline-5-carboxylate synthetase, putative	31	49	0
PITG_02974	Pi conserved hypothetical protein (318 nt)	79	140	0
PITG_02975	Pi conserved hypothetical protein (3032 nt)	4	21	0
PITG_02976	Pi conserved hypothetical protein (3591 nt)	2	30	0
PITG_02977	Pi conserved hypothetical protein (1039 nt)	39	30	0
PITG_02978	Pi Chloride Channel (ClC) Family (1830 nt)	4	11	0
PITG_02979	Pi conserved hypothetical protein (438 nt)	16	21	0
PITG_02980	Pi conserved hypothetical protein (899 nt)	2	12	0
PITG_02981	Pi conserved hypothetical protein (1555 nt)	14	10	0
PITG_02984	Pi conserved hypothetical protein (358 nt)	35	77	0
PITG_02985	Pi conserved hypothetical protein (1470 nt)	29	23	0
PITG_02989	Pi conserved hypothetical protein (1691 nt)	0	15	0

PITG_02990	Pi conserved hypothetical protein (1597 nt)	2	13	0
PITG_02992	Pi tyrosyl-tRNA synthetase, putative (1698 nt)	6	41	0
PITG_02994	Pi hypothetical protein (1187 nt)	5	26	0
PITG_02995	Pi conserved hypothetical protein (701 nt)	57	57	0
PITG_02997	Pi conserved hypothetical protein (7869 nt)	1	3	0
PITG_02998	Pi S-adenosyl-L-methionine-dependent methyltransferase (1000 nt)	1	29	0
PITG_03002	Pi patatin-like phospholipase, putative (2204 nt)	1	16	0
PITG_03005	Pi conserved hypothetical protein (585 nt)	24	26	0
PITG_03006	Pi protein kinase (1901 nt)	11	28	0
PITG_03008	Pi conserved hypothetical protein (1887 nt)	5	52	0
PITG_03011	Pi F-box protein, putative (4337 nt)	2	23	0
PITG_03012	Pi conserved hypothetical protein (823 nt)	182	554	7
PITG_03014	Pi F-box protein, putative (3548 nt)	1	11	0
PITG_03015	Pi aspartyl/Asparaginyl beta-hydroxylase, putative (1099 nt)	5	12	0
PITG_03016	Pi conserved hypothetical protein (640 nt)	2	15	0
PITG_03017	Pi integrator complex subunit, putative (2706 nt)	10	26	0
PITG_03018	Pi sporangia induced dynein heavy chain (12567 nt)	1	24	0
PITG_03019	Pi conserved hypothetical protein (530 nt)	0	12	0
PITG_03020	Pi cysteine protease family C01A, putative (1608 nt)	141	492	1
PITG_03024	Pi hypothetical protein (588 nt)	2	18	0
PITG_03025	Pi hypothetical protein (891 nt)	6	20	0
PITG_03027	Pi UDP-N-acetylhexosamine pyrophosphorylase, putative (1000 nt)	7	14	0
PITG_03028	Pi pre-mRNA-splicing factor SF2 (928 nt)	39	110	1
PITG_03030	Pi conserved hypothetical protein (1138 nt)	2	26	0
PITG_03031	Pi conserved hypothetical protein (6147 nt)	1	14	0
PITG_03032	Pi conserved hypothetical protein (2103 nt)	1	20	0
PITG_03033	Pi conserved hypothetical protein (519 nt)	123	177	7
PITG_03034	Pi cleavage induced conserved hypothetical protein (2000 nt)	8	11	0
PITG_03038	Pi Major Facilitator Superfamily (MFS) (1617 nt)	91	63	0
PITG_03039	Pi conserved hypothetical protein (3607 nt)	6	39	0
PITG_03040	Pi conserved hypothetical protein (2196 nt)	3	11	0
PITG_03041	Pi Major Facilitator Superfamily (MFS) (1170 nt)	3	13	0
PITG_03042	Pi Major Facilitator Superfamily (MFS) (1476 nt)	6	13	0
PITG_03043	Pi hypothetical protein (2357 nt)	2	23	0
PITG_03044	Pi autophagy-related protein, putative (2441 nt)	7	30	0
PITG_03048	Pi ubiquitin-conjugating enzyme E2, putative (1098 nt)	3	26	0
PITG_03049	Pi cAMP-dependent protein kinase catalytic subunit, putative (1000 nt)	1	13	0
PITG_03050	Pi conserved hypothetical protein (4071 nt)	0	0	0
PITG_03051	Pi Drug/Metabolite Transporter (DMT) Superfamily (1300 nt)	0	0	0
PITG_03052	Pi Drug/Metabolite Transporter (DMT) Superfamily (5400 nt)	1	0	0
PITG_03053	Pi Drug/Metabolite Transporter (DMT) Superfamily (6700 nt)	38	13	0
PITG_03054	Pi conserved hypothetical protein (713 nt)	72	26	0
PITG_03056	Pi DNA polymerase I, putative (4067 nt)	1	10	0
PITG_03057	Pi ubiquitin-conjugating enzyme E2, putative (641 nt)	4	16	0
PITG_03058	Pi cytochrome P450, putative (1587 nt)	14	22	0
PITG_03060	Pi alpha-1,2-glucosyltransferase, putative (1863 nt)	3	27	0
PITG_03061	Pi conserved hypothetical protein (1746 nt)	7	51	0

PITG_03062	Pi conserved hypothetical protein (1880 nt)	0	0	0
PITG_03063	Pi conserved hypothetical protein (474 nt)	7	5	0
PITG_03064	Pi kinesin-like protein (3993 nt)	0	1	0
PITG_03072	Pi conserved hypothetical protein (699 nt)	2	29	0
PITG_03074	Pi diacylglycerol acyltransferase, putative (1160 nt)	6	11	0
PITG_03075	Pi Cullin family protein, putative (3486 nt)	4	42	0
PITG_03076	Pi ATP-dependent helicase, RECQ family protein (2383 nt)	3	19	0
PITG_03077	Pi tubulin polyglutamylase, putative (2157 nt)	1	4	0
PITG_03078	Pi triosephosphate isomerase (819 nt)	15	1	0
PITG_03079	Pi hypothetical protein (1987 nt)	1	9	0
PITG_03080	Pi hypothetical protein (999 nt)	104	241	0
PITG_03081	Pi 26S proteasome non-ATPase regulatory subunit 2 (300 nt)	19	121	3
PITG_03082	Pi Outer Dynein Arm Light Chain 1 (1826 nt)	2	5	0
PITG_03083	Pi nuclease precursor (725 nt)	1	20	0
PITG_03085	Pi conserved hypothetical protein (1413 nt)	2	17	0
PITG_03092	Pi conserved hypothetical protein (441 nt)	14	179	0
PITG_03094	Pi conserved hypothetical protein (607 nt)	4	11	0
PITG_03095	Pi carbohydrate-binding protein, putative (3021 nt)	14	148	0
PITG_03096	Pi hypothetical protein (1264 nt)	268	353	0
PITG_03097	Pi conserved hypothetical protein (965 nt)	17	7	0
PITG_03098	Pi carbamoyl-phosphate synthase [ammonia], putative (1000 nt)	3	65	7
PITG_03099	Pi hypothetical protein (966 nt)	1	15	0
PITG_03101	Pi conserved hypothetical protein (2590 nt)	2	21	1
PITG_03102	Pi septum-promoting GTP-binding protein 1 (827 nt)	5	12	0
PITG_03103	Pi conserved hypothetical protein (1894 nt)	8	40	0
PITG_03104	Pi conserved hypothetical protein (1542 nt)	41	229	0
PITG_03106	Pi conserved hypothetical protein (2633 nt)	0	0	0
PITG_03109	Pi conserved hypothetical protein (1054 nt)	6	8	0
PITG_03110	Pi conserved hypothetical protein (2819 nt)	0	12	0
PITG_03111	Pi conserved hypothetical protein (1474 nt)	4	25	0
PITG_03112	Pi importin-like protein (3460 nt)	2	15	0
PITG_03113	Pi conserved hypothetical protein (741 nt)	107	89	0
PITG_03114	Pi conserved hypothetical protein (1276 nt)	3	14	0
PITG_03115	Pi conserved hypothetical protein (1210 nt)	12	82	0
PITG_03117	Pi U4/U6 small nuclear ribonucleoprotein Prp3, putative (1000 nt)	5	31	0
PITG_03118	Pi mRNA decapping enzyme (1290 nt)	9	4	0
PITG_03119	Pi conserved hypothetical protein (1770 nt)	8	22	0
PITG_03123	Pi M96 mating-specific protein family (2036 nt)	2	23	0
PITG_03127	Pi M96 mating-specific protein family (1130 nt)	5	6	0
PITG_03130	Pi M96 mating-specific protein family (878 nt)	11	51	0
PITG_03131	Pi M96 mating-specific protein family (2995 nt)	7	3	0
PITG_03135	Pi lysosomal beta glucosidase, putative (2368 nt)	2	12	0
PITG_03142	Pi hsp90-like protein (1411 nt)	30	16	0
PITG_03143	Pi indigoidine synthase A family protein, putative (2864 nt)	8	14	0
PITG_03144	Pi conserved hypothetical protein (1997 nt)	4	14	0
PITG_03146	Pi conserved hypothetical protein (1749 nt)	4	25	0
PITG_03147	Pi conserved hypothetical protein (849 nt)	7	3	0

PITG_03148 | Pi Rab7 family GTPase, putative (984 nt)	81	111	1
PITG_03149 | Pi conserved hypothetical protein (910 nt)	6	14	0
PITG_03150 | Pi proteasome subunit alpha type-3, putative (1000 nt)	25	142	7
PITG_03152 | Pi conserved hypothetical protein (6883 nt)	1	21	0
PITG_03154 | Pi ubiquitin family protein, putative (977 nt)	3	11	0
PITG_03155 | Pi secreted RxLR effector peptide, putative (750 nt)	6	24	0
PITG_03156 | Pi pre-rRNA-processing protein TSR1 (2490 nt)	1	9	0
PITG_03158 | Pi tRNA isopentenyltransferase, putative (1380 nt)	9	5	0
PITG_03159 | Pi conserved hypothetical protein (555 nt)	14	22	0
PITG_03160 | Pi ubiquitin family protein, putative (1188 nt)	18	46	0
PITG_03161 | Pi conserved hypothetical protein (3229 nt)	0	0	0
PITG_03162 | Pi cleavage induced hypothetical protein (683 nt)	0	2	0
PITG_03163 | Pi conserved hypothetical protein (2087 nt)	6	29	0
PITG_03164 | Pi conserved hypothetical protein (632 nt)	3	5	0
PITG_03165 | Pi conserved hypothetical protein (1050 nt)	4	17	0
PITG_03166 | Pi vesicle-associated membrane protein, putative (1044 nt)	53	37	0
PITG_03168 | Pi hypothetical protein (287 nt)	35	43	0
PITG_03169 | Pi GPN-loop GTPase, putative (3919 nt)	10	19	0
PITG_03170 | Pi SCP-like extracellular protein (558 nt)	0	0	0
PITG_03172 | Pi conserved hypothetical protein (1120 nt)	0	0	0
PITG_03174 | Pi conserved hypothetical protein (1364 nt)	0	12	0
PITG_03177 | Pi conserved hypothetical protein (895 nt)	29	68	1
PITG_03178 | Pi 60S ribosomal protein L9 (754 nt)	271	347	49
PITG_03179 | Pi conserved hypothetical protein (2544 nt)	3	19	0
PITG_03180 | Pi dynein heavy chain (13683 nt)	0	10	0
PITG_03181 | Pi conserved hypothetical protein (2415 nt)	0	0	0
PITG_03183 | Pi hypothetical protein (700 nt)	31	30	0
PITG_03192 | Pi secreted RxLR effector peptide, putative (435 nt)	3	0	1
PITG_03199 | Pi ubiquitin-conjugating enzyme E2, putative (492 nt)	18	27	0
PITG_03200 | Pi conserved hypothetical protein (1599 nt)	4	17	0
PITG_03202 | Pi hypothetical protein (671 nt)	0	1	0
PITG_03203 | Pi exocyst complex component 4, putative (2990 nt)	0	1	0
PITG_03211 | Pi conserved hypothetical protein (457 nt)	0	0	0
PITG_03212 | Pi hypothetical protein (405 nt)	0	1	0
PITG_03219 | Pi geranylgeranyl transferase type-2 subunit beta (1074 nt)	10	25	0
PITG_03220 | Pi proteasome subunit beta type-7, putative (1249 nt)	67	210	8
PITG_03221 | Pi 40S ribosomal protein S18 (948 nt)	1386	1393	120
PITG_03223 | Pi conserved hypothetical protein (1665 nt)	7	70	0
PITG_03224 | Pi conserved hypothetical protein (786 nt)	37	25	0
PITG_03225 | Pi conserved hypothetical protein (1653 nt)	5	37	0
PITG_03226 | Pi glutathione S-transferase, putative (1389 nt)	67	12	2
PITG_03229 | Pi glutathione S-transferase, putative (1267 nt)	72	147	0
PITG_03233 | Pi conserved hypothetical protein (996 nt)	2	8	0
PITG_03234 | Pi DEAD/DEAH box RNA helicase, putative (3253 nt)	14	43	0
PITG_03235 | Pi 60S ribosomal protein L35a-4 (797 nt)	928	731	63
PITG_03236 | Pi conserved hypothetical protein (2373 nt)	2	18	0
PITG_03237 | Pi conserved hypothetical protein (433 nt)	7	43	0

PITG_03238 | Pi conserved hypothetical protein (1371 nt)	18	52	0
PITG_03239 | Pi 60S ribosomal protein L27 (1037 nt)	689	1041	77
PITG_03240 | Pi conserved hypothetical protein (5329 nt)	0	2	0
PITG_03241 | Pi conserved hypothetical protein (1528 nt)	21	27	0
PITG_03242 | Pi conserved hypothetical protein (1499 nt)	6	17	0
PITG_03243 | Pi conserved hypothetical protein (1556 nt)	22	93	0
PITG_03244 | Pi conserved hypothetical protein (1787 nt)	3	13	0
PITG_03245 | Pi conserved hypothetical protein (1426 nt)	49	105	0
PITG_03246 | Pi conserved hypothetical protein (2572 nt)	12	35	0
PITG_03252 | Pi alpha-soluble NSF attachment protein, putative (126	38	127	2
PITG_03253 | Pi conserved hypothetical protein (425 nt)	4	17	0
PITG_03259 | Pi conserved hypothetical protein (1300 nt)	4	13	0
PITG_03260 | Pi conserved hypothetical protein (2299 nt)	4	15	0
PITG_03261 | Pi conserved hypothetical protein (766 nt)	6	23	0
PITG_03263 | Pi conserved hypothetical protein (1480 nt)	3	18	0
PITG_03265 | Pi Monovalent Cation:Proton Antiporter-1 (CPA1) Fami	3	22	0
PITG_03266 | Pi conserved hypothetical protein (1069 nt)	4	17	0
PITG_03267 | Pi conserved hypothetical protein (7326 nt)	5	40	0
PITG_03268 | Pi conserved hypothetical protein (744 nt)	4	11	0
PITG_03269 | Pi conserved hypothetical protein (852 nt)	3	10	0
PITG_03272 | Pi conserved hypothetical protein (696 nt)	1	4	0
PITG_03273 | Pi conserved hypothetical protein (768 nt)	3	3	0
PITG_03274 | Pi elongation factor P, putative (944 nt)	8	15	1
PITG_03275 | Pi spastin and Fidgetin-like protein (1835 nt)	11	47	0
PITG_03276 | Pi U4/U6.U5 tri-snRNP-associated protein, putative (20	8	15	0
PITG_03277 | Pi pyruvate dehydrogenase E1 component subunit alpf	67	280	18
PITG_03278 | Pi sporangia induced hypothetical protein (2039 nt)	0	7	0
PITG_03281 | Pi hypothetical protein (1206 nt)	1	7	0
PITG_03282 | Pi conserved hypothetical protein (3024 nt)	1	6	0
PITG_03283 | Pi conserved hypothetical protein (1315 nt)	1	13	0
PITG_03285 | Pi hypothetical protein (501 nt)	0	14	0
PITG_03286 | Pi hypothetical protein (367 nt)	0	11	0
PITG_03287 | Pi conserved hypothetical protein (1545 nt)	12	13	0
PITG_03288 | Pi myosin-like protein (4434 nt)	3	26	0
PITG_03292 | Pi GTPase (1643 nt)	1	10	0
PITG_03294 | Pi 60S ribosomal protein L6, putative (1516 nt)	235	245	37
PITG_03295 | Pi copper-transporting ATPase, putative (3771 nt)	4	13	0
PITG_03296 | Pi conserved hypothetical protein (6272 nt)	1	2	0
PITG_03297 | Pi conserved hypothetical protein (2244 nt)	0	2	0
PITG_03300 | Pi U4/U6 small nuclear ribonucleoprotein Prp31 (1625	6	15	0
PITG_03301 | Pi DEAD/DEAH box RNA helicase, putative (1773 nt)	1	7	0
PITG_03302 | Pi conserved hypothetical protein (810 nt)	5	8	0
PITG_03303 | Pi conserved hypothetical protein (877 nt)	5	27	0
PITG_03305 | Pi peptidase, putative (2045 nt)	3	23	0
PITG_03306 | Pi HSF-type DNA-binding protein, putative (755 nt)	5	27	0
PITG_03307 | Pi conserved hypothetical protein (1277 nt)	0	2	0
PITG_03309 | Pi Intraflagellar Transport Protein 140 (4726 nt)	0	0	0

PITG_03311	Pi regulator of chromosome condensation (RCC1)-like p	4	21	0
PITG_03313	Pi conserved hypothetical protein (1944 nt)	1	10	0
PITG_03314	Pi conserved hypothetical protein (755 nt)	15	17	0
PITG_03316	Pi hypothetical protein (459 nt)	0	23	0
PITG_03317	Pi conserved hypothetical protein (904 nt)	1	13	0
PITG_03318	Pi conserved hypothetical protein (4708 nt)	9	21	0
PITG_03322	Pi prolyl-tRNA synthetase, putative (1936 nt)	6	12	0
PITG_03323	Pi integrator complex subunit, putative (2087 nt)	2	13	0
PITG_03324	Pi ATP-dependent RNA helicase, putative (2810 nt)	4	10	0
PITG_03325	Pi hypothetical protein (3096 nt)	0	4	0
PITG_03329	Pi conserved hypothetical protein (947 nt)	6	19	0
PITG_03330	Pi conserved hypothetical protein (567 nt)	5	17	0
PITG_03331	Pi conserved hypothetical protein (582 nt)	6	13	0
PITG_03332	Pi phosphatidylinositol-4-phosphate 5-kinase, putative	2	25	0
PITG_03333	Pi conserved hypothetical protein (1859 nt)	71	88	15
PITG_03335	Pi callose synthase, putative (7947 nt)	3	70	2
PITG_03336	Pi GTP-binding protein TypA/BipA, putative (2327 nt)	4	22	0
PITG_03337	Pi conserved hypothetical protein (3329 nt)	2	9	0
PITG_03338	Pi hypothetical protein (846 nt)	5	10	0
PITG_03339	Pi conserved hypothetical protein (1065 nt)	65	102	0
PITG_03340	Pi conserved hypothetical protein (646 nt)	29	201	0
PITG_03341	Pi conserved hypothetical protein (1303 nt)	14	23	0
PITG_03342	Pi sorting and assembly machinery component 50 (197	8	45	0
PITG_03344	Pi H - or Na -translocating F-type, V-type and A-type AT	52	75	0
PITG_03345	Pi peptidyl-prolyl cis-trans isomerase E, putative (634 n	8	32	0
PITG_03346	Pi cleavage induced hypothetical protein (1250 nt)	1	5	0
PITG_03347	Pi ribonucleoside-diphosphate reductase small chain (1	7	68	0
PITG_03348	Pi RNA polymerase-associated protein CTR9 (3501 nt)	4	37	0
PITG_03351	Pi DNA mismatch repair protein Msh6, putative (3789 nt)	0	13	0
PITG_03353	Pi 60S ribosomal protein L17-2 (752 nt)	840	821	75
PITG_03354	Pi hypothetical protein (367 nt)	8	23	0
PITG_03355	Pi conserved hypothetical protein (1254 nt)	17	25	0
PITG_03356	Pi conserved hypothetical protein (1164 nt)	13	7	0
PITG_03359	Pi conserved hypothetical protein (1441 nt)	5	11	0
PITG_03360	Pi AP-4 complex subunit epsilon, putative (3506 nt)	10	46	0
PITG_03361	Pi conserved hypothetical protein (1394 nt)	2	5	0
PITG_03362	Pi HECT E3 ubiquitin ligase, putative (2057 nt)	5	8	0
PITG_03364	Pi RNA polymerase II-associated factor 1 (1975 nt)	6	35	0
PITG_03365	Pi glucokinase, putative (1763 nt)	4	30	0
PITG_03369	Pi conserved hypothetical protein (1287 nt)	30	43	0
PITG_03370	Pi conserved hypothetical protein (850 nt)	11	33	0
PITG_03371	Pi acyltransferase, putative (1770 nt)	3	17	0
PITG_03372	Pi conserved hypothetical protein (1359 nt)	7	63	0
PITG_03373	Pi cell division protein ftsZ (2511 nt)	4	26	0
PITG_03374	Pi conserved hypothetical protein (2227 nt)	45	14	0
PITG_03375	Pi conserved hypothetical protein (2260 nt)	1	13	0
PITG_03376	Pi endomembrane protein 70-like protein, putative (22	74	103	1

PITG_03379	Pi conserved hypothetical protein (3157 nt)	4	18	0
PITG_03380	Pi conserved hypothetical protein (388 nt)	13	37	1
PITG_03381	Pi ferric reductase, putative (2685 nt)	1	14	0
PITG_03386	Pi conserved hypothetical protein (726 nt)	18	7	0
PITG_03388	Pi lectin, putative (1612 nt)	6	32	1
PITG_03389	Pi replication factor C subunit 4 (1123 nt)	2	10	0
PITG_03390	Pi WD domain-containing protein, putative (1154 nt)	1	14	0
PITG_03391	Pi conserved hypothetical protein (608 nt)	20	13	0
PITG_03392	Pi Rab1 family GTPase (PiYpt1) (925 nt)	129	985	16
PITG_03393	Pi autophagy-related protein, putative (1234 nt)	98	375	1
PITG_03396	Pi conserved hypothetical protein (2455 nt)	9	21	0
PITG_03397	Pi conserved hypothetical protein (1337 nt)	6	18	0
PITG_03398	Pi histidyl-tRNA synthetase, putative (1038 nt)	0	26	0
PITG_03399	Pi histidyl-tRNA synthetase, putative (1123 nt)	6	17	0
PITG_03400	Pi crinkler (CRN) family protein, putative (1950 nt)	3	10	0
PITG_03401	Pi chromodomain-helicase-DNA-binding protein, putative (1123 nt)	1	23	0
PITG_03402	Pi conserved hypothetical protein (2464 nt)	0	21	0
PITG_03404	Pi conserved hypothetical protein (893 nt)	7	23	0
PITG_03405	Pi conserved hypothetical protein (2472 nt)	1	16	0
PITG_03406	Pi conserved hypothetical protein (606 nt)	10	5	0
PITG_03408	Pi conserved hypothetical protein (4564 nt)	18	23	0
PITG_03409	Pi serine protease family S10, putative (1713 nt)	6	28	0
PITG_03410	Pi acetolactate synthase small subunit, putative (1042 nt)	94	51	2
PITG_03411	Pi lysosomal beta glucosidase, putative (2370 nt)	7	7	0
PITG_03413	Pi conserved hypothetical protein (549 nt)	1	20	0
PITG_03414	Pi cysteine protease family C01A, putative (1431 nt)	3	11	0
PITG_03415	Pi cysteine protease family C01A, putative (1575 nt)	2	37	0
PITG_03416	Pi cysteine protease family C01A, putative (1530 nt)	21	56	0
PITG_03418	Pi conserved hypothetical protein (711 nt)	14	51	0
PITG_03419	Pi flagellar protein, putative (4935 nt)	0	4	0
PITG_03420	Pi 50S ribosomal protein L13 (423 nt)	27	49	4
PITG_03422	Pi conserved hypothetical protein (587 nt)	30	25	0
PITG_03423	Pi dynein heavy chain (12423 nt)	3	0	0
PITG_03424	Pi GTPase, putative (1554 nt)	196	121	6
PITG_03425	Pi glycoside hydrolase, putative (2021 nt)	18	84	0
PITG_03427	Pi tyrosine aminotransferase, putative (1933 nt)	6	126	0
PITG_03429	Pi conserved hypothetical protein (959 nt)	8	20	0
PITG_03431	Pi conserved hypothetical protein (1826 nt)	2	51	0
PITG_03432	Pi conserved hypothetical protein (7002 nt)	0	6	0
PITG_03433	Pi regulator of chromosome condensation (RCC1)-like protein (1123 nt)	0	5	0
PITG_03434	Pi conserved hypothetical protein (1225 nt)	7	2	0
PITG_03435	Pi conserved hypothetical protein (1046 nt)	32	9	0
PITG_03436	Pi conserved hypothetical protein (1394 nt)	2	20	0
PITG_03437	Pi conserved hypothetical protein (1021 nt)	0	0	0
PITG_03438	Pi lipin-like protein (1587 nt)	23	32	0
PITG_03440	Pi malate synthase (1771 nt)	29	394	0
PITG_03441	Pi malate synthase (1822 nt)	180	300	0

PITG_03443	Pi lipin-like protein (1587 nt)	36	27	0
PITG_03444	Pi dynein heavy chain (13863 nt)	0	1	0
PITG_03445	Pi Holliday junction ATP-dependent DNA helicase ruvB	13	32	0
PITG_03446	Pi conserved hypothetical protein (756 nt)	5	18	0
PITG_03449	Pi conserved hypothetical protein (372 nt)	16	89	0
PITG_03450	Pi conserved hypothetical protein (1090 nt)	0	7	0
PITG_03451	Pi conserved hypothetical protein (959 nt)	35	119	0
PITG_03453	Pi phosphatidylinositol kinase (PIK-G1) (3466 nt)	1	21	0
PITG_03454	Pi conserved hypothetical protein (1378 nt)	26	225	0
PITG_03455	Pi conserved hypothetical protein (2339 nt)	3	14	0
PITG_03456	Pi GPI ethanolamine phosphate transferase, putative (3101 nt)	23	0	0
PITG_03457	Pi conserved hypothetical protein (5820 nt)	1	16	0
PITG_03458	Pi conserved hypothetical protein (3101 nt)	3	15	0
PITG_03459	Pi COP9 signalosome complex subunit, putative (1255 nt)	3	21	0
PITG_03460	Pi seryl-tRNA synthetase (1365 nt)	21	54	0
PITG_03461	Pi conserved hypothetical protein (839 nt)	1	14	0
PITG_03462	Pi cysteine protease family C26, putative (1074 nt)	14	30	0
PITG_03463	Pi carbohydrate esterase, putative (894 nt)	33	49	2
PITG_03464	Pi aldehyde dehydrogenase, putative (4060 nt)	5	52	0
PITG_03466	Pi aldehyde dehydrogenase, putative (2196 nt)	5	50	0
PITG_03467	Pi conserved hypothetical protein (1085 nt)	6	31	0
PITG_03468	Pi endoplasmic oxidoreductin, putative (1549 nt)	18	16	0
PITG_03469	Pi conserved hypothetical protein (1248 nt)	7	16	0
PITG_03471	Pi conserved hypothetical protein (4608 nt)	3	34	0
PITG_03472	Pi callose synthase, putative (6122 nt)	13	93	0
PITG_03473	Pi callose synthase, putative (6163 nt)	9	78	0
PITG_03476	Pi conserved hypothetical protein (1247 nt)	14	29	0
PITG_03477	Pi 60S ribosomal protein L7a-2 (1307 nt)	321	538	85
PITG_03478	Pi conserved hypothetical protein (4797 nt)	3	14	0
PITG_03480	Pi conserved hypothetical protein (748 nt)	2	9	0
PITG_03482	Pi conserved hypothetical protein (2693 nt)	2	11	0
PITG_03483	Pi splicing factor U2af large subunit, putative (2239 nt)	8	37	0
PITG_03484	Pi conserved hypothetical protein (398 nt)	0	2	0
PITG_03485	Pi hypothetical protein (1088 nt)	1	0	0
PITG_03486	Pi conserved hypothetical protein (662 nt)	790	195	35
PITG_03488	Pi dynein heavy chain (13140 nt)	1	0	0
PITG_03489	Pi conserved hypothetical protein (1514 nt)	2	16	0
PITG_03490	Pi conserved hypothetical protein (1776 nt)	4	14	0
PITG_03491	Pi myosin-like protein (2468 nt)	4	16	0
PITG_03492	Pi exportin-2-like protein (3093 nt)	3	31	0
PITG_03493	Pi amidophosphoribosyltransferase (1803 nt)	4	10	0
PITG_03494	Pi conserved hypothetical protein (1327 nt)	1	0	0
PITG_03496	Pi conserved hypothetical protein (1386 nt)	2	16	0
PITG_03497	Pi separin, putative (3167 nt)	0	11	0
PITG_03498	Pi octanoyltransferase, putative (967 nt)	5	6	0
PITG_03499	Pi phosphopantothienoylcysteine decarboxylase, putative (1000 nt)	6	15	0
PITG_03500	Pi chromodomain-helicase-DNA-binding protein 1 (279 nt)	10	4	0

PITG_03501	Pi alcohol dehydrogenase, putative (3353 nt)	18	57	0
PITG_03502	Pi alcohol dehydrogenase, putative (873 nt)	0	5	0
PITG_03504	Pi conserved hypothetical protein (955 nt)	2	10	0
PITG_03505	Pi conserved hypothetical protein (3356 nt)	6	25	0
PITG_03506	Pi conserved hypothetical protein (1452 nt)	1	11	0
PITG_03513	Pi protein kinase, putative (1587 nt)	39	92	0
PITG_03514	Pi DNA ligase, putative (2916 nt)	3	13	0
PITG_03515	Pi conserved hypothetical protein (706 nt)	1	27	0
PITG_03518	Pi hypothetical protein (249 nt)	15	5	0
PITG_03519	Pi conserved hypothetical protein (1339 nt)	60	92	0
PITG_03520	Pi conserved hypothetical protein (1531 nt)	26	45	0
PITG_03521	Pi conserved hypothetical protein (987 nt)	3	6	0
PITG_03522	Pi GPI-anchor transamidase, putative (1739 nt)	5	16	0
PITG_03523	Pi general transcription factor IIH subunit, putative (16	5	10	0
PITG_03525	Pi cleavage induced serine protease family S33, putativ	4	12	0
PITG_03529	Pi conserved hypothetical protein (756 nt)	9	9	0
PITG_03530	Pi alpha-amino adipic semialdehyde synthase, putative	8	88	0
PITG_03531	Pi conserved hypothetical protein (3480 nt)	8	20	0
PITG_03532	Pi conserved hypothetical protein (2049 nt)	10	21	0
PITG_03533	Pi endo-1,3(4)-beta-glucanase, putative (1717 nt)	1	9	0
PITG_03544	Pi conserved hypothetical protein (984 nt)	33	25	0
PITG_03545	Pi conserved hypothetical protein (1213 nt)	17	41	0
PITG_03546	Pi hsp70-like protein (1825 nt)	4	24	4
PITG_03547	Pi conserved hypothetical protein (2473 nt)	3	30	0
PITG_03548	Pi nucleolar protein, putative (1579 nt)	2	10	0
PITG_03549	Pi coatomer subunit gamma, putative (3611 nt)	7	40	1
PITG_03550	Pi histone H2B (493 nt)	119	70	5
PITG_03551	Pi histone H3 (411 nt)	14	24	53
PITG_03552	Pi histone H4 (523 nt)	63	116	3
PITG_03554	Pi endo-1,3(4)-beta-glucanase, putative (2036 nt)	0	3	0
PITG_03555	Pi importin-like protein (3240 nt)	1	19	1
PITG_03556	Pi conserved hypothetical protein (1002 nt)	0	12	0
PITG_03557	Pi conserved hypothetical protein (1429 nt)	10	31	0
PITG_03558	Pi conserved hypothetical protein (1056 nt)	5	7	0
PITG_03559	Pi conserved hypothetical protein (1530 nt)	1	4	0
PITG_03560	Pi conserved hypothetical protein (12004 nt)	2	30	0
PITG_03561	Pi COP9 signalosome complex subunit 5, putative (122:	13	18	0
PITG_03562	Pi conserved hypothetical protein (3350 nt)	58	21	0
PITG_03563	Pi conserved hypothetical protein (1413 nt)	7	24	0
PITG_03564	Pi hypothetical protein (975 nt)	3	15	0
PITG_03565	Pi hypothetical protein (851 nt)	1	16	0
PITG_03566	Pi conserved hypothetical protein (1146 nt)	2	18	0
PITG_03568	Pi DEAD/DEAH box RNA helicase, putative (1945 nt)	20	142	8
PITG_03569	Pi conserved hypothetical protein (1653 nt)	4	22	0
PITG_03570	Pi conserved hypothetical protein (1365 nt)	7	8	0
PITG_03571	Pi phosphatidylinositol kinase (PIK-L3) (13852 nt)	1	20	0
PITG_03574	Pi serine/threonine-protein phosphatase 4 catalytic sul	25	126	1

PITG_03575	Pi anoctamin-like protein (2582 nt)	2	40	0
PITG_03576	Pi RNA (guanine-9-)-methyltransferase domain-contain	7	20	0
PITG_03577	Pi vacuolar protein sorting-associated protein VTA1 (15	24	195	0
PITG_03580	Pi hypothetical protein (1000 nt)	0	0	0
PITG_03582	Pi serine protease family S01B, putative (1386 nt)	9	68	0
PITG_03583	Pi putative secreted protein (462 nt)	13	359	0
PITG_03584	Pi hypothetical protein (2286 nt)	1	17	0
PITG_03585	Pi hypothetical protein (459 nt)	7	21	0
PITG_03586	Pi trafficking protein particle complex subunit, putative	23	16	0
PITG_03587	Pi Mitochondrial Protein Translocase (MPT) Family (37:	0	13	0
PITG_03588	Pi conserved hypothetical protein (481 nt)	2	34	0
PITG_03589	Pi conserved hypothetical protein (421 nt)	44	172	4
PITG_03590	Pi inositol hexakisphosphate and diphosphoinositol-pe	3	13	0
PITG_03592	Pi conserved hypothetical protein (3269 nt)	1	0	0
PITG_03593	Pi alanine aminotransferase 2 (1739 nt)	20	52	0
PITG_03594	Pi protein transporter Sec31A, putative (4482 nt)	4	40	1
PITG_03596	Pi conserved hypothetical protein (1893 nt)	51	73	0
PITG_03597	Pi alanyl-tRNA synthetase domain-containing protein 1	42	37	0
PITG_03598	Pi 6-phosphofructokinase, putative (1636 nt)	2	54	4
PITG_03599	Pi alanine aminotransferase 2 (1500 nt)	22	123	2
PITG_03600	Pi bardet-Biedl syndrome 2 protein (2234 nt)	0	2	0
PITG_03601	Pi inosine triphosphate pyrophosphatase (576 nt)	14	15	0
PITG_03603	Pi conserved hypothetical protein (647 nt)	3	37	0
PITG_03604	Pi conserved hypothetical protein (3116 nt)	6	19	0
PITG_03605	Pi 5-methylthioadenosine/S-adenosylhomocysteine de	2	10	0
PITG_03606	Pi conserved oligomeric Golgi complex subunit, putativ	5	10	0
PITG_03608	Pi serine/threonine-protein phosphatase 5 (1716 nt)	7	29	0
PITG_03609	Pi conserved hypothetical protein (3948 nt)	4	33	0
PITG_03610	Pi conserved hypothetical protein (1190 nt)	11	22	0
PITG_03611	Pi histone H2B (594 nt)	140	184	0
PITG_03612	Pi G-protein alpha subunit 1 (1608 nt)	1	10	0
PITG_03614	Pi signal recognition particle receptor subunit alpha (21	4	29	0
PITG_03616	Pi conserved hypothetical protein (789 nt)	10	91	0
PITG_03617	Pi protein kinase (2278 nt)	1	10	0
PITG_03618	Pi conserved hypothetical protein (2139 nt)	0	6	0
PITG_03620	Pi histidinol-phosphate aminotransferase, putative (18:	15	15	0
PITG_03621	Pi conserved hypothetical protein (1467 nt)	16	35	0
PITG_03623	Pi conserved hypothetical protein (2473 nt)	20	25	0
PITG_03625	Pi hypothetical protein (814 nt)	0	2	0
PITG_03627	Pi conserved hypothetical protein (1434 nt)	0	1	0
PITG_03629	Pi conserved hypothetical protein (1655 nt)	1	14	0
PITG_03630	Pi conserved hypothetical protein (1908 nt)	1	10	0
PITG_03631	Pi conserved hypothetical protein (1670 nt)	0	14	0
PITG_03632	Pi H - or Na -translocating F-type, V-type and A-type AT	277	371	22
PITG_03634	Pi nucleoside diphosphate kinase, putative (1229 nt)	0	0	0
PITG_03635	Pi conserved hypothetical protein (3743 nt)	1	10	0
PITG_03636	Pi hypothetical protein (383 nt)	18	16	0

PITG_03639	Pi cellulose binding elicitor lectin (CBEL), putative (1030 nt)	569	584	0
PITG_03641	Pi conserved hypothetical protein (1581 nt)	6	10	0
PITG_03642	Pi conserved hypothetical protein (1061 nt)	16	76	0
PITG_03643	Pi 3-phosphoinositide-dependent protein kinase, putative (1030 nt)	4	16	0
PITG_03644	Pi Rab8 family GTPase, putative (688 nt)	32	97	0
PITG_03646	Pi vacuolar protein-sorting-associated protein, putative (1030 nt)	10	28	0
PITG_03647	Pi hypothetical protein (351 nt)	11	6	0
PITG_03648	Pi hypothetical protein (919 nt)	10	13	0
PITG_03649	Pi conserved hypothetical protein (1999 nt)	1	11	0
PITG_03650	Pi conserved hypothetical protein (2458 nt)	3	16	0
PITG_03651	Pi phospholipase D, Pi-PXPH-PLD (3513 nt)	3	26	0
PITG_03652	Pi conserved hypothetical protein (2266 nt)	4	30	0
PITG_03653	Pi protein phosphatase 2 (2358 nt)	5	33	0
PITG_03655	Pi conserved hypothetical protein (1287 nt)	65	41	0
PITG_03656	Pi inosine-5'-monophosphate dehydrogenase, putative (1030 nt)	8	17	0
PITG_03657	Pi kinesin-like protein (1304 nt)	40	29	0
PITG_03658	Pi phosphoglycerate mutase, putative (1801 nt)	40	28	0
PITG_03659	Pi conserved hypothetical protein (836 nt)	14	21	0
PITG_03660	Pi 60S ribosomal protein L6, putative (1049 nt)	5	41	0
PITG_03661	Pi cysteinyl-tRNA synthetase, putative (2142 nt)	6	39	1
PITG_03662	Pi calcineurin-like phosphoesterase, putative (1941 nt)	0	13	0
PITG_03665	Pi Amino Acid-Polyamine-Organocation (APC) Family (4000 nt)	1	21	0
PITG_03669	Pi conserved hypothetical protein (1037 nt)	2	0	0
PITG_03670	Pi conserved hypothetical protein (1686 nt)	21	89	0
PITG_03672	Pi RIO kinase (1579 nt)	6	24	0
PITG_03673	Pi conserved hypothetical protein (940 nt)	2	11	0
PITG_03675	Pi DEAD/DEAH box RNA helicase, putative (1986 nt)	12	26	0
PITG_03678	Pi kynurenine-oxoglutarate transaminase, putative (1200 nt)	3	33	0
PITG_03679	Pi conserved hypothetical protein (1258 nt)	0	1	0
PITG_03682	Pi conserved hypothetical protein (567 nt)	2	18	0
PITG_03684	Pi conserved hypothetical protein (962 nt)	48	203	1
PITG_03685	Pi 2-amino-3-ketobutyrate coenzyme A ligase, mitochondrial (1030 nt)	6	109	2
PITG_03690	Pi hypothetical protein (483 nt)	0	0	0
PITG_03691	Pi conserved hypothetical protein (1602 nt)	0	0	0
PITG_03692	Pi Voltage-gated Ion Channel (VIC) Superfamily (1818 nt)	0	0	0
PITG_03694	Pi disulfide-isomerase, putative (1427 nt)	23	89	2
PITG_03695	Pi hypothetical protein (706 nt)	3212	695	0
PITG_03696	Pi conserved hypothetical protein (2958 nt)	7	25	0
PITG_03698	Pi enolase (1502 nt)	114	237	42
PITG_03700	Pi enolase (1365 nt)	103	271	57
PITG_03701	Pi kinesin-like protein (2486 nt)	2	11	0
PITG_03702	Pi conserved hypothetical protein (1477 nt)	7	16	0
PITG_03703	Pi conserved hypothetical protein (1480 nt)	13	39	0
PITG_03704	Pi conserved hypothetical protein (672 nt)	0	1	0
PITG_03707	Pi voltage-gated potassium channel subunit beta-2 (1200 nt)	0	12	0
PITG_03709	Pi conserved hypothetical protein (694 nt)	4	22	0
PITG_03710	Pi strumpellin, putative (3760 nt)	5	21	0

PITG_03711	Pi serine/threonine-protein phosphatase 2A regulatory	24	131	1
PITG_03712	Pi elongation factor 3, putative (3342 nt)	86	415	6
PITG_03715	Pi conserved hypothetical protein (1000 nt)	32	32	0
PITG_03719	Pi voltage-gated potassium channel subunit beta, putative	41	111	33
PITG_03733	Pi conserved hypothetical protein (1473 nt)	3	20	0
PITG_03734	Pi conserved hypothetical protein (2353 nt)	3	9	0
PITG_03735	Pi conserved hypothetical protein (2507 nt)	1	4	0
PITG_03736	Pi conserved hypothetical protein (2031 nt)	5	11	0
PITG_03737	Pi conserved hypothetical protein (3007 nt)	5	36	0
PITG_03738	Pi 2-isopropylmalate synthase (2027 nt)	110	101	2
PITG_03739	Pi conserved hypothetical protein (5650 nt)	0	0	0
PITG_03740	Pi P-type ATPase (P-ATPase) Superfamily (3451 nt)	4	37	0
PITG_03741	Pi conserved hypothetical protein (699 nt)	9	106	0
PITG_03742	Pi conserved hypothetical protein (909 nt)	41	394	0
PITG_03743	Pi conserved hypothetical protein (1129 nt)	10	5	0
PITG_03744	Pi conserved hypothetical protein (993 nt)	14	19	0
PITG_03748	Pi conserved hypothetical protein (3027 nt)	1	16	0
PITG_03749	Pi hypothetical protein (975 nt)	1	17	0
PITG_03750	Pi endo-1,3(4)-beta-glucanase, putative (1797 nt)	2	23	0
PITG_03751	Pi nipped-B-like protein (7782 nt)	4	9	0
PITG_03752	Pi conserved hypothetical protein (379 nt)	12	13	0
PITG_03753	Pi ubiquitin carboxyl-terminal hydrolase and/or F-box protein	14	23	0
PITG_03754	Pi protein kinase, putative (2697 nt)	12	26	0
PITG_03755	Pi aspartate aminotransferase, putative (2506 nt)	4	15	0
PITG_03756	Pi kinesin-like protein (2314 nt)	7	20	0
PITG_03757	Pi ATPase (2240 nt)	43	28	0
PITG_03759	Pi conserved hypothetical protein (1284 nt)	2	20	0
PITG_03761	Pi conserved hypothetical protein (1349 nt)	14	20	0
PITG_03762	Pi 60S ribosomal protein L38, putative (708 nt)	1198	1185	90
PITG_03763	Pi pre-mRNA-splicing factor SF2-like protein (1786 nt)	82	86	4
PITG_03764	Pi polyribonucleotide nucleotidyltransferase, putative (	0	8	0
PITG_03766	Pi conserved hypothetical protein (429 nt)	11	15	0
PITG_03767	Pi conserved hypothetical protein (4755 nt)	6	15	0
PITG_03768	Pi 50S ribosomal protein L4 (923 nt)	13	14	0
PITG_03769	Pi hypothetical protein (713 nt)	8	10	0
PITG_03772	Pi ADP-ribosylation factor-like protein (1588 nt)	3	14	0
PITG_03773	Pi protein kinase (2755 nt)	2	14	0
PITG_03774	Pi conserved hypothetical protein (3442 nt)	2	13	0
PITG_03775	Pi protein kinase, putative (2426 nt)	1	9	0
PITG_03776	Pi conserved hypothetical protein (3841 nt)	2	10	0
PITG_03777	Pi conserved hypothetical protein (2315 nt)	6	22	0
PITG_03778	Pi Poly(A) polymerase, putative (2233 nt)	10	37	0
PITG_03779	Pi anaphase-promoting complex subunit, putative (632	1	13	0
PITG_03781	Pi conserved hypothetical protein (906 nt)	15	27	0
PITG_03782	Pi conserved hypothetical protein (1064 nt)	7	25	0
PITG_03783	Pi Mitochondrial Protein Translocase (MPT) Family (251	59	96	4
PITG_03784	Pi conserved hypothetical protein (905 nt)	17	155	1

PITG_03788	Pi conserved hypothetical protein (1241 nt)	10	93	0
PITG_03789	Pi conserved hypothetical protein (7113 nt)	1	17	0
PITG_03790	Pi conserved hypothetical protein (1198 nt)	8	20	0
PITG_03791	Pi splicing factor, arginine/serine-rich, putative (1259 n	2	8	0
PITG_03792	Pi 2,3-bisphosphoglycerate-independent phosphoglyce	11	36	0
PITG_03795	Pi conserved hypothetical protein (707 nt)	24	28	0
PITG_03796	Pi conserved hypothetical protein (766 nt)	14	34	1
PITG_03797	Pi conserved hypothetical protein (420 nt)	0	4	0
PITG_03799	Pi eukaryotic initiation factor 4E, putative (1543 nt)	14	33	1
PITG_03800	Pi conserved hypothetical protein (644 nt)	1	21	0
PITG_03801	Pi conserved hypothetical protein (1398 nt)	12	46	0
PITG_03802	Pi eukaryotic translation initiation factor 6 (934 nt)	22	147	1
PITG_03803	Pi conserved hypothetical protein (2148 nt)	2	15	0
PITG_03804	Pi myosin-like protein (4796 nt)	12	49	0
PITG_03806	Pi aspartyl-tRNA synthetase, putative (1582 nt)	8	18	0
PITG_03811	Pi protein kinase (892 nt)	25	275	0
PITG_03813	Pi tripeptidyl-peptidase, putative (2252 nt)	1	11	0
PITG_03814	Pi D-cysteine desulhydrase, putative (1482 nt)	9	49	0
PITG_03815	Pi FAD-dependent oxidoreductase domain-containing p	25	12	0
PITG_03818	Pi U3 small nucleolar RNA-associated protein, putative	7	7	0
PITG_03819	Pi 26S proteasome non-ATPase regulatory subunit, put	3	78	0
PITG_03820	Pi conserved hypothetical protein (797 nt)	2	9	0
PITG_03821	Pi conserved hypothetical protein (3044 nt)	9	29	0
PITG_03822	Pi conserved hypothetical protein (1792 nt)	7	66	0
PITG_03823	Pi conserved hypothetical protein (922 nt)	1	7	0
PITG_03824	Pi conserved hypothetical protein (672 nt)	5	32	0
PITG_03825	Pi myosin-like protein (2036 nt)	2	26	0
PITG_03826	Pi conserved hypothetical protein (950 nt)	6	17	0
PITG_03827	Pi conserved hypothetical protein (1240 nt)	5	17	0
PITG_03828	Pi conserved hypothetical protein (1679 nt)	46	94	0
PITG_03829	Pi conserved hypothetical protein (2808 nt)	5	30	0
PITG_03830	Pi 3'5'-cyclic nucleotide phosphodiesterase, putative (3	72	108	0
PITG_03831	Pi conserved hypothetical protein (2000 nt)	3	10	0
PITG_03832	Pi mitochondrial Rho GTPase, putative (2358 nt)	15	29	0
PITG_03833	Pi diacylglycerol O-acyltransferase, putative (2409 nt)	2	4	0
PITG_03836	Pi conserved hypothetical protein (1754 nt)	2	25	0
PITG_03837	Pi metalloprotease family M01, putative (2129 nt)	2	15	0
PITG_03839	Pi conserved hypothetical protein (777 nt)	12	13	0
PITG_03840	Pi endomembrane protein 70-like protein, putative (30	1	10	0
PITG_03841	Pi endomembrane protein 70-like protein, putative (19	2	18	0
PITG_03842	Pi conserved hypothetical protein (4143 nt)	1	30	0
PITG_03843	Pi conserved hypothetical protein (1253 nt)	39	137	4
PITG_03844	Pi conserved hypothetical protein (1746 nt)	2	12	0
PITG_03845	Pi conserved hypothetical protein (5129 nt)	0	11	0
PITG_03846	Pi conserved hypothetical protein (1944 nt)	5	37	0
PITG_03850	Pi conserved hypothetical protein (2685 nt)	25	95	0
PITG_03851	Pi conserved hypothetical protein (1389 nt)	1	1	0

PITG_03852	Pi Mitochondrial Protein Translocase (MPT) Family (72!	8	33	0
PITG_03854	Pi conserved hypothetical protein (1062 nt)	2	9	0
PITG_03855	Pi DNA-directed RNA polymerase I subunit RPA1, putat	2	12	0
PITG_03856	Pi peptidyl-prolyl cis-trans isomerase, putative (1789 nt)	40	238	18
PITG_03859	Pi conserved hypothetical protein (1775 nt)	0	1	0
PITG_03860	Pi HECT E3 ubiquitin ligase, putative (15735 nt)	2	32	0
PITG_03862	Pi conserved hypothetical protein (360 nt)	35	36	0
PITG_03863	Pi conserved hypothetical protein (2538 nt)	3	17	0
PITG_03864	Pi myotubularin-like protein (4123 nt)	10	48	0
PITG_03865	Pi conserved hypothetical protein (1392 nt)	16	29	0
PITG_03866	Pi hypothetical protein (1045 nt)	2	0	0
PITG_03869	Pi hypothetical protein (708 nt)	0	1	0
PITG_03871	Pi conserved hypothetical protein (1305 nt)	3	14	0
PITG_03872	Pi kinesin-like protein (2811 nt)	8	23	0
PITG_03873	Pi rab GDP dissociation inhibitor alpha (1530 nt)	16	83	4
PITG_03874	Pi actin-like protein (1385 nt)	12	18	0
PITG_03875	Pi sporangia induced hypothetical protein (527 nt)	3	4	0
PITG_03876	Pi U3 small nucleolar RNA-interacting protein, putative	5	4	0
PITG_03877	Pi conserved hypothetical protein (1680 nt)	1	18	0
PITG_03878	Pi dynein intermediate chain 2 (2326 nt)	2	21	0
PITG_03879	Pi conserved hypothetical protein (8263 nt)	0	11	0
PITG_03881	Pi histone H2A (420 nt)	142	172	0
PITG_03882	Pi histone H2A type 1 (529 nt)	157	122	0
PITG_03885	Pi conserved hypothetical protein (2598 nt)	1	10	0
PITG_03886	Pi equilibrative Nucleoside Transporter (ENT) family (1!	2	11	0
PITG_03887	Pi conserved hypothetical protein (1367 nt)	13	17	0
PITG_03888	Pi conserved hypothetical protein (886 nt)	21	37	0
PITG_03890	Pi conserved hypothetical protein (3515 nt)	0	6	0
PITG_03891	Pi conserved hypothetical protein (1556 nt)	1	18	0
PITG_03892	Pi conserved hypothetical protein (2067 nt)	2	16	0
PITG_03897	Pi conserved hypothetical protein (740 nt)	33	100	3
PITG_03898	Pi serine protease family S01B, putative (1839 nt)	12	15	0
PITG_03899	Pi conserved hypothetical protein (2889 nt)	1	12	0
PITG_03900	Pi conserved hypothetical protein (1014 nt)	29	104	2
PITG_03901	Pi serine/threonine protein kinase (2295 nt)	4	21	0
PITG_03902	Pi conserved hypothetical protein (3060 nt)	5	19	0
PITG_03903	Pi conserved hypothetical protein (4364 nt)	2	22	0
PITG_03906	Pi Type II (General) Secretory Pathway (IISP) Family (16	41	79	3
PITG_03909	Pi thioredoxin-like protein (2815 nt)	5	21	0
PITG_03911	Pi thioredoxin-like protein (1317 nt)	6	36	0
PITG_03915	Pi glutamyl-tRNA(Gln) amidotransferase subunit, putat	6	11	0
PITG_03916	Pi ribosomal protein L28, putative (772 nt)	703	723	55
PITG_03919	Pi ribokinase, putative (1104 nt)	4	15	0
PITG_03923	Pi conserved hypothetical protein (491 nt)	0	183	0
PITG_03924	Pi alcohol dehydrogenase, putative (1236 nt)	11	87	0
PITG_03925	Pi hypothetical protein (699 nt)	12	13	0
PITG_03926	Pi conserved hypothetical protein (816 nt)	0	1	0

PITG_03927	Pi conserved hypothetical protein (1626 nt)	6	14	0
PITG_03929	Pi conserved hypothetical protein (1643 nt)	5	23	0
PITG_03930	Pi zinc phosphodiesterase, putative (2918 nt)	0	3	0
PITG_03931	Pi conserved hypothetical protein (480 nt)	1	5	0
PITG_03932	Pi conserved hypothetical protein (1226 nt)	11	17	0
PITG_03933	Pi CTD small phosphatase-like protein, putative (1269 r	20	38	0
PITG_03934	Pi protein kinase, putative (2694 nt)	6	32	0
PITG_03936	Pi ras protein let-60 (1206 nt)	78	205	0
PITG_03937	Pi conserved hypothetical protein (812 nt)	8	12	0
PITG_03938	Pi conserved hypothetical protein (2364 nt)	11	24	0
PITG_03939	Pi conserved hypothetical protein (1931 nt)	16	29	0
PITG_03940	Pi conserved hypothetical protein (773 nt)	16	18	0
PITG_03941	Pi conserved hypothetical protein (2328 nt)	0	1	0
PITG_03942	Pi plectin-like protein (4600 nt)	18	4	0
PITG_03943	Pi conserved hypothetical protein (672 nt)	6	4	0
PITG_03944	Pi conserved hypothetical protein (4045 nt)	1	30	0
PITG_03946	Pi conserved hypothetical protein (1718 nt)	17	34	0
PITG_03947	Pi conserved hypothetical protein (1666 nt)	13	18	0
PITG_03948	Pi tubby-like protein (2140 nt)	1	3	0
PITG_03951	Pi conserved hypothetical protein (921 nt)	3	11	0
PITG_03952	Pi conserved hypothetical protein (906 nt)	18	22	0
PITG_03954	Pi conserved hypothetical protein (995 nt)	2	11	0
PITG_03955	Pi U3 small nucleolar RNA-associated protein, putative	2	4	0
PITG_03956	Pi conserved hypothetical protein (963 nt)	9	18	2
PITG_03957	Pi conserved hypothetical protein (2017 nt)	1	13	0
PITG_03958	Pi hypothetical protein (337 nt)	18	30	0
PITG_03959	Pi conserved hypothetical protein (3276 nt)	1	19	0
PITG_03960	Pi conserved hypothetical protein (1106 nt)	1	5	0
PITG_03961	Pi conserved hypothetical protein (1104 nt)	0	3	0
PITG_03965	Pi transmembrane protein, putative (1919 nt)	8	14	0
PITG_03966	Pi NhaC Na :H Antiporter (NhaC) Family (2306 nt)	4	11	0
PITG_03967	Pi conserved hypothetical protein (937 nt)	4	17	0
PITG_03970	Pi conserved hypothetical protein (843 nt)	1	13	0
PITG_03971	Pi acetyltransferase (GNAT) family, putative (541 nt)	31	57	0
PITG_03972	Pi acetyltransferase (GNAT) family, putative (453 nt)	6	14	0
PITG_03973	Pi conserved hypothetical protein (4616 nt)	1	13	0
PITG_03974	Pi conserved hypothetical protein (1086 nt)	0	0	0
PITG_03975	Pi conserved hypothetical protein (1161 nt)	2	6	0
PITG_03978	Pi transcription initiation factor TFIID subunit 6, putativ	9	9	0
PITG_03979	Pi conserved hypothetical protein (1152 nt)	1	1	0
PITG_03980	Pi conserved hypothetical protein (1897 nt)	2	9	0
PITG_03986	Pi bardet-Biedl syndrome 1 family protein (2368 nt)	0	2	0
PITG_03987	Pi DEAD/DEAH box RNA helicase, putative (7605 nt)	4	16	0
PITG_03988	Pi conserved hypothetical protein (2026 nt)	38	31	0
PITG_03989	Pi conserved hypothetical protein (1648 nt)	4	18	0
PITG_03990	Pi conserved hypothetical protein (1403 nt)	8	41	0
PITG_03991	Pi hypothetical protein (303 nt)	2	10	0

PITG_03992	Pi ribulose-phosphate 3-epimerase (753 nt)	0	12	0
PITG_03993	Pi eukaryotic translation initiation factor 3 subunit H, p	5	20	0
PITG_03995	Pi ATP-dependent DNA helicase, putative (1613 nt)	118	24	0
PITG_03996	Pi conserved hypothetical protein (662 nt)	7	5	0
PITG_03997	Pi conserved hypothetical protein (2059 nt)	8	8	0
PITG_03998	Pi conserved hypothetical protein (7252 nt)	0	4	0
PITG_03999	Pi eukaryotic initiation factor 4E, putative (1175 nt)	3	11	0
PITG_04000	Pi angio-associated migratory cell protein (1737 nt)	15	53	0
PITG_04001	Pi peptidase family U48, putative (1432 nt)	13	9	0
PITG_04002	Pi conserved hypothetical protein (3380 nt)	22	62	0
PITG_04003	Pi conserved hypothetical protein (19526 nt)	0	17	0
PITG_04006	Pi conserved hypothetical protein (3031 nt)	4	38	1
PITG_04010	Pi APS kinase/ATP sulfurylase/pyrophosphatase fusion	17	158	0
PITG_04011	Pi tetraacyldisaccharide 4'-kinase, putative (1161 nt)	9	52	0
PITG_04012	Pi elongator complex protein, putative (1256 nt)	0	13	0
PITG_04020	Pi hypothetical protein (575 nt)	43	3	0
PITG_04022	Pi conserved hypothetical protein (1818 nt)	7	17	0
PITG_04023	Pi conserved hypothetical protein (1584 nt)	10	33	0
PITG_04028	Pi conserved hypothetical protein (2175 nt)	3	11	0
PITG_04030	Pi hypothetical protein (411 nt)	2	23	0
PITG_04032	Pi conserved hypothetical protein (789 nt)	0	5	0
PITG_04034	Pi SUMO protease, putative (3312 nt)	32	38	0
PITG_04038	Pi conserved hypothetical protein (1405 nt)	5	19	0
PITG_04041	Pi conserved hypothetical protein (458 nt)	101	74	1
PITG_04043	Pi conserved hypothetical protein (1359 nt)	22	113	0
PITG_04044	Pi conserved hypothetical protein (594 nt)	1	19	0
PITG_04047	Pi hypothetical protein (740 nt)	5	83	0
PITG_04048	Pi conserved hypothetical protein (1554 nt)	4	104	0
PITG_04049	Pi secreted RxLR effector peptide, putative (474 nt)	0	0	1
PITG_04053	Pi conserved hypothetical protein (670 nt)	1	17	0
PITG_04057	Pi conserved hypothetical protein (1083 nt)	1	13	0
PITG_04059	Pi conserved hypothetical protein (1231 nt)	2	11	0
PITG_04065	Pi glycerol-3-phosphate dehydrogenase (1038 nt)	23	112	3
PITG_04067	Pi conserved hypothetical protein (985 nt)	9	56	0
PITG_04071	Pi putative extracellular dioxygenase (1131 nt)	0	0	0
PITG_04074	Pi secreted RxLR effector peptide, putative (528 nt)	9	6	0
PITG_04075	Pi sporangia induced hypothetical protein (496 nt)	0	0	0
PITG_04076	Pi conserved hypothetical protein (714 nt)	48	11	0
PITG_04077	Pi carbohydrate esterase, putative (699 nt)	4	0	0
PITG_04078	Pi Rab5 family GTPase, putative (745 nt)	120	242	0
PITG_04079	Pi hypothetical protein (673 nt)	8	2	0
PITG_04102	Pi conserved hypothetical protein (1084 nt)	2	9	0
PITG_04104	Pi conserved hypothetical protein (3886 nt)	6	31	0
PITG_04105	Pi conserved hypothetical protein (1224 nt)	1	15	0
PITG_04108	Pi conserved hypothetical protein (1432 nt)	51	77	0
PITG_04111	Pi conserved hypothetical protein (763 nt)	2	17	0
PITG_04112	Pi transmembrane protein, putative (4285 nt)	0	1	0

PITG_04113	Pi conserved hypothetical protein (1646 nt)	10	14	0
PITG_04114	Pi small cellulose binding protein, putative (512 nt)	8	21	0
PITG_04115	Pi conserved hypothetical protein (2899 nt)	2	22	0
PITG_04121	Pi sorbitol dehydrogenase, putative (1080 nt)	30	132	0
PITG_04124	Pi glycoside hydrolase, putative (860 nt)	2	49	0
PITG_04125	Pi glycosyl transferase, putative (1548 nt)	38	635	14
PITG_04129	Pi cobalamin synthesis protein, putative (1680 nt)	0	0	0
PITG_04130	Pi cobalamin synthesis protein, putative (1715 nt)	0	0	0
PITG_04131	Pi glycoside hydrolase, putative (2221 nt)	9	309	0
PITG_04132	Pi conserved hypothetical protein (1047 nt)	2	28	0
PITG_04133	Pi conserved hypothetical protein (2291 nt)	9	40	0
PITG_04134	Pi conserved hypothetical protein (1923 nt)	10	57	0
PITG_04135	Pi glycoside hydrolase, putative (864 nt)	0	3	6
PITG_04136	Pi conserved hypothetical protein (1644 nt)	0	14	0
PITG_04156	Pi conserved hypothetical protein (1998 nt)	0	20	0
PITG_04158	Pi glycoside hydrolase, putative (897 nt)	5	55	0
PITG_04174	Pi hypothetical protein (696 nt)	9	18	0
PITG_04175	Pi conserved hypothetical protein (1903 nt)	5	33	0
PITG_04179	Pi condensin-2 complex subunit H2, putative (2172 nt)	3	33	0
PITG_04180	Pi conserved hypothetical protein (1175 nt)	2	16	0
PITG_04181	Pi conserved hypothetical protein (1755 nt)	15	45	0
PITG_04184	Pi conserved hypothetical protein (1851 nt)	67	9	0
PITG_04185	Pi histone-lysine N-methyltransferase, putative (7129 r	0	15	0
PITG_04204	Pi geranylgeranyl transferase type-2 subunit alpha, put	0	20	0
PITG_04211	Pi conserved hypothetical protein (464 nt)	10	34	0
PITG_04215	Pi conserved hypothetical protein (2212 nt)	10	6	0
PITG_04225	Pi geranylgeranyl transferase type-2 subunit alpha, put	16	41	0
PITG_04226	Pi geranylgeranyl transferase type-2 subunit alpha, put	4	23	0
PITG_04227	Pi conserved hypothetical protein (917 nt)	18	43	0
PITG_04229	Pi conserved hypothetical protein (711 nt)	21	73	0
PITG_04230	Pi conserved hypothetical protein (970 nt)	2	20	0
PITG_04231	Pi conserved hypothetical protein (1248 nt)	1	1	0
PITG_04232	Pi conserved hypothetical protein (1917 nt)	5	31	0
PITG_04242	Pi phosphatase PTC7 family protein (2126 nt)	5	25	0
PITG_04243	Pi conserved hypothetical protein (932 nt)	21	39	0
PITG_04248	Pi NPP1-like protein (760 nt)	14	0	0
PITG_04255	Pi glucosylceramidase, putative (1623 nt)	0	60	0
PITG_04261	Pi ATP-binding Cassette (ABC) Superfamily (2690 nt)	3	31	0
PITG_04262	Pi cysteine protease family C59, putative (1473 nt)	5	23	0
PITG_04270	Pi sulfatase-like protein (2505 nt)	3	79	0
PITG_04281	Pi Cleavage induced conserved protein (432 nt)	1	0	0
PITG_04283	Pi conserved hypothetical protein (3545 nt)	8	39	0
PITG_04288	Pi conserved hypothetical protein (835 nt)	0	15	0
PITG_04289	Pi ATP-binding Cassette (ABC) Superfamily (3689 nt)	1	25	0
PITG_04295	Pi ATP-binding Cassette (ABC) Superfamily (1872 nt)	2	1	0
PITG_04296	Pi ATP-binding Cassette (ABC) Superfamily (1896 nt)	1	3	0
PITG_04310	Pi hypothetical protein (484 nt)	7	13	0

PITG_04317 | Pi Major Facilitator Superfamily (MFS) (1527 nt)	1	0	0
PITG_04318 | Pi conserved hypothetical protein (1698 nt)	0	23	0
PITG_04320 | Pi Major Facilitator Superfamily (MFS) (1530 nt)	0	0	0
PITG_04321 | Pi conserved hypothetical protein (1065 nt)	3	103	0
PITG_04324 | Pi conserved hypothetical protein (1751 nt)	0	2	0
PITG_04325 | Pi pectinesterase, putative (1053 nt)	9	0	2
PITG_04333 | Pi 3-oxo-5-alpha-steroid 4-dehydrogenase, putative (97	7	14	1
PITG_04334 | Pi conserved hypothetical protein (1221 nt)	5	7	0
PITG_04335 | Pi AP-2 complex subunit alpha, putative (3043 nt)	0	1	0
PITG_04336 | Pi conserved hypothetical protein (999 nt)	6	14	0
PITG_04337 | Pi conserved hypothetical protein (480 nt)	32	38	1
PITG_04339 | Pi secreted RxLR effector peptide, putative (723 nt)	1	10	0
PITG_04341 | Pi transmembrane protein, putative (1410 nt)	0	0	0
PITG_04342 | Pi conserved hypothetical protein (1914 nt)	8	46	0
PITG_04344 | Pi protein kinase (3400 nt)	2	11	0
PITG_04345 | Pi hypothetical protein (735 nt)	4	11	0
PITG_04348 | Pi conserved hypothetical protein (3299 nt)	1	11	0
PITG_04352 | Pi conserved hypothetical protein (3282 nt)	1	10	0
PITG_04359 | Pi conserved hypothetical protein (1065 nt)	3	9	0
PITG_04365 | Pi cysteine protease family C48, putative (613 nt)	61	89	0
PITG_04372 | Pi conserved hypothetical protein (610 nt)	14	55	1
PITG_04373 | Pi secreted RxLR effector peptide, putative (426 nt)	49	366	1
PITG_04375 | Pi conserved hypothetical protein (805 nt)	11	118	0
PITG_04376 | Pi conserved hypothetical protein (2040 nt)	8	150	1
PITG_04377 | Pi conserved hypothetical protein (2048 nt)	0	14	0
PITG_04378 | Pi elicitor-like protein (723 nt)	195	465	0
PITG_04379 | Pi putative GPI-anchored serine-rich hypothetical prote	4	44	0
PITG_04380 | Pi hypothetical protein (740 nt)	35	100	0
PITG_04381 | Pi conserved hypothetical protein (631 nt)	4	19	0
PITG_04382 | Pi 50S ribosomal protein L27 (478 nt)	12	43	1
PITG_04384 | Pi ribosome biogenesis regulatory protein (970 nt)	25	51	0
PITG_04385 | Pi putative GPI-anchored acidic serine-threonine rich H	0	27	2
PITG_04390 | Pi hypothetical protein (455 nt)	0	12	0
PITG_04391 | Pi conserved hypothetical protein (1107 nt)	13	34	1
PITG_04392 | Pi conserved hypothetical protein (2196 nt)	4	6	0
PITG_04393 | Pi tubulin polyglutamylase, putative (1809 nt)	3	3	0
PITG_04394 | Pi conserved hypothetical protein (732 nt)	6	73	0
PITG_04395 | Pi pre-mRNA-processing protein, putative (2063 nt)	14	36	0
PITG_04396 | Pi conserved hypothetical protein (552 nt)	8	102	0
PITG_04398 | Pi Amino Acid/Auxin Permease (AAAP) Family (1608 nt)	5	53	2
PITG_04399 | Pi Amino Acid/Auxin Permease (AAAP) Family (1010 nt)	0	20	0
PITG_04401 | Pi conserved hypothetical protein (615 nt)	8	72	0
PITG_04403 | Pi hypothetical protein (796 nt)	12	30	0
PITG_04405 | Pi conserved hypothetical protein (1606 nt)	7	38	0
PITG_04421 | Pi protein kinase (1613 nt)	9	26	0
PITG_04424 | Pi SNARE associated Golgi protein, putative (918 nt)	13	27	0
PITG_04425 | Pi ubiquitin-conjugating enzyme E2, putative (785 nt)	76	81	0

PITG_04426	Pi DNA polymerase alpha-associated DNA helicase A, p	3	14	0
PITG_04427	Pi conserved hypothetical protein (1462 nt)	21	66	0
PITG_04428	Pi conserved hypothetical protein (1092 nt)	3	10	0
PITG_04435	Pi Crinkler (CRN) family protein (2520 nt)	37	30	0
PITG_04439	Pi hypothetical protein (2797 nt)	1	24	0
PITG_04441	Pi 3-isopropylmalate dehydrogenase (1392 nt)	4	11	1
PITG_04442	Pi conserved hypothetical protein (417 nt)	16	7	0
PITG_04443	Pi Metal Ion (Mn2 -iron) Transporter (Nramp) Family (1	4	12	0
PITG_04445	Pi conserved hypothetical protein (1692 nt)	1	0	0
PITG_04447	Pi conserved hypothetical protein (2249 nt)	0	0	2
PITG_04450	Pi Zinc (Zn2)-Iron (Fe2) Permease (ZIP) Family (1794 n	0	0	0
PITG_04453	Pi conserved hypothetical protein (1413 nt)	4	12	0
PITG_04454	Pi sporangia induced hypothetical protein (1319 nt)	0	0	0
PITG_04456	Pi hypothetical protein (1641 nt)	0	1	0
PITG_04457	Pi tripeptidyl-peptidase, putative (4697 nt)	1	30	0
PITG_04458	Pi protein kinase (1568 nt)	2	25	0
PITG_04464	Pi conserved hypothetical protein (949 nt)	0	0	0
PITG_04466	Pi cystathionine gamma-synthase, putative (1575 nt)	3	13	0
PITG_04467	Pi conserved hypothetical protein (870 nt)	3	2	0
PITG_04468	Pi Mitochondrial Carrier (MC) Family (882 nt)	17	15	0
PITG_04470	Pi Argonaute1 (AGO1) (2784 nt)	20	262	3
PITG_04471	Pi Argonaute2 (AGO2) (2784 nt)	7	85	0
PITG_04474	Pi conserved hypothetical protein (1138 nt)	1	14	0
PITG_04475	Pi hypothetical protein (1193 nt)	5	8	0
PITG_04478	Pi protein kinase (1275 nt)	16	95	0
PITG_04479	Pi conserved hypothetical protein (1170 nt)	7	13	0
PITG_04480	Pi conserved hypothetical protein (883 nt)	1	2	0
PITG_04481	Pi conserved hypothetical protein (943 nt)	26	17	1
PITG_04482	Pi Drug/Metabolite Transporter (DMT) Superfamily (93	4	16	0
PITG_04483	Pi conserved hypothetical protein (2088 nt)	9	152	0
PITG_04485	Pi conserved hypothetical protein (6206 nt)	1	30	0
PITG_04486	Pi conserved hypothetical protein (537 nt)	2	16	0
PITG_04487	Pi conserved hypothetical protein (596 nt)	61	130	4
PITG_04489	Pi peroxisome assembly factor, putative (2828 nt)	1	15	0
PITG_04490	Pi conserved hypothetical protein (872 nt)	0	2	0
PITG_04497	Pi conserved hypothetical protein (3049 nt)	8	25	0
PITG_04499	Pi histone deacetylase, putative (1602 nt)	3	22	0
PITG_04500	Pi nucleosome assembly protein 1 (1225 nt)	11	82	3
PITG_04501	Pi hypothetical protein (338 nt)	5	180	0
PITG_04505	Pi transmembrane protein, putative (1852 nt)	18	88	0
PITG_04506	Pi protein kinase (1653 nt)	4	36	0
PITG_04508	Pi conserved hypothetical protein (3456 nt)	4	26	0
PITG_04509	Pi conserved hypothetical protein (2121 nt)	10	9	0
PITG_04511	Pi conserved hypothetical protein (1507 nt)	1	10	0
PITG_04512	Pi conserved hypothetical protein (1076 nt)	5	11	0
PITG_04513	Pi RIB72 protein (1656 nt)	0	2	0
PITG_04521	Pi conserved hypothetical protein (1795 nt)	0	85	0

PITG_04522	Pi peptidyl-prolyl cis-trans isomerase (683 nt)	239	787	134
PITG_04523	Pi conserved hypothetical protein (2736 nt)	1	13	0
PITG_04524	Pi conserved hypothetical protein (473 nt)	0	33	0
PITG_04525	Pi conserved hypothetical protein (982 nt)	3	147	0
PITG_04527	Pi DNA replication licensing factor mcm4, putative (312 nt)	1	11	0
PITG_04529	Pi formin-homology 2 domain-containing protein (5847 nt)	0	14	0
PITG_04530	Pi conserved hypothetical protein (1065 nt)	69	181	1
PITG_04532	Pi conserved hypothetical protein (1101 nt)	4	22	0
PITG_04533	Pi conserved hypothetical protein (1683 nt)	2	24	0
PITG_04534	Pi vacuolar protein sorting-associated protein 28 (917 nt)	33	42	0
PITG_04535	Pi nuclear LIM factor interactor-interacting protein hyp	6	31	0
PITG_04536	Pi conserved hypothetical protein (1351 nt)	1	2	0
PITG_04538	Pi splicing factor 3 subunit, putative (2042 nt)	4	55	0
PITG_04539	Pi conserved hypothetical protein (1156 nt)	22	42	0
PITG_04545	Pi conserved hypothetical protein (1505 nt)	3	26	0
PITG_04546	Pi conserved hypothetical protein (864 nt)	2	9	0
PITG_04547	Pi conserved hypothetical protein (3742 nt)	3	36	0
PITG_04549	Pi Ferroportin (FP) Family (1725 nt)	0	16	0
PITG_04552	Pi conserved hypothetical protein (991 nt)	9	42	0
PITG_04553	Pi conserved hypothetical protein (2658 nt)	3	21	0
PITG_04554	Pi conserved hypothetical protein (862 nt)	2	17	0
PITG_04555	Pi hypothetical protein (948 nt)	10	27	0
PITG_04558	Pi hypothetical protein (2958 nt)	1	0	0
PITG_04560	Pi conserved hypothetical protein (1001 nt)	5	39	0
PITG_04561	Pi conserved hypothetical protein (1419 nt)	4	11	0
PITG_04562	Pi mucin, putative (11178 nt)	2	28	0
PITG_04564	Pi conserved hypothetical protein (4350 nt)	6	37	0
PITG_04566	Pi hypothetical protein (132 nt)	21	75	0
PITG_04567	Pi conserved hypothetical protein (885 nt)	6	45	0
PITG_04568	Pi protein kinase (2281 nt)	12	60	0
PITG_04569	Pi conserved hypothetical protein (3737 nt)	8	11	0
PITG_04570	Pi conserved hypothetical protein (1599 nt)	18	72	0
PITG_04571	Pi conserved hypothetical protein (802 nt)	2	5	0
PITG_04572	Pi conserved hypothetical protein (1193 nt)	3	33	0
PITG_04575	Pi conserved hypothetical protein (1882 nt)	1	18	0
PITG_04576	Pi conserved hypothetical protein (528 nt)	7	15	0
PITG_04577	Pi conserved hypothetical protein (2403 nt)	12	12	0
PITG_04579	Pi conserved hypothetical protein (2495 nt)	5	15	0
PITG_04582	Pi conserved hypothetical protein (2387 nt)	1	25	0
PITG_04584	Pi conserved hypothetical protein (1664 nt)	30	4	0
PITG_04588	Pi Amino Acid/Auxin Permease (AAP) Family (1551 nt)	2	18	0
PITG_04589	Pi protein kinase (1190 nt)	2	23	0
PITG_04590	Pi conserved hypothetical protein (1771 nt)	11	70	0
PITG_04591	Pi protein kinase (1318 nt)	21	37	0
PITG_04593	Pi conserved hypothetical protein (1849 nt)	3	11	0
PITG_04594	Pi aspartyl-tRNA synthetase, putative (1215 nt)	9	9	0
PITG_04596	Pi hypothetical protein (3211 nt)	19	27	0

PITG_04599 | Pi sestrin-like protein (1761 nt)	8	62	0
PITG_04600 | Pi conserved hypothetical protein (1983 nt)	10	22	0
PITG_04601 | Pi phosphoadenosine phosphosulfate reductase (1647	6	30	0
PITG_04603 | Pi conserved hypothetical protein (7600 nt)	11	48	0
PITG_04608 | Pi conserved hypothetical protein (2467 nt)	3	20	0
PITG_04609 | Pi hypothetical protein (-4T49) (529 nt)	6	44	0
PITG_04610 | Pi dolichyl-diphosphooligosaccharide-protein glycosyltr	1	11	0
PITG_04611 | Pi protein kinase (1116 nt)	29	100	0
PITG_04612 | Pi conserved hypothetical protein (2820 nt)	6	38	0
PITG_04614 | Pi DNA ligase, putative (1649 nt)	2	24	0
PITG_04615 | Pi glucan 1,3-beta-glucosidase, putative (1681 nt)	1	38	0
PITG_04618 | Pi trimethyllysine dioxygenase, putative (1540 nt)	13	47	0
PITG_04619 | Pi protein kinase (3108 nt)	4	13	0
PITG_04626 | Pi Amino Acid/Auxin Permease (AAAP) Family (1323 nt	4	15	0
PITG_04627 | Pi myosin-like protein (1315 nt)	3	26	0
PITG_04628 | Pi conserved hypothetical protein (1167 nt)	2	7	0
PITG_04629 | Pi conserved hypothetical protein (1137 nt)	2	17	0
PITG_04631 | Pi conserved hypothetical protein (1040 nt)	6	6	0
PITG_04634 | Pi conserved hypothetical protein (3590 nt)	2	2	0
PITG_04638 | Pi conserved hypothetical protein (1703 nt)	3	14	0
PITG_04639 | Pi conserved hypothetical protein (1213 nt)	0	2	0
PITG_04640 | Pi translation elongation factor 1-alpha, putative (1448	113	534	254
PITG_04641 | Pi conserved hypothetical protein (1368 nt)	1	13	0
PITG_04643 | Pi conserved hypothetical protein (1093 nt)	7	13	0
PITG_04644 | Pi mRNA cap guanine-N7 methyltransferase, putative (	1	18	0
PITG_04645 | Pi conserved hypothetical protein (922 nt)	13	22	0
PITG_04646 | Pi ATP-binding Cassette (ABC) Superfamily (2265 nt)	4	10	0
PITG_04647 | Pi conserved hypothetical protein (1327 nt)	4	42	0
PITG_04648 | Pi conserved hypothetical protein (1624 nt)	2	27	0
PITG_04650 | Pi conserved hypothetical protein (856 nt)	2	5	0
PITG_04651 | Pi exportin-like protein (4306 nt)	4	29	0
PITG_04658 | Pi methylcrotonoyl-CoA carboxylase subunit alpha, put	12	42	0
PITG_04661 | Pi L-aminoadipate-semialdehyde dehydrogenase large	4	26	0
PITG_04662 | Pi conserved hypothetical protein (1364 nt)	35	65	1
PITG_04663 | Pi conserved hypothetical protein (2069 nt)	26	69	0
PITG_04664 | Pi conserved hypothetical protein (1586 nt)	4	10	0
PITG_04665 | Pi ribose-5-phosphate isomerase (857 nt)	25	18	0
PITG_04666 | Pi conserved hypothetical protein (1826 nt)	10	20	0
PITG_04670 | Pi conserved hypothetical protein (2953 nt)	3	12	0
PITG_04671 | Pi conserved hypothetical protein (981 nt)	16	8	0
PITG_04674 | Pi conserved hypothetical protein (1407 nt)	3	9	0
PITG_04676 | Pi conserved hypothetical protein (795 nt)	10	17	0
PITG_04677 | Pi protein kinase (1359 nt)	0	23	0
PITG_04678 | Pi phosphatidylinositol-3,4,5-trisphosphate 3-phosphat	62	6	0
PITG_04679 | Pi conserved hypothetical protein (796 nt)	17	5	0
PITG_04680 | Pi phosphoinositol transporter (2048 nt)	6	40	0
PITG_04681 | Pi serine/threonine-protein phosphatase PP1-gamma c	93	315	6

PITG_04682	Pi protein kinase, putative (2628 nt)	14	80	0
PITG_04683	Pi bifunctional fold protein (897 nt)	4	12	0
PITG_04685	Pi hypothetical protein (1441 nt)	4	93	0
PITG_04687	Pi hypothetical protein (1162 nt)	2	0	9
PITG_04690	Pi pyridine nucleotide-disulphide oxidoreductase, puta	449	236	1
PITG_04691	Pi pyridine nucleotide-disulphide oxidoreductase, puta	4	11	0
PITG_04695	Pi conserved hypothetical protein (1557 nt)	3	14	0
PITG_04697	Pi conserved hypothetical protein (2515 nt)	0	0	0
PITG_04698	Pi arginine biosynthesis bifunctional protein argJ, putat	65	73	2
PITG_04699	Pi conserved hypothetical protein (489 nt)	4	15	0
PITG_04700	Pi Transient Receptor Potential Ca ²⁺ Channel (TRP-CC) I	3	29	0
PITG_04701	Pi cleavage induced conserved hypothetical protein (22	4	22	0
PITG_04702	Pi conserved hypothetical protein (677 nt)	22	26	0
PITG_04703	Pi conserved hypothetical protein (603 nt)	11	5	0
PITG_04704	Pi conserved hypothetical protein (1168 nt)	35	75	2
PITG_04705	Pi conserved hypothetical protein (2356 nt)	5	21	0
PITG_04706	Pi potential pseudogene (372 nt)	0	1	0
PITG_04707	Pi conserved hypothetical protein (657 nt)	15	11	0
PITG_04708	Pi bifunctional fold protein (927 nt)	11	26	0
PITG_04709	Pi DNA ligase, putative (12166 nt)	3	17	0
PITG_04710	Pi conserved hypothetical protein (998 nt)	0	17	0
PITG_04711	Pi conserved hypothetical protein (569 nt)	3	2	0
PITG_04712	Pi conserved hypothetical protein (3360 nt)	7	35	0
PITG_04714	Pi conserved hypothetical protein (534 nt)	57	342	0
PITG_04715	Pi pantothenate kinase, putative (1800 nt)	16	41	0
PITG_04717	Pi conserved hypothetical protein (1232 nt)	6	17	0
PITG_04718	Pi protein pelota (1472 nt)	11	19	0
PITG_04719	Pi trafficking protein particle complex subunit 2-like pro	50	18	0
PITG_04721	Pi dynein light chain/pantothenate kinase (377 nt)	0	1	0
PITG_04723	Pi hypothetical protein (610 nt)	8	20	0
PITG_04724	Pi serine protease family S10, putative (1455 nt)	2	10	0
PITG_04725	Pi conserved hypothetical protein (10266 nt)	4	67	0
PITG_04726	Pi mitochondrial-processing peptidase subunit alpha, p	26	93	8
PITG_04731	Pi hypothetical protein (1162 nt)	3	19	0
PITG_04732	Pi conserved hypothetical protein (2596 nt)	1	306	0
PITG_04746	Pi conserved hypothetical protein (2806 nt)	15	23	0
PITG_04773	Pi conserved hypothetical protein (454 nt)	25	44	0
PITG_04774	Pi conserved hypothetical protein (1414 nt)	0	11	0
PITG_04777	Pi conserved hypothetical protein (1102 nt)	99	168	0
PITG_04800	Pi conserved hypothetical protein (1200 nt)	0	13	0
PITG_04802	Pi conserved hypothetical protein (1097 nt)	149	1758	0
PITG_04820	Pi conserved hypothetical protein (1802 nt)	46	66	0
PITG_04821	Pi conserved hypothetical protein (546 nt)	7	5	0
PITG_04822	Pi inositol polyphosphate multikinase, putative (1122 n	7	29	0
PITG_04824	Pi conserved hypothetical protein (3821 nt)	91	172	2
PITG_04831	Pi regulator of chromosome condensation (RCC1)-like p	10	58	2
PITG_04833	Pi conserved hypothetical protein (1761 nt)	0	0	0

PITG_04834 | Pi conserved hypothetical protein (4770 nt)	1	7	0
PITG_04839 | Pi cleavage induced conserved hypothetical protein (19	6	53	0
PITG_04842 | Pi conserved hypothetical protein (5338 nt)	9	67	0
PITG_04843 | Pi 60S ribosomal protein L13, putative (1197 nt)	585	646	54
PITG_04844 | Pi folate-Biopterin Transporter (FBT) family (1518 nt)	0	12	0
PITG_04845 | Pi conserved hypothetical protein (1298 nt)	2	9	0
PITG_04846 | Pi conserved hypothetical protein (2670 nt)	16	57	0
PITG_04847 | Pi conserved hypothetical protein (1560 nt)	1	7	0
PITG_04848 | Pi conserved hypothetical protein (649 nt)	0	0	0
PITG_04849 | Pi conserved hypothetical protein (1595 nt)	0	1	0
PITG_04850 | Pi conserved hypothetical protein (1488 nt)	2	30	0
PITG_04851 | Pi arginase (1366 nt)	2	48	0
PITG_04856 | Pi Crinkler (CRN) family protein (2517 nt)	10	12	0
PITG_04857 | Pi impact-like protein (1370 nt)	3	24	0
PITG_04859 | Pi Polycystin Cation Channel (PCC) Family (1653 nt)	0	3	0
PITG_04860 | Pi conserved hypothetical protein (944 nt)	4	32	0
PITG_04861 | Pi conserved hypothetical protein (1383 nt)	9	19	0
PITG_04862 | Pi RNA binding protein, putative (1307 nt)	65	61	1
PITG_04863 | Pi conserved hypothetical protein (2468 nt)	2	4	0
PITG_04864 | Pi conserved hypothetical protein (1203 nt)	0	12	0
PITG_04865 | Pi conserved hypothetical protein (858 nt)	3	4	0
PITG_04866 | Pi conserved hypothetical protein (574 nt)	0	0	0
PITG_04867 | Pi conserved hypothetical protein (4644 nt)	0	2	0
PITG_04868 | Pi ADP/ATP translocase, putative (933 nt)	81	378	85
PITG_04871 | Pi conserved hypothetical protein (2382 nt)	0	0	0
PITG_04873 | Pi conserved hypothetical protein (558 nt)	8	8	0
PITG_04874 | Pi carbohydrate esterase, putative (1146 nt)	38	18	0
PITG_04875 | Pi xaa-Pro aminopeptidase, putative (2111 nt)	13	68	0
PITG_04876 | Pi hypothetical protein (381 nt)	8	19	0
PITG_04877 | Pi oxidase, putative (1849 nt)	1	17	0
PITG_04880 | Pi Equilibrative Nucleoside Transporter (ENT) Family (1	1	12	0
PITG_04881 | Pi conserved hypothetical protein (1570 nt)	29	120	0
PITG_04882 | Pi 4-coumarate-CoA ligase, putative (1782 nt)	2	20	0
PITG_04884 | Pi conserved hypothetical protein (872 nt)	3	62	0
PITG_04888 | Pi kinesin-like protein (2334 nt)	5	2	0
PITG_04889 | Pi conserved hypothetical protein (4476 nt)	1	11	0
PITG_04891 | Pi conserved hypothetical protein (1528 nt)	0	3	0
PITG_04892 | Pi conserved hypothetical protein (838 nt)	3	13	0
PITG_04895 | Pi conserved hypothetical protein (1584 nt)	11	106	0
PITG_04902 | Pi conserved hypothetical protein (1710 nt)	3	19	0
PITG_04903 | Pi conserved hypothetical protein (1386 nt)	5	9	0
PITG_04905 | Pi conserved hypothetical protein (1634 nt)	5	41	0
PITG_04906 | Pi glutaredoxin (479 nt)	126	1091	26
PITG_04907 | Pi conserved hypothetical protein (652 nt)	4	32	0
PITG_04908 | Pi conserved hypothetical protein (1814 nt)	51	115	1
PITG_04909 | Pi conserved hypothetical protein (596 nt)	10	18	0
PITG_04910 | Pi serine/threonine protein kinase (2511 nt)	16	57	0

PITG_04912	| Pi conserved hypothetical protein (1214 nt)	0	1	0
PITG_04916	| Pi conserved hypothetical protein (2175 nt)	2	12	0
PITG_04917	| Pi anaphase-promoting complex subunit, putative (213	1	13	0
PITG_04918	| Pi alanyl-tRNA synthetase, putative (2754 nt)	0	11	0
PITG_04919	| Pi conserved hypothetical protein (1984 nt)	0	15	0
PITG_04921	| Pi hypothetical protein (456 nt)	13	143	0
PITG_04922	| Pi protein kinase (1188 nt)	2	0	0
PITG_04924	| Pi conserved hypothetical protein (1134 nt)	5	6	0
PITG_04927	| Pi conserved hypothetical protein (1731 nt)	3	6	0
PITG_04928	| Pi conserved hypothetical protein (1404 nt)	15	335	0
PITG_04930	| Pi conserved hypothetical protein (526 nt)	0	24	0
PITG_04931	| Pi conserved hypothetical protein (1322 nt)	5	39	2
PITG_04934	| Pi enoyl-CoA hydratase/isomerase family, putative (18:	6	90	0
PITG_04935	| Pi calcineurin-like phosphoesterase, putative (1806 nt)	3	9	0
PITG_04937	| Pi conserved hypothetical protein (615 nt)	16	119	0
PITG_04938	| Pi calcium/calmodulin-dependent protein kinase, putat	2	22	0
PITG_04939	| Pi Dicarboxylate/Amino Acid:Cation (Na or H) Sympor	1	6	0
PITG_04941	| Pi RNA polymerase II subunit A C-terminal domain pho:	13	16	0
PITG_04948	| Pi conserved hypothetical protein (757 nt)	0	1	0
PITG_04949	| Pi conserved hypothetical protein (1014 nt)	0	5	5
PITG_04954	| Pi protein kinase (1494 nt)	3	12	0
PITG_04956	| Pi conserved hypothetical protein (2657 nt)	7	16	0
PITG_04957	| Pi AP-2 complex subunit sigma-1 (439 nt)	1	1	0
PITG_04958	| Pi coatomer subunit beta' (3231 nt)	6	58	1
PITG_04959	| Pi conserved hypothetical protein (741 nt)	5	34	0
PITG_04961	| Pi crinkler (CRN) family protein, pseudogene (4915 nt)	32	386	0
PITG_04967	| Pi conserved hypothetical protein (2153 nt)	0	3	0
PITG_04969	| Pi conserved hypothetical protein (1865 nt)	7	320	0
PITG_04970	| Pi conserved hypothetical protein (3710 nt)	0	13	0
PITG_04971	| Pi conserved hypothetical protein (3105 nt)	0	11	0
PITG_04973	| Pi conserved hypothetical protein (1469 nt)	16	17	0
PITG_04974	| Pi conserved hypothetical protein (1077 nt)	21	25	0
PITG_04976	| Pi conserved hypothetical protein (2466 nt)	0	2	0
PITG_04977	| Pi conserved hypothetical protein (3445 nt)	15	182	19
PITG_04978	| Pi conserved hypothetical protein (635 nt)	11	9	0
PITG_04980	| Pi conserved hypothetical protein (31653 nt)	0	6	0
PITG_04985	| Pi sorbitol dehydrogenase, putative (1175 nt)	2	12	0
PITG_04989	| Pi sorbitol dehydrogenase, putative (1158 nt)	5	9	0
PITG_04990	| Pi conserved hypothetical protein (813 nt)	3	12	0
PITG_04991	| Pi conserved hypothetical protein (1547 nt)	1	14	0
PITG_04992	| Pi arginyl-tRNA synthetase, putative (1618 nt)	13	28	0
PITG_04994	| Pi conserved hypothetical protein (2863 nt)	53	198	0
PITG_04996	| Pi conserved hypothetical protein (1200 nt)	38	132	1
PITG_04998	| Pi MtN3-like protein (693 nt)	0	15	0
PITG_04999	| Pi MtN3-like protein (1252 nt)	2	6	0
PITG_05000	| Pi MtN3-like protein (849 nt)	0	0	0
PITG_05004	| Pi aspartyl protease family A01A, putative (1946 nt)	14	7	0

PITG_05005	Pi conserved hypothetical protein (1910 nt)	3	14	0
PITG_05006	Pi U1 small nuclear ribonucleoprotein A (865 nt)	8	49	1
PITG_05007	Pi glutaminyl-tRNA synthetase, putative (2013 nt)	16	29	0
PITG_05008	Pi conserved hypothetical protein (497 nt)	7	14	0
PITG_05009	Pi conserved hypothetical protein (705 nt)	25	28	0
PITG_05010	Pi conserved hypothetical protein (985 nt)	9	39	0
PITG_05011	Pi 5A endo-1,4-beta-glucanase, putative (1696 nt)	93	398	1
PITG_05012	Pi conserved hypothetical protein (1562 nt)	14	61	0
PITG_05016	Pi conserved hypothetical protein (3060 nt)	0	35	0
PITG_05056	Pi GTP-binding protein, putative (1843 nt)	4	30	0
PITG_05068	Pi secreted RxLR effector peptide, putative (378 nt)	0	9	2
PITG_05070	Pi conserved hypothetical protein (1421 nt)	1	51	0
PITG_05071	Pi deoxyribose-phosphate aldolase 1 (485 nt)	2	11	0
PITG_05072	Pi secreted RxLR effector peptide, putative, 3' partial (4	0	16	0
PITG_05075	Pi conserved hypothetical protein (3271 nt)	1	10	0
PITG_05079	Pi glycosyltransferase (6744 nt)	2	30	0
PITG_05099	Pi conserved hypothetical protein (900 nt)	5	15	0
PITG_05100	Pi conserved hypothetical protein (693 nt)	29	30	0
PITG_05103	Pi conserved hypothetical protein (1077 nt)	56	34	0
PITG_05104	Pi conserved hypothetical protein (928 nt)	13	2	0
PITG_05111	Pi conserved hypothetical protein (675 nt)	2	1	0
PITG_05112	Pi protein kinase, putative (2275 nt)	20	150	0
PITG_05113	Pi hypothetical protein (1175 nt)	13	46	0
PITG_05114	Pi aspartyl protease family A01A, putative (1749 nt)	6	16	0
PITG_05115	Pi HECT E3 ubiquitin ligase, putative (2055 nt)	76	297	0
PITG_05116	Pi conserved hypothetical protein (814 nt)	7	21	0
PITG_05117	Pi glycine amidinotransferase, mitochondrial precursor	48	84	0
PITG_05125	Pi hypothetical protein (632 nt)	10	661	0
PITG_05126	Pi splicing factor 3A subunit, putative (735 nt)	6	3	7
PITG_05127	Pi fatty acid desaturase, putative (1421 nt)	3	24	0
PITG_05128	Pi conserved hypothetical protein (5333 nt)	4	31	0
PITG_05135	Pi hypothetical protein (463 nt)	0	4	0
PITG_05139	Pi hypothetical protein (470 nt)	27	37	0
PITG_05140	Pi L-threonine 3-dehydrogenase, putative (1071 nt)	64	202	1
PITG_05141	Pi actin-like protein (1487 nt)	24	84	1
PITG_05143	Pi conserved hypothetical protein (498 nt)	0	1	0
PITG_05149	Pi conserved hypothetical protein (2082 nt)	12	19	0
PITG_05150	Pi conserved hypothetical protein (2939 nt)	2	2	0
PITG_05151	Pi Amino Acid/Auxin Permease (AAP) Family (1545 nt)	18	93	0
PITG_05154	Pi conserved hypothetical protein (792 nt)	28	46	0
PITG_05155	Pi conserved hypothetical protein (972 nt)	5	14	0
PITG_05156	Pi secretory protein OPEL (1892 nt)	32	1028	111
PITG_05168	Pi conserved hypothetical protein (1032 nt)	5	11	0
PITG_05170	Pi serine protease family S09X, putative (1823 nt)	17	29	0
PITG_05171	Pi 60S ribosomal protein L44 (673 nt)	1245	771	42
PITG_05173	Pi conserved hypothetical protein (1588 nt)	3	13	0
PITG_05174	Pi conserved hypothetical protein (627 nt)	29	20	0

PITG_05175	Pi conserved hypothetical protein (1473 nt)	220	70	1
PITG_05176	Pi histone deacetylase, putative (2432 nt)	10	29	0
PITG_05177	Pi conserved hypothetical protein (1793 nt)	3	23	0
PITG_05180	Pi hypothetical protein (1391 nt)	4	23	0
PITG_05182	Pi hypothetical protein (287 nt)	1	9	0
PITG_05183	Pi hypothetical protein (625 nt)	8	27	0
PITG_05185	Pi conserved hypothetical protein (2003 nt)	110	267	0
PITG_05186	Pi Ufm1-specific protease, putative (2070 nt)	2	9	0
PITG_05187	Pi sulfatase-like protein (3390 nt)	5	16	0
PITG_05188	Pi conserved hypothetical protein (693 nt)	1	15	0
PITG_05189	Pi conserved hypothetical protein (642 nt)	2	23	0
PITG_05190	Pi conserved hypothetical protein (546 nt)	11	11	0
PITG_05192	Pi conserved hypothetical protein (3165 nt)	2	14	0
PITG_05193	Pi conserved hypothetical protein (1056 nt)	25	13	0
PITG_05194	Pi conserved hypothetical protein (2265 nt)	9	11	0
PITG_05195	Pi conserved hypothetical protein (381 nt)	1	19	0
PITG_05196	Pi 2-nitropropane dioxygenase, putative (745 nt)	1	22	0
PITG_05197	Pi conserved hypothetical protein (2513 nt)	2	12	0
PITG_05198	Pi conserved hypothetical protein (1917 nt)	3	10	0
PITG_05199	Pi conserved hypothetical protein (1101 nt)	2	5	0
PITG_05201	Pi voltage-gated potassium channel subunit beta, putative	9	32	0
PITG_05202	Pi voltage-gated potassium channel subunit beta, putative	12	16	0
PITG_05203	Pi ATP-binding Cassette (ABC) superfamily (3362 nt)	0	1	0
PITG_05204	Pi ATP-binding Cassette (ABC) superfamily (1497 nt)	0	1	0
PITG_05205	Pi ATP-binding Cassette (ABC) superfamily (610 nt)	1	4	0
PITG_05211	Pi ATP-binding Cassette (ABC) Superfamily (3861 nt)	2	34	0
PITG_05212	Pi Crinkler (CRN) family protein, missing secretion signal	254	1796	3
PITG_05217	Pi ATP-binding Cassette (ABC) Superfamily (1851 nt)	0	13	0
PITG_05218	Pi ATP-binding Cassette (ABC) Superfamily (1692 nt)	1	19	0
PITG_05221	Pi Mitochondrial Carrier (MC) Family (849 nt)	6	15	0
PITG_05223	Pi phosphatidylinositol-3,4,5-trisphosphate 5-phosphatase	0	0	0
PITG_05225	Pi 4-aminobutyrate aminotransferase, mitochondrial protein	11	139	2
PITG_05226	Pi conserved hypothetical protein (2029 nt)	7	19	0
PITG_05227	Pi conserved hypothetical protein (2034 nt)	4	36	0
PITG_05233	Pi CLIP-associating protein, putative (4598 nt)	2	20	0
PITG_05234	Pi conserved hypothetical protein (1855 nt)	10	37	0
PITG_05235	Pi conserved hypothetical protein (399 nt)	0	0	0
PITG_05238	Pi conserved hypothetical protein (1011 nt)	10	24	0
PITG_05239	Pi conserved hypothetical protein (1290 nt)	8	39	0
PITG_05240	Pi casein kinase, putative (1301 nt)	117	311	4
PITG_05244	Pi conserved hypothetical protein (2844 nt)	6	19	0
PITG_05245	Pi imidazole glycerol phosphate synthase hisHF, putative	40	65	1
PITG_05248	Pi conserved hypothetical protein (759 nt)	2	32	0
PITG_05249	Pi conserved hypothetical protein (552 nt)	210	371	0
PITG_05250	Pi tRNA (adenine-N(1)-)-methyltransferase catalytic subunit	52	33	0
PITG_05251	Pi protein tyrosine phosphatase type IVA protein 1 (58:100)	85	190	0
PITG_05254	Pi conserved hypothetical protein (765 nt)	4	19	2

PITG_05255 | Pi hypothetical protein (1122 nt)	64	207	0
PITG_05259 | Pi DNA excision repair protein ERCC-6 (3159 nt)	4	33	0
PITG_05260 | Pi pre-mRNA-splicing factor ATP-dependent RNA helica	4	12	0
PITG_05261 | Pi conserved hypothetical protein (682 nt)	7	11	0
PITG_05262 | Pi conserved hypothetical protein (621 nt)	15	4	0
PITG_05263 | Pi guanine deaminase, putative (1486 nt)	33	5	0
PITG_05264 | Pi 10 kDa chaperonin (619 nt)	167	365	43
PITG_05267 | Pi transmembrane protein, putative (1028 nt)	0	12	0
PITG_05272 | Pi conserved hypothetical protein (2186 nt)	4	8	0
PITG_05274 | Pi conserved hypothetical protein (3045 nt)	1	22	0
PITG_05276 | Pi hypothetical protein (732 nt)	0	24	0
PITG_05277 | Pi conserved hypothetical protein (1301 nt)	8	38	0
PITG_05278 | Pi conserved hypothetical protein (2856 nt)	1	12	0
PITG_05281 | Pi hypothetical protein (841 nt)	5	10	0
PITG_05282 | Pi phosphatidylinositol-4-phosphate-5-kinase (PIPK-D1,	14	53	0
PITG_05283 | Pi hypothetical protein (1701 nt)	0	25	0
PITG_05286 | Pi conserved hypothetical protein (555 nt)	29	28	0
PITG_05287 | Pi conserved hypothetical protein (1000 nt)	12	35	0
PITG_05288 | Pi conserved hypothetical protein (1815 nt)	0	0	0
PITG_05289 | Pi conserved hypothetical protein (1216 nt)	33	30	1
PITG_05290 | Pi myosin-like protein (3290 nt)	0	55	7
PITG_05291 | Pi Animal Inward Rectifier K Channel (IRK-C) Family (15	5	20	0
PITG_05292 | Pi hypothetical protein (861 nt)	55	161	1
PITG_05293 | Pi conserved hypothetical protein (2351 nt)	7	46	0
PITG_05294 | Pi conserved hypothetical protein (1647 nt)	2	1	0
PITG_05295 | Pi conserved hypothetical protein (847 nt)	0	0	0
PITG_05296 | Pi cleavage induced hypothetical protein (1213 nt)	1	5	0
PITG_05297 | Pi conserved hypothetical protein (531 nt)	4	19	0
PITG_05298 | Pi conserved hypothetical protein (930 nt)	5	22	0
PITG_05300 | Pi methyltransferase (2289 nt)	5	11	0
PITG_05301 | Pi translation elongation factor 1-alpha, putative (1898	8	61	2
PITG_05302 | Pi replication factor C subunit 5 (1129 nt)	15	45	0
PITG_05303 | Pi conserved hypothetical protein (1083 nt)	135	555	2
PITG_05304 | Pi Voltage-gated Ion Channel (VIC) Superfamily (4117 n	1	9	0
PITG_05305 | Pi conserved hypothetical protein (1732 nt)	2	3	0
PITG_05307 | Pi phosphoenolpyruvate carboxykinase, putative (1985	951	196	5
PITG_05311 | Pi kinetochore protein NUF2-like protein (1412 nt)	5	29	0
PITG_05313 | Pi undecaprenyl pyrophosphate synthetase, putative (1	8	41	6
PITG_05315 | Pi undecaprenyl pyrophosphate synthetase, putative (1	5	42	0
PITG_05317 | Pi transcriptional adapter 2-alpha, putative (2023 nt)	4	31	0
PITG_05318 | Pi N-(5'-phosphoribosyl)anthranilate isomerase indole-	10	36	0
PITG_05319 | Pi hypothetical protein (3149 nt)	4	7	0
PITG_05320 | Pi conserved hypothetical protein (586 nt)	2	10	0
PITG_05321 | Pi conserved hypothetical protein (1515 nt)	5	9	0
PITG_05323 | Pi conserved hypothetical protein (741 nt)	17	15	0
PITG_05324 | Pi conserved hypothetical protein (675 nt)	131	101	0
PITG_05325 | Pi conserved hypothetical protein (992 nt)	54	73	0

PITG_05326	Pi Poly(A) polymerase, putative (3459 nt)	15	29	0
PITG_05328	Pi conserved hypothetical protein (2246 nt)	13	199	0
PITG_05329	Pi conserved hypothetical protein (1933 nt)	4	14	0
PITG_05331	Pi conserved hypothetical protein (1294 nt)	5	32	0
PITG_05332	Pi Voltage-gated Ion Channel (VIC) Superfamily (3165 n	0	13	0
PITG_05334	Pi conserved hypothetical protein (1455 nt)	0	1	0
PITG_05338	Pi protein kinase (2601 nt)	1	20	0
PITG_05340	Pi protein kinase, putative (2767 nt)	2	11	0
PITG_05346	Pi cation-transporting ATPase, putative (4774 nt)	3	33	0
PITG_05347	Pi 1-aminocyclopropane-1-carboxylate deaminase (102	37	97	4
PITG_05353	Pi HSF-type DNA-binding protein, putative (1950 nt)	2	18	0
PITG_05354	Pi asparaginyl-tRNA synthetase (1709 nt)	3	14	0
PITG_05355	Pi conserved hypothetical protein (2512 nt)	4	14	0
PITG_05356	Pi maleylacetoacetate isomerase (660 nt)	12	122	3
PITG_05358	Pi conserved hypothetical protein (3236 nt)	0	11	0
PITG_05360	Pi conserved hypothetical protein (926 nt)	29	71	1
PITG_05361	Pi conserved hypothetical protein (1754 nt)	0	5	0
PITG_05362	Pi conserved hypothetical protein (2212 nt)	1	12	0
PITG_05363	Pi dihydrodipicolinate synthase, putative (1162 nt)	16	39	2
PITG_05364	Pi conserved hypothetical protein (3070 nt)	1	14	0
PITG_05365	Pi serine/threonine protein kinase (718 nt)	0	13	0
PITG_05366	Pi branchpoint-bridging protein, putative (1940 nt)	6	34	0
PITG_05367	Pi translational activator GCN1, putative (8268 nt)	1	14	0
PITG_05368	Pi conserved hypothetical protein (1023 nt)	12	29	0
PITG_05371	Pi conserved hypothetical protein (1051 nt)	0	1	0
PITG_05373	Pi alcohol dehydrogenase class-3, putative (1242 nt)	27	133	4
PITG_05374	Pi argininosuccinate synthase (1515 nt)	48	117	19
PITG_05375	Pi conserved hypothetical protein (810 nt)	9	27	0
PITG_05376	Pi mitogen-activated protein kinase organizer, putative	8	31	0
PITG_05377	Pi methylenetetrahydrofolate reductase, putative (177	7	12	0
PITG_05379	Pi conserved hypothetical protein (1508 nt)	0	8	0
PITG_05381	Pi protein phosphatase 2C, putative (1315 nt)	4	11	0
PITG_05383	Pi conserved hypothetical protein (724 nt)	25	42	0
PITG_05385	Pi Zinc (Zn ²⁺)-Iron (Fe ²⁺) Permease (ZIP) Family (2746 n	5	0	1
PITG_05386	Pi Zinc (Zn ²⁺)-Iron (Fe ²⁺) Permease (ZIP) Family (2693 n	28	114	0
PITG_05387	Pi ATP-binding Cassette (ABC) Superfamily (1371 nt)	31	140	0
PITG_05388	Pi conserved hypothetical protein (1065 nt)	0	37	0
PITG_05389	Pi ATP-binding Cassette (ABC) Superfamily (836 nt)	20	79	0
PITG_05391	Pi histone H1, putative (1061 nt)	288	84	0
PITG_05392	Pi conserved hypothetical protein (1245 nt)	10	3	0
PITG_05394	Pi conserved hypothetical protein (2421 nt)	0	1	0
PITG_05395	Pi conserved hypothetical protein (1404 nt)	15	12	0
PITG_05396	Pi hypothetical protein (768 nt)	5	18	0
PITG_05397	Pi conserved hypothetical protein (3759 nt)	0	1	0
PITG_05398	Pi conserved hypothetical protein (4052 nt)	0	3	0
PITG_05404	Pi conserved hypothetical protein (3297 nt)	4	22	0
PITG_05405	Pi arginyl-tRNA synthetase, putative (2477 nt)	2	17	0

PITG_05408	Pi transmembrane protein, putative (2470 nt)	3	10	0
PITG_05409	Pi conserved hypothetical protein (709 nt)	5	12	0
PITG_05410	Pi transmembrane protein, putative (1622 nt)	15	41	0
PITG_05411	Pi conserved hypothetical protein (1120 nt)	8	32	0
PITG_05412	Pi Ca2 :Cation Antiporter (CaCA) Family (2261 nt)	11	40	0
PITG_05413	Pi patatin-like phospholipase, putative (1423 nt)	9	34	0
PITG_05420	Pi conserved hypothetical protein (681 nt)	0	14	0
PITG_05421	Pi conserved hypothetical protein (1945 nt)	10	167	0
PITG_05423	Pi DNA-dependent protein kinase catalytic subunit, put	2	17	0
PITG_05427	Pi conserved hypothetical protein (2562 nt)	0	1	0
PITG_05429	Pi conserved hypothetical protein (2915 nt)	11	27	0
PITG_05433	Pi STIP-like protein (2466 nt)	2	12	0
PITG_05434	Pi importin subunit beta, putative (3021 nt)	16	114	1
PITG_05443	Pi hypothetical protein (746 nt)	0	18	0
PITG_05444	Pi conserved hypothetical protein (12213 nt)	1	6	0
PITG_05446	Pi pyridoxal-dependent decarboxylase, putative (3752	1	15	0
PITG_05447	Pi sporangia induced sperm flagellar protein (967 nt)	2	5	0
PITG_05449	Pi palmitoyltransferase, putative (1401 nt)	43	51	0
PITG_05450	Pi conserved hypothetical protein (1286 nt)	16	13	0
PITG_05451	Pi hypothetical protein (1565 nt)	109	0	0
PITG_05452	Pi hypothetical cleavage-induced protein (2059 nt)	17	0	0
PITG_05455	Pi hypothetical protein (1667 nt)	0	19	0
PITG_05456	Pi DNA mismatch repair protein mutS, putative (1891 r	1	25	0
PITG_05457	Pi regulator of chromosome condensation (RCC1)-like p	0	1	0
PITG_05458	Pi conserved hypothetical protein (1649 nt)	3	21	0
PITG_05461	Pi mitotic spindle assembly checkpoint protein MAD1,	6	24	0
PITG_05462	Pi aldehyde dehydrogenase family 7 member A1 (2327	91	80	0
PITG_05463	Pi HECT E3 ubiquitin ligase, putative (2473 nt)	30	4	0
PITG_05464	Pi conserved hypothetical protein (1043 nt)	16	153	11
PITG_05465	Pi L-gulonolactone oxidase, putative (1707 nt)	2	10	0
PITG_05467	Pi conserved hypothetical protein (987 nt)	17	20	0
PITG_05468	Pi conserved hypothetical protein (836 nt)	28	21	0
PITG_05469	Pi conserved hypothetical protein (1071 nt)	2	15	0
PITG_05475	Pi conserved hypothetical protein (1305 nt)	0	12	0
PITG_05476	Pi flavin-binding monooxygenase-like protein (1557 nt)	3	21	0
PITG_05477	Pi hypothetical protein (2208 nt)	1	1	0
PITG_05478	Pi conserved hypothetical protein (2145 nt)	0	19	0
PITG_05479	Pi ubiquitin-activating enzyme (E1), putative (1981 nt)	4	15	0
PITG_05480	Pi conserved hypothetical protein (3958 nt)	8	38	0
PITG_05481	Pi conserved hypothetical protein (1622 nt)	0	1	0
PITG_05483	Pi protein kinase, putative (1117 nt)	3	8	0
PITG_05485	Pi peroxisomal acyl-coenzyme A oxidase, putative (226	2	20	0
PITG_05486	Pi acyl-CoA dehydrogenase/oxidase (2366 nt)	0	17	0
PITG_05487	Pi cyclin-dependent kinase, putative (1764 nt)	9	10	0
PITG_05488	Pi hypothetical protein (2284 nt)	5	14	0
PITG_05489	Pi conserved hypothetical protein (408 nt)	161	123	1
PITG_05490	Pi conserved hypothetical protein (1609 nt)	0	15	0

PITG_05491	Pi conserved hypothetical protein (974 nt)	0	14	0
PITG_05494	Pi conserved hypothetical protein (1248 nt)	4	20	0
PITG_05495	Pi conserved hypothetical protein (1451 nt)	6	1	0
PITG_05496	Pi augments liver regeneration (811 nt)	46	38	0
PITG_05497	Pi conserved hypothetical protein (904 nt)	26	105	3
PITG_05498	Pi heat shock protein 90, putative (2645 nt)	17	146	3
PITG_05499	Pi conserved hypothetical protein (2720 nt)	0	7	0
PITG_05500	Pi conserved hypothetical protein (1252 nt)	14	20	0
PITG_05501	Pi Non-selective Cation Channel-2 (NSCC2) Family (114	29	49	1
PITG_05502	Pi calcineurin-like phosphoesterase, putative (1922 nt)	8	57	0
PITG_05503	Pi cyclin-C, putative (1179 nt)	3	10	0
PITG_05504	Pi conserved hypothetical protein (1304 nt)	7	33	0
PITG_05505	Pi conserved hypothetical protein (2274 nt)	4	47	0
PITG_05506	Pi conserved hypothetical protein (747 nt)	6	23	0
PITG_05507	Pi conserved hypothetical protein (2671 nt)	2	15	0
PITG_05508	Pi polycomb protein, putative (2674 nt)	15	34	0
PITG_05509	Pi conserved hypothetical protein (3108 nt)	5	20	0
PITG_05510	Pi hypothetical protein (1251 nt)	6	22	0
PITG_05511	Pi Mitochondrial Carrier (MC) Family (1343 nt)	9	2	0
PITG_05512	Pi conserved hypothetical protein (1614 nt)	6	14	0
PITG_05516	Pi glutathione S-transferase omega-like protein (1319 r	17	155	0
PITG_05517	Pi regulatory-associated protein of mTOR (4096 nt)	1	17	0
PITG_05518	Pi hypothetical protein (783 nt)	5	14	0
PITG_05519	Pi phosphatidylinositol 4-phosphate 5-kinase D3 (PIPK-	3	11	0
PITG_05520	Pi glutamine-dependent NAD(+) synthetase, putative (2	5	30	0
PITG_05521	Pi protein kinase, putative (2191 nt)	8	30	0
PITG_05523	Pi ubiquitin-specific protease, putative (2915 nt)	1	10	0
PITG_05526	Pi alpha-amylase, putative (2124 nt)	0	44	0
PITG_05531	Pi conserved hypothetical protein (2270 nt)	1	33	0
PITG_05532	Pi conserved hypothetical protein (3062 nt)	2	11	0
PITG_05534	Pi nucleolar protein Nop56 (1854 nt)	5	20	1
PITG_05536	Pi RNA pseudouridylate synthase, putative (2491 nt)	2	12	0
PITG_05537	Pi copper-transporting ATPase, putative (4125 nt)	24	132	0
PITG_05538	Pi conserved hypothetical protein (1354 nt)	2	22	0
PITG_05539	Pi carbon-nitrogen hydrolase, putative (1105 nt)	14	55	2
PITG_05540	Pi conserved hypothetical protein (824 nt)	7	45	0
PITG_05541	Pi dolichyl pyrophosphate Man9GlcNAc2 alpha-1,3-glu	3	9	0
PITG_05542	Pi 3-hydroxyacyl-CoA dehydrogenase, putative (984 nt)	11	57	1
PITG_05545	Pi conserved hypothetical protein (1936 nt)	22	128	0
PITG_05546	Pi conserved hypothetical protein (1299 nt)	19	21	0
PITG_05549	Pi conserved hypothetical protein (1577 nt)	0	13	0
PITG_05550	Pi conserved hypothetical protein (1173 nt)	9	11	0
PITG_05551	Pi ribose-phosphate pyrophosphokinase, putative (154	3	20	1
PITG_05552	Pi heat shock protein 75 kDa, mitochondrial precursor	13	22	1
PITG_05553	Pi D-lactate dehydrogenase, putative (1573 nt)	22	108	0
PITG_05556	Pi D-lactate dehydrogenase, putative (1794 nt)	2	10	0
PITG_05557	Pi Drug/Metabolite Transporter (DMT) Superfamily (11	12	14	0

PITG_05559	Pi conserved hypothetical protein (2055 nt)	10	15	0
PITG_05560	Pi conserved hypothetical protein (3430 nt)	12	23	0
PITG_05561	Pi conserved hypothetical protein (1659 nt)	74	189	8
PITG_05562	Pi conserved hypothetical protein (3050 nt)	2	10	0
PITG_05563	Pi hypothetical protein (347 nt)	0	18	0
PITG_05564	Pi conserved hypothetical protein (1122 nt)	2	16	0
PITG_05565	Pi conserved hypothetical protein (1806 nt)	41	38	0
PITG_05566	Pi conserved hypothetical protein (479 nt)	7	16	0
PITG_05567	Pi kinetochore protein NDC80 (917 nt)	0	16	0
PITG_05571	Pi conserved hypothetical protein (985 nt)	0	15	0
PITG_05577	Pi glutathione S-transferase, putative (2532 nt)	2207	1830	11
PITG_05582	Pi glutathione S-transferase, putative (705 nt)	686	1270	10
PITG_05583	Pi glutathione S-transferase, putative (2983 nt)	30	85	0
PITG_05584	Pi hypothetical protein (1111 nt)	15	174	0
PITG_05586	Pi DNA-(apurinic or apyrimidinic site) lyase, putative (1111 nt)	1	15	0
PITG_05587	Pi protein kinase, putative (2287 nt)	14	111	0
PITG_05588	Pi conserved hypothetical protein (882 nt)	13	8	0
PITG_05589	Pi conserved hypothetical protein (1113 nt)	19	115	0
PITG_05590	Pi conserved hypothetical protein (1202 nt)	2	11	0
PITG_05591	Pi conserved hypothetical protein (1147 nt)	1	21	0
PITG_05592	Pi conserved hypothetical protein (1082 nt)	8	44	0
PITG_05593	Pi conserved hypothetical protein (459 nt)	23	136	0
PITG_05594	Pi O-sialoglycoprotein endopeptidase, putative (5148 nt)	1	12	0
PITG_05595	Pi conserved hypothetical protein (5505 nt)	2	10	0
PITG_05597	Pi conserved hypothetical protein (897 nt)	12	30	0
PITG_05598	Pi conserved hypothetical protein (884 nt)	15	26	0
PITG_05599	Pi conserved hypothetical protein (632 nt)	8	40	0
PITG_05600	Pi metalloprotease family M67C, putative (2008 nt)	7	15	0
PITG_05601	Pi conserved hypothetical protein (1098 nt)	57	123	1
PITG_05604	Pi conserved hypothetical protein (1808 nt)	0	13	0
PITG_05605	Pi radial spoke head protein, putative (2076 nt)	0	0	0
PITG_05607	Pi formin-homology 2 domain-containing protein (5376 nt)	0	0	0
PITG_05608	Pi transmembrane protein, putative (3096 nt)	0	0	0
PITG_05609	Pi conserved hypothetical protein (1362 nt)	4	27	0
PITG_05610	Pi conserved hypothetical protein (1132 nt)	4	10	0
PITG_05611	Pi conserved hypothetical protein (1091 nt)	43	282	0
PITG_05614	Pi conserved hypothetical protein (1206 nt)	23	56	0
PITG_05615	Pi pyrophosphate-energized vacuolar membrane protein (1111 nt)	74	346	82
PITG_05616	Pi UDP-glucose 4-epimerase, putative (1607 nt)	59	432	0
PITG_05617	Pi UDP-glucose 4-epimerase, putative (1400 nt)	66	112	1
PITG_05618	Pi phosphatidylinositol 4-phosphate 5-kinase (PIP3/PIP2/PIP3K)	0	5	0
PITG_05619	Pi conserved hypothetical protein (1496 nt)	0	0	0
PITG_05621	Pi conserved hypothetical protein (1835 nt)	2	6	0
PITG_05622	Pi conserved hypothetical protein (1762 nt)	9	23	0
PITG_05623	Pi conserved hypothetical protein (2699 nt)	7	21	0
PITG_05627	Pi conserved hypothetical protein (2431 nt)	28	48	0
PITG_05628	Pi hypothetical protein (806 nt)	195	282	1

PITG_05629	Pi Poly(A) polymerase, putative (1901 nt)	15	20	0
PITG_05631	Pi myosin-like protein (6372 nt)	2	50	0
PITG_05633	Pi conserved hypothetical protein (3358 nt)	3	16	0
PITG_05634	Pi hypothetical protein (1687 nt)	3	13	0
PITG_05635	Pi conserved hypothetical protein (1845 nt)	2	15	0
PITG_05636	Pi transaldolase (1192 nt)	39	390	16
PITG_05637	Pi S-adenosylmethionine mitochondrial carrier protein,	10	8	0
PITG_05638	Pi GTPase, putative (1931 nt)	22	63	1
PITG_05639	Pi conserved hypothetical protein (810 nt)	0	18	0
PITG_05642	Pi WD domain-containing protein, putative (1283 nt)	2	3	0
PITG_05643	Pi hypothetical protein (3228 nt)	5	23	0
PITG_05644	Pi phosphatidylinositol-3-phosphate 5-kinase (4944 nt)	1	20	0
PITG_05649	Pi glutamyl-tRNA synthetase, putative (2220 nt)	2	17	0
PITG_05652	Pi conserved hypothetical protein (519 nt)	7	29	0
PITG_05653	Pi protein kinase, putative (3478 nt)	7	37	0
PITG_05654	Pi conserved hypothetical protein (623 nt)	4	16	0
PITG_05655	Pi conserved hypothetical protein (5861 nt)	1	3	0
PITG_05656	Pi WD domain-containing protein, putative (4811 nt)	0	1	0
PITG_05657	Pi conserved hypothetical protein (789 nt)	15	6	0
PITG_05658	Pi conserved hypothetical protein (2647 nt)	11	33	0
PITG_05659	Pi conserved hypothetical protein (1291 nt)	9	23	0
PITG_05660	Pi putative GPI-anchored serine rich tenascin-like glyco	78	205	2
PITG_05664	Pi choline/Carnitine O-acyltransferase, putative (2092 r	2	33	0
PITG_05666	Pi small nuclear ribonucleoprotein E (240 nt)	18	72	1
PITG_05667	Pi vacuolar protein sorting-associated protein, putative	2	11	0
PITG_05668	Pi conserved hypothetical protein (1771 nt)	1	14	0
PITG_05669	Pi conserved hypothetical protein (2501 nt)	9	56	0
PITG_05670	Pi cleavage induced conserved hypothetical protein (12	23	14	0
PITG_05672	Pi conserved hypothetical protein (1898 nt)	66	21	0
PITG_05673	Pi hypothetical protein (795 nt)	5	12	0
PITG_05674	Pi peroxisome assembly protein, putative (1244 nt)	2	22	0
PITG_05675	Pi histone, putative (441 nt)	40	19	4
PITG_05676	Pi histone H4 (468 nt)	144	189	14
PITG_05679	Pi replication protein A 70 kDa DNA-binding subunit, pi	8	24	0
PITG_05680	Pi conserved hypothetical protein (676 nt)	3	9	0
PITG_05681	Pi conserved hypothetical protein (1802 nt)	5	8	0
PITG_05682	Pi conserved hypothetical protein (405 nt)	1	13	0
PITG_05683	Pi conserved hypothetical protein (1770 nt)	9	30	0
PITG_05685	Pi transcription elongation factor SPT5, putative (3647	5	36	0
PITG_05686	Pi conserved hypothetical protein (2021 nt)	10	75	0
PITG_05687	Pi conserved hypothetical protein (726 nt)	8	35	0
PITG_05688	Pi splicing factor U2AF 35 kDa subunit (1193 nt)	42	60	1
PITG_05689	Pi conserved hypothetical protein (1700 nt)	121	54	0
PITG_05690	Pi ubiquitin activating enzyme, E1 family, putative (333	7	78	0
PITG_05691	Pi conserved hypothetical protein (2217 nt)	4	28	0
PITG_05692	Pi histone-lysine N-methyltransferase, putative (3130 r	5	16	0
PITG_05694	Pi transcription elongation factor SPT4 (602 nt)	8	34	2

PITG_05696	Pi NAD-dependent glycerol-3-phosphate dehydrogenas	0	13	0
PITG_05697	Pi Crinkler (CRN) family protein, pseudogene (862 nt)	107	237	0
PITG_05701	Pi NAD-dependent glycerol-3-phosphate dehydrogenas	9	15	0
PITG_05705	Pi ATP-binding Cassette (ABC) Superfamily (3956 nt)	0	32	1
PITG_05708	Pi conserved hypothetical protein (1346 nt)	0	0	0
PITG_05709	Pi adenylate kinase, putative (1064 nt)	2	29	0
PITG_05712	Pi conserved hypothetical protein (471 nt)	0	0	0
PITG_05717	Pi ATP-binding Cassette (ABC) Superfamily (718 nt)	9	21	0
PITG_05727	Pi conserved hypothetical protein (1947 nt)	42	55	0
PITG_05729	Pi conserved hypothetical protein (1581 nt)	8	62	0
PITG_05731	Pi origin recognition complex subunit, putative (1392 n	10	17	0
PITG_05732	Pi hypothetical protein (619 nt)	8	22	0
PITG_05733	Pi glutathione gamma-glutamylcysteinyltransferase, pu	1	4	0
PITG_05737	Pi Transient Receptor Potential Ca2 Channel (TRP-CC) I	3	28	0
PITG_05738	Pi cleavage induced conserved hypothetical protein (56	47	57	0
PITG_05740	Pi conserved hypothetical protein (1906 nt)	3	26	0
PITG_05742	Pi RWP-RK domain-containing protein, putative (708 nt	6	19	0
PITG_05746	Pi conserved hypothetical protein (617 nt)	0	3	0
PITG_05747	Pi conserved hypothetical protein (779 nt)	1	5	0
PITG_05748	Pi conserved hypothetical protein (1156 nt)	14	79	0
PITG_05749	Pi conserved hypothetical protein (888 nt)	0	0	0
PITG_05752	Pi conserved hypothetical protein (1549 nt)	3	8	0
PITG_05757	Pi structural maintenance of chromosomes protein, pu	2	19	0
PITG_05759	Pi conserved hypothetical protein (1146 nt)	2	16	0
PITG_05760	Pi conserved hypothetical protein (1210 nt)	3	14	0
PITG_05761	Pi transmembrane protein, putative (4754 nt)	1	30	0
PITG_05762	Pi Cullin family protein, putative (2268 nt)	7	50	0
PITG_05763	Pi conserved hypothetical protein (5005 nt)	0	15	0
PITG_05772	Pi conserved hypothetical protein (1603 nt)	7	22	0
PITG_05778	Pi conserved hypothetical protein (2026 nt)	10	171	4
PITG_05779	Pi neutral ceramidase, putative (696 nt)	0	22	0
PITG_05780	Pi conserved hypothetical protein (1494 nt)	6	21	0
PITG_05781	Pi eukaryotic translation initiation factor 2-alpha kinase	56	44	0
PITG_05782	Pi conserved hypothetical protein (1220 nt)	1	12	0
PITG_05787	Pi hypothetical protein (616 nt)	8	17	0
PITG_05796	Pi ribosomal RNA-processing protein, putative (978 nt)	8	6	0
PITG_05797	Pi conserved hypothetical protein (937 nt)	2	21	0
PITG_05798	Pi protein kinase, putative (2322 nt)	1	13	0
PITG_05799	Pi conserved hypothetical protein (905 nt)	1	10	0
PITG_05804	Pi conserved hypothetical protein (1129 nt)	9	28	0
PITG_05805	Pi tryptophan synthase (1338 nt)	13	7	0
PITG_05806	Pi AP-2 complex subunit mu (2148 nt)	0	0	0
PITG_05813	Pi conserved hypothetical protein (983 nt)	2	16	0
PITG_05814	Pi conserved hypothetical protein (1799 nt)	1	13	0
PITG_05815	Pi ATP-binding Cassette (ABC) Superfamily (5469 nt)	1	28	0
PITG_05816	Pi conserved hypothetical protein (774 nt)	4	16	0
PITG_05817	Pi aspartyl/Asparaginyl beta-hydroxylase, putative (942	8	24	0

PITG_05818	Pi conserved hypothetical protein (2265 nt)	15	32	0
PITG_05819	Pi conserved hypothetical protein (348 nt)	1	11	0
PITG_05822	Pi conserved hypothetical protein (1647 nt)	3	34	0
PITG_05825	Pi conserved hypothetical protein (1258 nt)	6	16	0
PITG_05830	Pi conserved hypothetical protein (724 nt)	22	4	0
PITG_05831	Pi conserved hypothetical protein (1057 nt)	0	0	0
PITG_05832	Pi delta-1-pyrroline-5-carboxylate synthetase, putative	9	16	0
PITG_05835	Pi sporangia induced conserved hypothetical protein (1	0	0	0
PITG_05836	Pi conserved hypothetical protein (1684 nt)	0	0	0
PITG_05839	Pi conserved hypothetical protein (542 nt)	378	82	1
PITG_05840	Pi cytochrome b-c1 complex subunit Rieske, putative (9	184	153	8
PITG_05843	Pi conserved hypothetical protein (1597 nt)	3	15	0
PITG_05847	Pi hypothetical protein (2153 nt)	3	45	0
PITG_05853	Pi pterin-4-alpha-carbinolamine dehydratase (369 nt)	0	38	0
PITG_05854	Pi conserved hypothetical protein (512 nt)	13	10	0
PITG_05855	Pi protein kinase, putative (2558 nt)	29	55	0
PITG_05856	Pi conserved hypothetical protein (2438 nt)	2	14	0
PITG_05858	Pi conserved hypothetical protein (1331 nt)	13	26	0
PITG_05861	Pi conserved hypothetical protein (1533 nt)	9	52	0
PITG_05862	Pi mitogen-activated protein kinase, putative (3958 nt)	0	4	0
PITG_05863	Pi conserved hypothetical protein (654 nt)	0	2	0
PITG_05864	Pi conserved hypothetical protein (975 nt)	20	29	0
PITG_05865	Pi serine/threonine protein kinase (1321 nt)	0	0	0
PITG_05866	Pi conserved hypothetical protein (715 nt)	9	20	0
PITG_05867	Pi sister chromatid cohesion protein DCC1, putative (13	4	13	0
PITG_05869	Pi conserved hypothetical protein (2379 nt)	3	11	0
PITG_05871	Pi hypothetical protein (336 nt)	36	27	6
PITG_05874	Pi conserved hypothetical protein (1037 nt)	6	37	0
PITG_05879	Pi hypothetical protein (704 nt)	4	11	0
PITG_05880	Pi conserved hypothetical protein (1713 nt)	1	5	0
PITG_05882	Pi conserved hypothetical protein (952 nt)	5	11	0
PITG_05883	Pi bardet-Biedl syndrome 5 protein (1047 nt)	0	7	0
PITG_05884	Pi AP-2 complex subunit beta, putative (2760 nt)	6	34	1
PITG_05886	Pi peptidyl-prolyl cis-trans isomerase ppi1 (858 nt)	13	28	0
PITG_05889	Pi conserved hypothetical protein (4132 nt)	1	19	0
PITG_05894	Pi conserved hypothetical protein (1943 nt)	2	25	0
PITG_05902	Pi Major Facilitator Superfamily (MFS) (1749 nt)	38	42	1
PITG_05907	Pi conserved hypothetical protein (572 nt)	11	29	0
PITG_05909	Pi conserved hypothetical protein (1665 nt)	1	11	0
PITG_05922	Pi dynein heavy chain (13827 nt)	0	8	0
PITG_05926	Pi conserved hypothetical protein (1496 nt)	8	41	0
PITG_05934	Pi conserved hypothetical protein (971 nt)	16	40	0
PITG_05935	Pi DEAD/DEAH box RNA helicase, putative (2533 nt)	3	21	0
PITG_05938	Pi conserved hypothetical protein (1148 nt)	6	85	5
PITG_05939	Pi carbonyl reductase, putative (744 nt)	4	17	0
PITG_05940	Pi spindle assembly protein, putative (2132 nt)	0	16	0
PITG_05941	Pi conserved hypothetical protein (1926 nt)	3	4	0

PITG_05949 | Pi conserved hypothetical protein (3151 nt)	0	0	0
PITG_05953 | Pi conserved hypothetical protein (765 nt)	50	70	0
PITG_05954 | Pi conserved hypothetical protein (1623 nt)	7	30	0
PITG_05955 | Pi serine protease family S09X, putative (1101 nt)	8	24	0
PITG_05956 | Pi conserved hypothetical protein (2443 nt)	0	0	0
PITG_05959 | Pi conserved hypothetical protein (588 nt)	4	416	0
PITG_05960 | Pi hypothetical protein (1290 nt)	4	5	0
PITG_05961 | Pi conserved hypothetical protein (1560 nt)	10	20	0
PITG_05975 | Pi conserved hypothetical protein (1753 nt)	10	47	0
PITG_05980 | Pi secreted RxLR effector peptide, putative (486 nt)	50	4	10
PITG_05988 | Pi hypothetical protein (452 nt)	16	8	0
PITG_05989 | Pi myb-like DNA-binding protein, putative (1912 nt)	8	45	0
PITG_05990 | Pi myb-like DNA-binding protein, putative (2043 nt)	15	55	0
PITG_05991 | Pi FKBP-type peptidyl-prolyl cis-trans isomerase, putative (1101 nt)	9	12	0
PITG_05992 | Pi tetrapyrrole (Corrin/Porphyrin) Methylase, putative (1101 nt)	3	23	0
PITG_05993 | Pi conserved hypothetical protein (1467 nt)	2	9	0
PITG_05998 | Pi ribonucleoside-diphosphate reductase large subunit (1101 nt)	7	68	2
PITG_06001 | Pi ATP-binding Cassette (ABC) superfamily (1444 nt)	9	19	0
PITG_06002 | Pi mismatch repair endonuclease pms1, putative (3223 nt)	2	23	0
PITG_06003 | Pi conserved hypothetical protein (2705 nt)	7	72	0
PITG_06006 | Pi conserved hypothetical protein (986 nt)	14	45	0
PITG_06007 | Pi Zinc (Zn ²⁺)-Iron (Fe ²⁺) Permease (ZIP) Family (1320 nt)	2	11	0
PITG_06011 | Pi 3'(2'),5'-bisphosphate nucleotidase, putative (2500 nt)	2	2	0
PITG_06012 | Pi conserved hypothetical protein (669 nt)	8	22	0
PITG_06013 | Pi conserved hypothetical protein (744 nt)	11	64	0
PITG_06014 | Pi conserved hypothetical protein (1740 nt)	0	0	0
PITG_06015 | Pi glucokinase, putative (1401 nt)	5	116	1
PITG_06016 | Pi glucokinase, putative (1245 nt)	108	55	5
PITG_06019 | Pi glucokinase, putative (919 nt)	130	85	0
PITG_06021 | Pi glucokinase, putative (1041 nt)	318	87	0
PITG_06022 | Pi glucokinase, putative (1126 nt)	220	39	0
PITG_06023 | Pi conserved hypothetical protein (1107 nt)	0	0	0
PITG_06025 | Pi conserved hypothetical protein (2390 nt)	37	95	0
PITG_06026 | Pi conserved hypothetical protein (1015 nt)	4	20	0
PITG_06027 | Pi hypothetical protein (1266 nt)	0	107	0
PITG_06031 | Pi conserved hypothetical protein (2188 nt)	0	27	0
PITG_06033 | Pi conserved hypothetical protein (941 nt)	1	18	0
PITG_06034 | Pi conserved hypothetical protein (1369 nt)	2	13	0
PITG_06035 | Pi conserved hypothetical protein (1038 nt)	10	13	0
PITG_06038 | Pi conserved hypothetical protein (977 nt)	10	15	0
PITG_06039 | Pi conserved hypothetical protein (843 nt)	0	12	0
PITG_06040 | Pi conserved hypothetical protein (2080 nt)	6	11	0
PITG_06046 | Pi conserved hypothetical protein (547 nt)	5	15	0
PITG_06047 | Pi conserved hypothetical protein (905 nt)	3	7	0
PITG_06048 | Pi eukaryotic initiation factor 4A-III, putative (1420 nt)	3	24	0
PITG_06050 | Pi Crinkler (CRN) family protein (1890 nt)	35	267	0
PITG_06056 | Pi hypothetical protein (2034 nt)	18	24	0

PITG_06067	| Pi conserved hypothetical protein (1275 nt)	1	18	0
PITG_06075	| Pi conserved hypothetical protein (3266 nt)	13	30	0
PITG_06078	| Pi hypothetical protein (1057 nt)	1	8	0
PITG_06084	| Pi conserved hypothetical protein (1456 nt)	5	485	0
PITG_06085	| Pi hypothetical protein (1199 nt)	40	297	0
PITG_06087	| Pi secreted RxLR effector peptide, putative (384 nt)	0	0	9
PITG_06088	| Pi conserved hypothetical protein (1754 nt)	10	22	0
PITG_06094	| Pi secreted RxLR effector peptide, putative (489 nt)	9	0	7
PITG_06101	| Pi conserved hypothetical protein (1162 nt)	7	21	0
PITG_06106	| Pi Intraflagellar Transport Protein 81 (2181 nt)	0	5	0
PITG_06107	| Pi protein kinase, putative (1699 nt)	2	4	0
PITG_06108	| Pi dihydrolipoyllysine-residue acetyltransferase compo	7	24	4
PITG_06111	| Pi conserved hypothetical protein (409 nt)	18	61	1
PITG_06112	| Pi hypothetical protein (481 nt)	28	56	0
PITG_06113	| Pi hypothetical protein (419 nt)	24	33	0
PITG_06114	| Pi conserved hypothetical protein (4443 nt)	5	42	0
PITG_06118	| Pi V-type proton ATPase subunit B, putative (2559 nt)	10	102	9
PITG_06119	| Pi conserved hypothetical protein (1070 nt)	6	31	1
PITG_06120	| Pi conserved hypothetical protein (1155 nt)	4	53	0
PITG_06121	| Pi conserved hypothetical protein (1154 nt)	9	25	0
PITG_06127	| Pi conserved hypothetical protein (1166 nt)	19	33	0
PITG_06129	| Pi conserved hypothetical protein (1938 nt)	7	44	0
PITG_06131	| Pi conserved hypothetical protein (883 nt)	19	116	3
PITG_06132	| Pi katanin p60 ATPase-containing subunit, putative (31	1	10	0
PITG_06133	| Pi sugar fermentation stimulation protein (1179 nt)	3	12	0
PITG_06139	| Pi conserved hypothetical protein (1730 nt)	0	0	0
PITG_06142	| Pi copine-like protein (2275 nt)	37	467	0
PITG_06143	| Pi Voltage-gated Ion Channel (VIC) Superfamily (1038 n	0	0	0
PITG_06144	| Pi conserved hypothetical protein (421 nt)	2	2	0
PITG_06146	| Pi conserved hypothetical protein (1188 nt)	38	18	0
PITG_06148	| Pi conserved hypothetical protein (1498 nt)	3	10	0
PITG_06149	| Pi conserved hypothetical protein (2283 nt)	3	46	0
PITG_06150	| Pi conserved hypothetical protein (1446 nt)	24	46	0
PITG_06151	| Pi conserved hypothetical protein (600 nt)	6	9	0
PITG_06152	| Pi conserved hypothetical protein (901 nt)	23	35	0
PITG_06155	| Pi conserved hypothetical protein (1230 nt)	15	8	0
PITG_06158	| Pi conserved hypothetical protein (1241 nt)	0	14	0
PITG_06160	| Pi HECT E3 ubiquitin ligase, putative (4422 nt)	0	1	0
PITG_06165	| Pi conserved hypothetical protein (1561 nt)	3	16	0
PITG_06166	| Pi conserved hypothetical protein (1116 nt)	0	0	0
PITG_06167	| Pi conserved hypothetical protein (2883 nt)	0	0	0
PITG_06170	| Pi conserved hypothetical protein (2517 nt)	1	35	0
PITG_06171	| Pi splicing factor 3B subunit 1 (3778 nt)	9	41	0
PITG_06173	| Pi conserved hypothetical protein (1052 nt)	19	38	0
PITG_06176	| Pi conserved hypothetical protein (2960 nt)	0	14	0
PITG_06178	| Pi conserved hypothetical protein (1210 nt)	1	21	0
PITG_06182	| Pi conserved hypothetical protein (1473 nt)	123	41	0

PITG_06184	Pi conserved hypothetical protein (2648 nt)	4	189	0
PITG_06185	Pi ADP-ribosylation factor 2 (1004 nt)	8	27	0
PITG_06189	Pi conserved hypothetical protein (1399 nt)	51	498	0
PITG_06199	Pi Cullin family protein, putative (3859 nt)	28	22	0
PITG_06201	Pi TATA-box-binding protein (1101 nt)	8	8	0
PITG_06202	Pi conserved hypothetical protein (818 nt)	20	18	0
PITG_06203	Pi conserved hypothetical protein (764 nt)	389	551	8
PITG_06204	Pi conserved hypothetical protein (2248 nt)	196	135	0
PITG_06205	Pi ATP-binding Cassette (ABC) Superfamily (6175 nt)	2	23	0
PITG_06212	Pi conserved hypothetical protein (813 nt)	1	0	13
PITG_06213	Pi Resistance-Nodulation-Cell Division (RND) Superfamily (1004 nt)	1	20	0
PITG_06215	Pi conserved hypothetical protein (1249 nt)	20	98	2
PITG_06217	Pi hypothetical protein (365 nt)	0	23	0
PITG_06218	Pi conserved hypothetical protein (677 nt)	11	28	0
PITG_06219	Pi conserved hypothetical protein (1323 nt)	24	57	0
PITG_06220	Pi conserved hypothetical protein (3013 nt)	1	16	0
PITG_06223	Pi protein kinase, putative (1536 nt)	6	66	0
PITG_06225	Pi flagellar radial spoke protein, putative (1437 nt)	1	2	0
PITG_06227	Pi carbohydrate-binding protein, putative (1080 nt)	10	122	0
PITG_06228	Pi hypothetical protein (641 nt)	1	72	0
PITG_06231	Pi anaphase-promoting complex subunit, putative (301 nt)	6	26	0
PITG_06232	Pi hypothetical protein (638 nt)	4	29	0
PITG_06233	Pi conserved hypothetical protein (811 nt)	2	15	0
PITG_06236	Pi cleavage induced protein kinase (1250 nt)	0	5	0
PITG_06237	Pi 60S ribosomal protein L8, putative (1172 nt)	246	468	85
PITG_06238	Pi conserved hypothetical protein (736 nt)	9	14	0
PITG_06240	Pi conserved hypothetical protein (1690 nt)	4	20	0
PITG_06241	Pi conserved hypothetical protein (1025 nt)	38	219	1
PITG_06242	Pi conserved hypothetical protein (797 nt)	42	122	1
PITG_06244	Pi hypothetical protein (2175 nt)	150	141	0
PITG_06247	Pi conserved hypothetical protein (537 nt)	2	46	0
PITG_06248	Pi ATP-binding Cassette (ABC) Superfamily (3961 nt)	0	2	0
PITG_06256	Pi conserved hypothetical protein (5536 nt)	0	11	0
PITG_06257	Pi conserved hypothetical protein (6418 nt)	0	14	0
PITG_06258	Pi conserved hypothetical protein (753 nt)	0	12	0
PITG_06259	Pi calcium/calmodulin-dependent protein kinase, putative (1799 nt)	4	30	0
PITG_06260	Pi dihydroxyacetone kinase, putative (1799 nt)	1	19	0
PITG_06261	Pi conserved hypothetical protein (759 nt)	0	0	0
PITG_06262	Pi U3 small nucleolar ribonucleoprotein protein IMP3 (1004 nt)	7	10	0
PITG_06263	Pi H/ACA ribonucleoprotein complex subunit 4 (2103 nt)	7	22	3
PITG_06267	Pi cysteine synthase, putative (1215 nt)	6	29	0
PITG_06272	Pi conserved hypothetical protein (1471 nt)	6	38	0
PITG_06273	Pi conserved hypothetical protein (922 nt)	0	0	0
PITG_06274	Pi ubiquitin-specific protease, putative (2090 nt)	17	46	0
PITG_06281	Pi conserved hypothetical protein (4655 nt)	4	27	0
PITG_06282	Pi ubiquitin-specific protease, putative (1536 nt)	1	24	0
PITG_06283	Pi beta-catenin-like protein (1851 nt)	2	14	0

PITG_06285	Pi conserved hypothetical protein (998 nt)	1	28	0
PITG_06288	Pi protein kinase (2737 nt)	4	21	0
PITG_06289	Pi conserved hypothetical protein (1754 nt)	31	33	0
PITG_06290	Pi secreted RxLR effector peptide, putative (483 nt)	184	1008	70
PITG_06296	Pi ATP-binding Cassette (ABC) Superfamily (5895 nt)	0	21	0
PITG_06302	Pi M96 mating-specific protein family (849 nt)	9	38	0
PITG_06303	Pi conserved hypothetical protein (2000 nt)	2	46	0
PITG_06304	Pi conserved hypothetical protein (2001 nt)	0	20	0
PITG_06305	Pi secreted RxLR effector peptide, putative (276 nt)	125	1194	82
PITG_06309	Pi Voltage-gated Ion Channel (VIC) Superfamily (2325 n	0	0	0
PITG_06318	Pi conserved hypothetical protein (2615 nt)	0	3	0
PITG_06319	Pi myotubularin-like protein (4485 nt)	2	15	0
PITG_06320	Pi T-complex protein 1 subunit epsilon (1838 nt)	21	135	7
PITG_06322	Pi myosin-like protein (9897 nt)	1	39	1
PITG_06323	Pi endomembrane protein 70-like protein, putative (21	29	136	0
PITG_06324	Pi hypothetical protein (1633 nt)	8	74	0
PITG_06325	Pi conserved hypothetical protein (1299 nt)	304	872	19
PITG_06327	Pi chromodomain protein, putative (1504 nt)	0	0	0
PITG_06328	Pi Rab8 family GTPase, putative (2041 nt)	6	38	0
PITG_06329	Pi conserved hypothetical protein (457 nt)	7	8	0
PITG_06332	Pi sugar transporter, putative (1545 nt)	6	13	0
PITG_06333	Pi hypothetical protein (919 nt)	2	13	0
PITG_06335	Pi conserved hypothetical protein (3335 nt)	26	4	0
PITG_06336	Pi Glycoside-Pentoside-Hexuronide (GPH):Cation Symp	1	0	0
PITG_06342	Pi conserved hypothetical protein (4365 nt)	2	28	0
PITG_06343	Pi N-terminal acetyltransferase complex ARD1 subunit	11	37	0
PITG_06345	Pi conserved hypothetical protein (2853 nt)	4	21	0
PITG_06346	Pi conserved hypothetical protein (1456 nt)	3	8	0
PITG_06351	Pi U2 snRNP component IST3 (813 nt)	6	16	0
PITG_06353	Pi conserved hypothetical protein (1707 nt)	5	13	0
PITG_06354	Pi conserved hypothetical protein (1754 nt)	0	12	0
PITG_06355	Pi conserved hypothetical protein (2869 nt)	0	15	0
PITG_06356	Pi conserved hypothetical protein (959 nt)	4	32	0
PITG_06358	Pi callose synthase, putative (7335 nt)	2	78	0
PITG_06359	Pi conserved hypothetical protein (1237 nt)	5	66	1
PITG_06360	Pi conserved hypothetical protein (1029 nt)	0	6	0
PITG_06363	Pi conserved hypothetical protein (1885 nt)	0	25	0
PITG_06365	Pi conserved hypothetical protein (1917 nt)	7	93	0
PITG_06367	Pi conserved hypothetical protein (1007 nt)	4	21	0
PITG_06369	Pi myosin-like protein (840 nt)	7	39	0
PITG_06373	Pi putative GPI-anchored serine-rich elicitor INL3b-like |	0	17	0
PITG_06374	Pi Lysosomal Cystine Transporter (LCT) Family (906 nt)	25	152	0
PITG_06376	Pi guanine nucleotide-binding protein G(I)/G(S)/G(T) su	9	69	0
PITG_06379	Pi serine/threonine protein kinase (1971 nt)	2	40	0
PITG_06380	Pi conserved hypothetical protein (6592 nt)	1	24	0
PITG_06381	Pi hypothetical protein (468 nt)	8	23	18
PITG_06382	Pi conserved hypothetical protein (807 nt)	0	3	0

PITG_06383	Pi conserved hypothetical protein (2769 nt)	8	160	0
PITG_06384	Pi conserved hypothetical protein (868 nt)	1	11	0
PITG_06385	Pi conserved hypothetical protein (899 nt)	46	143	8
PITG_06387	Pi conserved hypothetical protein (583 nt)	4	15	0
PITG_06388	Pi conserved hypothetical protein (857 nt)	17	44	0
PITG_06390	Pi conserved hypothetical protein (3043 nt)	28	42	0
PITG_06392	Pi hypothetical protein (1540 nt)	4	53	0
PITG_06393	Pi hypothetical protein (2765 nt)	1	16	0
PITG_06394	Pi conserved hypothetical protein (1365 nt)	0	15	0
PITG_06396	Pi N-acetyltransferase, putative (546 nt)	10	28	0
PITG_06398	Pi conserved hypothetical protein (1713 nt)	0	6	0
PITG_06402	Pi formin-homology 2 domain-containing protein (3315 nt)	5	10	0
PITG_06403	Pi conserved hypothetical protein (1558 nt)	5	43	0
PITG_06404	Pi conserved hypothetical protein (816 nt)	127	932	34
PITG_06405	Pi conserved hypothetical protein (2593 nt)	0	24	0
PITG_06406	Pi HECT E3 ubiquitin ligase, putative (648 nt)	3	28	0
PITG_06407	Pi conserved hypothetical protein (600 nt)	1	16	0
PITG_06408	Pi conserved hypothetical protein (1849 nt)	45	238	7
PITG_06410	Pi conserved hypothetical protein (6512 nt)	18	45	0
PITG_06415	Pi heat shock protein 90 (2300 nt)	256	1262	115
PITG_06416	Pi conserved hypothetical protein (2157 nt)	7	10	0
PITG_06417	Pi conserved hypothetical protein (1845 nt)	0	11	0
PITG_06423	Pi conserved hypothetical protein (420 nt)	167	48	1
PITG_06424	Pi formin-homology 2 domain-containing protein (3877 nt)	9	48	0
PITG_06425	Pi conserved hypothetical protein (547 nt)	9	8	0
PITG_06426	Pi conserved hypothetical protein (1035 nt)	6	20	0
PITG_06427	Pi serine hydroxymethyltransferase, mitochondrial precursor (648 nt)	9	195	22
PITG_06428	Pi callose synthase, putative (6861 nt)	1	29	0
PITG_06429	Pi HECT E3 ubiquitin ligase, putative (14892 nt)	1	32	0
PITG_06430	Pi conserved hypothetical protein (1141 nt)	13	115	5
PITG_06437	Pi enoyl-CoA hydratase/isomerase family, putative (871 nt)	0	21	0
PITG_06438	Pi conserved hypothetical protein (1345 nt)	0	16	0
PITG_06440	Pi eukaryotic translation initiation factor 2A, putative (648 nt)	4	20	0
PITG_06448	Pi pyruvate carboxylase, mitochondrial precursor (2075 nt)	1	82	1
PITG_06449	Pi pyruvate carboxylase, putative (738 nt)	12	374	11
PITG_06450	Pi myosin-like protein (3489 nt)	2	30	0
PITG_06452	Pi formin-homology 2 domain-containing protein (2602 nt)	4	26	0
PITG_06453	Pi conserved hypothetical protein (363 nt)	7	44	0
PITG_06454	Pi adenosylmethionine-8-amino-7-oxononanoate aminotransferase (1035 nt)	1	39	0
PITG_06456	Pi maintenance of ploidy protein mob1 (780 nt)	1	1	0
PITG_06457	Pi conserved hypothetical protein (1426 nt)	14	52	0
PITG_06471	Pi conserved hypothetical protein (1972 nt)	4	64	0
PITG_06474	Pi conserved hypothetical protein (1321 nt)	12	204	0
PITG_06475	Pi conserved hypothetical protein (988 nt)	6	18	1
PITG_06476	Pi carbohydrate-binding protein, putative (1213 nt)	3	101	0
PITG_06479	Pi inositol oxygenase, putative (1762 nt)	14	90	0
PITG_06480	Pi protein kinase, putative (6057 nt)	11	29	0

PITG_06482	Pi eukaryotic translation initiation factor 3 subunit, put	3	21	2
PITG_06483	Pi conserved hypothetical protein (1048 nt)	26	77	0
PITG_06484	Pi conserved hypothetical protein (480 nt)	11	15	0
PITG_06486	Pi hypothetical protein (821 nt)	2	38	0
PITG_06487	Pi conserved hypothetical protein (1194 nt)	11	5	0
PITG_06494	Pi conserved hypothetical protein (1341 nt)	0	2	0
PITG_06495	Pi M96 mating-specific protein family (531 nt)	1	10	0
PITG_06501	Pi conserved hypothetical protein (882 nt)	3	11	0
PITG_06502	Pi conserved hypothetical protein (2315 nt)	0	26	0
PITG_06503	Pi hypothetical protein (1469 nt)	21	528	0
PITG_06506	Pi conserved hypothetical protein (861 nt)	8	1	0
PITG_06507	Pi conserved hypothetical protein (1096 nt)	9	15	0
PITG_06508	Pi conserved hypothetical protein (4042 nt)	0	10	0
PITG_06510	Pi conserved hypothetical protein (925 nt)	54	120	0
PITG_06512	Pi conserved hypothetical protein (1622 nt)	35	249	0
PITG_06513	Pi hypothetical protein (577 nt)	1	11	0
PITG_06514	Pi calmodulin (649 nt)	74	528	103
PITG_06516	Pi conserved hypothetical protein (757 nt)	4	17	0
PITG_06517	Pi conserved hypothetical protein (1863 nt)	0	11	0
PITG_06518	Pi phospho-2-dehydro-3-deoxyheptonate aldolase (151	4	4	0
PITG_06519	Pi conserved hypothetical protein (1617 nt)	1	0	0
PITG_06521	Pi conserved hypothetical protein (5626 nt)	0	8	0
PITG_06529	Pi conserved hypothetical protein (2592 nt)	0	0	0
PITG_06536	Pi conserved hypothetical protein (2385 nt)	1	10	0
PITG_06538	Pi ATP-binding Cassette (ABC) Superfamily (501 nt)	7	25	0
PITG_06539	Pi conserved hypothetical protein (540 nt)	1	31	0
PITG_06545	Pi exonuclease 1, putative (9349 nt)	11	13	0
PITG_06551	Pi conserved hypothetical protein (1907 nt)	3	10	0
PITG_06554	Pi cytochrome P450, putative (4126 nt)	1	12	2
PITG_06556	Pi transmembrane protein, putative (1556 nt)	1	26	0
PITG_06557	Pi cytochrome P450, putative (3892 nt)	2	21	0
PITG_06558	Pi conserved hypothetical protein (1380 nt)	4	34	1
PITG_06559	Pi conserved hypothetical protein (1132 nt)	0	12	0
PITG_06566	Pi long-chain-fatty-acid-CoA ligase, putative (2152 nt)	17	107	1
PITG_06570	Pi long-chain-fatty-acid-CoA ligase, putative (2636 nt)	22	46	0
PITG_06574	Pi long-chain-fatty-acid-CoA ligase, putative (1887 nt)	0	31	0
PITG_06575	Pi transmembrane protein, putative (3054 nt)	1	12	0
PITG_06576	Pi conserved hypothetical protein (1092 nt)	0	13	0
PITG_06577	Pi conserved hypothetical protein (766 nt)	83	142	0
PITG_06578	Pi protein kinase (1389 nt)	2	12	0
PITG_06579	Pi conserved hypothetical protein (819 nt)	32	94	1
PITG_06580	Pi conserved hypothetical protein (3943 nt)	0	1	0
PITG_06589	Pi conserved hypothetical protein (1167 nt)	6	28	0
PITG_06591	Pi berberine-like protein (1700 nt)	0	0	50
PITG_06593	Pi conserved hypothetical protein (1815 nt)	6	18	0
PITG_06594	Pi serine/threonine protein phosphatase 2A (1888 nt)	7	33	1
PITG_06595	Pi ATP synthase subunit beta, putative (1595 nt)	51	358	82

PITG_06596	Pi conserved hypothetical protein (1272 nt)	3	33	1
PITG_06597	Pi protein phosphatase 2A regulatory B subunit, putative	47	155	1
PITG_06598	Pi conserved hypothetical protein (1611 nt)	3	17	0
PITG_06599	Pi conserved hypothetical protein (984 nt)	9	98	0
PITG_06602	Pi conserved hypothetical protein (1790 nt)	12	37	0
PITG_06603	Pi hypothetical protein (468 nt)	8	51	1
PITG_06604	Pi fumarate hydratase, mitochondrial precursor (2089 nt)	4	53	3
PITG_06605	Pi conserved hypothetical protein (1433 nt)	0	2	0
PITG_06606	Pi UDP-N-acetylglucosamine-peptide N-acetylglucosaminyl transferase, putative	0	4	0
PITG_06607	Pi protein kinase, putative (2332 nt)	0	2	0
PITG_06608	Pi ubiquitin-conjugating enzyme E2, putative (764 nt)	106	274	5
PITG_06609	Pi conserved hypothetical protein (1221 nt)	13	17	0
PITG_06610	Pi tRNA nucleotidyltransferase, putative (1847 nt)	13	14	0
PITG_06611	Pi vacuolar amino acid transporter, putative (1810 nt)	5	29	0
PITG_06613	Pi hypothetical protein (645 nt)	0	14	0
PITG_06614	Pi conserved hypothetical protein (1416 nt)	2	9	0
PITG_06615	Pi H ⁺ - or Na ⁺ -translocating F-type, V-type and A-type ATPase	12	100	1
PITG_06618	Pi conserved hypothetical protein (1107 nt)	2	17	0
PITG_06619	Pi ADP-ribosylation factor family (1012 nt)	57	270	5
PITG_06629	Pi conserved hypothetical protein (1112 nt)	0	4	0
PITG_06630	Pi conserved hypothetical protein (6368 nt)	0	6	0
PITG_06631	Pi conserved hypothetical protein (1938 nt)	21	134	0
PITG_06632	Pi conserved hypothetical protein (790 nt)	2	16	0
PITG_06635	Pi signal recognition particle, putative (2795 nt)	27	110	0
PITG_06636	Pi conserved hypothetical protein (606 nt)	11	33	0
PITG_06637	Pi Drug/Metabolite Transporter (DMT) Superfamily (1100 nt)	13	62	0
PITG_06638	Pi lysocardiolipin acyltransferase, putative (1329 nt)	4	12	0
PITG_06640	Pi conserved hypothetical protein (1302 nt)	4	6	0
PITG_06642	Pi conserved hypothetical protein (1129 nt)	2	16	0
PITG_06643	Pi conserved hypothetical protein (1753 nt)	4	30	0
PITG_06646	Pi conserved hypothetical protein (4498 nt)	0	4	0
PITG_06647	Pi conserved hypothetical protein (1443 nt)	4	34	0
PITG_06648	Pi conserved hypothetical protein (759 nt)	2	13	0
PITG_06649	Pi adenyl cyclase-associated protein, putative (1414 nt)	19	107	5
PITG_06651	Pi adiponectin receptor protein, putative (1700 nt)	6	29	0
PITG_06652	Pi conserved hypothetical protein (874 nt)	2	16	0
PITG_06655	Pi hypothetical protein (327 nt)	0	0	0
PITG_06657	Pi thioredoxin-like protein (1092 nt)	15	49	2
PITG_06658	Pi conserved hypothetical protein (433 nt)	19	42	0
PITG_06659	Pi conserved hypothetical protein (848 nt)	10	55	0
PITG_06660	Pi peroxisome biogenesis factor, putative (4144 nt)	3	22	0
PITG_06661	Pi Chloride Channel (ClC) Family (2119 nt)	0	4	0
PITG_06662	Pi conserved hypothetical protein (2303 nt)	5	34	0
PITG_06663	Pi hypothetical protein (1215 nt)	6	34	0
PITG_06664	Pi conserved hypothetical protein (1578 nt)	4	16	0
PITG_06666	Pi kinesin-like protein (2770 nt)	1	0	0
PITG_06668	Pi ATP-binding Cassette (ABC) Superfamily (8369 nt)	3	16	0

PITG_06669	Pi conserved hypothetical protein (1191 nt)	192	16	0
PITG_06671	Pi canalicular multispecific organic anion transporter, p	0	18	0
PITG_06672	Pi P-type ATPase (P-ATPase) Superfamily (3138 nt)	1	0	0
PITG_06673	Pi Major Facilitator Superfamily (MFS) (2166 nt)	2	24	0
PITG_06674	Pi acetyl-CoA acetyltransferase IB (474 nt)	11	36	0
PITG_06677	Pi conserved hypothetical protein (1181 nt)	20	15	0
PITG_06678	Pi conserved hypothetical protein (1004 nt)	137	19	0
PITG_06679	Pi casein kinase II subunit beta (1229 nt)	87	132	0
PITG_06680	Pi conserved hypothetical protein (1031 nt)	1	10	0
PITG_06682	Pi conserved hypothetical protein (4348 nt)	0	10	0
PITG_06684	Pi conserved hypothetical protein (1592 nt)	1	25	0
PITG_06686	Pi conserved hypothetical protein (2067 nt)	4	15	0
PITG_06689	Pi sporangia induced conserved hypothetical protein (1	1	9	0
PITG_06690	Pi conserved hypothetical protein (863 nt)	48	127	1
PITG_06691	Pi cell division control protein 42 (1236 nt)	24	81	0
PITG_06692	Pi serine protease family S09X, putative (1285 nt)	10	24	0
PITG_06693	Pi trifunctional enzyme subunit alpha, putative (2244 n	7	190	0
PITG_06694	Pi conserved hypothetical protein (1201 nt)	3	25	0
PITG_06695	Pi conserved hypothetical protein (1404 nt)	11	26	0
PITG_06698	Pi ATP-binding Cassette (ABC) Superfamily (2863 nt)	3	19	0
PITG_06700	Pi cell division cycle protein 48 (2039 nt)	1	29	0
PITG_06701	Pi dual specificity protein kinase, putative (1580 nt)	0	12	0
PITG_06702	Pi conserved hypothetical protein (1540 nt)	20	77	0
PITG_06703	Pi conserved hypothetical protein (490 nt)	0	13	0
PITG_06705	Pi conserved hypothetical protein (1633 nt)	4	22	0
PITG_06706	Pi conserved hypothetical protein (445 nt)	10	10	0
PITG_06708	Pi cyclin-dependent kinase, putative (2415 nt)	10	32	0
PITG_06710	Pi conserved hypothetical protein (1204 nt)	0	22	0
PITG_06714	Pi conserved hypothetical protein (3310 nt)	0	11	0
PITG_06715	Pi serine/threonine-protein phosphatase PP2A catalytic	1	15	4
PITG_06716	Pi tafazzin-like protein (1282 nt)	3	13	0
PITG_06718	Pi tenascin-like protein (2301 nt)	0	2	0
PITG_06719	Pi glycerol-3-phosphate dehydrogenase, mitochondrial	26	82	0
PITG_06720	Pi conserved hypothetical protein (5418 nt)	0	6	0
PITG_06721	Pi conserved hypothetical protein (649 nt)	0	2	0
PITG_06722	Pi translation elongation factor 1-alpha, putative (1528	459	829	309
PITG_06723	Pi conserved hypothetical protein (973 nt)	72	164	0
PITG_06725	Pi conserved hypothetical protein (2837 nt)	0	0	0
PITG_06726	Pi Voltage-gated Ion Channel (VIC) Superfamily (866 nt)	0	2	0
PITG_06727	Pi Voltage-gated Ion Channel (VIC) Superfamily (1441 n	0	3	0
PITG_06731	Pi H ⁻ -translocating Pyrophosphatase (H ⁻ -PPase) Family	40	126	8
PITG_06732	Pi acyl-CoA dehydrogenase, putative (1461 nt)	47	93	0
PITG_06733	Pi transmembrane protein, putative (2112 nt)	7	6	0
PITG_06734	Pi conserved hypothetical protein (2133 nt)	0	0	0
PITG_06735	Pi conserved hypothetical protein (1696 nt)	4	45	0
PITG_06739	Pi conserved hypothetical protein (493 nt)	42	40	1
PITG_06740	Pi conserved hypothetical protein (765 nt)	8	11	0

PITG_06741 | Pi conserved hypothetical protein (8256 nt)	1	10	0
PITG_06748 | Pi myb-like DNA-binding protein, putative (2053 nt)	5	40	0
PITG_06749 | Pi bifunctional dihydrofolate reductase-thymidylate synthase (4836 nt)	3	17	0
PITG_06753 | Pi paired amphipathic helix protein Sin3, putative (4836 nt)	6	51	0
PITG_06754 | Pi conserved hypothetical protein (845 nt)	8	21	0
PITG_06755 | Pi acyl-CoA dehydrogenase/oxidase (2491 nt)	3	11	0
PITG_06757 | Pi conserved hypothetical protein (916 nt)	35	182	0
PITG_06758 | Pi conserved hypothetical protein (654 nt)	6	60	1
PITG_06759 | Pi conserved hypothetical protein (3396 nt)	83	83	0
PITG_06760 | Pi conserved hypothetical protein (696 nt)	16	48	0
PITG_06762 | Pi conserved hypothetical protein (2014 nt)	40	40	0
PITG_06764 | Pi phosphatidylinositol transfer protein SFH5, putative (1815 nt)	7	18	0
PITG_06765 | Pi conserved hypothetical protein (760 nt)	10	35	0
PITG_06766 | Pi conserved hypothetical protein (1797 nt)	11	44	0
PITG_06767 | Pi transmembrane protein Gpr7-like protein (1815 nt)	18	55	0
PITG_06769 | Pi conserved hypothetical protein (1080 nt)	4	20	0
PITG_06770 | Pi hypothetical protein (444 nt)	1	10	0
PITG_06771 | Pi 40S ribosomal protein S24, putative (944 nt)	360	640	102
PITG_06772 | Pi ATP-binding cassette sub-family F member 1 (2707 nt)	13	23	0
PITG_06773 | Pi regulator of chromosome condensation (RCC1), putative (1730 nt)	1	2	0
PITG_06774 | Pi conserved hypothetical protein (454 nt)	0	14	0
PITG_06775 | Pi conserved hypothetical protein (398 nt)	5	12	0
PITG_06776 | Pi RAC family serine/threonine-protein kinase (2717 nt)	4	20	0
PITG_06778 | Pi clusterin-associated protein 1 (1386 nt)	0	5	0
PITG_06780 | Pi conserved hypothetical protein (1753 nt)	18	45	0
PITG_06781 | Pi conserved hypothetical protein (859 nt)	8	43	0
PITG_06782 | Pi serine protease family S33, putative (6984 nt)	2	11	0
PITG_06783 | Pi quinolinate synthetase A protein, putative (1730 nt)	4	22	0
PITG_06788 | Pi exoglucanase 1 precursor (1575 nt)	0	2	0
PITG_06790 | Pi Ufm1-conjugating enzyme 1 (568 nt)	33	85	0
PITG_06791 | Pi conserved hypothetical protein (1442 nt)	3	7	0
PITG_06792 | Pi conserved hypothetical protein (4242 nt)	1	11	0
PITG_06793 | Pi conserved hypothetical protein (918 nt)	3	21	0
PITG_06794 | Pi putative methyltransferase METT10D (1723 nt)	3	19	0
PITG_06796 | Pi conserved hypothetical protein (1294 nt)	5	15	0
PITG_06799 | Pi ribosomal protein L27 (785 nt)	177	241	89
PITG_06802 | Pi conserved hypothetical protein (1399 nt)	8	23	0
PITG_06803 | Pi conserved hypothetical protein (2788 nt)	0	12	0
PITG_06804 | Pi conserved hypothetical protein (16341 nt)	0	1	0
PITG_06805 | Pi carbohydrate-binding protein, putative (1113 nt)	36	58	0
PITG_06806 | Pi hypothetical protein (324 nt)	55	213	0
PITG_06808 | Pi trehalase, putative (1971 nt)	1	10	0
PITG_06810 | Pi conserved hypothetical protein (962 nt)	2	5	0
PITG_06813 | Pi conserved hypothetical protein (932 nt)	31	83	1
PITG_06814 | Pi tyrosine phosphatase, putative (2277 nt)	25	109	5
PITG_06815 | Pi NADH dehydrogenase flavoprotein 1, mitochondrial (1079 nt)	40	155	8
PITG_06816 | Pi conserved hypothetical protein (1079 nt)	3	26	0

PITG_06817	Pi inactive ubiquitin carboxyl-terminal hydrolase, putat	4	27	0
PITG_06818	Pi conserved hypothetical protein (1546 nt)	0	23	0
PITG_06819	Pi transcription elongation factor, putative (1438 nt)	4	21	0
PITG_06820	Pi trehalase, putative (2103 nt)	6	12	0
PITG_06821	Pi eukaryotic initiation factor 4E, putative (1997 nt)	1	23	0
PITG_06822	Pi sulfatase-like protein (3142 nt)	15	50	0
PITG_06827	Pi DEAD/DEAH box RNA helicase, putative (2046 nt)	17	19	0
PITG_06828	Pi trehalose-phosphatase, putative (3522 nt)	9	49	0
PITG_06829	Pi conserved hypothetical protein (9345 nt)	4	24	0
PITG_06830	Pi ubiquitin-conjugating enzyme E2, putative (834 nt)	0	6	0
PITG_06832	Pi ubiquitin-specific protease, putative (5758 nt)	1	21	0
PITG_06836	Pi conserved hypothetical protein (769 nt)	3	9	0
PITG_06841	Pi conserved hypothetical protein (2425 nt)	3	31	0
PITG_06844	Pi hypothetical protein (1403 nt)	8	23	0
PITG_06845	Pi riboflavin kinase (601 nt)	23	41	0
PITG_06846	Pi Drug/Metabolite Transporter (DMT) Superfamily (90	9	8	0
PITG_06847	Pi conserved hypothetical protein (2232 nt)	3	12	0
PITG_06849	Pi conserved hypothetical protein (1628 nt)	12	53	0
PITG_06850	Pi conserved hypothetical protein (1271 nt)	8	8	0
PITG_06851	Pi conserved hypothetical protein (1061 nt)	7	63	0
PITG_06852	Pi ATP-binding Cassette (ABC) Superfamily (1918 nt)	12	30	0
PITG_06853	Pi conserved hypothetical protein (1980 nt)	2	9	0
PITG_06854	Pi conserved hypothetical protein (620 nt)	0	0	0
PITG_06855	Pi inorganic phosphate transporter, putative (1540 nt)	2	8	0
PITG_06856	Pi kinesin-like protein (1143 nt)	0	15	0
PITG_06860	Pi ATP-binding Cassette (ABC) Superfamily (4112 nt)	11	694	0
PITG_06861	Pi conserved hypothetical protein (1298 nt)	2	9	0
PITG_06862	Pi ATP-binding Cassette (ABC) Superfamily (4122 nt)	3	306	0
PITG_06863	Pi ATP-binding Cassette (ABC) Superfamily (4098 nt)	6	113	0
PITG_06864	Pi cytosolic endo-beta-N-acetylglucosaminidase, putati	4	9	0
PITG_06867	Pi conserved hypothetical protein (1454 nt)	12	14	0
PITG_06869	Pi conserved hypothetical protein (1796 nt)	4	34	0
PITG_06871	Pi ankyrin-like protein (3315 nt)	4	23	0
PITG_06873	Pi aspartyl-tRNA synthetase, putative (754 nt)	1	45	0
PITG_06877	Pi conserved hypothetical protein (2757 nt)	6	22	0
PITG_06880	Pi mitogen-activated protein kinase kinase kinase, puta	0	13	0
PITG_06884	Pi conserved hypothetical protein (1061 nt)	6	47	0
PITG_06885	Pi membrane-bound transcription factor site-1 proteas	0	12	0
PITG_06886	Pi conserved hypothetical protein (932 nt)	9	26	0
PITG_06887	Pi myosin-like protein (1178 nt)	6	44	0
PITG_06889	Pi peptidase, putative (2249 nt)	10	127	0
PITG_06890	Pi peptidase, putative (1581 nt)	16	71	0
PITG_06891	Pi S-formylglutathione hydrolase, putative (911 nt)	4	42	1
PITG_06893	Pi conserved hypothetical protein (2139 nt)	4	16	0
PITG_06894	Pi O-sialoglycoprotein endopeptidase, putative (1740 n	5	18	0
PITG_06895	Pi conserved hypothetical protein (1823 nt)	8	59	0
PITG_06896	Pi proline iminopeptidase (1192 nt)	7	26	0

PITG_06897	Pi conserved hypothetical protein (1969 nt)	4	12	0
PITG_06898	Pi conserved hypothetical protein (3454 nt)	9	14	0
PITG_06899	Pi conserved hypothetical protein (2743 nt)	5	12	0
PITG_06900	Pi beta-secretase, putative (2660 nt)	12	21	0
PITG_06901	Pi conserved hypothetical protein (825 nt)	0	18	0
PITG_06902	Pi conserved hypothetical protein (6729 nt)	1	24	0
PITG_06903	Pi conserved hypothetical protein (2970 nt)	5	28	0
PITG_06904	Pi conserved hypothetical protein (885 nt)	0	0	0
PITG_06906	Pi conserved hypothetical protein (2088 nt)	25	259	0
PITG_06907	Pi regulator of chromosome condensation (RCC1)-like p	4	20	0
PITG_06908	Pi elicitin-like protein (522 nt)	0	1	0
PITG_06910	Pi Mitochondrial Carrier (MC) Family (1056 nt)	1	16	0
PITG_06911	Pi translation initiation factor IF-2, putative (1972 nt)	2	9	0
PITG_06912	Pi Amino Acid/Auxin Permease (AAP) Family (1493 nt)	5	24	0
PITG_06913	Pi conserved hypothetical protein (5405 nt)	2	9	0
PITG_06915	Pi flagella associated protein (1619 nt)	2	0	0
PITG_06916	Pi conserved hypothetical protein (3997 nt)	0	1	0
PITG_06917	Pi Phosphatidylinositol-3-phosphate5- kinase (Fab-like;	8	20	0
PITG_06918	Pi conserved hypothetical protein (453 nt)	31	56	0
PITG_06919	Pi conserved hypothetical protein (1279 nt)	7	64	0
PITG_06920	Pi SEC1 family transporter SLY1 (1888 nt)	2	29	0
PITG_06921	Pi conserved hypothetical protein (465 nt)	14	38	0
PITG_06922	Pi conserved hypothetical protein (651 nt)	9	8	0
PITG_06923	Pi conserved hypothetical protein (1964 nt)	1	6	0
PITG_06924	Pi conserved hypothetical protein (3833 nt)	1	15	0
PITG_06926	Pi cysteine protease family C01A, putative (1245 nt)	0	0	0
PITG_06929	Pi myotubularin-like protein (3693 nt)	2	25	0
PITG_06934	Pi conserved hypothetical protein (2871 nt)	2	18	0
PITG_06935	Pi HSF-type DNA-binding, putative (1623 nt)	0	16	0
PITG_06937	Pi metalloprotease family M48X, putative (903 nt)	22	2	0
PITG_06938	Pi conserved hypothetical protein (957 nt)	2	10	0
PITG_06939	Pi conserved hypothetical protein (1181 nt)	1	8	0
PITG_06941	Pi conserved hypothetical protein (3400 nt)	3	23	0
PITG_06942	Pi conserved hypothetical protein (876 nt)	6	18	0
PITG_06943	Pi conserved hypothetical protein (1647 nt)	10	27	0
PITG_06944	Pi conserved hypothetical protein (547 nt)	1	18	0
PITG_06945	Pi conserved hypothetical protein (3461 nt)	1	14	0
PITG_06946	Pi conserved hypothetical protein (2130 nt)	1	16	0
PITG_06948	Pi ubiquitin-conjugating enzyme E2, putative (689 nt)	20	61	0
PITG_06949	Pi Intraflagellar Transport Protein 20 (713 nt)	1	7	0
PITG_06950	Pi histone H3.3 (880 nt)	192	271	4
PITG_06953	Pi histone H3.3 (528 nt)	108	61	0
PITG_06962	Pi endoglucanase, putative (1715 nt)	7	9	1
PITG_06963	Pi cyclin-Y-like protein (2863 nt)	5	11	0
PITG_06964	Pi protein kinase, putative (2352 nt)	0	0	0
PITG_06965	Pi cleavage induced conserved hypothetical protein (45	0	1	0
PITG_06966	Pi conserved hypothetical protein (1446 nt)	13	32	0

PITG_06967	Pi conserved hypothetical protein (1460 nt)	23	19	0
PITG_06968	Pi conserved hypothetical protein (2451 nt)	13	29	1
PITG_06969	Pi oxidoreductase, putative (1123 nt)	15	51	2
PITG_06970	Pi conserved hypothetical protein (3040 nt)	6	101	0
PITG_06972	Pi conserved hypothetical protein (631 nt)	22	23	0
PITG_06976	Pi conserved hypothetical protein (1373 nt)	21	313	0
PITG_06978	Pi metalloprotease family M20D, putative (2049 nt)	3	8	0
PITG_06979	Pi aspartate carbamoyltransferase (1271 nt)	15	24	0
PITG_06980	Pi conserved hypothetical protein (894 nt)	13	33	0
PITG_06981	Pi DEAD/DEAH box RNA helicase, putative (2637 nt)	3	10	0
PITG_06982	Pi short chain dehydrogenase, putative (1314 nt)	6	16	0
PITG_06984	Pi stromal cell-derived factor 2 precursor (957 nt)	8	19	0
PITG_06986	Pi 5'-3' exoribonuclease, putative (2994 nt)	3	30	0
PITG_06987	Pi conserved hypothetical protein (924 nt)	0	15	0
PITG_06988	Pi transmembrane protein, putative (1171 nt)	10	25	0
PITG_06989	Pi acyltransferase family (1139 nt)	0	30	0
PITG_06991	Pi FHA domain-interacting nucleolar phosphoprotein, p	5	14	0
PITG_06992	Pi glucosidase 2 subunit beta, putative (3210 nt)	5	25	0
PITG_06995	Pi 60S ribosomal protein L4 (1327 nt)	194	220	48
PITG_06996	Pi conserved hypothetical protein (807 nt)	32	26	0
PITG_06997	Pi conserved hypothetical protein (507 nt)	19	35	0
PITG_07007	Pi hypothetical protein (1026 nt)	1	3	0
PITG_07010	Pi conserved hypothetical protein (1227 nt)	0	13	0
PITG_07011	Pi conserved hypothetical protein (1076 nt)	7	31	0
PITG_07012	Pi transmembrane protein, putative (3789 nt)	0	6	0
PITG_07016	Pi Voltage-gated Ion Channel (VIC) Superfamily (2668 n	0	0	0
PITG_07020	Pi conserved hypothetical protein (568 nt)	2	2	0
PITG_07024	Pi inosine-5'-monophosphate dehydrogenase 2 (1726 r	2	17	1
PITG_07026	Pi conserved hypothetical protein (2849 nt)	3	9	0
PITG_07027	Pi isocitrate lyase (1764 nt)	9	152	0
PITG_07028	Pi peptidyl-prolyl cis-trans isomerase, putative (867 nt)	52	53	1
PITG_07029	Pi palmitoyl-protein thioesterase 1, putative (1415 nt)	30	136	0
PITG_07030	Pi conserved hypothetical protein (1334 nt)	4	34	0
PITG_07031	Pi conserved hypothetical protein (2213 nt)	1	7	0
PITG_07033	Pi conserved hypothetical protein (555 nt)	13	31	0
PITG_07034	Pi myosin-like protein (4211 nt)	2	27	0
PITG_07035	Pi CDK5 regulatory subunit-associated protein 1 (1875	2	14	0
PITG_07036	Pi ubiquitin activating enzyme, E1 family, putative (345	4	57	1
PITG_07038	Pi serine/threonine-protein phosphatase ppe1 (1248 n	10	49	0
PITG_07039	Pi N(4)-(Beta-N-acetylglucosaminy)-L-asparaginase, pu	3	16	0
PITG_07041	Pi conserved hypothetical protein (3501 nt)	16	8	0
PITG_07042	Pi conserved hypothetical protein (738 nt)	2	12	0
PITG_07043	Pi conserved hypothetical protein (333 nt)	13	26	0
PITG_07044	Pi conserved hypothetical protein (816 nt)	1	15	0
PITG_07045	Pi conserved hypothetical protein (3128 nt)	1	13	0
PITG_07046	Pi major vault protein (2627 nt)	3	74	0
PITG_07047	Pi THO complex subunit, putative (2342 nt)	4	26	0

PITG_07048	Pi superoxide dismutase, mitochondrial precursor (800	43	229	12
PITG_07049	Pi conserved hypothetical protein (1561 nt)	0	0	3
PITG_07052	Pi conserved hypothetical protein (443 nt)	4	14	0
PITG_07053	Pi conserved hypothetical protein (2053 nt)	13	51	0
PITG_07054	Pi conserved hypothetical protein (837 nt)	1	14	0
PITG_07055	Pi ribosomal protein S6 kinase, putative (2853 nt)	5	61	0
PITG_07056	Pi isocitrate dehydrogenase, mitochondrial precursor (	33	170	20
PITG_07059	Pi MADS-box transcription factor, putative (1697 nt)	0	1	0
PITG_07060	Pi hypothetical protein (943 nt)	3	10	0
PITG_07061	Pi ubiquitin-conjugating enzyme E2, putative (1255 nt)	1	17	0
PITG_07062	Pi aspartyl/glutamyl-tRNA(Asn/Gln) amidotransferase s	2	12	0
PITG_07063	Pi conserved hypothetical protein (1003 nt)	3	12	0
PITG_07065	Pi conserved hypothetical protein (1494 nt)	0	0	0
PITG_07071	Pi conserved hypothetical protein (996 nt)	3	20	0
PITG_07072	Pi short chain dehydrogenase, putative (767 nt)	2	15	0
PITG_07073	Pi conserved hypothetical protein (1425 nt)	0	15	0
PITG_07074	Pi conserved hypothetical protein (4855 nt)	1	13	0
PITG_07076	Pi Voltage-gated Ion Channel (VIC) Superfamily (4657 n	0	0	0
PITG_07077	Pi lysophospholipid acyltransferase, putative (2152 nt)	21	27	1
PITG_07078	Pi conserved hypothetical protein (2564 nt)	0	0	0
PITG_07080	Pi conserved hypothetical protein (1446 nt)	5	18	0
PITG_07083	Pi ubiquitin thioesterase OTU1-like protein (1069 nt)	9	13	0
PITG_07086	Pi Major Facilitator Superfamily (MFS) (1455 nt)	4	3	0
PITG_07087	Pi Major Facilitator Superfamily (MFS) (1425 nt)	5	1	0
PITG_07088	Pi Major Facilitator Superfamily (MFS) (1479 nt)	7	117	0
PITG_07093	Pi conserved hypothetical protein (1104 nt)	2	11	0
PITG_07095	Pi hypothetical protein (339 nt)	6	0	0
PITG_07096	Pi protease inhibitor Epi11 (1335 nt)	9	243	0
PITG_07099	Pi conserved hypothetical protein (1224 nt)	4	9	0
PITG_07100	Pi conserved hypothetical protein (1405 nt)	13	4	0
PITG_07102	Pi conserved hypothetical protein (3206 nt)	16	30	0
PITG_07103	Pi nuclear pore complex protein Nup155 (4625 nt)	2	17	0
PITG_07104	Pi ADP-ribosylation factor GTPase-activating protein, p	5	10	0
PITG_07107	Pi conserved hypothetical protein (583 nt)	169	104	2
PITG_07108	Pi conserved hypothetical protein (1008 nt)	7	10	0
PITG_07109	Pi conserved hypothetical protein (2827 nt)	41	44	0
PITG_07110	Pi cleavage and polyadenylation specificity factor subu	12	39	0
PITG_07111	Pi conserved hypothetical protein (1333 nt)	13	35	0
PITG_07115	Pi ATP-binding Cassette (ABC) Superfamily (4158 nt)	6	64	0
PITG_07116	Pi ATP-binding Cassette (ABC) Superfamily (1497 nt)	0	24	0
PITG_07117	Pi ATP-binding Cassette (ABC) Superfamily (1960 nt)	0	37	0
PITG_07118	Pi conserved hypothetical protein (3736 nt)	0	15	0
PITG_07120	Pi conserved hypothetical protein (2986 nt)	0	4	0
PITG_07121	Pi acyl-[acyl-carrier-protein]-UDP-N-acetylglucosamine	4	22	0
PITG_07124	Pi conserved hypothetical protein (542 nt)	4	6	0
PITG_07128	Pi conserved hypothetical protein (1116 nt)	0	6	0
PITG_07129	Pi conserved hypothetical protein (2982 nt)	0	1	0

PITG_07134 | Pi ATP-binding Cassette (ABC) Superfamily (4101 nt)	1	18	0
PITG_07135 | Pi conserved hypothetical protein (771 nt)	1	12	0
PITG_07136 | Pi serine protease family S33, putative (984 nt)	0	0	0
PITG_07139 | Pi conserved hypothetical protein (1738 nt)	3	14	0
PITG_07141 | Pi methionyl-tRNA synthetase, putative (1621 nt)	0	14	0
PITG_07143 | Pi catalase-peroxidase, putative (2105 nt)	0	0	10
PITG_07145 | Pi malonyl-CoA decarboxylase (MCD), putative (2361 n	6	30	0
PITG_07146 | Pi conserved hypothetical protein (458 nt)	0	1	0
PITG_07151 | Pi conserved hypothetical protein (2220 nt)	1	0	0
PITG_07153 | Pi serine protease family S10, putative (1491 nt)	8	55	1
PITG_07154 | Pi serine carboxypeptidase, putative (1312 nt)	11	9	0
PITG_07155 | Pi conserved hypothetical protein (1334 nt)	43	568	15
PITG_07156 | Pi serine protease family S10, putative (1505 nt)	41	176	0
PITG_07160 | Pi serine protease family S10, putative (1817 nt)	86	51	0
PITG_07161 | Pi serine protease family S10, putative (1987 nt)	2	4	0
PITG_07162 | Pi sideroflexin-1-like protein (978 nt)	12	27	1
PITG_07163 | Pi ubiquitin-fold modifier 1 precursor (515 nt)	30	47	0
PITG_07164 | Pi serine protease family S10, putative (1488 nt)	2	39	1
PITG_07165 | Pi serine protease family S10, putative (1536 nt)	5	25	0
PITG_07166 | Pi 2-amino-3-carboxymuconate-6-semialdehyde decarl	8	30	0
PITG_07167 | Pi conserved hypothetical protein (551 nt)	1	39	0
PITG_07168 | Pi Major Facilitator Superfamily (MFS) (1945 nt)	2	38	0
PITG_07169 | Pi Major Facilitator Superfamily (MFS) (1861 nt)	3	17	0
PITG_07170 | Pi conserved hypothetical protein (772 nt)	10	48	0
PITG_07171 | Pi calcineurin-like phosphoesterase, putative (987 nt)	0	13	0
PITG_07173 | Pi 40S ribosomal protein S15 (870 nt)	462	749	64
PITG_07174 | Pi ribonuclease P protein subunit p30, putative (1028 n	1	14	0
PITG_07175 | Pi conserved hypothetical protein (712 nt)	10	24	0
PITG_07176 | Pi conserved hypothetical protein (1854 nt)	0	11	0
PITG_07184 | Pi conserved hypothetical protein (1653 nt)	0	0	0
PITG_07190 | Pi conserved hypothetical protein (1667 nt)	2	409	0
PITG_07191 | Pi protein kinase, putative (1786 nt)	2	23	0
PITG_07192 | Pi conserved hypothetical protein (4665 nt)	1	25	0
PITG_07193 | Pi conserved hypothetical protein (1507 nt)	3	19	0
PITG_07194 | Pi conserved hypothetical protein (3420 nt)	4	22	0
PITG_07195 | Pi AP-4 complex subunit sigma, putative (919 nt)	22	53	0
PITG_07197 | Pi 3-ketoacyl-CoA thiolase, mitochondrial (1353 nt)	66	202	0
PITG_07199 | Pi conserved hypothetical protein (724 nt)	22	20	0
PITG_07200 | Pi conserved hypothetical protein (1056 nt)	47	29	0
PITG_07201 | Pi UDP-glucose:glycoprotein glucosyltransferase, putat	7	26	0
PITG_07206 | Pi hypothetical protein (1386 nt)	3	10	0
PITG_07210 | Pi protein kinase (2083 nt)	9	18	0
PITG_07211 | Pi conserved hypothetical protein (1127 nt)	11	22	0
PITG_07212 | Pi conserved hypothetical protein (1568 nt)	2	20	0
PITG_07216 | Pi ATPase WRNIP1 (1628 nt)	1	10	0
PITG_07226 | Pi conserved hypothetical protein (4561 nt)	1	11	0
PITG_07227 | Pi hypothetical protein (555 nt)	1	14	0

PITG_07228	| Pi conserved hypothetical protein (869 nt)	2	6	0
PITG_07229	| Pi conserved hypothetical protein (444 nt)	1	15	0
PITG_07230	| Pi HECT E3 ubiquitin ligase, putative (8169 nt)	3	18	0
PITG_07232	| Pi conserved hypothetical protein (1400 nt)	28	53	0
PITG_07233	| Pi GPI inositol-deacylase, putative (2673 nt)	1	19	0
PITG_07234	| Pi ligatin, putative (1807 nt)	5	20	0
PITG_07237	| Pi cell division cycle protein 20 (1675 nt)	3	22	0
PITG_07238	| Pi conserved hypothetical protein (677 nt)	38	47	0
PITG_07239	| Pi tartrate-resistant acid phosphatase type 5, putative (	11	17	0
PITG_07240	| Pi 3-deoxy-manno-octulosonate cytidyltransferase, p	2	16	0
PITG_07241	| Pi Monovalent Cation:Proton Antiporter-1 (CPA1) Fami	71	46	0
PITG_07242	| Pi conserved hypothetical protein (639 nt)	24	66	0
PITG_07243	| Pi conserved hypothetical protein (3002 nt)	5	59	0
PITG_07245	| Pi conserved hypothetical protein (465 nt)	4	8	0
PITG_07246	| Pi conserved hypothetical protein (1190 nt)	2	9	0
PITG_07247	| Pi conserved hypothetical protein (4390 nt)	3	22	0
PITG_07248	| Pi protein kinase (2918 nt)	0	4	0
PITG_07249	| Pi conserved hypothetical protein (1252 nt)	1	5	1
PITG_07250	| Pi conserved hypothetical protein (1055 nt)	1	14	0
PITG_07251	| Pi protein kinase (2493 nt)	0	0	0
PITG_07253	| Pi conserved hypothetical protein (300 nt)	0	1	0
PITG_07256	| Pi conserved hypothetical protein (934 nt)	22	29	0
PITG_07258	| Pi conserved hypothetical protein (1535 nt)	0	14	2
PITG_07259	| Pi serine protease family S09X, putative (1149 nt)	1	15	0
PITG_07263	| Pi conserved hypothetical protein (478 nt)	0	22	0
PITG_07269	| Pi 60S ribosomal protein L7 (1385 nt)	294	552	59
PITG_07270	| Pi conserved hypothetical protein (4688 nt)	0	2	0
PITG_07271	| Pi conserved hypothetical protein (4240 nt)	0	2	0
PITG_07273	| Pi conserved hypothetical protein (726 nt)	0	1	0
PITG_07274	| Pi mitogen-activated protein kinase (3258 nt)	2	21	0
PITG_07275	| Pi conserved hypothetical protein (1680 nt)	0	15	0
PITG_07276	| Pi exopolysaccharide phosphotransferase, putative (14	1	12	0
PITG_07277	| Pi exopolysaccharide phosphotransferase, putative (16	3	10	0
PITG_07278	| Pi protein kinase, putative (1325 nt)	29	77	3
PITG_07279	| Pi transmembrane protein, putative (4092 nt)	11	47	0
PITG_07281	| Pi conserved hypothetical protein (2508 nt)	4	19	0
PITG_07282	| Pi WD domain-containing protein (1083 nt)	2	16	0
PITG_07283	| Pi threonine dehydratase catabolic, putative (1560 nt)	1	63	0
PITG_07284	| Pi SEC14 cytosolic factor, putative (2586 nt)	3	15	0
PITG_07285	| Pi conserved hypothetical protein (1174 nt)	137	1105	5
PITG_07286	| Pi phosphatidylinositol kinase (4304 nt)	7	64	0
PITG_07287	| Pi conserved hypothetical protein (771 nt)	3	14	0
PITG_07289	| Pi phosphatidylinositol kinase (4167 nt)	2	29	0
PITG_07292	| Pi hcp beta-lactamase-like protein (963 nt)	5	24	0
PITG_07293	| Pi conserved hypothetical protein (1493 nt)	0	14	0
PITG_07295	| Pi conserved hypothetical protein (426 nt)	0	22	0
PITG_07297	| Pi conserved hypothetical protein (1382 nt)	0	28	0

PITG_07298 | Pi protein kinase (2197 nt)	27	14	0
PITG_07300 | Pi 60S ribosomal protein L35 (797 nt)	561	634	64
PITG_07301 | Pi conserved hypothetical protein (4224 nt)	5	15	0
PITG_07302 | Pi histone acetyltransferase, putative (7584 nt)	4	25	0
PITG_07305 | Pi conserved hypothetical protein (1652 nt)	19	52	0
PITG_07308 | Pi rRNA 2'-O-methyltransferase fibrillarin, putative (98:	22	50	9
PITG_07310 | Pi Putative beta-1,4-galactosyltransferase (1089 nt)	9	18	0
PITG_07311 | Pi DEAD/DEAH box RNA helicase, putative (2446 nt)	4	8	0
PITG_07312 | Pi TATA-box-binding protein (1101 nt)	6	17	0
PITG_07314 | Pi conserved hypothetical protein (3093 nt)	16	67	0
PITG_07317 | Pi protein kinase (2850 nt)	0	0	0
PITG_07319 | Pi calcium-activated potassium channel subunit alpha-	0	3	0
PITG_07321 | Pi conserved hypothetical protein (2618 nt)	1	6	0
PITG_07325 | Pi conserved hypothetical protein (1203 nt)	11	52	0
PITG_07326 | Pi conserved hypothetical protein (1795 nt)	9	35	0
PITG_07327 | Pi H/ACA ribonucleoprotein complex non-core subunit	13	8	0
PITG_07328 | Pi manganese superoxide dismutase (877 nt)	78	767	67
PITG_07331 | Pi conserved hypothetical protein (1314 nt)	12	11	0
PITG_07334 | Pi carbohydrate esterase, putative (969 nt)	5	15	0
PITG_07335 | Pi conserved hypothetical protein (1194 nt)	0	17	0
PITG_07336 | Pi hypothetical protein (2464 nt)	0	3	0
PITG_07338 | Pi conserved hypothetical protein (1062 nt)	9	24	0
PITG_07340 | Pi conserved hypothetical protein (569 nt)	524	1296	35
PITG_07341 | Pi conserved hypothetical protein (819 nt)	35	553	2
PITG_07342 | Pi conserved hypothetical protein (761 nt)	6	168	0
PITG_07343 | Pi conserved hypothetical protein (2065 nt)	1	2	0
PITG_07344 | Pi conserved hypothetical protein (2091 nt)	0	0	0
PITG_07345 | Pi transmembrane protein, putative (2031 nt)	0	0	0
PITG_07347 | Pi conserved hypothetical protein (892 nt)	1	20	0
PITG_07348 | Pi conserved hypothetical protein (706 nt)	0	5	0
PITG_07349 | Pi gamma-glutamyl hydrolase, putative (954 nt)	12	46	0
PITG_07354 | Pi acylamino-acid-releasing enzyme (2435 nt)	2	22	0
PITG_07355 | Pi cleavage induced hypothetical protein (1265 nt)	3	3	0
PITG_07366 | Pi conserved hypothetical protein (522 nt)	55	0	0
PITG_07380 | Pi glutamate synthase, putative (1695 nt)	48	42	0
PITG_07381 | Pi conserved hypothetical protein (1845 nt)	0	16	0
PITG_07384 | Pi isoamyl acetate-hydrolyzing esterase 1 (849 nt)	37	19	0
PITG_07385 | Pi Major Facilitator Superfamily (MFS) (1549 nt)	3	11	0
PITG_07389 | Pi conserved hypothetical protein (1305 nt)	0	0	0
PITG_07395 | Pi hypothetical protein (563 nt)	1	19	0
PITG_07400 | Pi 2,3-bisphosphoglycerate-dependent phosphoglycera	258	111	4
PITG_07406 | Pi conserved hypothetical protein (1008 nt)	0	0	0
PITG_07410 | Pi conserved hypothetical protein (1287 nt)	0	0	0
PITG_07411 | Pi conserved hypothetical protein (1236 nt)	4	18	0
PITG_07417 | Pi conserved hypothetical protein (858 nt)	10	15	0
PITG_07420 | Pi hypothetical protein (1269 nt)	11	27	0
PITG_07422 | Pi conserved hypothetical protein (1236 nt)	0	47	0

PITG_07423	Pi conserved hypothetical protein (1173 nt)	4	98	0
PITG_07424	Pi cytochrome P450, putative (1695 nt)	26	826	0
PITG_07426	Pi conserved hypothetical protein (1196 nt)	9	18	0
PITG_07433	Pi conserved hypothetical protein (1193 nt)	3	9	0
PITG_07435	Pi secreted RxLR effector peptide, putative (501 nt)	4	22	0
PITG_07436	Pi hypothetical protein (1894 nt)	19	453	0
PITG_07445	Pi mucin-like protein (4439 nt)	1	24	0
PITG_07447	Pi conserved hypothetical protein (643 nt)	7	26	0
PITG_07454	Pi conserved hypothetical protein (400 nt)	18	503	0
PITG_07455	Pi P-type ATPase (P-ATPase) Superfamily (4047 nt)	6	67	0
PITG_07456	Pi conserved hypothetical protein (1320 nt)	2	11	0
PITG_07458	Pi Ammonium Transporter (Amt) Family (1395 nt)	0	1	0
PITG_07470	Pi conserved hypothetical protein (3281 nt)	8	31	0
PITG_07473	Pi EF hand containing protein, putative (1622 nt)	8	24	0
PITG_07476	Pi conserved hypothetical protein (1568 nt)	79	602	0
PITG_07487	Pi EF hand containing protein, putative (688 nt)	0	3	0
PITG_07493	Pi Crinkler (CRN) family protein (561 nt)	13	254	0
PITG_07496	Pi conserved hypothetical protein (468 nt)	4	16	0
PITG_07501	Pi Crinkler (CRN) family protein (748 nt)	61	529	0
PITG_07507	Pi Crinkler (CRN) family protein (564 nt)	16	13	0
PITG_07509	Pi Crinkler (CRN) family protein, pseudogene (829 nt)	96	154	0
PITG_07510	Pi hypothetical protein (1039 nt)	11	11	0
PITG_07514	Pi crinkler (CRN) family protein, pseudogene (695 nt)	13	189	0
PITG_07516	Pi EF hand containing protein, putative (1368 nt)	4	17	0
PITG_07520	Pi conserved hypothetical protein (970 nt)	2	14	0
PITG_07529	Pi conserved hypothetical protein (536 nt)	27	126	2
PITG_07530	Pi conserved hypothetical protein (1857 nt)	20	50	0
PITG_07531	Pi conserved hypothetical protein (2090 nt)	16	58	0
PITG_07536	Pi conserved hypothetical protein (811 nt)	0	0	0
PITG_07537	Pi conserved hypothetical protein (1333 nt)	0	1	0
PITG_07543	Pi hypothetical protein (728 nt)	20	36	0
PITG_07545	Pi Mitochondrial Carrier (MC) Family (1222 nt)	19	9	0
PITG_07546	Pi replication protein A 32 kDa subunit, putative (780 nt)	6	33	1
PITG_07551	Pi N(6)-adenine-specific DNA methyltransferase 2, putative (1000 nt)	3	16	0
PITG_07562	Pi folate-Biopterin Transporter (FBT) family (1821 nt)	2	21	3
PITG_07565	Pi folate-Biopterin Transporter (FBT) family (1775 nt)	0	12	0
PITG_07567	Pi brefeldin A-inhibited guanine nucleotide-exchange protein 1 (1000 nt)	1	23	0
PITG_07570	Pi conserved hypothetical protein (666 nt)	6	43	0
PITG_07572	Pi conserved hypothetical protein (780 nt)	42	52	0
PITG_07573	Pi conserved hypothetical protein (2598 nt)	0	14	4
PITG_07574	Pi conserved hypothetical protein (1383 nt)	129	101	0
PITG_07575	Pi haloacid dehalogenase-like hydrolase, putative (855 nt)	1	15	0
PITG_07582	Pi conserved hypothetical protein (1205 nt)	2	0	48
PITG_07586	Pi conserved hypothetical protein (547 nt)	3	0	1
PITG_07589	Pi conserved hypothetical protein (2082 nt)	9	33	0
PITG_07599	Pi tubulin-specific chaperone E, putative (2085 nt)	6	8	0
PITG_07628	Pi tubulin-specific chaperone E, putative (1808 nt)	3	27	0

PITG_07633	Pi conserved hypothetical protein (533 nt)	10	0	0
PITG_07635	Pi conserved hypothetical protein (2342 nt)	0	0	0
PITG_07636	Pi serine protease family S15, putative (2178 nt)	0	29	0
PITG_07637	Pi transcription initiation factor TFIID subunit, putative	16	51	0
PITG_07638	Pi phospholipase A2, putative (933 nt)	148	60	0
PITG_07642	Pi hypothetical protein (222 nt)	2	12	0
PITG_07644	Pi replication factor C subunit 1 (2845 nt)	0	11	0
PITG_07646	Pi conserved hypothetical protein (465 nt)	4	41	0
PITG_07652	Pi mitogen-activated protein kinase, putative (3285 nt)	4	6	0
PITG_07653	Pi conserved hypothetical protein (786 nt)	2	36	0
PITG_07655	Pi conserved hypothetical protein (12588 nt)	2	31	0
PITG_07656	Pi ubiquitin-specific protease, putative (2872 nt)	0	13	0
PITG_07657	Pi conserved hypothetical protein (1342 nt)	1	25	0
PITG_07660	Pi transmembrane protein, putative (1026 nt)	8	17	0
PITG_07661	Pi Major Facilitator Superfamily (MFS) (1689 nt)	1	16	0
PITG_07663	Pi major Facilitator Superfamily (MFS) (1692 nt)	4	152	0
PITG_07671	Pi NADP-specific glutamate dehydrogenase, putative (1	5	64	4
PITG_07682	Pi conserved hypothetical protein (3584 nt)	0	2	0
PITG_07686	Pi conserved hypothetical protein (1952 nt)	0	0	0
PITG_07687	Pi conserved hypothetical protein (2886 nt)	0	1	0
PITG_07689	Pi secreted RxLR effector peptide, putative (315 nt)	0	0	2
PITG_07697	Pi conserved hypothetical protein (840 nt)	7	26	0
PITG_07698	Pi conserved hypothetical protein (867 nt)	0	45	0
PITG_07699	Pi cytochrome P450, putative (1599 nt)	7	14	0
PITG_07700	Pi conserved hypothetical protein (826 nt)	3	27	0
PITG_07701	Pi ubiquinone/menaquinone biosynthesis methyltransf	11	36	0
PITG_07702	Pi UDP-N-acetylglucosamine-peptide N-acetylglucosam	2	56	0
PITG_07703	Pi conserved hypothetical protein (5210 nt)	1	46	0
PITG_07705	Pi conserved hypothetical protein (698 nt)	3	24	0
PITG_07707	Pi conserved hypothetical protein (1962 nt)	2	22	0
PITG_07708	Pi hypothetical protein (659 nt)	17	5	0
PITG_07710	Pi sugar transporter, putative (1536 nt)	15	27	0
PITG_07711	Pi Major Facilitator Superfamily (MFS) (1383 nt)	60	47	0
PITG_07714	Pi ATP-binding Cassette (ABC) superfamily (4094 nt)	0	3	0
PITG_07715	Pi ATP-binding Cassette (ABC) Superfamily (3840 nt)	0	7	0
PITG_07717	Pi ATP-binding Cassette (ABC) Superfamily (4092 nt)	1	8	0
PITG_07723	Pi Major Facilitator Superfamily (MFS) (1533 nt)	2	22	0
PITG_07727	Pi conserved hypothetical protein (693 nt)	6	64	0
PITG_07728	Pi conserved hypothetical protein (3552 nt)	0	9	0
PITG_07730	Pi conserved hypothetical protein (1130 nt)	3	14	0
PITG_07731	Pi protein kinase, putative (2749 nt)	1	19	0
PITG_07741	Pi secreted RxLR effector peptide, putative (348 nt)	0	0	0
PITG_07744	Pi DEAD/DEAH box RNA helicase, putative (4125 nt)	0	16	0
PITG_07745	Pi conserved hypothetical protein (1141 nt)	5	40	0
PITG_07752	Pi conserved hypothetical protein (2454 nt)	0	0	0
PITG_07758	Pi conserved hypothetical protein (1114 nt)	3	71	0
PITG_07765	Pi conserved hypothetical protein (2670 nt)	3	20	0

PITG_07767	Pi conserved hypothetical protein (2458 nt)	4	12	0
PITG_07772	Pi conserved hypothetical protein (2037 nt)	0	21	0
PITG_07774	Pi conserved hypothetical protein (2334 nt)	3	24	0
PITG_07775	Pi splicing factor 3B subunit, putative (719 nt)	6	24	0
PITG_07776	Pi conserved hypothetical protein (829 nt)	0	17	0
PITG_07778	Pi conserved hypothetical protein (2697 nt)	7	80	0
PITG_07786	Pi hypothetical protein (438 nt)	9	199	0
PITG_07790	Pi peroxisomal (S)-2-hydroxy-acid oxidase, putative (14	6	29	3
PITG_07791	Pi conserved hypothetical protein (698 nt)	22	106	2
PITG_07792	Pi ATP synthase subunit delta', putative (510 nt)	54	225	50
PITG_07793	Pi Outer Dynein Arm Light Chain 2 (550 nt)	2	16	0
PITG_07794	Pi conserved hypothetical protein (1375 nt)	92	154	0
PITG_07795	Pi myosin-like protein (2346 nt)	9	20	0
PITG_07796	Pi myosin-like protein (2910 nt)	4	8	0
PITG_07797	Pi methionyl-tRNA synthetase, putative (2231 nt)	2	19	0
PITG_07801	Pi conserved hypothetical protein (3748 nt)	0	20	0
PITG_07804	Pi conserved hypothetical protein (982 nt)	1	10	0
PITG_07807	Pi conserved hypothetical protein (1300 nt)	19	151	0
PITG_07808	Pi fidgetin-like protein (3137 nt)	9	79	0
PITG_07809	Pi casein kinase I, putative (1634 nt)	6	43	0
PITG_07810	Pi hypothetical protein (798 nt)	6	24	0
PITG_07815	Pi conserved hypothetical protein (828 nt)	6	45	0
PITG_07817	Pi conserved hypothetical protein (6441 nt)	0	14	0
PITG_07818	Pi conserved hypothetical protein (551 nt)	0	13	0
PITG_07820	Pi guanine deaminase, putative (1335 nt)	0	10	0
PITG_07821	Pi ATP-dependent RNA helicase, putative (5639 nt)	0	9	0
PITG_07823	Pi DNA topoisomerase 2 (2669 nt)	1	25	0
PITG_07826	Pi hypothetical protein (464 nt)	13	34	0
PITG_07827	Pi conserved hypothetical protein (426 nt)	50	124	2
PITG_07828	Pi serine carboxypeptidase-like family S10, putative (18	5	39	0
PITG_07829	Pi exosome complex exonuclease RRP43, putative (114	7	24	0
PITG_07830	Pi protein kinase (2166 nt)	2	9	0
PITG_07831	Pi conserved hypothetical protein (766 nt)	0	2	0
PITG_07832	Pi conserved hypothetical protein (1376 nt)	0	0	0
PITG_07833	Pi similar to sea slug pheromone (795 nt)	0	0	20
PITG_07837	Pi conserved hypothetical protein (658 nt)	0	4	0
PITG_07838	Pi conserved hypothetical protein (1191 nt)	0	3	0
PITG_07839	Pi translation initiation factor eIF-2B subunit gamma, p	3	19	0
PITG_07841	Pi glycyl-tRNA synthetase (1528 nt)	5	10	0
PITG_07843	Pi protein disulfide-isomerase, putative (1657 nt)	8	100	2
PITG_07846	Pi glycylopeptide N-tetradecanoyltransferase 2 (1609 nt	15	115	2
PITG_07847	Pi conserved hypothetical protein (1047 nt)	0	0	0
PITG_07848	Pi conserved hypothetical protein (1029 nt)	24	36	0
PITG_07851	Pi protein kinase (1421 nt)	7	24	0
PITG_07852	Pi conserved hypothetical protein (2288 nt)	19	20	0
PITG_07853	Pi conserved hypothetical protein (2058 nt)	1	4	0
PITG_07855	Pi Drug/Metabolite Transporter (DMT) Superfamily (14	2	19	0

PITG_07856 | Pi conserved hypothetical protein (1033 nt)	1	14	0
PITG_07857 | Pi conserved hypothetical protein (1530 nt)	0	11	0
PITG_07858 | Pi conserved hypothetical protein (1124 nt)	2	9	0
PITG_07861 | Pi carbohydrate-binding protein, putative (1564 nt)	4	35	1
PITG_07865 | Pi autophagy-related protein, putative (8968 nt)	10	59	0
PITG_07866 | Pi thiamin pyrophosphokinase, putative (662 nt)	22	56	0
PITG_07868 | Pi conserved hypothetical protein (3591 nt)	2	23	0
PITG_07870 | Pi conserved hypothetical protein (363 nt)	1	20	0
PITG_07874 | Pi DNA topoisomerase 2 (5187 nt)	2	34	0
PITG_07878 | Pi conserved hypothetical protein (1659 nt)	0	0	0
PITG_07879 | Pi conserved hypothetical protein (1400 nt)	1	14	0
PITG_07880 | Pi betaine aldehyde dehydrogenase (1476 nt)	3	17	0
PITG_07882 | Pi conserved hypothetical protein (2100 nt)	0	4	0
PITG_07884 | Pi XTP3-transactivated gene A protein (1704 nt)	5	14	0
PITG_07885 | Pi eukaryotic translation initiation factor 2 subunit alpha	83	96	5
PITG_07886 | Pi EF-hand domain-containing protein, putative (1866 nt)	0	0	0
PITG_07887 | Pi 26S proteasome non-ATPase regulatory subunit 6 (1.6	10	55	1
PITG_07888 | Pi conserved hypothetical protein (899 nt)	4	11	0
PITG_07889 | Pi conserved hypothetical protein (1200 nt)	3	11	0
PITG_07890 | Pi conserved hypothetical protein (2045 nt)	2	17	0
PITG_07891 | Pi conserved hypothetical protein (487 nt)	5	16	0
PITG_07892 | Pi conserved hypothetical protein (926 nt)	2	21	0
PITG_07894 | Pi sulfatase-like protein (612 nt)	20	21	0
PITG_07895 | Pi sulfatase-like protein (2741 nt)	0	25	0
PITG_07896 | Pi sulfatase-like protein (2403 nt)	1	63	0
PITG_07898 | Pi sulfatase-like protein (2445 nt)	7	24	0
PITG_07900 | Pi Amino Acid/Auxin Permease (AAP) Family (1652 nt)	0	13	0
PITG_07902 | Pi chromodomain protein, putative (1692 nt)	1	13	0
PITG_07903 | Pi 26S proteasome non-ATPase regulatory subunit, putative	8	65	3
PITG_07905 | Pi xylose isomerase 1 (1410 nt)	22	41	0
PITG_07910 | Pi 5'-AMP-activated protein kinase catalytic subunit, putative	0	2	0
PITG_07911 | Pi cytosolic 5'-nucleotidase III-like protein (1156 nt)	0	1	0
PITG_07912 | Pi Polycystin Cation Channel (PCC) Family (2838 nt)	0	4	0
PITG_07913 | Pi conserved hypothetical protein (668 nt)	0	13	0
PITG_07914 | Pi synaptobrevin-like protein (1084 nt)	52	110	2
PITG_07915 | Pi conserved hypothetical protein (2095 nt)	4	21	0
PITG_07916 | Pi protein kinase, putative (1779 nt)	5	14	0
PITG_07917 | Pi PLAC8 family protein (722 nt)	8	88	0
PITG_07921 | Pi PLAC8 family protein (459 nt)	0	1	0
PITG_07922 | Pi hypothetical protein (478 nt)	3	2	0
PITG_07923 | Pi PLAC8 family protein (1717 nt)	13	95	0
PITG_07924 | Pi Drug/Metabolite Transporter (DMT) Superfamily (17	17	68	0
PITG_07925 | Pi exportin-5-like protein (3724 nt)	1	15	0
PITG_07926 | Pi glycoprotein-N-acetylgalactosamine 3-beta-galactosaminidase	1	11	0
PITG_07933 | Pi F-box protein, putative (1205 nt)	2	9	0
PITG_07937 | Pi conserved hypothetical protein (5262 nt)	1	11	0
PITG_07938 | Pi conserved hypothetical protein (1065 nt)	3	16	0

PITG_07939	Pi conserved hypothetical protein (2746 nt)	10	148	0
PITG_07940	Pi conserved hypothetical protein (1261 nt)	0	25	0
PITG_07941	Pi conserved hypothetical protein (114 nt)	1	18	0
PITG_07943	Pi phospholipid-transporting ATPase, putative (7899 nt)	0	1	0
PITG_07944	Pi conserved hypothetical protein (1242 nt)	0	20	0
PITG_07945	Pi snRNA-activating protein complex subunit 3, putative	4	23	0
PITG_07946	Pi conserved hypothetical protein (1648 nt)	4	27	0
PITG_07947	Pi secreted RxLR effector peptide, putative (462 nt)	95	398	20
PITG_07948	Pi choline dehydrogenase, putative (2556 nt)	1	25	0
PITG_07949	Pi alpha-tubulin, putative (1407 nt)	2	67	0
PITG_07950	Pi Voltage-gated Ion Channel (VIC) Superfamily (2783 nt)	0	3	0
PITG_07951	Pi conserved hypothetical protein (631 nt)	3	1	0
PITG_07952	Pi conserved hypothetical protein (1282 nt)	1	13	0
PITG_07953	Pi 3-ketoacyl-CoA thiolase A (1340 nt)	22	80	0
PITG_07955	Pi xaa-Pro dipeptidase, metalloprotease family M24B, I	19	51	0
PITG_07958	Pi conserved hypothetical protein (1102 nt)	0	1	0
PITG_07959	Pi conserved hypothetical protein (1146 nt)	0	2	0
PITG_07960	Pi alpha-tubulin, putative (1576 nt)	30	136	17
PITG_07961	Pi cleavage induced tubulin alpha chain (1549 nt)	3	8	110
PITG_07964	Pi conserved hypothetical protein (1850 nt)	6	41	0
PITG_07965	Pi conserved hypothetical protein (952 nt)	3	12	0
PITG_07967	Pi protein kinase, putative (1453 nt)	14	210	0
PITG_07968	Pi protein kinase, putative (1581 nt)	3	79	0
PITG_07971	Pi conserved hypothetical protein (1467 nt)	9	37	0
PITG_07972	Pi conserved hypothetical protein (1173 nt)	49	179	8
PITG_07973	Pi Voltage-gated Ion Channel (VIC) Superfamily (1558 nt)	19	48	0
PITG_07974	Pi conserved hypothetical protein (1801 nt)	28	67	1
PITG_07975	Pi methylcrotonoyl-CoA carboxylase beta chain, mitochondrial	15	65	0
PITG_07976	Pi conserved hypothetical protein (1462 nt)	9	41	0
PITG_07977	Pi hypothetical protein (1123 nt)	3	6	0
PITG_07978	Pi protein kinase, putative (1474 nt)	2	22	0
PITG_07983	Pi urease accessory protein, putative (1556 nt)	16	3	0
PITG_07985	Pi myosin-like protein (4915 nt)	7	95	0
PITG_07986	Pi crinkler (CRN) family protein, pseudogene (1115 nt)	0	15	0
PITG_07988	Pi sulfatase-like protein (2735 nt)	5	10	0
PITG_07991	Pi glutamate-cysteine ligase catalytic subunit, putative	4	38	0
PITG_07992	Pi conserved hypothetical protein (612 nt)	0	0	0
PITG_07993	Pi methyltransferase WBSCR22 (1157 nt)	4	17	0
PITG_07994	Pi Dicarboxylate/Amino Acid:Cation (Na ⁺ or H ⁺) Symporter	1	10	0
PITG_07995	Pi cyclin-dependent kinase, putative (918 nt)	14	27	0
PITG_07996	Pi alpha-tubulin (1698 nt)	2	5	122
PITG_07999	Pi alpha-tubulin, putative (1757 nt)	8	17	34
PITG_08000	Pi glucosylceramidase (2040 nt)	0	2	0
PITG_08001	Pi glucosylceramidase, putative (2022 nt)	4	43	1
PITG_08002	Pi glucosylceramidase, putative (1829 nt)	3	44	0
PITG_08003	Pi conserved hypothetical protein (939 nt)	4	20	0
PITG_08004	Pi glucosylceramidase, putative (2009 nt)	3	9	0

PITG_08008	Pi protein kinase, putative (2631 nt)	0	1	0
PITG_08009	Pi conserved hypothetical protein (717 nt)	7	8	0
PITG_08011	Pi pre-mRNA-splicing factor RSE1 (3594 nt)	5	23	0
PITG_08013	Pi conserved hypothetical protein (879 nt)	2	10	0
PITG_08014	Pi proteasome subunit beta type-2, putative (770 nt)	24	157	7
PITG_08015	Pi Dynein 1b Light Intermediate Chain (1212 nt)	2	0	0
PITG_08016	Pi vesicle-trafficking protein SEC22b, putative (1146 nt)	2	29	0
PITG_08017	Pi cell division cycle protein 123 (1114 nt)	0	13	0
PITG_08018	Pi conserved hypothetical protein (1362 nt)	41	112	0
PITG_08019	Pi conserved hypothetical protein (1655 nt)	5	41	0
PITG_08022	Pi threonine dehydratase, putative (2138 nt)	5	15	0
PITG_08023	Pi HECT E3 ubiquitin ligase, putative (6662 nt)	0	26	0
PITG_08024	Pi conserved hypothetical protein (1559 nt)	0	56	1
PITG_08025	Pi HECT E3 ubiquitin ligase, putative (3597 nt)	3	91	1
PITG_08026	Pi DEAD/DEAH box RNA helicase, putative (2571 nt)	2	2	0
PITG_08028	Pi cohesin subunit, putative (4711 nt)	1	41	0
PITG_08031	Pi conserved hypothetical protein (7775 nt)	3	39	0
PITG_08032	Pi P-type ATPase (P-ATPase) Superfamily (3892 nt)	1	20	0
PITG_08035	Pi DNA repair protein radA (1626 nt)	0	17	0
PITG_08036	Pi conserved hypothetical protein (596 nt)	17	34	0
PITG_08037	Pi conserved hypothetical protein (1024 nt)	6	17	0
PITG_08038	Pi sporangia induced hypothetical protein (973 nt)	8	8	0
PITG_08040	Pi conserved hypothetical protein (1004 nt)	1	19	0
PITG_08042	Pi protein kinase (1669 nt)	100	153	0
PITG_08043	Pi conserved hypothetical protein (2615 nt)	10	86	1
PITG_08044	Pi conserved hypothetical protein (1360 nt)	66	550	3
PITG_08045	Pi dimethyladenosine transferase (1226 nt)	1	20	0
PITG_08046	Pi kinesin-like protein (3040 nt)	0	5	0
PITG_08048	Pi conserved hypothetical protein (1083 nt)	6	18	0
PITG_08049	Pi Equilibrative Nucleoside Transporter (ENT) Family (4	1	11	0
PITG_08050	Pi conserved hypothetical protein (1734 nt)	0	16	0
PITG_08051	Pi conserved hypothetical protein (574 nt)	0	27	0
PITG_08052	Pi conserved hypothetical protein (438 nt)	5	21	0
PITG_08056	Pi carbohydrate esterase, putative (1567 nt)	1	18	0
PITG_08059	Pi conserved hypothetical protein (1164 nt)	0	4	0
PITG_08060	Pi conserved hypothetical protein (1197 nt)	2	9	0
PITG_08061	Pi hydroxyacyl-coenzyme A dehydrogenase, mitochond	7	100	0
PITG_08067	Pi Crinkler (CRN) family protein, pseudogene (1176 nt)	62	194	0
PITG_08072	Pi conserved hypothetical protein (1437 nt)	3	8	0
PITG_08082	Pi cytochrome b5 (444 nt)	10	79	7
PITG_08083	Pi conserved hypothetical protein (1055 nt)	9	65	0
PITG_08084	Pi conserved hypothetical protein (874 nt)	11	107	0
PITG_08085	Pi conserved hypothetical protein (526 nt)	3	107	0
PITG_08087	Pi RNA polymerase II-associated protein 1, putative (35	1	14	0
PITG_08089	Pi conserved hypothetical protein (1210 nt)	0	23	0
PITG_08090	Pi conserved hypothetical protein (3085 nt)	44	113	0
PITG_08091	Pi hypothetical protein (243 nt)	2	28	0

PITG_08093	Pi conserved hypothetical protein (2712 nt)	3	18	0
PITG_08094	Pi inorganic pyrophosphatase (889 nt)	2	15	0
PITG_08095	Pi conserved hypothetical protein (1345 nt)	2	20	0
PITG_08099	Pi PLAC8 family protein (711 nt)	0	0	0
PITG_08103	Pi hypothetical protein (333 nt)	18	813	0
PITG_08104	Pi conserved hypothetical protein (611 nt)	7	24	0
PITG_08107	Pi hypothetical protein (888 nt)	0	0	0
PITG_08110	Pi conserved hypothetical protein (1126 nt)	24	6	0
PITG_08119	Pi oxidoreductase htatip2 (1434 nt)	87	146	0
PITG_08120	Pi conserved hypothetical protein (821 nt)	17	55	0
PITG_08128	Pi conserved hypothetical protein (1080 nt)	0	0	0
PITG_08129	Pi folic acid synthesis protein fol1, putative (1745 nt)	1	10	0
PITG_08130	Pi conserved hypothetical protein (358 nt)	1	0	0
PITG_08131	Pi oxidoreductase htatip2-like protein (817 nt)	3	61	0
PITG_08132	Pi conserved hypothetical protein (1057 nt)	6	53	0
PITG_08135	Pi D-aspartate oxidase, putative (1354 nt)	9	77	0
PITG_08136	Pi conserved hypothetical protein (1126 nt)	10	30	0
PITG_08137	Pi palmitoyltransferase, putative (726 nt)	5	13	0
PITG_08138	Pi conserved hypothetical protein (1737 nt)	26	58	0
PITG_08139	Pi conserved hypothetical protein (5069 nt)	1	30	1
PITG_08140	Pi hypothetical protein (1142 nt)	1	47	0
PITG_08142	Pi 5-methylthioadenosine/S-adenosylhomocysteine de	16	54	0
PITG_08143	Pi elicitin-like protein (459 nt)	1	16	0
PITG_08154	Pi conserved hypothetical protein (1186 nt)	8	464	0
PITG_08155	Pi peptidyl-prolyl cis-trans isomerase, putative (1049 nt)	1	11	0
PITG_08156	Pi conserved hypothetical protein (483 nt)	4	3	0
PITG_08157	Pi queuine tRNA-ribosyltransferase domain-containing	2	30	0
PITG_08159	Pi conserved hypothetical protein (2251 nt)	0	17	0
PITG_08168	Pi fibronectin type III domain-containing protein (6283	0	11	0
PITG_08172	Pi conserved hypothetical protein (1247 nt)	6	33	0
PITG_08173	Pi DNA-directed RNA polymerase III subunit 127.6 kDa	3	13	0
PITG_08175	Pi hypothetical protein (415 nt)	15	14	0
PITG_08176	Pi conserved hypothetical protein (747 nt)	0	12	0
PITG_08178	Pi conserved hypothetical protein (2157 nt)	0	0	0
PITG_08179	Pi ATP-binding Cassette (ABC) Superfamily (4661 nt)	1	11	0
PITG_08181	Pi conserved hypothetical protein (2074 nt)	2	35	0
PITG_08183	Pi conserved hypothetical protein (1792 nt)	7	30	0
PITG_08184	Pi phosphatidylinositide phosphatase SAC1-like protein	7	26	0
PITG_08185	Pi conserved hypothetical protein (511 nt)	122	359	0
PITG_08186	Pi conserved hypothetical protein (1872 nt)	1	13	0
PITG_08187	Pi ankyrin-like protein (1227 nt)	0	13	0
PITG_08188	Pi conserved hypothetical protein (1701 nt)	8	27	1
PITG_08189	Pi pre-mRNA-splicing factor, Crooked neck-like protein	6	36	0
PITG_08193	Pi elicitin-like protein (357 nt)	12	29	2
PITG_08196	Pi conserved hypothetical protein (836 nt)	15	66	0
PITG_08197	Pi mitochondrial intermediate peptidase, putative (239	4	13	0
PITG_08198	Pi conserved hypothetical protein (1653 nt)	4	17	0

PITG_08199	Pi HSF-type DNA-binding, putative (928 nt)	17	103	0
PITG_08202	Pi conserved hypothetical protein (896 nt)	0	1	1
PITG_08205	Pi methionyl-tRNA formyltransferase, putative (1696 nt)	1	15	0
PITG_08206	Pi signal peptidase complex subunit 3, putative (1742 nt)	8	51	1
PITG_08207	Pi conserved hypothetical protein (2934 nt)	1	19	0
PITG_08209	Pi conserved hypothetical protein (505 nt)	31	48	0
PITG_08210	Pi proteasome subunit beta type-3, putative (794 nt)	53	176	5
PITG_08211	Pi U2-associated splicing factor, putative (3263 nt)	2	24	0
PITG_08213	Pi carbohydrate-binding protein, putative (1134 nt)	19	158	0
PITG_08216	Pi WD domain-containing protein, putative (4192 nt)	0	15	0
PITG_08218	Pi conserved hypothetical protein (725 nt)	29	148	0
PITG_08221	Pi conserved hypothetical protein (1098 nt)	1	4	0
PITG_08222	Pi conserved hypothetical protein (1346 nt)	3	10	0
PITG_08229	Pi conserved hypothetical protein (3037 nt)	3	12	0
PITG_08230	Pi vacuolar protein sorting-associated protein, putative	0	19	0
PITG_08232	Pi conserved hypothetical protein (1707 nt)	3	16	0
PITG_08233	Pi conserved hypothetical protein (408 nt)	5	12	0
PITG_08234	Pi DnaJ subfamily C member 2 protein (1263 nt)	10	30	3
PITG_08235	Pi conserved hypothetical protein (1784 nt)	5	25	0
PITG_08236	Pi conserved hypothetical protein (1544 nt)	88	284	0
PITG_08237	Pi histone deacetylase, putative (2589 nt)	4	15	0
PITG_08241	Pi hypothetical protein (824 nt)	19	40	0
PITG_08252	Pi hypothetical protein (1222 nt)	6	266	0
PITG_08258	Pi cleavage induced hypothetical protein (788 nt)	3	22	0
PITG_08265	Pi conserved hypothetical protein (847 nt)	79	222	0
PITG_08285	Pi conserved hypothetical protein (1548 nt)	0	0	0
PITG_08290	Pi conserved hypothetical protein (958 nt)	2	14	0
PITG_08293	Pi conserved hypothetical protein (404 nt)	4	13	0
PITG_08294	Pi hypothetical protein (513 nt)	26	30	0
PITG_08295	Pi dynein heavy chain (12098 nt)	1	8	0
PITG_08299	Pi conserved hypothetical protein (2213 nt)	0	11	0
PITG_08301	Pi conserved hypothetical protein (1306 nt)	13	30	0
PITG_08302	Pi hypothetical protein (477 nt)	7	6	0
PITG_08303	Pi conserved hypothetical protein (627 nt)	8	14	0
PITG_08304	Pi cGMP-dependent protein kinase, putative (4180 nt)	47	84	0
PITG_08305	Pi conserved hypothetical protein (8670 nt)	24	34	0
PITG_08306	Pi myosin-like protein (2379 nt)	1	13	0
PITG_08307	Pi conserved hypothetical protein (839 nt)	2	15	0
PITG_08309	Pi myosin-like protein (2585 nt)	0	13	0
PITG_08310	Pi conserved hypothetical protein (354 nt)	12	26	0
PITG_08311	Pi conserved hypothetical protein (622 nt)	644	427	0
PITG_08314	Pi ATP-binding Cassette (ABC) Superfamily (960 nt)	0	14	0
PITG_08315	Pi conserved hypothetical protein (719 nt)	0	6	0
PITG_08316	Pi ATP-dependent RNA helicase, putative (4308 nt)	2	10	0
PITG_08320	Pi conserved hypothetical protein (481 nt)	0	64	0
PITG_08322	Pi conserved hypothetical protein (552 nt)	385	0	2
PITG_08324	Pi conserved hypothetical protein (1028 nt)	10	18	0

PITG_08326	Pi DNA polymerase alpha catalytic subunit, putative (463 nt)	2	18	0
PITG_08327	Pi ubiquitin-conjugating enzyme E2 (659 nt)	23	59	0
PITG_08328	Pi ubiquitin-conjugating enzyme E2, putative (728 nt)	5	14	0
PITG_08329	Pi conserved hypothetical protein (4663 nt)	2	13	0
PITG_08330	Pi conserved hypothetical protein (463 nt)	23	40	0
PITG_08331	Pi conserved hypothetical protein (1413 nt)	7	0	0
PITG_08333	Pi conserved hypothetical protein (1690 nt)	0	18	0
PITG_08334	Pi conserved hypothetical protein (714 nt)	0	0	0
PITG_08346	Pi carbohydrate-binding protein, putative (3089 nt)	22	36	4
PITG_08348	Pi conserved hypothetical protein (1583 nt)	3	15	0
PITG_08351	Pi conserved hypothetical protein (1707 nt)	3	11	0
PITG_08352	Pi conserved hypothetical protein (370 nt)	12	16	0
PITG_08357	Pi conserved hypothetical protein (1458 nt)	0	11	0
PITG_08363	Pi conserved hypothetical protein (5034 nt)	0	4	0
PITG_08364	Pi conserved hypothetical protein (1424 nt)	6	17	0
PITG_08365	Pi Voltage-gated Ion Channel (VIC) Superfamily (2646 nt)	1	5	0
PITG_08366	Pi parafibromin-like protein (1596 nt)	14	33	0
PITG_08367	Pi conserved hypothetical protein (1429 nt)	4	24	0
PITG_08368	Pi peptidyl-prolyl cis-trans isomerase-like protein (1620 nt)	1	16	0
PITG_08369	Pi valyl-tRNA synthetase (3808 nt)	2	13	0
PITG_08373	Pi serine hydrolase (FSH1)-like protein, putative (687 nt)	2	12	0
PITG_08374	Pi conserved hypothetical protein (2459 nt)	2	19	0
PITG_08375	Pi conserved hypothetical protein (635 nt)	33	30	0
PITG_08376	Pi conserved hypothetical protein (974 nt)	42	211	0
PITG_08377	Pi conserved hypothetical protein (858 nt)	58	408	0
PITG_08382	Pi ATP-binding Cassette (ABC) superfamily (665 nt)	0	1	0
PITG_08383	Pi DNA-directed RNA polymerase III largest subunit (463 nt)	1	16	0
PITG_08386	Pi hypothetical protein (516 nt)	1	17	0
PITG_08387	Pi phosphatidylinositol kinase (PIK-H1) (3080 nt)	0	0	0
PITG_08388	Pi conserved hypothetical protein (2881 nt)	3	11	0
PITG_08392	Pi FACT complex subunit SPT16, putative (3458 nt)	13	56	0
PITG_08393	Pi conserved hypothetical protein (1106 nt)	7	12	0
PITG_08394	Pi conserved hypothetical protein (3215 nt)	7	20	0
PITG_08395	Pi conserved hypothetical protein (1842 nt)	7	1	0
PITG_08396	Pi conserved hypothetical protein (1226 nt)	6	19	0
PITG_08400	Pi conserved hypothetical protein (1956 nt)	1	10	0
PITG_08403	Pi conserved hypothetical protein (1685 nt)	18	95	0
PITG_08404	Pi cleavage induced hypothetical protein (853 nt)	0	3	0
PITG_08405	Pi conserved hypothetical protein (5259 nt)	2	8	0
PITG_08406	Pi conserved hypothetical protein (552 nt)	8	12	0
PITG_08408	Pi conserved hypothetical protein (844 nt)	9	6	0
PITG_08409	Pi conserved hypothetical protein (634 nt)	4	11	0
PITG_08410	Pi conserved hypothetical protein (1389 nt)	0	13	0
PITG_08411	Pi conserved hypothetical protein (1276 nt)	5	28	0
PITG_08412	Pi hypothetical protein (476 nt)	5	36	0
PITG_08413	Pi hypothetical protein (159 nt)	4	14	0
PITG_08416	Pi conserved hypothetical protein (2411 nt)	3	31	0

PITG_08417	Pi conserved hypothetical protein (668 nt)	3	11	0
PITG_08419	Pi sporangia induced hypothetical protein (689 nt)	1	3	0
PITG_08420	Pi metalloprotease family M76, putative (912 nt)	9	19	0
PITG_08421	Pi peroxisomal multifunctional enzyme type 2, putative	12	16	0
PITG_08423	Pi kinesin-like protein (3419 nt)	0	1	0
PITG_08425	Pi endothelin-converting enzyme 1, metalloprotease fa	5	60	0
PITG_08427	Pi conserved hypothetical protein (1161 nt)	3	1	0
PITG_08430	Pi conserved hypothetical protein (1350 nt)	5	18	0
PITG_08431	Pi diacylglycerol acyltransferase, putative (1263 nt)	3	13	0
PITG_08436	Pi conserved hypothetical protein (965 nt)	1	13	0
PITG_08437	Pi conserved hypothetical protein (1400 nt)	0	0	0
PITG_08439	Pi conserved hypothetical protein (821 nt)	2	10	0
PITG_08441	Pi conserved hypothetical protein (1173 nt)	11	1	0
PITG_08442	Pi conserved hypothetical protein (1035 nt)	2	17	0
PITG_08444	Pi conserved hypothetical protein (2342 nt)	39	125	2
PITG_08445	Pi cystathionine gamma-lyase (1227 nt)	16	104	1
PITG_08446	Pi conserved hypothetical protein (3347 nt)	5	25	0
PITG_08447	Pi exonuclease, putative (2805 nt)	3	15	0
PITG_08451	Pi conserved hypothetical protein (2212 nt)	18	13	0
PITG_08452	Pi conserved hypothetical protein (1493 nt)	13	47	0
PITG_08453	Pi conserved hypothetical protein (807 nt)	5	58	0
PITG_08454	Pi conserved hypothetical protein (2319 nt)	12	39	0
PITG_08455	Pi conserved hypothetical protein (3744 nt)	1	14	0
PITG_08456	Pi ankyrin-like protein (1932 nt)	3	32	0
PITG_08458	Pi kinesin-like protein (2444 nt)	0	0	0
PITG_08460	Pi lipin-like protein (2193 nt)	15	5	0
PITG_08461	Pi conserved hypothetical protein (1221 nt)	2	25	0
PITG_08462	Pi actin-related protein 2/3 complex subunit 3, putative	46	52	1
PITG_08463	Pi coatomer subunit epsilon, putative (879 nt)	0	40	0
PITG_08465	Pi conserved hypothetical protein (1183 nt)	43	68	0
PITG_08467	Pi diacylglycerol O-acyltransferase, putative (1179 nt)	14	130	0
PITG_08469	Pi conserved hypothetical protein (1791 nt)	8	42	0
PITG_08470	Pi diacylglycerol acyltransferase, putative (1215 nt)	6	50	0
PITG_08471	Pi protein kinase (1178 nt)	12	56	0
PITG_08473	Pi conserved hypothetical protein (2967 nt)	10	31	0
PITG_08475	Pi conserved hypothetical protein (1101 nt)	0	4	0
PITG_08480	Pi ubiquitin, putative (2784 nt)	22	6	0
PITG_08481	Pi regulator of chromosome condensation (RCC1)-like p	1	36	0
PITG_08487	Pi conserved hypothetical protein (1651 nt)	12	80	0
PITG_08489	Pi conserved hypothetical protein (944 nt)	27	78	0
PITG_08492	Pi cytochrome b5-like protein (914 nt)	0	0	0
PITG_08493	Pi hypothetical protein (588 nt)	0	3	0
PITG_08494	Pi conserved hypothetical protein (1132 nt)	0	4	0
PITG_08495	Pi hypothetical protein (1083 nt)	13	69	2
PITG_08496	Pi conserved hypothetical protein (696 nt)	156	99	0
PITG_08502	Pi conserved hypothetical protein (477 nt)	0	18	0
PITG_08503	Pi conserved hypothetical protein (550 nt)	4	11	0

PITG_08504	| Pi conserved hypothetical protein (3268 nt)	1	21	0
PITG_08505	| Pi conserved hypothetical protein (1578 nt)	0	13	0
PITG_08506	| Pi conserved hypothetical protein (649 nt)	1	18	0
PITG_08509	| Pi conserved hypothetical protein (828 nt)	55	486	2
PITG_08514	| Pi conserved hypothetical protein (2772 nt)	8	27	0
PITG_08516	| Pi alcohol dehydrogenase, putative (1689 nt)	18	12	0
PITG_08526	| Pi conserved hypothetical protein (499 nt)	6	43	0
PITG_08528	| Pi conserved hypothetical protein (764 nt)	5	67	0
PITG_08530	| Pi conserved hypothetical protein (1872 nt)	12	21	0
PITG_08531	| Pi conserved hypothetical protein (540 nt)	1	46	0
PITG_08532	| Pi Drug/Metabolite Transporter (DMT) Superfamily (14	14	10	0
PITG_08534	| Pi conserved hypothetical protein (969 nt)	2	6	0
PITG_08536	| Pi conserved hypothetical protein (1168 nt)	4	122	0
PITG_08537	| Pi conserved hypothetical protein (1025 nt)	124	124	0
PITG_08538	| Pi conserved hypothetical protein (651 nt)	84	41	0
PITG_08539	| Pi conserved hypothetical protein (755 nt)	1	10	0
PITG_08540	| Pi conserved hypothetical protein (5615 nt)	9	18	0
PITG_08541	| Pi conserved hypothetical protein (1195 nt)	0	15	0
PITG_08543	| Pi conserved hypothetical protein (984 nt)	0	8	0
PITG_08544	| Pi Solute:Sodium Symporter (SSS) Family (1159 nt)	0	6	0
PITG_08545	| Pi Crinkler (CRN) family protein, pseudogene (1885 nt)	19	8	0
PITG_08546	| Pi conserved hypothetical protein (1458 nt)	4	29	0
PITG_08547	| Pi conserved hypothetical protein (363 nt)	7	40	0
PITG_08548	| Pi conserved hypothetical protein (732 nt)	58	23	0
PITG_08549	| Pi mitogen-activated protein kinase kinase kinase, puta	0	1	0
PITG_08550	| Pi conserved hypothetical protein (804 nt)	4	12	0
PITG_08551	| Pi conserved hypothetical protein (123 nt)	2	6	0
PITG_08552	| Pi conserved hypothetical protein (2095 nt)	1	13	0
PITG_08553	| Pi calcium/calmodulin dependent protein kinase, putat	7	14	0
PITG_08558	| Pi pectin lyase, putative (2571 nt)	5	7	0
PITG_08559	| Pi conserved hypothetical protein (622 nt)	0	9	0
PITG_08565	| Pi conserved hypothetical protein (624 nt)	20	88	8
PITG_08566	| Pi conserved hypothetical protein (964 nt)	1	16	0
PITG_08567	| Pi conserved hypothetical protein (2527 nt)	1	10	0
PITG_08569	| Pi conserved hypothetical protein (1127 nt)	1	0	0
PITG_08570	| Pi serine protease family S28, putative (1710 nt)	6	27	0
PITG_08571	| Pi Drug/Metabolite Transporter (DMT) Superfamily (12	11	44	0
PITG_08572	| Pi dual specificity tyrosine-phosphorylation-regulated k	3	24	0
PITG_08573	| Pi conserved hypothetical protein (629 nt)	5	40	0
PITG_08576	| Pi conserved hypothetical protein (925 nt)	41	58	0
PITG_08578	| Pi Mitochondrial Carrier (MC) Family (1068 nt)	15	41	1
PITG_08579	| Pi isoleucyl-tRNA synthetase (3531 nt)	5	31	2
PITG_08580	| Pi conserved hypothetical protein (1236 nt)	4	15	0
PITG_08581	| Pi serine racemase, putative (1456 nt)	6	20	0
PITG_08584	| Pi conserved hypothetical protein (1865 nt)	5	17	0
PITG_08585	| Pi conserved hypothetical protein (807 nt)	18	52	0
PITG_08586	| Pi conserved hypothetical protein (1322 nt)	3	12	0

PITG_08587 | Pi histone acetyltransferase, putative (3984 nt)	5	12	0
PITG_08588 | Pi conserved hypothetical protein (1211 nt)	2	21	0
PITG_08589 | Pi hypothetical protein (1624 nt)	8	13	0
PITG_08590 | Pi carbohydrate esterase, putative (888 nt)	9	6	0
PITG_08591 | Pi actin-depolymerizing factor, putative (744 nt)	218	343	45
PITG_08592 | Pi conserved hypothetical protein (833 nt)	1	1	0
PITG_08594 | Pi conserved hypothetical protein (1188 nt)	38	132	1
PITG_08595 | Pi conserved hypothetical protein (766 nt)	41	25	0
PITG_08597 | Pi conserved hypothetical protein (969 nt)	11	12	0
PITG_08598 | Pi 6-phosphogluconolactonase, putative (984 nt)	14	40	1
PITG_08599 | Pi thimet oligopeptidase (2500 nt)	5	54	0
PITG_08600 | Pi vesicle-fusing ATPase, putative (2422 nt)	4	36	1
PITG_08601 | Pi conserved hypothetical protein (1233 nt)	55	222	2
PITG_08602 | Pi conserved hypothetical protein (1191 nt)	4	15	0
PITG_08604 | Pi Arsenical Resistance-3 (ACR3) Family (1188 nt)	1	10	0
PITG_08605 | Pi conserved hypothetical protein (1206 nt)	9	16	0
PITG_08606 | Pi conserved hypothetical protein (1804 nt)	0	7	0
PITG_08607 | Pi conserved hypothetical protein (2566 nt)	2	20	0
PITG_08609 | Pi endomembrane protein 70-like protein, putative (29	15	30	0
PITG_08611 | Pi cell 5A endo-1,4-betaglucanase, putative (1749 nt)	69	428	0
PITG_08612 | Pi cell 5A endo-1,4-betaglucanase, putative (1789 nt)	0	1	0
PITG_08613 | Pi cell 5A endo-1,4-betaglucanase, putative (1749 nt)	25	251	0
PITG_08619 | Pi hypothetical protein (1839 nt)	3	19	0
PITG_08626 | Pi conserved hypothetical protein (1020 nt)	14	23	0
PITG_08627 | Pi conserved hypothetical protein (691 nt)	1	2	0
PITG_08628 | Pi conserved hypothetical protein (1098 nt)	0	1	0
PITG_08630 | Pi hypothetical protein (864 nt)	0	1	0
PITG_08639 | Pi conserved hypothetical protein (585 nt)	6	0	0
PITG_08640 | Pi phosphatidylinositol kinase (PIK-G3) (3186 nt)	2	12	0
PITG_08643 | Pi conserved hypothetical protein (1491 nt)	6	11	0
PITG_08646 | Pi polysaccharide lyase, putative (599 nt)	4	16	0
PITG_08653 | Pi mitochondrial import inner membrane translocase s	11	19	0
PITG_08654 | Pi conserved hypothetical protein (1176 nt)	7	18	0
PITG_08655 | Pi conserved hypothetical protein (764 nt)	2	17	0
PITG_08657 | Pi conserved hypothetical protein (1925 nt)	0	34	21
PITG_08659 | Pi conserved hypothetical protein (2330 nt)	5	296	12
PITG_08660 | Pi conserved hypothetical protein (589 nt)	22	180	1
PITG_08661 | Pi CDK5 regulatory subunit-associated protein 1 (1877	1	11	0
PITG_08663 | Pi plectin-like protein (3035 nt)	5	16	0
PITG_08664 | Pi hypothetical protein (483 nt)	1	35	0
PITG_08668 | Pi hypothetical protein (510 nt)	1	16	0
PITG_08669 | Pi 3-methyl-2-oxobutanoate hydroxymethyltransferase	2	26	0
PITG_08671 | Pi conserved hypothetical protein (340 nt)	22	51	1
PITG_08672 | Pi conserved hypothetical protein (1201 nt)	1	13	0
PITG_08673 | Pi conserved hypothetical protein (1365 nt)	25	47	1
PITG_08675 | Pi conserved hypothetical protein (1420 nt)	8	25	0
PITG_08676 | Pi 26S proteasome non-ATPase regulatory subunit 14, |	19	97	3

PITG_08677 | Pi inositol 2-dehydrogenase, putative (1170 nt)	16	19	166
PITG_08679 | Pi oxidoreductase family, putative (1247 nt)	7	39	0
PITG_08681 | Pi elongation factor G, mitochondrial precursor (2410 r	0	9	0
PITG_08683 | Pi conserved hypothetical protein (542 nt)	4	14	0
PITG_08684 | Pi conserved hypothetical protein (549 nt)	1	11	0
PITG_08685 | Pi conserved hypothetical protein (920 nt)	1	3	0
PITG_08686 | Pi conserved hypothetical protein (1483 nt)	0	18	0
PITG_08687 | Pi Mitochondrial Carrier (MC) Family (1084 nt)	0	14	0
PITG_08688 | Pi conserved hypothetical protein (432 nt)	4	25	0
PITG_08689 | Pi hypothetical protein (982 nt)	13	125	0
PITG_08690 | Pi conserved hypothetical protein (1245 nt)	0	18	0
PITG_08691 | Pi conserved hypothetical protein (677 nt)	0	9	0
PITG_08692 | Pi conserved hypothetical protein (1251 nt)	19	83	0
PITG_08693 | Pi hook domain-containing protein (2751 nt)	3	44	0
PITG_08695 | Pi extended synaptotagmin, putative (1264 nt)	0	5	0
PITG_08696 | Pi iron-sulfur cluster scaffold protein Nfu-like protein (1	8	55	1
PITG_08699 | Pi conserved hypothetical protein (755 nt)	3	27	0
PITG_08701 | Pi conserved hypothetical protein (1445 nt)	73	141	0
PITG_08702 | Pi conserved hypothetical protein (4001 nt)	7	43	3
PITG_08703 | Pi conserved hypothetical protein (937 nt)	746	1440	116
PITG_08704 | Pi fatty acid desaturase, putative (1374 nt)	1	16	2
PITG_08708 | Pi conserved hypothetical protein (3084 nt)	1	14	0
PITG_08709 | Pi conserved hypothetical protein (782 nt)	20	52	0
PITG_08711 | Pi hsp90-like protein (1250 nt)	39	159	5
PITG_08712 | Pi conserved hypothetical protein (801 nt)	9	19	0
PITG_08713 | Pi ADP-sugar pyrophosphatase, putative (831 nt)	2	11	0
PITG_08714 | Pi lysyl-tRNA synthetase (1990 nt)	0	17	1
PITG_08715 | Pi conserved hypothetical protein (2483 nt)	7	29	1
PITG_08716 | Pi hypothetical protein (568 nt)	0	13	0
PITG_08717 | Pi conserved hypothetical protein (357 nt)	1	3	0
PITG_08718 | Pi conserved hypothetical protein (942 nt)	66	178	0
PITG_08720 | Pi conserved hypothetical protein (1254 nt)	0	0	0
PITG_08722 | Pi conserved hypothetical protein (1333 nt)	20	43	0
PITG_08723 | Pi conserved hypothetical protein (681 nt)	18	22	0
PITG_08724 | Pi conserved hypothetical protein (792 nt)	1	14	0
PITG_08725 | Pi protein kinase (2339 nt)	29	108	0
PITG_08729 | Pi conserved hypothetical protein (780 nt)	6	58	0
PITG_08732 | Pi conserved hypothetical protein (1037 nt)	0	15	0
PITG_08733 | Pi conserved hypothetical protein (1008 nt)	7	103	0
PITG_08734 | Pi Chloride Channel (ClC) Family (2874 nt)	8	26	0
PITG_08736 | Pi conserved hypothetical protein (2528 nt)	18	70	0
PITG_08738 | Pi conserved hypothetical protein (941 nt)	2	13	0
PITG_08739 | Pi conserved hypothetical protein (495 nt)	7	10	0
PITG_08740 | Pi conserved hypothetical protein (2290 nt)	7	43	0
PITG_08741 | Pi conserved hypothetical protein (2554 nt)	1	25	0
PITG_08742 | Pi conserved hypothetical protein (972 nt)	3	20	0
PITG_08744 | Pi long-chain-fatty-acid-CoA ligase (2516 nt)	52	438	11

PITG_08745	Pi conserved hypothetical protein (558 nt)	20	78	0
PITG_08746	Pi conserved hypothetical protein (3138 nt)	2	19	0
PITG_08747	Pi Mitochondrial Carrier (MC) Family (3855 nt)	2	10	0
PITG_08749	Pi conserved hypothetical protein (1312 nt)	9	48	0
PITG_08750	Pi conserved hypothetical protein (543 nt)	0	1	0
PITG_08751	Pi protein phosphatase 2C, putative (1128 nt)	6	23	0
PITG_08752	Pi conserved hypothetical protein (696 nt)	3	17	0
PITG_08753	Pi tubulin-tyrosine ligase family, putative (1485 nt)	0	3	0
PITG_08754	Pi conserved hypothetical protein (2329 nt)	1	14	0
PITG_08755	Pi myb-like DNA-binding protein, putative (987 nt)	0	3	0
PITG_08757	Pi Voltage-gated Ion Channel (VIC) Superfamily (1309 n	0	0	0
PITG_08758	Pi Chloride Channel (ClC) Family (2575 nt)	0	8	0
PITG_08759	Pi conserved hypothetical protein (1095 nt)	0	16	0
PITG_08761	Pi nucleoside diphosphate kinase B (837 nt)	8	30	4
PITG_08762	Pi conserved hypothetical protein (397 nt)	8	58	2
PITG_08765	Pi RNA binding protein, putative (538 nt)	28	74	2
PITG_08766	Pi demethylmenaquinone methyltransferase, putative	2	13	0
PITG_08768	Pi hypothetical protein (1452 nt)	0	25	0
PITG_08769	Pi demethylmenaquinone methyltransferase, putative	55	20	0
PITG_08770	Pi conserved hypothetical protein (1674 nt)	1	11	0
PITG_08775	Pi hypothetical protein (1536 nt)	0	8	0
PITG_08776	Pi conserved hypothetical protein (1862 nt)	3	19	0
PITG_08780	Pi Sulfate Permease (SulP) Family (2805 nt)	8	52	0
PITG_08781	Pi conserved hypothetical protein (2114 nt)	47	129	0
PITG_08785	Pi conserved hypothetical protein (3335 nt)	1	3	0
PITG_08787	Pi crinkler (CRN) family protein, pseudogene (849 nt)	263	654	2
PITG_08793	Pi conserved hypothetical protein (3312 nt)	0	0	0
PITG_08794	Pi hypothetical protein (739 nt)	0	30	0
PITG_08795	Pi conserved hypothetical protein (2861 nt)	0	0	0
PITG_08800	Pi conserved hypothetical protein (1140 nt)	7	19	0
PITG_08801	Pi conserved hypothetical protein (4261 nt)	1	15	0
PITG_08802	Pi NAD-specific glutamate dehydrogenase, putative (31	1	22	0
PITG_08803	Pi mannitol dehydrogenase, putative (4248 nt)	0	2	0
PITG_08804	Pi metalloprotease family M01, putative (2849 nt)	3	57	0
PITG_08805	Pi hypothetical protein (1049 nt)	0	16	0
PITG_08807	Pi conserved hypothetical protein (618 nt)	0	1	0
PITG_08808	Pi calcyphosin-like protein (1653 nt)	0	21	0
PITG_08809	Pi 60S ribosomal protein L12, putative (1873 nt)	155	217	31
PITG_08810	Pi conserved hypothetical protein (765 nt)	31	105	5
PITG_08811	Pi Zinc (Zn ²⁺)-Iron (Fe ²⁺) Permease (ZIP) Family (1342 n	0	26	0
PITG_08812	Pi conserved hypothetical protein (1614 nt)	23	69	0
PITG_08817	Pi conserved hypothetical protein (1735 nt)	5	30	0
PITG_08822	Pi conserved hypothetical protein (1103 nt)	12	18	0
PITG_08826	Pi conserved hypothetical protein (1321 nt)	7	19	0
PITG_08827	Pi VAC14 family protein (2543 nt)	3	13	0
PITG_08831	Pi ribonuclease 3, putative (1010 nt)	0	11	0
PITG_08832	Pi conserved hypothetical protein (856 nt)	35	86	1

PITG_08834	Pi ribosomal protein L37e, putative (1032 nt)	1000	905	57
PITG_08839	Pi conserved hypothetical protein (1515 nt)	0	1	0
PITG_08840	Pi conserved hypothetical protein (499 nt)	0	0	0
PITG_08841	Pi conserved hypothetical protein (129 nt)	0	0	0
PITG_08843	Pi mannitol dehydrogenase, putative (1065 nt)	0	0	0
PITG_08844	Pi mannitol dehydrogenase, putative (1696 nt)	7	1	0
PITG_08845	Pi mannitol dehydrogenase, putative (1065 nt)	3	1	0
PITG_08850	Pi mannitol dehydrogenase, putative (2060 nt)	1	6	0
PITG_08851	Pi FKBP-type peptidyl-prolyl cis-trans isomerase, putati	7	49	0
PITG_08864	Pi conserved hypothetical protein (2365 nt)	1	7	0
PITG_08867	Pi mannitol dehydrogenase, putative (2842 nt)	59	71	0
PITG_08871	Pi conserved hypothetical protein (701 nt)	0	1	0
PITG_08874	Pi conserved hypothetical protein (1050 nt)	21	36	0
PITG_08875	Pi conserved hypothetical protein (1037 nt)	1	0	0
PITG_08876	Pi conserved hypothetical protein (655 nt)	21	48	0
PITG_08879	Pi hypothetical protein (510 nt)	176	89	0
PITG_08880	Pi ADP-ribosylation factor family (2009 nt)	2	2	0
PITG_08881	Pi succinyl-CoA ligase beta-chain, mitochondrial precur	14	84	17
PITG_08882	Pi choline transporter-like protein (2436 nt)	0	0	0
PITG_08883	Pi conserved hypothetical protein (659 nt)	12	14	0
PITG_08888	Pi protein kinase, putative (2280 nt)	0	28	0
PITG_08893	Pi conserved hypothetical protein (2893 nt)	1	3	0
PITG_08896	Pi conserved hypothetical protein (266 nt)	88	12	1
PITG_08897	Pi hypothetical protein (439 nt)	27	2	0
PITG_08898	Pi protein kinase, putative (2098 nt)	6	63	0
PITG_08900	Pi protein kinase (1363 nt)	4	10	0
PITG_08901	Pi protein kinase, putative (1572 nt)	3	12	0
PITG_08902	Pi pleiotropic drug resistance protein, putative (6261 n	0	31	0
PITG_08913	Pi conserved hypothetical protein (435 nt)	17	108	0
PITG_08916	Pi kinesin-like protein (2333 nt)	2	1	0
PITG_08917	Pi conserved hypothetical protein (1002 nt)	5	21	0
PITG_08919	Pi conserved hypothetical protein (1520 nt)	1	22	0
PITG_08922	Pi Rab11 family GTPase, putative (1075 nt)	0	0	0
PITG_08926	Pi adherence factor, putative (6279 nt)	5	29	0
PITG_08927	Pi conserved hypothetical protein (657 nt)	0	11	0
PITG_08928	Pi conserved hypothetical protein (1172 nt)	2	3	0
PITG_08932	Pi conserved hypothetical protein (1781 nt)	84	176	1
PITG_08933	Pi calcium/calmodulin-dependent 3',5'-cyclic nucleotid	2	2	0
PITG_08934	Pi hypothetical protein (558 nt)	3	7	0
PITG_08935	Pi acyl-CoA synthetase short-chain family member, put	6	54	0
PITG_08936	Pi hypothetical protein (2118 nt)	0	14	0
PITG_08938	Pi hypothetical protein (605 nt)	0	0	0
PITG_08941	Pi hypothetical protein (1080 nt)	118	208	6
PITG_08953	Pi double-strand-break repair protein rad21 (2125 nt)	1	29	0
PITG_08954	Pi conserved hypothetical protein (2823 nt)	1	0	0
PITG_08955	Pi GTP cyclohydrolase I (972 nt)	1	12	0
PITG_08956	Pi DNA repair protein REV1 (2935 nt)	0	12	0

PITG_08958 | Pi protein kinase (537 nt)	0	1	0
PITG_08959 | Pi 40S ribosomal protein S3-3 (841 nt)	465	513	73
PITG_08960 | Pi myb-like DNA-binding protein, putative (1198 nt)	0	14	0
PITG_08964 | Pi Mitochondrial Carrier (MC) Family (1098 nt)	4	22	0
PITG_08967 | Pi protein kinase, putative (1830 nt)	0	11	0
PITG_08970 | Pi conserved hypothetical protein (3475 nt)	0	11	0
PITG_08974 | Pi conserved hypothetical protein (4363 nt)	2	35	0
PITG_08977 | Pi hypothetical protein (419 nt)	4	7	0
PITG_08979 | Pi vacuolar protein sorting-associated protein, putative	0	0	0
PITG_08980 | Pi conserved hypothetical protein (1116 nt)	11	43	0
PITG_08984 | Pi protein kinase, putative (2467 nt)	9	42	0
PITG_08991 | Pi insulin-degrading-like enzyme, metalloprotease fami	0	14	0
PITG_08993 | Pi conserved hypothetical protein (1098 nt)	1	17	0
PITG_08994 | Pi conserved hypothetical protein (1203 nt)	4	14	0
PITG_08995 | Pi conserved hypothetical protein (718 nt)	1	19	0
PITG_08997 | Pi ATP-dependent RNA helicase DBP5, putative (1507 r	1	30	0
PITG_08998 | Pi endoglucanase, putative (1107 nt)	0	20	0
PITG_09001 | Pi conserved hypothetical protein (747 nt)	15	22	0
PITG_09004 | Pi conserved hypothetical protein (925 nt)	27	60	0
PITG_09005 | Pi conserved hypothetical protein (1933 nt)	1	10	0
PITG_09006 | Pi conserved hypothetical protein (3074 nt)	3	15	0
PITG_09008 | Pi conserved hypothetical protein (438 nt)	5	5	0
PITG_09009 | Pi conserved hypothetical protein (1516 nt)	0	2	0
PITG_09010 | Pi calcium/calmodulin-dependent protein kinase, putat	0	25	0
PITG_09015 | Pi NADH ubiquinone oxidoreductase, putative (846 nt)	30	69	3
PITG_09016 | Pi NADH ubiquinone oxidoreductase, putative (1031 nt)	73	18	0
PITG_09024 | Pi Metal Ion (Mn2 -iron) Transporter (Nramp) Family (2	2	6	0
PITG_09028 | Pi conserved hypothetical protein (761 nt)	5	19	0
PITG_09030 | Pi dynein light chain, putative (333 nt)	0	1	0
PITG_09034 | Pi conserved hypothetical protein (3808 nt)	1	11	0
PITG_09035 | Pi conserved hypothetical protein (2904 nt)	1	28	0
PITG_09036 | Pi conserved hypothetical protein (789 nt)	7	34	0
PITG_09039 | Pi calcium/calmodulin-dependent protein kinase, putat	3	44	0
PITG_09040 | Pi conserved hypothetical protein (317 nt)	7	14	0
PITG_09041 | Pi conserved hypothetical protein (1113 nt)	2	12	0
PITG_09042 | Pi DEAD/DEAH box RNA helicase, putative (3199 nt)	0	11	0
PITG_09061 | Pi conserved hypothetical protein (771 nt)	0	0	0
PITG_09064 | Pi conserved hypothetical protein (1353 nt)	2	26	0
PITG_09065 | Pi conserved hypothetical protein (1125 nt)	7	73	0
PITG_09066 | Pi conserved hypothetical protein (1363 nt)	14	183	0
PITG_09067 | Pi M96 mating-specific protein family (2232 nt)	10	164	0
PITG_09072 | Pi conserved hypothetical protein (858 nt)	54	60	0
PITG_09073 | Pi hypothetical protein (1517 nt)	3	7	0
PITG_09081 | Pi phosphatidylinositol-4-phosphate 5-kinase, putative	1	4	0
PITG_09082 | Pi conserved hypothetical protein (611 nt)	7	20	0
PITG_09086 | Pi conserved hypothetical protein (1263 nt)	4	12	0
PITG_09089 | Pi exportin-6-like protein (3714 nt)	2	18	0

PITG_09090	Pi conserved hypothetical protein (1818 nt)	57	126	0
PITG_09092	Pi nucleoside diphosphate kinase, putative (7716 nt)	3	26	0
PITG_09097	Pi conserved hypothetical protein (1199 nt)	4	15	0
PITG_09098	Pi conserved hypothetical protein (1329 nt)	16	23	0
PITG_09121	Pi conserved hypothetical protein (667 nt)	1	0	0
PITG_09131	Pi conserved hypothetical protein (757 nt)	29	47	0
PITG_09137	Pi conserved hypothetical protein (551 nt)	0	0	0
PITG_09138	Pi conserved hypothetical protein (2648 nt)	1	12	0
PITG_09139	Pi conserved hypothetical protein (1619 nt)	3	26	0
PITG_09143	Pi hypothetical protein (607 nt)	7	41	0
PITG_09144	Pi conserved hypothetical protein (1676 nt)	5	65	0
PITG_09166	Pi conserved hypothetical protein (760 nt)	10	11	0
PITG_09181	Pi conserved hypothetical protein (1067 nt)	4	14	0
PITG_09190	Pi bzip transcription factor (1121 nt)	3	20	0
PITG_09192	Pi mannan endo-1,4-beta-mannosidase, putative (1387	1	1	0
PITG_09193	Pi aquaporin, putative (942 nt)	122	28	0
PITG_09194	Pi aquaporin, putative (713 nt)	128	33	0
PITG_09195	Pi conserved hypothetical protein (907 nt)	0	24	0
PITG_09201	Pi bzip transcription factor (1089 nt)	2	15	0
PITG_09208	Pi aquaporin, putative (745 nt)	0	0	0
PITG_09209	Pi conserved hypothetical protein (2025 nt)	0	21	0
PITG_09210	Pi hypothetical protein (524 nt)	2	19	0
PITG_09211	Pi conserved hypothetical protein (11748 nt)	1	101	0
PITG_09216	Pi secreted RxLR effector peptide, putative (528 nt)	5	0	21
PITG_09218	Pi secreted RxLR effector peptide, putative (498 nt)	2	0	26
PITG_09220	Pi conserved hypothetical protein (3458 nt)	2	23	0
PITG_09221	Pi glutaredoxin, putative (722 nt)	7	30	0
PITG_09222	Pi conserved hypothetical protein (914 nt)	4	18	0
PITG_09224	Pi secreted RxLR effector peptide, putative (420 nt)	10	31	4
PITG_09228	Pi conserved hypothetical protein (1116 nt)	10	6	0
PITG_09230	Pi conserved hypothetical protein (510 nt)	14	61	0
PITG_09241	Pi conserved hypothetical protein (927 nt)	11	40	0
PITG_09242	Pi conserved hypothetical protein (2321 nt)	3	15	0
PITG_09243	Pi rRNA methyltransferase, putative (1370 nt)	6	25	0
PITG_09244	Pi conserved hypothetical protein (3048 nt)	6	18	0
PITG_09246	Pi conserved hypothetical protein (532 nt)	14	12	0
PITG_09247	Pi neurobeachin-like protein (8721 nt)	3	17	0
PITG_09248	Pi Proton-dependent Oligopeptide Transporter (POT) F	3	19	0
PITG_09249	Pi sporangia induced hypothetical protein (706 nt)	1	2	0
PITG_09250	Pi transmembrane protein, putative (3761 nt)	1	16	0
PITG_09252	Pi conserved hypothetical protein (695 nt)	0	1	0
PITG_09253	Pi conserved hypothetical protein (559 nt)	27	44	0
PITG_09260	Pi conserved hypothetical protein (4938 nt)	1	11	0
PITG_09261	Pi Equilibrative Nucleoside Transporter (ENT) Family (1	3	42	0
PITG_09262	Pi Equilibrative Nucleoside Transporter (ENT) Family (1	0	168	0
PITG_09270	Pi structural maintenance of chromosomes protein 6, ζ	1	18	0
PITG_09271	Pi ornithine aminotransferase, mitochondrial precursor	115	120	1

PITG_09272	Pi hypothetical protein (472 nt)	2	30	0
PITG_09273	Pi AMP deaminase 2 (1375 nt)	3	24	0
PITG_09277	Pi conserved hypothetical protein (1076 nt)	26	29	0
PITG_09278	Pi conserved hypothetical protein (1445 nt)	21	31	0
PITG_09279	Pi bZIP transcription factor, putative (2459 nt)	3	47	0
PITG_09280	Pi bZIP transcription factor, putative (1708 nt)	12	96	0
PITG_09281	Pi conserved hypothetical protein (2811 nt)	1	25	0
PITG_09282	Pi calcium-transporting ATPase 1, endoplasmic reticulu	11	192	4
PITG_09283	Pi conserved hypothetical protein (591 nt)	67	105	0
PITG_09284	Pi actin, putative (1342 nt)	36	78	1
PITG_09285	Pi conserved hypothetical protein (2445 nt)	21	27	0
PITG_09286	Pi conserved hypothetical protein (1312 nt)	7	10	0
PITG_09287	Pi sporangia induced hypothetical protein (576 nt)	8	24	0
PITG_09289	Pi eukaryotic translation initiation factor 3 subunit F, pi	10	29	4
PITG_09291	Pi conserved hypothetical protein (604 nt)	133	49	0
PITG_09292	Pi Dicer-like 1 (DCL1) (4995 nt)	1	11	0
PITG_09293	Pi GAF domain-containing protein (2362 nt)	1	10	0
PITG_09295	Pi Dicarboxylate/Amino Acid:Cation (Na or H) Sympor	1	24	0
PITG_09296	Pi sterol 3-beta-glucosyltransferase, putative (6765 nt)	6	112	0
PITG_09297	Pi conserved hypothetical protein (697 nt)	7	16	0
PITG_09298	Pi conserved hypothetical protein (885 nt)	31	60	0
PITG_09301	Pi conserved hypothetical protein (597 nt)	5	13	0
PITG_09303	Pi conserved hypothetical protein (583 nt)	0	14	0
PITG_09304	Pi conserved hypothetical protein (1304 nt)	12	52	2
PITG_09305	Pi DNA repair protein RAD51 (1465 nt)	4	20	0
PITG_09306	Pi conserved hypothetical protein (1203 nt)	3	6	0
PITG_09307	Pi conserved hypothetical protein (388 nt)	186	43	0
PITG_09309	Pi conserved hypothetical protein (1971 nt)	2	55	0
PITG_09310	Pi 6-phosphofructo-2-kinase/fructose-2,6-biphosphata:	13	47	0
PITG_09312	Pi conserved hypothetical protein (656 nt)	0	0	0
PITG_09315	Pi conserved hypothetical protein (1081 nt)	19	59	0
PITG_09318	Pi hypothetical protein (538 nt)	5	25	0
PITG_09320	Pi ATP-binding Cassette (ABC) Superfamily (2251 nt)	5	8	0
PITG_09321	Pi conserved hypothetical protein (656 nt)	2	2	0
PITG_09341	Pi conserved hypothetical protein (1148 nt)	0	6	0
PITG_09344	Pi kinesin-like protein (2518 nt)	1	0	0
PITG_09345	Pi 40S ribosomal protein S5-2 (1061 nt)	861	805	98
PITG_09346	Pi conserved hypothetical protein (1107 nt)	62	224	0
PITG_09348	Pi glutaredoxin, putative (1448 nt)	6	32	1
PITG_09349	Pi translation elongation factor 1-alpha, putative (2423	3	30	0
PITG_09350	Pi aquaporin, putative (903 nt)	9	292	0
PITG_09354	Pi aquaporin, putative (866 nt)	53	327	0
PITG_09355	Pi aquaporin, putative (873 nt)	38	7	0
PITG_09360	Pi conserved hypothetical protein (5277 nt)	4	19	0
PITG_09362	Pi conserved hypothetical protein (2118 nt)	1	11	0
PITG_09364	Pi conserved hypothetical protein (959 nt)	5	27	0
PITG_09365	Pi conserved hypothetical protein (654 nt)	1	20	0

PITG_09366	Pi conserved hypothetical protein (703 nt)	5	16	0
PITG_09367	Pi sterol 3-beta-glucosyltransferase, putative (5031 nt)	4	5	0
PITG_09374	Pi conserved hypothetical protein (2997 nt)	2	10	0
PITG_09375	Pi cGMP-dependent protein kinase, putative (4972 nt)	1	3	0
PITG_09376	Pi conserved hypothetical protein (5603 nt)	2	20	0
PITG_09377	Pi ER degradation-enhancing alpha-mannosidase-like p	6	28	0
PITG_09378	Pi conserved hypothetical protein (1118 nt)	9	50	0
PITG_09381	Pi conserved hypothetical protein (921 nt)	4	56	0
PITG_09383	Pi aquaporin, putative (825 nt)	0	1	0
PITG_09384	Pi aquaporin, putative (825 nt)	4	1	0
PITG_09386	Pi aquaporin, putative (825 nt)	7	15	0
PITG_09387	Pi aspartyl protease family A01A, putative (2760 nt)	38	103	0
PITG_09388	Pi GPN-loop GTPase 2, putative (1156 nt)	37	16	0
PITG_09389	Pi trehalose-phosphatase, putative (3869 nt)	31	105	0
PITG_09393	Pi pyruvate kinase (1566 nt)	5	34	1
PITG_09400	Pi pyruvate kinase (1889 nt)	36	224	6
PITG_09401	Pi pre-mRNA-splicing factor ini1 (333 nt)	47	97	1
PITG_09402	Pi phosphoglycerate kinase (981 nt)	319	351	11
PITG_09403	Pi hypothetical protein (583 nt)	79	184	0
PITG_09404	Pi myosin-like protein (4883 nt)	3	62	2
PITG_09413	Pi sterol 3-beta-glucosyltransferase, putative (4590 nt)	2	15	0
PITG_09414	Pi conserved hypothetical protein (796 nt)	1	12	0
PITG_09415	Pi ethanolamine kinase, putative (1754 nt)	4	22	0
PITG_09419	Pi gamma-soluble NSF attachment protein, putative (29	2	19	0
PITG_09422	Pi conserved hypothetical protein (1463 nt)	0	12	0
PITG_09423	Pi conserved hypothetical protein (1862 nt)	8	30	0
PITG_09424	Pi conserved hypothetical protein (1191 nt)	2	9	0
PITG_09426	Pi conserved hypothetical protein (1331 nt)	10	29	0
PITG_09427	Pi conserved hypothetical protein (786 nt)	60	22	1
PITG_09428	Pi conserved hypothetical protein (966 nt)	58	197	2
PITG_09430	Pi trafficking protein particle complex subunit 2, putati	31	55	0
PITG_09431	Pi 40S ribosomal protein S19-3 (946 nt)	296	487	69
PITG_09432	Pi nucleolar protein NOP5 (1865 nt)	39	28	2
PITG_09434	Pi conserved hypothetical protein (739 nt)	36	67	0
PITG_09435	Pi conserved hypothetical protein (3425 nt)	8	37	0
PITG_09436	Pi conserved hypothetical protein (709 nt)	123	137	3
PITG_09437	Pi conserved hypothetical protein (976 nt)	14	64	0
PITG_09438	Pi conserved hypothetical protein (579 nt)	255	193	11
PITG_09439	Pi conserved hypothetical protein (1563 nt)	13	13	0
PITG_09440	Pi conserved hypothetical protein (1025 nt)	2	12	1
PITG_09441	Pi Mitochondrial Protein Translocase (MPT) Family (399	140	89	7
PITG_09442	Pi 40S ribosomal protein S21 (659 nt)	1029	556	76
PITG_09443	Pi prefoldin subunit 2, putative (589 nt)	46	50	1
PITG_09444	Pi conserved hypothetical protein (1052 nt)	9	18	0
PITG_09445	Pi conserved hypothetical protein (633 nt)	128	214	25
PITG_09446	Pi conserved hypothetical protein (790 nt)	12	33	0
PITG_09447	Pi conserved hypothetical protein (4266 nt)	6	10	0

PITG_09448 | Pi conserved hypothetical protein (2938 nt)	1	12	0
PITG_09449 | Pi SCO1 family protein (916 nt)	24	40	0
PITG_09450 | Pi conserved hypothetical protein (5480 nt)	14	25	0
PITG_09451 | Pi conserved hypothetical protein (733 nt)	62	98	4
PITG_09452 | Pi MMP37-like protein (895 nt)	14	78	0
PITG_09453 | Pi conserved hypothetical protein (1145 nt)	106	27	0
PITG_09456 | Pi nitroreductase family, putative (844 nt)	4	16	0
PITG_09459 | Pi nitroreductase family, putative (1208 nt)	15	23	0
PITG_09462 | Pi conserved hypothetical protein (1397 nt)	1	11	0
PITG_09463 | Pi conserved hypothetical protein (1839 nt)	71	0	0
PITG_09467 | Pi pectin lyase, putative (696 nt)	0	24	0
PITG_09468 | Pi conserved hypothetical protein (1978 nt)	11	7	0
PITG_09470 | Pi arabinan endo-1,5-alpha-L-arabinosidase A precursor	0	0	0
PITG_09471 | Pi F-box protein, putative (879 nt)	0	2	0
PITG_09472 | Pi conserved hypothetical protein (707 nt)	118	208	11
PITG_09473 | Pi conserved hypothetical protein (747 nt)	1	3	0
PITG_09474 | Pi conserved hypothetical protein (945 nt)	5	10	0
PITG_09475 | Pi conserved hypothetical protein (818 nt)	13	15	0
PITG_09477 | Pi ATP-binding Cassette (ABC) Superfamily (5537 nt)	0	14	0
PITG_09478 | Pi conserved hypothetical protein (1284 nt)	2	16	0
PITG_09482 | Pi conserved hypothetical protein (1825 nt)	43	243	0
PITG_09483 | Pi conserved hypothetical protein (1458 nt)	8	36	0
PITG_09487 | Pi conserved hypothetical protein (1230 nt)	5	19	0
PITG_09488 | Pi small nuclear ribonucleoprotein Sm D3 (503 nt)	26	60	1
PITG_09493 | Pi Mitochondrial Protein Translocase (MPT) Family (684 nt)	36	52	0
PITG_09495 | Pi conserved hypothetical protein (594 nt)	1	28	0
PITG_09504 | Pi methionine aminopeptidase, putative (1432 nt)	7	28	0
PITG_09505 | Pi centrosome-associated protein, putative (6330 nt)	2	18	0
PITG_09506 | Pi 30S ribosomal protein S5, putative (1158 nt)	8	22	2
PITG_09507 | Pi ADP-ribosylation factor-related protein, putative (93 nt)	11	37	0
PITG_09508 | Pi ubiquitin carboxyl-terminal hydrolase, putative (101 nt)	10	30	0
PITG_09512 | Pi prohibitin-2 (1326 nt)	87	147	14
PITG_09521 | Pi conserved hypothetical protein (539 nt)	33	21	1
PITG_09522 | Pi conserved hypothetical protein (2072 nt)	5	6	0
PITG_09523 | Pi Rab32/38 family GTPase, putative (683 nt)	11	7	0
PITG_09526 | Pi transcription factor BTF3-like protein (935 nt)	1562	295	47
PITG_09528 | Pi conserved hypothetical protein (1289 nt)	10	121	0
PITG_09531 | Pi conserved hypothetical protein (981 nt)	21	17	0
PITG_09534 | Pi conserved hypothetical protein (893 nt)	4	12	0
PITG_09535 | Pi conserved hypothetical protein (1213 nt)	3	12	0
PITG_09536 | Pi phosphoribosylaminoimidazole-succinocarboxamide	3	15	0
PITG_09537 | Pi conserved hypothetical protein (976 nt)	13	65	0
PITG_09538 | Pi mitochondrial carnitine/acylcarnitine carrier protein	24	162	2
PITG_09539 | Pi hypothetical protein (665 nt)	163	99	0
PITG_09540 | Pi 60S ribosomal protein L19-1 (774 nt)	1117	946	74
PITG_09543 | Pi hypothetical protein (602 nt)	8	34	0
PITG_09544 | Pi conserved hypothetical protein (757 nt)	186	40	0

PITG_09547	Pi conserved hypothetical protein (920 nt)	212	218	21
PITG_09548	Pi syntaxin-like protein (1222 nt)	121	64	0
PITG_09549	Pi hypothetical protein (264 nt)	29	35	0
PITG_09552	Pi conserved hypothetical protein (1583 nt)	914	334	69
PITG_09553	Pi conserved hypothetical protein (1008 nt)	33	206	18
PITG_09554	Pi conserved hypothetical protein (1804 nt)	6	69	0
PITG_09555	Pi ubiquitin-ribosomal fusion protein, putative (461 nt)	178	176	126
PITG_09556	Pi guanine nucleotide-binding protein subunit beta-2-li	238	189	95
PITG_09563	Pi 40S ribosomal protein S9-1 (813 nt)	905	1115	66
PITG_09564	Pi vacuolar protein sorting-associated protein 41 (3598	5	21	0
PITG_09566	Pi inositol monophosphatase, putative (2768 nt)	8	19	0
PITG_09567	Pi conserved hypothetical protein (796 nt)	20	37	0
PITG_09570	Pi hypothetical protein (1014 nt)	27	25	0
PITG_09572	Pi conserved hypothetical protein (1890 nt)	1	12	0
PITG_09576	Pi orotidine 5'-phosphate decarboxylase, putative (168	26	66	1
PITG_09578	Pi vesicle transporter GOT1B-like protein (615 nt)	30	38	1
PITG_09579	Pi riboflavin biosynthesis protein ribBA, putative (1873	25	54	0
PITG_09581	Pi conserved hypothetical protein (3463 nt)	1	19	0
PITG_09582	Pi ATP phosphoribosyltransferase (900 nt)	12	19	1
PITG_09584	Pi hypothetical protein (885 nt)	42	27	0
PITG_09585	Pi secreted RxLR effector peptide, putative (1020 nt)	6	13	0
PITG_09587	Pi mannose-P-dolichol utilization defect 1 protein (879	2	17	0
PITG_09588	Pi conserved hypothetical protein (1034 nt)	27	15	0
PITG_09593	Pi conserved hypothetical protein (812 nt)	29	42	0
PITG_09594	Pi conserved hypothetical protein (955 nt)	22	32	0
PITG_09595	Pi conserved hypothetical protein (783 nt)	2	1	0
PITG_09596	Pi nucleoside diphosphate kinase B (661 nt)	93	226	31
PITG_09597	Pi conserved hypothetical protein (1395 nt)	66	34	0
PITG_09598	Pi U4/U6.U5 tri-snRNP-associated protein, putative (22	23	49	0
PITG_09599	Pi 2OG-Fe(II) oxygenase superfamily protein (1014 nt)	11	13	0
PITG_09600	Pi conserved hypothetical protein (561 nt)	104	65	1
PITG_09603	Pi conserved hypothetical protein (519 nt)	8	19	0
PITG_09604	Pi conserved hypothetical protein (2560 nt)	18	53	0
PITG_09605	Pi conserved hypothetical protein (608 nt)	19	6	0
PITG_09609	Pi conserved hypothetical protein (769 nt)	79	94	0
PITG_09620	Pi protein kinase (354 nt)	14	2	0
PITG_09621	Pi protein kinase (721 nt)	8	57	0
PITG_09624	Pi conserved hypothetical protein (602 nt)	49	44	0
PITG_09625	Pi conserved hypothetical protein (1359 nt)	4	11	0
PITG_09626	Pi transcription factor BTF3-like protein (888 nt)	805	437	45
PITG_09627	Pi ribosomal protein L23, putative (958 nt)	41	45	2
PITG_09628	Pi conserved hypothetical protein (1141 nt)	13	72	0
PITG_09629	Pi Rab32/38 family GTPase, putative (663 nt)	34	13	0
PITG_09631	Pi conserved hypothetical protein (465 nt)	2	15	1
PITG_09635	Pi orotidine 5'-phosphate decarboxylase, putative (162	8	30	0
PITG_09637	Pi riboflavin biosynthesis protein ribBA (634 nt)	20	36	0
PITG_09638	Pi conserved hypothetical protein (812 nt)	3	9	0

PITG_09640	Pi ATP phosphoribosyltransferase (974 nt)	17	14	1
PITG_09641	Pi conserved hypothetical protein (444 nt)	28	42	0
PITG_09642	Pi conserved hypothetical protein (506 nt)	28	20	0
PITG_09644	Pi conserved hypothetical protein (474 nt)	7	15	0
PITG_09648	Pi conserved hypothetical protein (512 nt)	1	12	0
PITG_09649	Pi conserved hypothetical protein (472 nt)	120	241	0
PITG_09650	Pi conserved hypothetical protein (639 nt)	0	0	0
PITG_09652	Pi conserved hypothetical protein (536 nt)	192	141	2
PITG_09653	Pi U6 snRNA-associated Sm-like protein LSm4, putative	28	43	0
PITG_09655	Pi putative tyrosine-protein phosphatase OCA1, putative	24	88	3
PITG_09663	Pi hypothetical protein (538 nt)	0	21	0
PITG_09664	Pi protein kinase, putative (2462 nt)	3	45	0
PITG_09665	Pi protein kinase, putative (2399 nt)	4	50	0
PITG_09666	Pi conserved hypothetical protein (1146 nt)	2	12	0
PITG_09667	Pi sporangia induced bZIP regulated hypothetical protein	0	0	0
PITG_09669	Pi protein kinase (525 nt)	46	89	0
PITG_09670	Pi protein kinase (621 nt)	0	27	0
PITG_09671	Pi receptor-type tyrosine-protein phosphatase, putative	4	15	0
PITG_09672	Pi cytidylyltransferase (1352 nt)	8	5	0
PITG_09674	Pi cytidylyltransferase (676 nt)	0	17	0
PITG_09675	Pi phosphatidate cytidylyltransferase, putative (1488 nt)	20	8	0
PITG_09676	Pi conserved hypothetical protein (615 nt)	9	4	0
PITG_09679	Pi conserved hypothetical protein (620 nt)	7	15	0
PITG_09680	Pi conserved hypothetical protein (1291 nt)	1	15	0
PITG_09681	Pi transmembrane protein, putative (2182 nt)	1	10	1
PITG_09682	Pi conserved hypothetical protein (1069 nt)	2	21	0
PITG_09684	Pi hypothetical protein (636 nt)	5	31	0
PITG_09690	Pi hypothetical protein (1701 nt)	7	49	0
PITG_09698	Pi histidine biosynthesis trifunctional protein, putative	25	27	0
PITG_09699	Pi conserved hypothetical protein (656 nt)	199	271	13
PITG_09700	Pi conserved hypothetical protein (1255 nt)	5	24	0
PITG_09701	Pi conserved hypothetical protein (489 nt)	5	12	0
PITG_09702	Pi conserved hypothetical protein (1816 nt)	11	40	0
PITG_09703	Pi unc-45 family protein (3219 nt)	1	14	0
PITG_09704	Pi dynein light chain Tctex-type, putative (467 nt)	48	23	0
PITG_09705	Pi SUMO-conjugating enzyme (SCE), putative (483 nt)	55	43	0
PITG_09706	Pi proteasome subunit beta, putative (818 nt)	127	223	7
PITG_09707	Pi mitochondrial import inner membrane translocase subunit	8	15	0
PITG_09708	Pi conserved hypothetical protein (886 nt)	0	2	0
PITG_09710	Pi conserved hypothetical protein (465 nt)	8	0	0
PITG_09711	Pi hypothetical protein (274 nt)	40	42	0
PITG_09712	Pi DNA-directed RNA polymerase I, II, and III subunit rho	12	14	0
PITG_09714	Pi conserved hypothetical protein (1011 nt)	0	11	0
PITG_09715	Pi conserved hypothetical protein (562 nt)	0	0	0
PITG_09721	Pi conserved hypothetical protein (1031 nt)	68	139	2
PITG_09722	Pi thioredoxin H-type (1210 nt)	35	56	0
PITG_09723	Pi conserved hypothetical protein (554 nt)	8	23	0

PITG_09724	Pi conserved hypothetical protein (1302 nt)	102	102	0
PITG_09725	Pi conserved hypothetical protein (1057 nt)	10	29	0
PITG_09726	Pi phosphoribosylaminoimidazole carboxylase (1833 nt)	7	13	0
PITG_09728	Pi exosome complex exonuclease RRP4 (1584 nt)	10	14	0
PITG_09729	Pi conserved hypothetical protein (864 nt)	0	12	0
PITG_09737	Pi hypothetical protein (1053 nt)	1	22	0
PITG_09742	Pi hypothetical protein (2594 nt)	99	354	0
PITG_09744	Pi CUG-BP- and ETR-3-like factor, putative (1645 nt)	348	205	5
PITG_09747	Pi conserved hypothetical protein (1880 nt)	2	20	0
PITG_09748	Pi CUG-BP- and ETR-3-like factor, putative (1607 nt)	60	197	1
PITG_09751	Pi GPI mannosyltransferase 4, putative (1822 nt)	3	19	0
PITG_09752	Pi conserved hypothetical protein (1140 nt)	4	8	0
PITG_09753	Pi conserved hypothetical protein (945 nt)	4	11	0
PITG_09760	Pi mucin-like protein (4777 nt)	22	151	6
PITG_09765	Pi hypothetical protein (1420 nt)	0	5	0
PITG_09767	Pi conserved hypothetical protein (1714 nt)	14	301	0
PITG_09768	Pi dentin sialophosphoprotein-like protein (1715 nt)	103	324	0
PITG_09769	Pi hypothetical protein (616 nt)	182	277	11
PITG_09770	Pi conserved hypothetical protein (1403 nt)	17	38	0
PITG_09772	Pi conserved hypothetical protein (635 nt)	184	310	1
PITG_09779	Pi conserved hypothetical protein (557 nt)	24	28	0
PITG_09780	Pi conserved hypothetical protein (2136 nt)	2	21	0
PITG_09781	Pi conserved hypothetical protein (448 nt)	7	32	0
PITG_09782	Pi palmitoyltransferase, putative (2295 nt)	7	20	0
PITG_09783	Pi conserved hypothetical protein (1687 nt)	20	46	0
PITG_09784	Pi conserved hypothetical protein (465 nt)	105	89	0
PITG_09785	Pi lipase maturation factor 2 (2229 nt)	1	12	0
PITG_09786	Pi conserved hypothetical protein (953 nt)	953	360	14
PITG_09787	Pi cytochrome P450, putative (1697 nt)	89	27	0
PITG_09789	Pi conserved hypothetical protein (2931 nt)	8	38	0
PITG_09790	Pi conserved hypothetical protein (856 nt)	8	17	0
PITG_09791	Pi seryl-tRNA synthetase (1476 nt)	6	10	0
PITG_09792	Pi DEAD/DEAH box RNA helicase, putative (2065 nt)	1	8	0
PITG_09793	Pi small cysteine rich protein SCR108 (1043 nt)	365	1143	48
PITG_09795	Pi conserved hypothetical protein (553 nt)	26	18	0
PITG_09798	Pi glucan 1,3-beta-glucosidase, putative (2238 nt)	122	453	46
PITG_09800	Pi conserved hypothetical protein (1120 nt)	8	22	0
PITG_09815	Pi anthranilate synthase component 2, putative (1155 nt)	7	24	0
PITG_09816	Pi conserved hypothetical protein (1536 nt)	5	15	0
PITG_09817	Pi ribose-phosphate pyrophosphokinase (1247 nt)	8	10	0
PITG_09818	Pi conserved hypothetical protein (3367 nt)	4	18	0
PITG_09819	Pi conserved hypothetical protein (475 nt)	36	11	0
PITG_09820	Pi regulator of chromosome condensation (RCC1)-like protein (1043 nt)	11	47	0
PITG_09821	Pi polysaccharide lyase, putative (409 nt)	2	6	0
PITG_09826	Pi conserved hypothetical protein (2803 nt)	3	11	0
PITG_09827	Pi mitotic checkpoint protein, putative (786 nt)	15	34	0
PITG_09828	Pi U6 snRNA-associated Sm-like protein LSm3, putative (1043 nt)	208	84	3

PITG_09829	Pi conserved hypothetical protein (1602 nt)	3	11	0
PITG_09831	Pi conserved hypothetical protein (677 nt)	4	0	12
PITG_09832	Pi adhesin protein, putative (2265 nt)	7	28	5
PITG_09834	Pi conserved hypothetical protein (3282 nt)	0	1	0
PITG_09835	Pi COP9 signalosome complex subunit, putative (1571 nt)	6	39	0
PITG_09836	Pi secreted RxLR effector peptide, putative (483 nt)	44	29	0
PITG_09837	Pi secreted RxLR effector peptide, putative (369 nt)	62	49	0
PITG_09838	Pi secreted RxLR effector peptide, putative (369 nt)	3	58	0
PITG_09839	Pi conserved hypothetical protein (3126 nt)	1	2	0
PITG_09840	Pi conserved hypothetical protein (345 nt)	3	4	0
PITG_09846	Pi prolyl-tRNA synthetase, putative (2542 nt)	7	55	2
PITG_09848	Pi medium-chain specific acyl-CoA dehydrogenase, mitochondrial	13	203	0
PITG_09849	Pi conserved hypothetical protein (987 nt)	59	23	0
PITG_09851	Pi metalloprotease family M12A, putative (1182 nt)	0	13	0
PITG_09852	Pi conserved hypothetical protein (575 nt)	1	31	0
PITG_09861	Pi secreted RxLR effector peptide, putative (702 nt)	0	11	0
PITG_09862	Pi conserved hypothetical protein (2193 nt)	11	49	0
PITG_09863	Pi septum site-determining protein minD (1017 nt)	12	27	0
PITG_09866	Pi tRNA (adenine-N(1)-methyltransferase non-catalytic)	2	13	0
PITG_09867	Pi calcineurin-like phosphoesterase, putative (1895 nt)	3	9	0
PITG_09868	Pi hypothetical protein (977 nt)	1	0	0
PITG_09870	Pi metalloprotease family M13, putative (2034 nt)	0	24	0
PITG_09872	Pi cell 5A endo-1,4-beta-glucanase (1920 nt)	13	79	0
PITG_09873	Pi pre-mRNA-splicing factor SPF27, putative (2223 nt)	21	87	0
PITG_09874	Pi conserved hypothetical protein (1292 nt)	5	19	2
PITG_09875	Pi AP-4 complex subunit mu-1, putative (1344 nt)	16	42	0
PITG_09876	Pi conserved hypothetical protein (4114 nt)	1	17	0
PITG_09880	Pi conserved hypothetical protein (504 nt)	4	16	0
PITG_09881	Pi ATP-binding Cassette (ABC) superfamily (1089 nt)	6	11	0
PITG_09885	Pi ATP-binding Cassette (ABC) Superfamily (1842 nt)	0	0	0
PITG_09887	Pi alternative oxidase, putative (913 nt)	0	0	0
PITG_09890	Pi alternative oxidase, mitochondrial precursor (1034 nt)	21	1034	0
PITG_09891	Pi conserved hypothetical protein (1419 nt)	21	77	0
PITG_09895	Pi conserved hypothetical protein (1317 nt)	36	27	0
PITG_09896	Pi conserved hypothetical protein (324 nt)	28	24	0
PITG_09897	Pi conserved hypothetical protein (781 nt)	33	18	0
PITG_09898	Pi ras-like protein (1232 nt)	12	40	0
PITG_09899	Pi cleavage induced hypothetical protein (2638 nt)	2	14	0
PITG_09900	Pi 2Fe-2S ferredoxin, putative (545 nt)	6	5	0
PITG_09904	Pi hypothetical protein (3114 nt)	0	0	0
PITG_09906	Pi arabinogalactan endo-1,4-beta-galactosidase, putative	5	30	0
PITG_09907	Pi arabinogalactan endo-1,4-beta-galactosidase, putative	19	67	0
PITG_09910	Pi arabinogalactan endo-1,4-beta-galactosidase (1077 nt)	5	93	0
PITG_09920	Pi conserved hypothetical protein (1401 nt)	5	32	0
PITG_09921	Pi conserved hypothetical protein (1779 nt)	1	12	0
PITG_09922	Pi conserved hypothetical protein (938 nt)	2	7	0
PITG_09923	Pi 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase	3	22	0

PITG_09930	Pi type II inositol-3,4-bisphosphate 4-phosphatase, put	2	35	0
PITG_09931	Pi conserved hypothetical protein (759 nt)	26	40	0
PITG_09932	Pi translation initiation factor eIF-2B subunit epsilon, pi	5	21	0
PITG_09936	Pi conserved hypothetical protein (1312 nt)	38	63	0
PITG_09937	Pi dolichol-phosphate mannosyltransferase (1075 nt)	8	35	1
PITG_09939	Pi conserved hypothetical protein (1099 nt)	30	64	2
PITG_09940	Pi conserved hypothetical protein (2091 nt)	16	29	0
PITG_09941	Pi myosin-like protein (2352 nt)	25	74	2
PITG_09944	Pi hypothetical protein (1224 nt)	1	24	0
PITG_09949	Pi conserved hypothetical protein (798 nt)	2	48	1
PITG_09950	Pi conserved hypothetical protein (3267 nt)	5	25	0
PITG_09951	Pi dicer-like, putative (2154 nt)	12	21	0
PITG_09952	Pi radial spoke protein (872 nt)	0	1	0
PITG_09953	Pi guanylate-binding protein, putative (2898 nt)	4	11	0
PITG_09954	Pi patatin-like phospholipase, putative (2300 nt)	9	21	0
PITG_09955	Pi acyl-CoA dehydrogenase family member 9, mitochor	12	148	0
PITG_09956	Pi pre-mRNA-processing factor, putative (2947 nt)	6	36	0
PITG_09961	Pi conserved hypothetical protein (853 nt)	2	14	0
PITG_09962	Pi conserved hypothetical protein (2799 nt)	4	71	0
PITG_09963	Pi cellulose synthase catalytic subunit, putative (4148 r	58	228	0
PITG_09964	Pi cellulose synthase 2 (3336 nt)	40	208	0
PITG_09965	Pi protein transport Sec23/Sec24-like protein (2541 nt)	5	28	1
PITG_09967	Pi conserved hypothetical protein (807 nt)	1	8	0
PITG_09968	Pi conserved hypothetical protein (1605 nt)	1	10	0
PITG_09977	Pi conserved hypothetical protein (1929 nt)	7	10	0
PITG_09978	Pi conserved hypothetical protein (1349 nt)	12	22	0
PITG_09979	Pi conserved hypothetical protein (1417 nt)	0	1	0
PITG_09980	Pi conserved hypothetical protein (784 nt)	0	13	0
PITG_09981	Pi conserved hypothetical protein (1287 nt)	7	5	0
PITG_09983	Pi protocadherin Fat-like protein (10467 nt)	0	4	0
PITG_09985	Pi pro-apoptotic serine protease nma111-like protein (	5	6	0
PITG_09986	Pi conserved hypothetical protein (2917 nt)	5	22	0
PITG_09987	Pi tRNA pseudouridine synthase, putative (2048 nt)	3	14	0
PITG_09990	Pi dolichyldiphosphatase, putative (941 nt)	20	42	0
PITG_09991	Pi dolichyldiphosphatase 1, putative (1104 nt)	4	15	0
PITG_09992	Pi conserved hypothetical protein (1949 nt)	7	93	0
PITG_09995	Pi conserved hypothetical protein (1983 nt)	13	11	0
PITG_09996	Pi conserved hypothetical protein (720 nt)	13	63	0
PITG_09997	Pi phosphatidate cytidyltransferase, putative (1128 n	8	86	0
PITG_09998	Pi conserved hypothetical protein (862 nt)	46	693	0
PITG_10002	Pi conserved hypothetical protein (1327 nt)	11	11	0
PITG_10004	Pi selenoprotein W-related family, putative (695 nt)	2	8	0
PITG_10005	Pi conserved hypothetical protein (1921 nt)	26	137	0
PITG_10006	Pi conserved hypothetical protein (1480 nt)	4	18	0
PITG_10007	Pi diamminopimelate decarboxylase, putative (1584 nt)	18	36	0
PITG_10008	Pi protein kinase (2733 nt)	4	17	0
PITG_10011	Pi polyketide hydroxylase, putative (1876 nt)	8	15	0

PITG_10012	Pi Drug/Metabolite Transporter (DMT) Superfamily (12	9	39	0
PITG_10014	Pi conserved hypothetical protein (828 nt)	10	41	0
PITG_10016	Pi conserved hypothetical protein (1180 nt)	2	15	0
PITG_10017	Pi conserved hypothetical protein (1414 nt)	59	107	0
PITG_10022	Pi vacuolar protein sorting-associated protein 8 (5419 nt)	10	41	0
PITG_10023	Pi chromodomain protein, putative (1050 nt)	11	10	0
PITG_10026	Pi phosphatidate cytidyltransferase, putative (1847 nt)	10	22	0
PITG_10027	Pi alpha-N-acetylglucosaminidase (NAGLU), putative (2	4	17	0
PITG_10028	Pi serine palmitoyltransferase, putative (1672 nt)	85	115	1
PITG_10029	Pi hypothetical protein (400 nt)	2	14	0
PITG_10030	Pi conserved hypothetical protein (796 nt)	2	5	0
PITG_10031	Pi lysosomal alpha-mannosidase, putative (3135 nt)	5	120	3
PITG_10032	Pi 6-phosphogluconate dehydrogenase (1661 nt)	347	245	18
PITG_10034	Pi fatty acyl-CoA reductase, putative (3991 nt)	1	10	0
PITG_10038	Pi SCP-like extracellular protein (1059 nt)	7	0	0
PITG_10039	Pi conserved hypothetical protein (693 nt)	10	11	0
PITG_10040	Pi conserved hypothetical protein (701 nt)	6	17	0
PITG_10042	Pi conserved hypothetical protein (384 nt)	6	5	0
PITG_10045	Pi ser/thr kinase (4007 nt)	1	16	0
PITG_10048	Pi conserved hypothetical protein (906 nt)	3	13	0
PITG_10049	Pi protein kinase (2110 nt)	4	42	0
PITG_10050	Pi alpha-N-acetylglucosaminidase (NAGLU), putative (2	0	16	0
PITG_10052	Pi choline/Carnitine O-acyltransferase, putative (1929 nt)	4	16	0
PITG_10053	Pi conserved hypothetical protein (673 nt)	4	25	0
PITG_10058	Pi conserved hypothetical protein (5932 nt)	2	34	0
PITG_10059	Pi conserved hypothetical protein (1483 nt)	0	14	0
PITG_10060	Pi conserved hypothetical protein (2022 nt)	1	27	0
PITG_10061	Pi regulator of chromosome condensation (RCC1), putative	4	33	0
PITG_10062	Pi protein kinase, putative (2188 nt)	3	11	0
PITG_10063	Pi omega-3 fatty acid desaturase, endoplasmic reticulum	1	1	1
PITG_10064	Pi conserved hypothetical protein (1378 nt)	31	96	0
PITG_10065	Pi conserved hypothetical protein (1224 nt)	9	21	0
PITG_10068	Pi polycomb-like protein (3343 nt)	2	19	0
PITG_10069	Pi conserved hypothetical protein (869 nt)	11	31	0
PITG_10076	Pi conserved hypothetical protein (930 nt)	0	0	0
PITG_10079	Pi conserved hypothetical protein (1312 nt)	3	4	0
PITG_10080	Pi uroporphyrinogen-III synthase, putative (874 nt)	8	7	0
PITG_10081	Pi conserved hypothetical protein (1329 nt)	16	44	0
PITG_10082	Pi conserved hypothetical protein (1668 nt)	8	11	0
PITG_10083	Pi chromodomain protein, putative (5912 nt)	7	56	0
PITG_10085	Pi conserved hypothetical protein (2970 nt)	6	38	0
PITG_10087	Pi conserved hypothetical protein (2755 nt)	3	24	0
PITG_10094	Pi Intraflagellar Transport Protein 88 (3210 nt)	0	0	0
PITG_10096	Pi conserved hypothetical protein (4107 nt)	0	2	0
PITG_10097	Pi conserved hypothetical protein (1596 nt)	7	19	0
PITG_10098	Pi conserved hypothetical protein (686 nt)	8	17	0
PITG_10105	Pi exportin-T, putative (3093 nt)	2	13	0

PITG_10107	Pi Multidrug/Oligosaccharidyl-lipid/Polysaccharide (MC	1	2	0
PITG_10117	Pi ATP-binding Cassette (ABC) superfamily (5077 nt)	2	11	0
PITG_10118	Pi conserved hypothetical protein (1278 nt)	13	42	0
PITG_10119	Pi ubiquitin-specific protease, putative (5318 nt)	0	32	0
PITG_10120	Pi conserved hypothetical protein (1718 nt)	1	10	0
PITG_10121	Pi conserved hypothetical protein (738 nt)	0	46	0
PITG_10122	Pi Drug/Metabolite Transporter (DMT) Superfamily (10	6	6	0
PITG_10123	Pi Drug/Metabolite Transporter (DMT) Superfamily (36	1	12	0
PITG_10124	Pi Drug/Metabolite Transporter (DMT) Superfamily (12	26	16	0
PITG_10127	Pi ras family GTPase, putative (1150 nt)	2	1	0
PITG_10129	Pi conserved hypothetical protein (891 nt)	30	95	1
PITG_10131	Pi conserved hypothetical protein (563 nt)	0	0	0
PITG_10132	Pi conserved hypothetical protein (3213 nt)	4	4	0
PITG_10133	Pi hypothetical protein (402 nt)	27	6	0
PITG_10134	Pi signal peptide peptidase-like, aspartyl protease fami	11	18	0
PITG_10136	Pi conserved hypothetical protein (627 nt)	4	9	0
PITG_10138	Pi alkaline phytoceramidase (aPHC), putative (871 nt)	6	35	0
PITG_10140	Pi Mitochondrial Carrier (MC) Family (1097 nt)	1	21	0
PITG_10141	Pi conserved hypothetical protein (2682 nt)	14	41	0
PITG_10142	Pi conserved hypothetical protein (4210 nt)	18	70	3
PITG_10145	Pi conserved hypothetical protein (567 nt)	6	14	0
PITG_10146	Pi 40S ribosomal protein S2 (1222 nt)	225	148	67
PITG_10147	Pi cell division protease ftsH (2771 nt)	8	27	0
PITG_10148	Pi conserved hypothetical protein (880 nt)	128	96	1
PITG_10149	Pi mannosyl-oligosaccharide 1,2-alpha-mannosidase, p	29	9	0
PITG_10150	Pi conserved hypothetical protein (3680 nt)	7	6	0
PITG_10152	Pi calcium-binding atopy-related autoantigen-like prote	14	52	0
PITG_10153	Pi conserved hypothetical protein (868 nt)	482	108	0
PITG_10154	Pi conserved hypothetical protein (1158 nt)	160	36	0
PITG_10158	Pi conserved hypothetical protein (3450 nt)	2	10	0
PITG_10160	Pi NADPH-cytochrome P450 reductase, putative (2164	4	33	0
PITG_10163	Pi conserved hypothetical protein (2631 nt)	7	18	0
PITG_10164	Pi NAD-dependent histone deacetylase sir2-like proteir	5	27	0
PITG_10165	Pi conserved hypothetical protein (2226 nt)	0	4	0
PITG_10167	Pi eukaryotic translation initiation factor 4 gamma 2, pi	4	31	0
PITG_10168	Pi conserved hypothetical protein (357 nt)	76	61	0
PITG_10169	Pi 26S protease regulatory subunit 7 (1450 nt)	41	109	4
PITG_10173	Pi NADPH-cytochrome P450 reductase, putative (2371	0	22	0
PITG_10175	Pi conserved hypothetical protein (1981 nt)	0	18	0
PITG_10183	Pi conserved hypothetical protein (872 nt)	12	23	0
PITG_10184	Pi conserved hypothetical protein (1195 nt)	15	19	0
PITG_10185	Pi conserved hypothetical protein (504 nt)	98	243	6
PITG_10186	Pi cell division control protein 45 (2414 nt)	0	15	0
PITG_10190	Pi conserved hypothetical protein (796 nt)	8	17	0
PITG_10191	Pi conserved hypothetical protein (2294 nt)	6	22	0
PITG_10193	Pi ubiquitin, putative (471 nt)	1067	1107	167
PITG_10195	Pi acyl-CoA desaturase (1123 nt)	12	39	7

PITG_10196	Pi conserved hypothetical protein (444 nt)	7	22	0
PITG_10198	Pi adenosylhomocysteinase (1443 nt)	11	87	35
PITG_10199	Pi conserved hypothetical protein (417 nt)	3	1	0
PITG_10201	Pi conserved hypothetical protein (942 nt)	3	17	0
PITG_10202	Pi hypothetical protein (698 nt)	1308	896	84
PITG_10203	Pi conserved hypothetical protein (1104 nt)	55	144	8
PITG_10207	Pi Mitochondrial Carrier (MC) Family (1035 nt)	13	42	1
PITG_10208	Pi conserved hypothetical protein (551 nt)	9	16	1
PITG_10210	Pi phosphoenolpyruvate carboxykinase (1839 nt)	217	220	4
PITG_10211	Pi conserved hypothetical protein (697 nt)	0	2	0
PITG_10212	Pi ADP-ribosylation factor family (634 nt)	6	2	0
PITG_10213	Pi conserved hypothetical protein (1236 nt)	11	236	0
PITG_10214	Pi conserved hypothetical protein (767 nt)	11	18	0
PITG_10217	Pi glucan 1,3-beta-glucosidase, putative (3102 nt)	20	2	0
PITG_10218	Pi glucan 1,3-beta-glucosidase, putative (1915 nt)	18	193	18
PITG_10219	Pi V-type proton ATPase subunit E, putative (824 nt)	58	201	4
PITG_10221	Pi hypothetical protein (529 nt)	27	23	0
PITG_10226	Pi Ammonium Transporter (Amt) Family (1557 nt)	0	0	0
PITG_10239	Pi myosin heavy chain kinase, putative (2173 nt)	19	22	0
PITG_10240	Pi pirin, putative (1213 nt)	14	88	0
PITG_10250	Pi conserved hypothetical protein (2117 nt)	4	16	0
PITG_10256	Pi conserved hypothetical protein (2930 nt)	0	2	0
PITG_10258	Pi conserved hypothetical protein (381 nt)	42	6	0
PITG_10263	Pi 60S ribosomal protein L37a, putative (825 nt)	1005	1131	95
PITG_10264	Pi D-3-phosphoglycerate dehydrogenase (1493 nt)	5	20	0
PITG_10265	Pi conserved hypothetical protein (2322 nt)	0	17	0
PITG_10268	Pi hypothetical protein (2199 nt)	18	51	0
PITG_10269	Pi conserved hypothetical protein (749 nt)	82	1447	0
PITG_10271	Pi conserved hypothetical protein (948 nt)	1	15	0
PITG_10272	Pi conserved hypothetical protein (557 nt)	0	17	0
PITG_10274	Pi acetyltransferase (GNAT) family, putative (871 nt)	7	20	0
PITG_10275	Pi conserved hypothetical protein (2856 nt)	2	23	0
PITG_10282	Pi pre-mRNA branch site protein p14, putative (673 nt)	103	72	0
PITG_10284	Pi cellulose binding elicitor lectin (CBEL), putative (1639 nt)	0	0	0
PITG_10285	Pi conserved hypothetical protein (2697 nt)	2	26	0
PITG_10287	Pi adenylate cyclase, putative (4726 nt)	0	2	0
PITG_10289	Pi DNA-dependent RNA polymerase, putative (3507 nt)	3	18	0
PITG_10290	Pi alcohol dehydrogenase, putative (1233 nt)	6	343	0
PITG_10291	Pi conserved hypothetical protein (1955 nt)	1	11	0
PITG_10292	Pi alcohol dehydrogenase, putative (1239 nt)	21	7	0
PITG_10293	Pi alcohol dehydrogenase, putative (1967 nt)	11	21	0
PITG_10294	Pi conserved hypothetical protein (899 nt)	0	0	0
PITG_10298	Pi conserved hypothetical protein (577 nt)	9	28	0
PITG_10299	Pi conserved hypothetical protein (479 nt)	0	0	0
PITG_10300	Pi electron transfer flavoprotein subunit beta (890 nt)	43	139	5
PITG_10301	Pi homoserine O-acetyltransferase, putative (1212 nt)	3	37	0
PITG_10302	Pi Sulfate Permease (SulP) Family (2751 nt)	0	13	0

PITG_10303	Pi conserved hypothetical protein (992 nt)	6	84	0
PITG_10308	Pi conserved hypothetical protein (2740 nt)	9	94	0
PITG_10310	Pi myb-like DNA-binding protein, putative (699 nt)	0	15	0
PITG_10311	Pi myb-like DNA-binding domain, putative (2590 nt)	26	168	2
PITG_10312	Pi Patatin like protein (874 nt)	3	31	0
PITG_10314	Pi conserved hypothetical protein (1568 nt)	0	18	0
PITG_10315	Pi UDP-sugar pyrophosphorylase, putative (1913 nt)	1	26	0
PITG_10316	Pi RNA exonuclease 4 (1140 nt)	28	20	0
PITG_10321	Pi conserved hypothetical protein (1432 nt)	8	3	0
PITG_10323	Pi hypothetical protein (382 nt)	5	40	0
PITG_10325	Pi conserved hypothetical protein (2351 nt)	11	21	0
PITG_10326	Pi hypothetical protein (2982 nt)	0	86	0
PITG_10328	Pi conserved hypothetical protein (2733 nt)	0	11	0
PITG_10334	Pi serine/threonine protein kinase (1221 nt)	6	21	0
PITG_10335	Pi carnitine O-palmitoyltransferase 2, putative (823 nt)	3	51	0
PITG_10343	Pi conserved hypothetical protein (4480 nt)	2	39	0
PITG_10345	Pi conserved hypothetical protein (2367 nt)	6	55	0
PITG_10347	Pi secreted RxLR effector peptide, putative (1329 nt)	0	0	4
PITG_10351	Pi conserved hypothetical protein (3514 nt)	4	25	0
PITG_10352	Pi sporangia induced hypothetical protein (731 nt)	138	188	0
PITG_10353	Pi conserved hypothetical protein (688 nt)	89	21	0
PITG_10355	Pi conserved hypothetical protein (1203 nt)	0	14	0
PITG_10362	Pi conserved hypothetical protein (867 nt)	6190	85	0
PITG_10364	Pi conserved hypothetical protein (810 nt)	1785	535	0
PITG_10365	Pi conserved hypothetical protein (819 nt)	2413	486	0
PITG_10369	Pi Mitochondrial Protein Translocase (MPT) Family (390 nt)	1	52	4
PITG_10372	Pi conserved hypothetical protein (1547 nt)	1845	52	0
PITG_10373	Pi conserved hypothetical protein (930 nt)	2645	465	0
PITG_10374	Pi conserved hypothetical protein (915 nt)	1208	170	0
PITG_10375	Pi conserved hypothetical protein (813 nt)	990	210	0
PITG_10378	Pi conserved hypothetical protein (999 nt)	2748	286	0
PITG_10380	Pi conserved hypothetical protein (1392 nt)	0	0	0
PITG_10381	Pi SCP-like extracellular protein (2091 nt)	1	4	0
PITG_10382	Pi conserved hypothetical protein (1263 nt)	2	11	0
PITG_10383	Pi conserved hypothetical protein (1023 nt)	20	48	0
PITG_10384	Pi hypothetical protein (1443 nt)	10	110	0
PITG_10388	Pi myosin-like protein (2458 nt)	3	30	0
PITG_10389	Pi conserved hypothetical protein (363 nt)	5	5	0
PITG_10390	Pi conserved hypothetical protein (527 nt)	104	8	0
PITG_10392	Pi conserved hypothetical protein (632 nt)	100	20	0
PITG_10393	Pi conserved hypothetical protein (522 nt)	0	12	0
PITG_10394	Pi nitric oxide synthase-interacting protein, putative (813 nt)	4	15	0
PITG_10395	Pi conserved hypothetical protein (847 nt)	2	21	0
PITG_10399	Pi glycoside hydrolase, putative (1473 nt)	1	12	0
PITG_10400	Pi conserved hypothetical protein (501 nt)	4	28	0
PITG_10408	Pi SCP-like extracellular protein (612 nt)	0	13	0
PITG_10409	Pi SCP-like extracellular protein (603 nt)	0	8	9

PITG_10410	Pi SCP-like extracellular protein (1006 nt)	1	11	4
PITG_10412	Pi SCP-like extracellular protein (915 nt)	0	2	0
PITG_10413	Pi SCP-like extracellular protein (549 nt)	0	0	0
PITG_10416	Pi nuclear pore glycoprotein, putative (1609 nt)	4	36	0
PITG_10417	Pi conserved hypothetical protein (904 nt)	13	47	0
PITG_10419	Pi ubiquitin-conjugating enzyme E2, putative (1070 nt)	1	19	0
PITG_10420	Pi conserved hypothetical protein (6036 nt)	1	15	0
PITG_10421	Pi conserved hypothetical protein (2203 nt)	0	3	0
PITG_10422	Pi conserved hypothetical protein (1180 nt)	1	10	0
PITG_10423	Pi conserved hypothetical protein (1419 nt)	1	16	0
PITG_10429	Pi SCP-like extracellular protein (694 nt)	7	17	0
PITG_10430	Pi peroxisomal acyl-coenzyme A oxidase, putative (197	6	24	0
PITG_10437	Pi acyl-CoA dehydrogenase/oxidase (2174 nt)	2	18	0
PITG_10440	Pi conserved hypothetical protein (503 nt)	5	26	0
PITG_10441	Pi conserved hypothetical protein (2635 nt)	1	14	0
PITG_10442	Pi conserved hypothetical protein (3895 nt)	7	57	0
PITG_10443	Pi peroxisomal acyl-coenzyme A oxidase, putative (200	6	27	0
PITG_10445	Pi DNA-directed RNA polymerase I, II, and III subunit RF	3	16	0
PITG_10447	Pi mitogen-activated protein kinase, putative (2007 nt)	4	36	0
PITG_10449	Pi ATP-binding Cassette (ABC) Superfamily (5896 nt)	4	72	0
PITG_10450	Pi protein kinase, putative (1742 nt)	3	26	0
PITG_10451	Pi conserved hypothetical protein (6511 nt)	0	13	0
PITG_10452	Pi CAD protein (4584 nt)	0	11	1
PITG_10454	Pi carbamoyl-phosphate synthase [ammonia], putative	1	23	1
PITG_10455	Pi conserved hypothetical protein (2354 nt)	4	58	1
PITG_10457	Pi RNA-dependent RNA Polymerase1 (RDR1) (8085 nt)	0	14	0
PITG_10459	Pi conserved hypothetical protein (661 nt)	88	250	0
PITG_10460	Pi conserved hypothetical protein (5694 nt)	15	26	0
PITG_10461	Pi conserved hypothetical protein (3195 nt)	4	34	0
PITG_10462	Pi conserved hypothetical protein (3594 nt)	7	43	0
PITG_10463	Pi conserved hypothetical protein (953 nt)	27	44	0
PITG_10470	Pi conserved hypothetical protein (605 nt)	105	629	1
PITG_10471	Pi conserved hypothetical protein (996 nt)	0	39	0
PITG_10472	Pi conserved hypothetical protein (1187 nt)	1	19	0
PITG_10473	Pi conserved hypothetical protein (1473 nt)	4	13	0
PITG_10474	Pi hypothetical protein (1124 nt)	0	1	0
PITG_10475	Pi kinesin-like protein (2201 nt)	0	0	0
PITG_10480	Pi translation initiation factor eIF-2B subunit beta, puta	1	21	0
PITG_10481	Pi conserved hypothetical protein (2053 nt)	6	16	0
PITG_10482	Pi pre-mRNA-splicing factor 18, putative (1063 nt)	0	15	0
PITG_10483	Pi conserved hypothetical protein (2773 nt)	0	10	0
PITG_10484	Pi axin interactor, putative (1221 nt)	32	2	0
PITG_10485	Pi conserved hypothetical protein (1836 nt)	0	20	0
PITG_10487	Pi conserved hypothetical protein (1587 nt)	14	16	0
PITG_10488	Pi protein kinase, putative (1257 nt)	23	17	0
PITG_10490	Pi hypothetical protein (1293 nt)	3	6	0
PITG_10492	Pi lactation elevated protein 1 (1345 nt)	1	11	0

PITG_10493	Pi hypothetical protein (927 nt)	0	85	0
PITG_10495	Pi hypothetical protein (1115 nt)	0	783	0
PITG_10498	Pi conserved hypothetical protein (658 nt)	78	1039	0
PITG_10499	Pi conserved hypothetical protein (2133 nt)	18	138	0
PITG_10501	Pi conserved hypothetical protein (404 nt)	37	44	0
PITG_10502	Pi conserved hypothetical protein (676 nt)	23	21	0
PITG_10507	Pi cleavage induced hypothetical protein (1441 nt)	0	6	0
PITG_10508	Pi programmed cell death protein 2, putative (1313 nt)	0	14	0
PITG_10509	Pi L-2-hydroxyglutarate dehydrogenase, putative (1415 nt)	6	13	0
PITG_10513	Pi proteasome subunit alpha type-6, putative (930 nt)	31	269	13
PITG_10514	Pi kinesin-like protein (1702 nt)	2	53	0
PITG_10516	Pi tryptophanyl-tRNA synthetase (1319 nt)	2	14	0
PITG_10517	Pi tenascin-like protein (2406 nt)	0	14	0
PITG_10518	Pi bloom syndrome protein (3969 nt)	0	20	0
PITG_10519	Pi pantoate beta-alanine ligase, putative (949 nt)	3	8	0
PITG_10521	Pi hypothetical protein (2059 nt)	0	18	0
PITG_10524	Pi gastricsin, aspartyl protease family A01A, putative (2059 nt)	5	33	1
PITG_10526	Pi conserved hypothetical protein (3273 nt)	0	0	0
PITG_10532	Pi conserved hypothetical protein (490 nt)	12	15	0
PITG_10533	Pi conserved hypothetical protein (1218 nt)	8	21	0
PITG_10534	Pi conserved hypothetical protein (1580 nt)	6	20	0
PITG_10539	Pi conserved hypothetical protein (650 nt)	14	21	0
PITG_10542	Pi conserved hypothetical protein (1600 nt)	1	0	9
PITG_10543	Pi conserved hypothetical protein (1087 nt)	65	1922	17
PITG_10544	Pi putative GPI-anchored acidic protein (979 nt)	0	19	0
PITG_10547	Pi hypothetical protein (524 nt)	3	11	0
PITG_10552	Pi hypothetical protein (1882 nt)	14	25	5
PITG_10553	Pi Poly(ADP-ribose) glycohydrolase, putative (1659 nt)	3	31	0
PITG_10555	Pi conserved hypothetical protein (1371 nt)	0	17	0
PITG_10556	Pi conserved hypothetical protein (1362 nt)	2	38	0
PITG_10557	Pi conserved hypothetical protein (1088 nt)	0	25	0
PITG_10558	Pi conserved hypothetical protein (2168 nt)	0	28	0
PITG_10561	Pi conserved hypothetical protein (844 nt)	1	25	0
PITG_10564	Pi conserved hypothetical protein (597 nt)	6	8	0
PITG_10566	Pi hypothetical protein (296 nt)	7	31	0
PITG_10569	Pi hypothetical protein (341 nt)	3	28	0
PITG_10570	Pi hypothetical protein (974 nt)	12	50	0
PITG_10571	Pi hypothetical protein (357 nt)	0	0	0
PITG_10574	Pi RNA pseudouridylate synthase, putative (1084 nt)	1	10	0
PITG_10576	Pi conserved hypothetical protein (1213 nt)	4	16	0
PITG_10590	Pi kynurenine-oxoglutarate transaminase, putative (1515 nt)	6	28	0
PITG_10591	Pi conserved hypothetical protein (2555 nt)	1	14	0
PITG_10592	Pi DEAD/DEAH box RNA helicase, putative (2818 nt)	1	10	0
PITG_10593	Pi conserved hypothetical protein (1185 nt)	2	10	0
PITG_10594	Pi conserved hypothetical protein (1834 nt)	1	19	0
PITG_10595	Pi delta-1-pyrroline-5-carboxylate reductase, putative (1834 nt)	6	17	0
PITG_10597	Pi hypothetical protein (1250 nt)	47	527	3

PITG_10600	Pi conserved hypothetical protein (2646 nt)	6	41	1
PITG_10601	Pi molybdenum cofactor biosynthesis protein 1 A (154:	21	29	0
PITG_10602	Pi DNA repair protein, putative (1974 nt)	2	13	0
PITG_10610	Pi conserved hypothetical protein (912 nt)	3	12	0
PITG_10611	Pi conserved hypothetical protein (973 nt)	0	0	0
PITG_10615	Pi conserved hypothetical protein (1117 nt)	4	14	0
PITG_10616	Pi endoplasmic reticulum-Golgi intermediate compartn	6	47	1
PITG_10617	Pi conserved hypothetical protein (4837 nt)	3	25	0
PITG_10622	Pi lipase, putative (689 nt)	1	10	0
PITG_10624	Pi conserved hypothetical protein (1868 nt)	10	23	0
PITG_10625	Pi conserved hypothetical protein (978 nt)	2	11	0
PITG_10629	Pi conserved hypothetical protein (2612 nt)	6	6	0
PITG_10635	Pi conserved hypothetical protein (470 nt)	4	33	0
PITG_10636	Pi conserved hypothetical protein (1056 nt)	7	4	54
PITG_10637	Pi conserved hypothetical protein (1272 nt)	7	3	31
PITG_10645	Pi conserved hypothetical protein (3802 nt)	8	25	0
PITG_10648	Pi conserved hypothetical protein (1964 nt)	8	22	0
PITG_10649	Pi conserved hypothetical protein (1782 nt)	136	271	1
PITG_10650	Pi hypothetical protein (548 nt)	6	23	0
PITG_10651	Pi conserved hypothetical protein (1140 nt)	1	2	0
PITG_10659	Pi conserved hypothetical protein (752 nt)	47	29	0
PITG_10663	Pi Multidrug/Oligosaccharidyl-lipid/Polysaccharide (MC	2	26	0
PITG_10664	Pi Intraflagellar Transport Protein 122 (4279 nt)	4	12	0
PITG_10667	Pi conserved hypothetical protein (2577 nt)	6	10	0
PITG_10674	Pi CorA Metal Ion Transporter (MIT) Family (2073 nt)	2	111	0
PITG_10675	Pi protein kinase, putative (1566 nt)	1	17	0
PITG_10676	Pi transmembrane protein, putative (2010 nt)	0	13	0
PITG_10680	Pi conserved hypothetical protein (486 nt)	26	262	0
PITG_10681	Pi conserved hypothetical protein (1103 nt)	16	163	0
PITG_10683	Pi conserved hypothetical protein (966 nt)	7	54	0
PITG_10686	Pi conserved hypothetical protein (796 nt)	26	3	0
PITG_10687	Pi conserved hypothetical protein (468 nt)	6	61	0
PITG_10690	Pi conserved hypothetical protein (1609 nt)	2	15	0
PITG_10693	Pi conserved hypothetical protein (1256 nt)	136	725	0
PITG_10695	Pi conserved hypothetical protein (802 nt)	12	75	0
PITG_10701	Pi carbohydrate-binding protein, putative (1605 nt)	1	6	0
PITG_10702	Pi conserved hypothetical protein (790 nt)	1	12	0
PITG_10707	Pi PpiC-type peptidyl-prolyl cis-trans isomerase, putativ	50	113	2
PITG_10711	Pi PpiC-type peptidyl-prolyl cis-trans isomerase, putativ	27	90	0
PITG_10715	Pi hypothetical protein (1221 nt)	25	450	0
PITG_10721	Pi transmembrane protein, putative (1707 nt)	1	16	0
PITG_10722	Pi conserved hypothetical protein (1447 nt)	24	10	0
PITG_10723	Pi conserved hypothetical protein (702 nt)	23	53	0
PITG_10724	Pi conserved hypothetical protein (8835 nt)	0	11	0
PITG_10725	Pi ribosomal RNA processing protein 1 (1804 nt)	0	12	0
PITG_10729	Pi conserved hypothetical protein (10174 nt)	5	55	0
PITG_10735	Pi conserved hypothetical protein (984 nt)	34	20	0

PITG_10736	Pi cysteine protease family C54, putative (1313 nt)	35	101	0
PITG_10743	Pi conserved hypothetical protein (7120 nt)	5	19	0
PITG_10745	Pi conserved hypothetical protein (615 nt)	0	0	0
PITG_10747	Pi conserved hypothetical protein (721 nt)	19	77	2
PITG_10750	Pi beta-glucan synthesis-associated protein, putative (2	10	103	0
PITG_10751	Pi conserved hypothetical protein (797 nt)	1	41	0
PITG_10758	Pi beta-glucan synthesis-associated protein, putative (2	2	11	0
PITG_10762	Pi transmembrane protein, putative (1989 nt)	3	13	0
PITG_10763	Pi lysocardiolipin acyltransferase, putative (1851 nt)	32	216	0
PITG_10764	Pi transmembrane protein, putative (1509 nt)	5	26	0
PITG_10765	Pi beta-glucan synthesis-associated protein, putative (2	80	367	0
PITG_10768	Pi conserved hypothetical protein (972 nt)	1	5	1
PITG_10769	Pi conserved hypothetical protein (911 nt)	0	0	0
PITG_10772	Pi putative GPI-anchored elicitin INL11b-like protein (5	1	22	1
PITG_10783	Pi CorA Metal Ion Transporter (MIT) Family (1620 nt)	4	9	0
PITG_10784	Pi conserved hypothetical protein (777 nt)	5	9	0
PITG_10792	Pi conserved hypothetical protein (1930 nt)	8	8	0
PITG_10794	Pi conserved oligomeric Golgi complex subunit 6, putat	1	18	0
PITG_10795	Pi conserved hypothetical protein (1944 nt)	3	17	0
PITG_10796	Pi conserved hypothetical protein (1721 nt)	28	13	0
PITG_10799	Pi conserved hypothetical protein (955 nt)	0	1	0
PITG_10801	Pi sister chromatid cohesion protein PDS5 (4001 nt)	0	17	0
PITG_10806	Pi conserved hypothetical protein (1542 nt)	20	96	0
PITG_10813	Pi endoplasmic reticulum metalloproteinase, putative (2	4	12	0
PITG_10815	Pi conserved hypothetical protein (1393 nt)	10	117	0
PITG_10816	Pi conserved hypothetical protein (867 nt)	3	8	0
PITG_10817	Pi nonsense transcript regulator (1299 nt)	1	18	0
PITG_10819	Pi midasin-like protein (18373 nt)	1	8	0
PITG_10821	Pi ubiquitin-specific protease, putative (1423 nt)	18	27	0
PITG_10822	Pi Mitochondrial Protein Translocase (MPT) Family (65	40	36	1
PITG_10827	Pi nuclease, putative (2879 nt)	33	55	1
PITG_10828	Pi conserved hypothetical protein (1943 nt)	15	84	0
PITG_10830	Pi cyclin-dependent kinase with F-box domain, putative	12	23	0
PITG_10831	Pi cyclin-dependent kinase with F-box domain, putative	2	27	0
PITG_10832	Pi protein recA (1647 nt)	5	16	0
PITG_10834	Pi calcium-activated potassium channel subunit alpha-1	0	8	0
PITG_10835	Pi secreted RxLR effector peptide, putative (726 nt)	0	0	2
PITG_10836	Pi HECT E3 ubiquitin ligase, putative (2000 nt)	2	10	0
PITG_10837	Pi conserved hypothetical protein (3679 nt)	13	15	0
PITG_10838	Pi dolichyl-P-Man:Man(7)GlcNAc(2)-PP-dolichyl-alpha-1	6	33	0
PITG_10844	Pi conserved hypothetical protein (1937 nt)	2	27	0
PITG_10845	Pi conserved hypothetical protein (2676 nt)	2	26	0
PITG_10846	Pi lysosomal alpha-glucosidase, putative (3666 nt)	0	4	0
PITG_10849	Pi conserved hypothetical protein (2061 nt)	0	4	0
PITG_10853	Pi conserved hypothetical protein (2451 nt)	0	21	0
PITG_10854	Pi hypothetical protein (921 nt)	6	0	0
PITG_10856	Pi conserved hypothetical protein (1031 nt)	1	21	0

PITG_10857	Pi ubiquitin fusion degradation protein, putative (3949 nt)	11	30	0
PITG_10858	Pi glycine cleavage system H protein, mitochondrial precursor (1008 nt)	99	299	20
PITG_10860	Pi conserved hypothetical protein (1061 nt)	0	13	0
PITG_10861	Pi nuclear transcription factor Y subunit B-3 (700 nt)	145	254	1
PITG_10862	Pi cytochrome c oxidase assembly protein COX11, mitochondrial (1008 nt)	172	67	0
PITG_10863	Pi 60S ribosomal protein L32-1 (723 nt)	925	817	87
PITG_10864	Pi conserved hypothetical protein (1542 nt)	1	15	0
PITG_10865	Pi dymeclin, putative (2772 nt)	1	14	0
PITG_10866	Pi spermidine synthase, putative (1070 nt)	3	14	1
PITG_10868	Pi conserved hypothetical protein (1427 nt)	6	9	0
PITG_10870	Pi conserved hypothetical protein (1393 nt)	0	1	0
PITG_10871	Pi U1 small nuclear ribonucleoprotein C, putative (871 nt)	8	36	0
PITG_10877	Pi peptidyl-prolyl cis-trans isomerase, putative (765 nt)	4	8	0
PITG_10878	Pi conserved hypothetical protein (687 nt)	134	97	3
PITG_10881	Pi kinesin-like protein (2499 nt)	2	22	0
PITG_10882	Pi conserved hypothetical protein (1014 nt)	11	9	0
PITG_10883	Pi 26S proteasome non-ATPase regulatory subunit, putative (1008 nt)	31	73	1
PITG_10884	Pi protein kinase, putative (2730 nt)	2	17	0
PITG_10885	Pi conserved hypothetical protein (1708 nt)	3	51	0
PITG_10886	Pi conserved hypothetical protein (470 nt)	10	28	0
PITG_10887	Pi 40S ribosomal protein S11 (1081 nt)	582	455	56
PITG_10888	Pi Resistance-Nodulation-Cell Division (RND) Superfamily (1008 nt)	12	25	0
PITG_10889	Pi conserved hypothetical protein (3143 nt)	1	11	0
PITG_10891	Pi inositol transporter, putative (1586 nt)	2	12	0
PITG_10892	Pi hypothetical protein (1141 nt)	4	25	0
PITG_10894	Pi hypothetical protein (1440 nt)	4	19	0
PITG_10895	Pi conserved hypothetical protein (2655 nt)	27	46	0
PITG_10896	Pi conserved hypothetical protein (1747 nt)	6	2	0
PITG_10897	Pi Chloride Channel (ClC) Family (2473 nt)	0	0	0
PITG_10898	Pi conserved hypothetical protein (1503 nt)	1	17	0
PITG_10899	Pi protein kinase, putative (1146 nt)	17	46	0
PITG_10900	Pi conserved hypothetical protein (1587 nt)	3	12	0
PITG_10901	Pi resistance-Nodulation-Cell Division (RND) superfamily (1008 nt)	2	33	0
PITG_10903	Pi probable adenosine deaminase, putative (1356 nt)	22	28	0
PITG_10905	Pi conserved hypothetical protein (1815 nt)	20	67	0
PITG_10911	Pi conserved hypothetical protein (1182 nt)	9	46	0
PITG_10912	Pi conserved hypothetical protein (2094 nt)	1	18	0
PITG_10913	Pi conserved hypothetical protein (841 nt)	86	265	8
PITG_10915	Pi conserved hypothetical protein (1692 nt)	0	0	0
PITG_10916	Pi eukaryotic translation initiation factor 3, putative (1008 nt)	30	44	3
PITG_10921	Pi conserved hypothetical protein (15721 nt)	1	34	0
PITG_10922	Pi fatty acid synthase subunit alpha, putative (12163 nt)	0	16	0
PITG_10923	Pi apolipoprotein A-I-binding protein, putative (966 nt)	4	18	0
PITG_10926	Pi fatty acid synthase subunit alpha, putative (12098 nt)	0	15	0
PITG_10927	Pi conserved hypothetical protein (727 nt)	74	5	0
PITG_10929	Pi proteasome subunit alpha, putative (964 nt)	30	184	9
PITG_10931	Pi conserved hypothetical protein (2048 nt)	7	17	0

PITG_10932	Pi dipeptidyl peptidase, putative (2406 nt)	17	27	0
PITG_10934	Pi conserved hypothetical protein (1731 nt)	3	5	0
PITG_10935	Pi phosphatidylinositol kinase (PIK-I) (3717 nt)	2	26	0
PITG_10936	Pi hypothetical protein (739 nt)	19	80	0
PITG_10937	Pi UDP-glucuronic acid decarboxylase 1 (1286 nt)	11	75	0
PITG_10938	Pi protein phosphatase 2C, putative (1237 nt)	81	169	0
PITG_10939	Pi conserved hypothetical protein (681 nt)	101	78	0
PITG_10940	Pi aldehyde dehydrogenase, mitochondrial precursor (:	16	58	0
PITG_10941	Pi elongation factor 2 (2909 nt)	111	351	70
PITG_10942	Pi conserved hypothetical protein (1319 nt)	221	156	4
PITG_10943	Pi conserved hypothetical protein (1415 nt)	6	12	0
PITG_10949	Pi conserved hypothetical protein (829 nt)	4	6	0
PITG_10950	Pi conserved hypothetical protein (1773 nt)	7	15	0
PITG_10951	Pi succinate dehydrogenase iron-sulfur protein, mitoch	47	96	12
PITG_10952	Pi conserved hypothetical protein (3778 nt)	6	36	0
PITG_10954	Pi conserved hypothetical protein (1466 nt)	1	10	0
PITG_10955	Pi conserved hypothetical protein (1538 nt)	1	12	0
PITG_10957	Pi hypothetical protein (2152 nt)	60	99	0
PITG_10961	Pi conserved hypothetical protein (1307 nt)	22	14	0
PITG_10965	Pi conserved hypothetical protein (2415 nt)	0	0	0
PITG_10966	Pi conserved hypothetical protein (672 nt)	0	0	0
PITG_10967	Pi ras GTPase-activating protein-binding protein, putati	17	40	1
PITG_10968	Pi CCR4-NOT transcription complex subunit, putative (2	1	16	0
PITG_10969	Pi pre-mRNA-processing-splicing factor 8 (7384 nt)	2	26	0
PITG_10971	Pi protein kinase, putative (2405 nt)	9	40	0
PITG_10972	Pi thioredoxin-like protein (1089 nt)	56	253	10
PITG_10973	Pi conserved hypothetical protein (3557 nt)	0	20	0
PITG_10974	Pi elongation factor 1-gamma, putative (1420 nt)	167	332	29
PITG_10977	Pi flavin-binding monooxygenase-like protein (1563 nt)	2	12	0
PITG_10979	Pi elongation factor 1-gamma, putative (1555 nt)	5	38	2
PITG_10980	Pi phosphatidylinositol-4-phosphate-5-kinase (Pi-PIP-K-I	9	79	0
PITG_10981	Pi conserved hypothetical protein (3176 nt)	0	4	0
PITG_10983	Pi conserved hypothetical protein (558 nt)	6	23	0
PITG_10984	Pi choline transporter-like protein (2525 nt)	0	0	0
PITG_10986	Pi nuclear transcription factor Y subunit, putative (998	6	13	4
PITG_10987	Pi Drug/Metabolite Transporter (DMT) Superfamily (14	10	34	0
PITG_10989	Pi down syndrome critical region protein 3 (1808 nt)	10	22	0
PITG_10990	Pi farnesyl pyrophosphate synthetase (1420 nt)	2	16	0
PITG_10991	Pi conserved hypothetical protein (1197 nt)	0	0	0
PITG_10992	Pi conserved hypothetical protein (417 nt)	32	15	0
PITG_10993	Pi CASP-like protein (2332 nt)	7	18	0
PITG_10994	Pi mitochondrial inner membrane protease subunit, pu	6	21	0
PITG_10995	Pi conserved hypothetical protein (1065 nt)	31	39	0
PITG_10997	Pi hypothetical protein (2542 nt)	0	0	0
PITG_10998	Pi Glycogen Synthase Kinase 3 beta (1776 nt)	30	56	0
PITG_10999	Pi endo-1,3(4)-beta-glucanase, putative (2238 nt)	0	0	0
PITG_11000	Pi ATP-dependent RNA helicase, putative (4637 nt)	0	11	0

PITG_11007	| Pi conserved hypothetical protein (598 nt)	2	5	0
PITG_11008	| Pi conserved hypothetical protein (663 nt)	3	3	0
PITG_11009	| Pi conserved hypothetical protein (2119 nt)	18	69	2
PITG_11010	| Pi conserved hypothetical protein (4156 nt)	2	22	0
PITG_11011	| Pi conserved hypothetical protein (537 nt)	50	529	0
PITG_11012	| Pi conserved hypothetical protein (1337 nt)	5	52	0
PITG_11013	| Pi guanylate kinase (880 nt)	7	20	0
PITG_11016	| Pi conserved hypothetical protein (613 nt)	7	20	0
PITG_11017	| Pi conserved hypothetical protein (837 nt)	2	15	0
PITG_11018	| Pi conserved hypothetical protein (1026 nt)	3	19	0
PITG_11019	| Pi conserved hypothetical protein (1664 nt)	29	81	0
PITG_11020	| Pi conserved hypothetical protein (1377 nt)	8	26	0
PITG_11021	| Pi conserved hypothetical protein (721 nt)	1	3	0
PITG_11022	| Pi hypothetical protein (769 nt)	7	26	0
PITG_11023	| Pi conserved hypothetical protein (786 nt)	8	26	0
PITG_11024	| Pi conserved hypothetical protein (534 nt)	10	35	0
PITG_11025	| Pi hypothetical protein (1299 nt)	0	0	0
PITG_11027	| Pi conserved hypothetical protein (2652 nt)	0	0	0
PITG_11028	| Pi mevalonate kinase, putative (1306 nt)	0	13	0
PITG_11029	| Pi conserved hypothetical protein (1609 nt)	27	78	0
PITG_11035	| Pi transmembrane protein, putative (1622 nt)	1	16	0
PITG_11036	| Pi NADH dehydrogenase [ubiquinone] 1 alpha subcom	28	84	3
PITG_11038	| Pi ATP-dependent helicase, putative (8102 nt)	1	13	0
PITG_11039	| Pi conserved hypothetical protein (787 nt)	4	9	0
PITG_11040	| Pi hypothetical protein (540 nt)	57	32	3
PITG_11043	| Pi conserved hypothetical protein (570 nt)	1	4	0
PITG_11044	| Pi protein phosphatase, putative (1218 nt)	10	8	0
PITG_11046	| Pi creatine kinase B-type (2280 nt)	17	91	1
PITG_11047	| Pi T-complex protein 1 subunit eta (2074 nt)	12	67	4
PITG_11049	| Pi conserved hypothetical protein (1237 nt)	2	9	0
PITG_11050	| Pi endo-1,3(4)-beta-glucanase, putative (2340 nt)	2	23	0
PITG_11052	| Pi endo-1,3(4)-beta-glucanase, putative (2085 nt)	4	24	0
PITG_11057	| Pi conserved hypothetical protein (2809 nt)	3	10	0
PITG_11063	| Pi 26S proteasome non-ATPase regulatory subunit 7 (1	26	100	3
PITG_11064	| Pi conserved hypothetical protein (1076 nt)	5	21	0
PITG_11065	| Pi NAD-dependent malic enzyme, putative (2026 nt)	1	27	1
PITG_11068	| Pi hypothetical protein (521 nt)	0	0	0
PITG_11069	| Pi villin-like protein (3045 nt)	9	197	2
PITG_11070	| Pi conserved hypothetical protein (958 nt)	16	48	0
PITG_11071	| Pi conserved hypothetical protein (534 nt)	42	87	3
PITG_11075	| Pi conserved hypothetical protein (1791 nt)	1	7	0
PITG_11080	| Pi conserved hypothetical protein (1850 nt)	9	25	0
PITG_11081	| Pi conserved hypothetical protein (519 nt)	3	33	0
PITG_11083	| Pi conserved hypothetical protein (1864 nt)	5	13	0
PITG_11084	| Pi transmembrane protein, putative (2352 nt)	1	11	0
PITG_11085	| Pi phospholipid-transporting ATPase, putative (4464 nt	0	3	0
PITG_11086	| Pi HIT domain-containing protein, putative (592 nt)	10	33	0

PITG_11087	Pi conserved hypothetical protein (2011 nt)	2	20	0
PITG_11088	Pi conserved hypothetical protein (797 nt)	6	13	0
PITG_11090	Pi conserved hypothetical protein (1029 nt)	9	54	0
PITG_11096	Pi hypothetical protein (1086 nt)	0	0	0
PITG_11097	Pi mannose-1-phosphate guanyltransferase alpha, puta	10	31	0
PITG_11098	Pi conserved hypothetical protein (2149 nt)	4	16	0
PITG_11099	Pi 60S ribosomal protein L18-2 (1333 nt)	689	709	85
PITG_11102	Pi cGMP-dependent protein kinase, putative (2475 nt)	0	0	0
PITG_11106	Pi gamma-tubulin complex component, putative (3933	4	17	0
PITG_11107	Pi conserved hypothetical protein (939 nt)	22	54	0
PITG_11108	Pi conserved hypothetical protein (929 nt)	15	18	0
PITG_11110	Pi eukaryotic translation initiation factor 2 subunit 3 (1	44	46	2
PITG_11111	Pi leucyl-tRNA synthetase, cytoplasmic, putative (3405	4	26	0
PITG_11114	Pi conserved hypothetical protein (1834 nt)	2	19	0
PITG_11116	Pi NAD-specific glutamate dehydrogenase, putative (34	6	92	0
PITG_11117	Pi conserved hypothetical protein (1666 nt)	4	13	0
PITG_11118	Pi conserved hypothetical protein (1799 nt)	24	173	0
PITG_11119	Pi conserved hypothetical protein (3006 nt)	35	25	0
PITG_11120	Pi conserved hypothetical protein (957 nt)	72	64	0
PITG_11121	Pi ATP-binding Cassette (ABC) Superfamily (3240 nt)	1	12	0
PITG_11122	Pi Amino Acid-Polyamine-Organocation (APC) Family (1	17	17	0
PITG_11125	Pi conserved hypothetical protein (1595 nt)	25	39	0
PITG_11126	Pi conserved hypothetical protein (2584 nt)	2	17	0
PITG_11127	Pi coatomer subunit delta, putative (2147 nt)	12	81	2
PITG_11129	Pi conserved hypothetical protein (973 nt)	6	12	0
PITG_11130	Pi conserved hypothetical protein (4116 nt)	2	2	0
PITG_11131	Pi conserved hypothetical protein (1635 nt)	10	39	0
PITG_11133	Pi conserved hypothetical protein (1295 nt)	16	73	0
PITG_11134	Pi conserved hypothetical protein (804 nt)	5	28	0
PITG_11138	Pi fumarate reductase flavoprotein subunit, putative (1	2	13	0
PITG_11139	Pi P-type ATPase (P-ATPase) Superfamily (3195 nt)	6	89	0
PITG_11140	Pi sodium-dependent phosphate transporter, putative	0	1	0
PITG_11142	Pi protein farnesyltransferase/geranylgeranyltransferase	5	28	0
PITG_11143	Pi AP-1 complex subunit gamma-1 (3986 nt)	4	32	0
PITG_11146	Pi conserved hypothetical protein (2655 nt)	6	6	0
PITG_11152	Pi conserved hypothetical protein (1788 nt)	7	33	1
PITG_11153	Pi conserved hypothetical protein (1295 nt)	2	33	0
PITG_11155	Pi conserved hypothetical protein (1353 nt)	0	15	0
PITG_11157	Pi myotubularin-like protein (2970 nt)	2	14	0
PITG_11158	Pi pre-mRNA-splicing factor SYF1-like protein (3102 nt)	3	16	0
PITG_11159	Pi phospholipid-transporting ATPase, putative (3816 nt)	7	0	0
PITG_11161	Pi 2-oxoisovalerate dehydrogenase alpha subunit, mito	14	49	0
PITG_11162	Pi hypothetical protein (567 nt)	4	12	0
PITG_11169	Pi histone-binding protein RBBP7 (2601 nt)	1	10	0
PITG_11170	Pi histone-binding protein RBBP4 (1632 nt)	5	16	0
PITG_11171	Pi conserved hypothetical protein (1371 nt)	4	95	0
PITG_11176	Pi conserved hypothetical protein (669 nt)	21	13	0

PITG_11177	| Pi hypothetical protein (865 nt)	3	13	0
PITG_11178	| Pi molybdenum cofactor synthesis protein 2 large subu	3	26	0
PITG_11179	| Pi conserved hypothetical protein (2068 nt)	23	29	0
PITG_11180	| Pi conserved hypothetical protein (1669 nt)	8	18	0
PITG_11181	| Pi conserved hypothetical protein (1836 nt)	1	1	0
PITG_11182	| Pi conserved hypothetical protein (2220 nt)	20	122	0
PITG_11183	| Pi conserved hypothetical protein (2028 nt)	12	63	0
PITG_11184	| Pi conserved hypothetical protein (2305 nt)	1	11	0
PITG_11185	| Pi hypothetical protein (579 nt)	0	0	0
PITG_11186	| Pi conserved hypothetical protein (2283 nt)	2	8	0
PITG_11188	| Pi conserved hypothetical protein (1313 nt)	1	11	0
PITG_11189	| Pi phosphoenolpyruvate carboxykinase (1804 nt)	73	207	0
PITG_11193	| Pi conserved hypothetical protein (1244 nt)	5	42	0
PITG_11194	| Pi conserved hypothetical protein (3661 nt)	2	17	0
PITG_11195	| Pi conserved hypothetical protein (4033 nt)	0	11	0
PITG_11196	| Pi conserved hypothetical protein (777 nt)	0	2	0
PITG_11197	| Pi myosin-like protein (3912 nt)	1	24	0
PITG_11198	| Pi nucleolar GTP-binding protein 1 (2043 nt)	2	14	0
PITG_11202	| Pi conserved hypothetical protein (1053 nt)	4	24	0
PITG_11203	| Pi anoctamin-like protein (2730 nt)	1	5	0
PITG_11205	| Pi Rab2 family GTPase, putative (904 nt)	79	204	0
PITG_11206	| Pi conserved hypothetical protein (2315 nt)	20	43	0
PITG_11214	| Pi conserved hypothetical protein (1440 nt)	2	9	0
PITG_11215	| Pi DnaJ subfamily C protein (1936 nt)	143	117	2
PITG_11218	| Pi conserved hypothetical protein (935 nt)	1	6	0
PITG_11219	| Pi conserved hypothetical protein (2744 nt)	0	11	0
PITG_11221	| Pi conserved hypothetical protein (1878 nt)	5	6	0
PITG_11223	| Pi conserved hypothetical protein (767 nt)	11	9	0
PITG_11225	| Pi P-type ATPase (P-ATPase) Superfamily (4335 nt)	3	20	0
PITG_11226	| Pi conserved hypothetical protein (1839 nt)	20	50	0
PITG_11229	| Pi aldehyde dehydrogenase, putative (1548 nt)	1	31	0
PITG_11231	| Pi conserved hypothetical protein (1045 nt)	4	28	0
PITG_11232	| Pi conserved hypothetical protein (3141 nt)	1	22	0
PITG_11233	| Pi conserved hypothetical protein (543 nt)	17	28	0
PITG_11234	| Pi conserved hypothetical protein (2060 nt)	0	15	0
PITG_11235	| Pi conserved hypothetical protein (741 nt)	0	1	0
PITG_11236	| Pi protein kinase, putative (2277 nt)	6	9	0
PITG_11238	| Pi nuclear LIM factor interactor-interacting protein clea	1	2	0
PITG_11239	| Pi nuclear LIM factor interactor-interacting protein clea	0	0	0
PITG_11241	| Pi nuclear LIM factor interactor-interacting protein spo	2	29	0
PITG_11242	| Pi conserved hypothetical protein (1236 nt)	4	17	0
PITG_11243	| Pi hypothetical protein (1247 nt)	31	8	0
PITG_11244	| Pi heat shock 70 kDa protein (2279 nt)	80	487	51
PITG_11246	| Pi conserved hypothetical protein (1571 nt)	1	10	0
PITG_11247	| Pi heat shock 70 kDa protein (2090 nt)	388	304	43
PITG_11248	| Pi hypothetical protein (786 nt)	619	85	0
PITG_11249	| Pi heat shock 70 kDa protein (2183 nt)	427	142	9

PITG_11250	Pi conserved hypothetical protein (600 nt)	16	36	0
PITG_11252	Pi heat shock protein 70 (1965 nt)	0	0	45
PITG_11253	Pi serine/threonine protein kinase (3351 nt)	2	0	0
PITG_11254	Pi exocyst complex component, putative (3439 nt)	5	16	0
PITG_11256	Pi conserved hypothetical protein (522 nt)	6	38	0
PITG_11258	Pi conserved hypothetical protein (570 nt)	13	0	0
PITG_11259	Pi conserved hypothetical protein (755 nt)	47	40	0
PITG_11262	Pi conserved hypothetical protein (719 nt)	12	0	1
PITG_11264	Pi conserved hypothetical protein (697 nt)	5	21	0
PITG_11265	Pi conserved hypothetical protein (829 nt)	6	27	0
PITG_11267	Pi conserved hypothetical protein (714 nt)	30	2	0
PITG_11271	Pi conserved hypothetical protein (1236 nt)	4	12	0
PITG_11272	Pi histone demethylase, putative (6395 nt)	5	17	0
PITG_11273	Pi ubiquitin-specific protease, putative (4337 nt)	2	17	0
PITG_11274	Pi long-chain-fatty-acid-CoA ligase, putative (2647 nt)	22	195	0
PITG_11275	Pi conserved hypothetical protein (573 nt)	0	4	0
PITG_11276	Pi conserved hypothetical protein (507 nt)	2	30	0
PITG_11285	Pi conserved hypothetical protein (1260 nt)	5	14	0
PITG_11286	Pi hypothetical protein (2926 nt)	30	133	0
PITG_11287	Pi conserved hypothetical protein (616 nt)	5	22	0
PITG_11290	Pi solute carrier family, facilitated glucose transporter,	16	114	1
PITG_11291	Pi conserved hypothetical protein (2010 nt)	7	14	0
PITG_11292	Pi conserved hypothetical protein (802 nt)	2	19	0
PITG_11293	Pi alcohol dehydrogenase, putative (1080 nt)	10	76	3
PITG_11294	Pi alcohol dehydrogenase, putative (1221 nt)	2	11	0
PITG_11295	Pi alcohol dehydrogenase, putative (1226 nt)	14	15	0
PITG_11296	Pi DNA mismatch repair protein Msh3, putative (3033 nt)	23	15	0
PITG_11298	Pi conserved hypothetical protein (696 nt)	3	13	0
PITG_11299	Pi conserved hypothetical protein (327 nt)	14	59	0
PITG_11300	Pi conserved hypothetical protein (923 nt)	1	6	0
PITG_11302	Pi hypothetical protein (455 nt)	7	44	1
PITG_11304	Pi conserved hypothetical protein (448 nt)	36	109	1
PITG_11305	Pi hypothetical protein (755 nt)	1	19	0
PITG_11308	Pi conserved hypothetical protein (4502 nt)	0	15	0
PITG_11321	Pi conserved hypothetical protein (1853 nt)	10	45	0
PITG_11323	Pi conserved hypothetical protein (2178 nt)	73	250	0
PITG_11327	Pi Annexin (Annexin) Family (2498 nt)	7	426	16
PITG_11329	Pi Annexin (Annexin) Family (3825 nt)	18	163	4
PITG_11364	Pi conserved hypothetical protein (936 nt)	14	54	1
PITG_11366	Pi F-actin-capping protein subunit beta, putative (867 nt)	3	13	0
PITG_11368	Pi conserved hypothetical protein (1143 nt)	28	36	0
PITG_11369	Pi conserved hypothetical protein (2107 nt)	5	29	0
PITG_11373	Pi ATP-binding Cassette (ABC) superfamily (5163 nt)	1	14	0
PITG_11374	Pi hypothetical protein (309 nt)	139	157	1
PITG_11375	Pi conserved hypothetical protein (640 nt)	2	0	0
PITG_11386	Pi hypothetical protein (2357 nt)	42	170	0
PITG_11387	Pi conserved hypothetical protein (2136 nt)	14	32	0

PITG_11396 | Pi conserved hypothetical protein (3393 nt)	0	0	0
PITG_11400 | Pi cleavage induced hypothetical protein (1011 nt)	0	0	0
PITG_11403 | Pi WD domain-containing protein (1431 nt)	1	11	0
PITG_11405 | Pi conserved hypothetical protein (4792 nt)	12	36	0
PITG_11406 | Pi conserved hypothetical protein (1068 nt)	6	35	0
PITG_11410 | Pi hypothetical protein (1851 nt)	11	38	0
PITG_11411 | Pi hypothetical protein (147 nt)	0	11	0
PITG_11417 | Pi U4/U6.U5 small nuclear ribonucleoprotein 27 kDa pr	7	12	0
PITG_11424 | Pi conserved hypothetical protein (2382 nt)	8	23	0
PITG_11425 | Pi transcriptional repressor TUP1-like protein (2735 nt)	8	54	0
PITG_11426 | Pi conserved hypothetical protein (1125 nt)	2	15	0
PITG_11430 | Pi conserved hypothetical protein (1414 nt)	13	35	0
PITG_11431 | Pi ubiquitin-specific protease, putative (3500 nt)	2	24	0
PITG_11433 | Pi conserved hypothetical protein (989 nt)	1	23	0
PITG_11434 | Pi conserved hypothetical protein (1099 nt)	1	8	0
PITG_11437 | Pi axonemal dynein heavy chain (12898 nt)	6	16	0
PITG_11438 | Pi hypothetical protein (689 nt)	34	84	0
PITG_11444 | Pi conserved hypothetical protein (918 nt)	8	12	0
PITG_11445 | Pi sepiapterin reductase, putative (709 nt)	6	18	0
PITG_11450 | Pi conserved hypothetical protein (466 nt)	137	1164	8
PITG_11451 | Pi conserved hypothetical protein (2309 nt)	10	42	0
PITG_11452 | Pi conserved hypothetical protein (1201 nt)	59	103	3
PITG_11457 | Pi phosphoribosylformylglycinamide synthase (4128 nt)	0	5	0
PITG_11458 | Pi prostaglandin E synthase, putative (972 nt)	3	10	0
PITG_11459 | Pi conserved hypothetical protein (1659 nt)	3	23	0
PITG_11460 | Pi conserved hypothetical protein (1836 nt)	9	33	1
PITG_11461 | Pi HECT E3 ubiquitin ligase, putative (3357 nt)	36	16	0
PITG_11462 | Pi conserved hypothetical protein (1920 nt)	13	53	4
PITG_11463 | Pi carbohydrate-binding protein, putative (753 nt)	7	7	0
PITG_11464 | Pi pairing protein 2 family protein (1400 nt)	2	14	0
PITG_11466 | Pi tubby-like protein (1823 nt)	47	34	0
PITG_11467 | Pi conserved hypothetical protein (1011 nt)	3	15	0
PITG_11468 | Pi peptide deformylase, putative (834 nt)	3	14	0
PITG_11470 | Pi calcium-dependent protein kinase, putative (1870 nt)	24	29	0
PITG_11471 | Pi Amino Acid-Polyamine-Organocation (APC) Family (1	0	41	0
PITG_11472 | Pi Intraflagellar Transport Protein 72/74 (1977 nt)	1	7	0
PITG_11473 | Pi hypothetical protein (240 nt)	6	8	0
PITG_11474 | Pi conserved hypothetical protein (1686 nt)	25	65	1
PITG_11476 | Pi conserved hypothetical protein (1327 nt)	0	20	0
PITG_11477 | Pi conserved hypothetical protein (605 nt)	0	0	0
PITG_11483 | Pi hypothetical protein (2832 nt)	1	176	0
PITG_11484 | Pi secreted RxLR effector peptide, putative (408 nt)	10	8	101
PITG_11485 | Pi conserved hypothetical protein (937 nt)	7	14	0
PITG_11486 | Pi protein-L-isoaspartate O-methyltransferase (795 nt)	5	26	0
PITG_11489 | Pi fatty-acid-CoA ligase, putative (3596 nt)	1	24	0
PITG_11490 | Pi conserved hypothetical protein (1911 nt)	0	0	0
PITG_11491 | Pi hypothetical protein (800 nt)	6	17	0

PITG_11492	Pi conserved hypothetical protein (795 nt)	2	16	0
PITG_11494	Pi Multidrug/Oligosaccharidyl-lipid/Polysaccharide (MC	2	10	0
PITG_11495	Pi Multidrug/Oligosaccharidyl-lipid/Polysaccharide (MC	1	0	0
PITG_11496	Pi conserved hypothetical protein (2009 nt)	6	13	0
PITG_11497	Pi transcriptional regulator ATRX (3819 nt)	1	18	0
PITG_11498	Pi conserved hypothetical protein (888 nt)	0	15	0
PITG_11504	Pi cleavage induced hypothetical protein (1043 nt)	1	2	0
PITG_11506	Pi hypothetical protein (475 nt)	2	14	0
PITG_11521	Pi Zinc (Zn ²⁺)-Iron (Fe ²⁺) Permease (ZIP) Family (997 nt)	13	40	1
PITG_11522	Pi aspartyl protease family A01B, putative (1473 nt)	0	3	0
PITG_11524	Pi serine protease family S10, putative (1662 nt)	20	33	0
PITG_11525	Pi serine protease family S10, putative (1638 nt)	4	19	0
PITG_11526	Pi conserved hypothetical protein (2882 nt)	0	0	0
PITG_11527	Pi conserved hypothetical protein (864 nt)	5	12	0
PITG_11530	Pi conserved hypothetical protein (1474 nt)	7	13	0
PITG_11536	Pi conserved hypothetical protein (522 nt)	10	53	0
PITG_11538	Pi conserved hypothetical protein (1390 nt)	3	0	0
PITG_11540	Pi conserved hypothetical protein (3669 nt)	8	13	0
PITG_11548	Pi conserved hypothetical protein (1535 nt)	0	14	0
PITG_11551	Pi Major Facilitator Superfamily (MFS) (504 nt)	8	9	0
PITG_11552	Pi conserved hypothetical protein (532 nt)	23	221	0
PITG_11555	Pi conserved hypothetical protein (960 nt)	2	14	0
PITG_11556	Pi conserved hypothetical protein (966 nt)	14	14	0
PITG_11557	Pi conserved hypothetical protein (807 nt)	1	18	0
PITG_11558	Pi beta-glucan synthesis-associated protein, putative (2	0	15	0
PITG_11561	Pi nuclear prelamin A recognition factor-like protein (1	20	23	0
PITG_11562	Pi myb-like DNA-binding protein, putative (880 nt)	3	76	0
PITG_11563	Pi conserved hypothetical protein (928 nt)	8	32	0
PITG_11567	Pi conserved hypothetical protein (6184 nt)	0	22	0
PITG_11568	Pi hypothetical protein (996 nt)	0	26	1
PITG_11569	Pi metalloprotease family M17, putative (1605 nt)	6	63	2
PITG_11571	Pi Crinkler (CRN) family protein, pseudogene (4364 nt)	3	45	0
PITG_11572	Pi conserved hypothetical protein (1158 nt)	1075	195	0
PITG_11573	Pi serine protease family S33, putative (1166 nt)	1	4	0
PITG_11584	Pi conserved hypothetical protein (1228 nt)	1231	479	0
PITG_11585	Pi conserved hypothetical protein (886 nt)	6	14	0
PITG_11586	Pi conserved hypothetical protein (456 nt)	12	15	1
PITG_11587	Pi inositol-3,4-bisphosphate 4-phosphatase, putative (3	6	19	0
PITG_11588	Pi hypothetical cleavage-induced protein (1378 nt)	28	97	3
PITG_11592	Pi serine protease family S15, putative (2220 nt)	10	39	0
PITG_11594	Pi ubiquitin family protein, putative (2388 nt)	15	25	0
PITG_11597	Pi conserved hypothetical protein (654 nt)	21	39	0
PITG_11600	Pi carbohydrate-binding protein, putative (1070 nt)	12	54	0
PITG_11603	Pi peptidyl-prolyl cis-trans isomerase CYP19-4 precursc	90	274	16
PITG_11604	Pi hypothetical protein (679 nt)	10	18	0
PITG_11605	Pi aldehyde dehydrogenase, putative (1740 nt)	11	47	0
PITG_11607	Pi metalloprotease family M48X, putative (748 nt)	2	23	0

PITG_11608	Pi conserved hypothetical protein (927 nt)	5	48	0
PITG_11610	Pi conserved hypothetical protein (3524 nt)	221	1032	0
PITG_11612	Pi conserved hypothetical protein (1277 nt)	39	295	0
PITG_11615	Pi homoserine dehydrogenase, putative (1519 nt)	22	98	5
PITG_11616	Pi conserved hypothetical protein (1011 nt)	0	3	0
PITG_11617	Pi alkylated DNA repair protein alkB (928 nt)	0	21	0
PITG_11618	Pi conserved hypothetical protein (1342 nt)	2	9	0
PITG_11621	Pi conserved hypothetical protein (881 nt)	0	1	0
PITG_11625	Pi conserved hypothetical protein (3543 nt)	1	13	0
PITG_11626	Pi proteasome subunit beta type-6, putative (727 nt)	22	145	6
PITG_11627	Pi conserved hypothetical protein (1284 nt)	5	51	0
PITG_11629	Pi conserved hypothetical protein (503 nt)	0	4	0
PITG_11630	Pi eukaryotic translation initiation factor 1A, putative (	40	295	10
PITG_11638	Pi voltage-gated potassium channel subunit beta, putat	4	37	2
PITG_11643	Pi voltage-gated potassium channel subunit beta, putat	13	7	19
PITG_11647	Pi conserved hypothetical protein (1107 nt)	0	1	0
PITG_11648	Pi chitobiosyldiphosphodolichol beta-mannosyltransfer	19	61	0
PITG_11650	Pi conserved hypothetical protein (915 nt)	3	35	0
PITG_11651	Pi conserved hypothetical protein (773 nt)	4	17	0
PITG_11652	Pi conserved hypothetical protein (2815 nt)	0	4	0
PITG_11653	Pi conserved hypothetical protein (4177 nt)	2	31	1
PITG_11656	Pi long-chain-fatty-acid-CoA ligase, putative (2143 nt)	10	26	0
PITG_11662	Pi ankyrin-like protein (2233 nt)	0	49	0
PITG_11666	Pi transmembrane protein, putative (3344 nt)	4	61	0
PITG_11674	Pi conserved hypothetical protein (3607 nt)	0	15	0
PITG_11675	Pi conserved hypothetical protein (2970 nt)	3	28	0
PITG_11676	Pi conserved hypothetical protein (1299 nt)	4	85	0
PITG_11677	Pi diacylglycerol acyltransferase, putative (1479 nt)	0	10	0
PITG_11680	Pi conserved hypothetical protein (1246 nt)	0	12	0
PITG_11689	Pi putative GPI-anchored serine-rich hypothetical prote	56	254	1
PITG_11690	Pi conserved hypothetical protein (1864 nt)	126	276	2
PITG_11692	Pi conserved hypothetical protein (645 nt)	6	194	0
PITG_11699	Pi hypothetical protein (1409 nt)	1	11	0
PITG_11700	Pi conserved hypothetical protein (1427 nt)	6	14	0
PITG_11701	Pi CLPTM1-like membrane protein, putative (1971 nt)	2	15	0
PITG_11702	Pi conserved hypothetical protein (3018 nt)	7	57	0
PITG_11703	Pi lectin, putative (1278 nt)	6	36	2
PITG_11704	Pi lectin, putative (1295 nt)	7	54	1
PITG_11705	Pi conserved hypothetical protein (1608 nt)	2	10	0
PITG_11708	Pi conserved hypothetical protein (1914 nt)	17	31	0
PITG_11710	Pi conserved hypothetical protein (996 nt)	15	51	0
PITG_11712	Pi neutral alpha-glucosidase, putative (3069 nt)	9	57	2
PITG_11718	Pi hypothetical protein (1646 nt)	28	167	0
PITG_11719	Pi 4-hydroxyphenylpyruvate dioxygenase (1344 nt)	39	139	0
PITG_11722	Pi conserved hypothetical protein (392 nt)	2	88	0
PITG_11723	Pi vacuolar protein sorting-associated protein, putative	0	19	0
PITG_11724	Pi conserved hypothetical protein (774 nt)	4	41	0

PITG_11725	| Pi conserved hypothetical protein (1143 nt)	1	24	0
PITG_11728	| Pi eukaryotic translation initiation factor 2-alpha kinase	5	30	0
PITG_11729	| Pi conserved hypothetical protein (1065 nt)	9	51	2
PITG_11733	| Pi pantothenate kinase, putative (1865 nt)	8	19	0
PITG_11734	| Pi 50S ribosomal protein L3-2 (1111 nt)	18	28	1
PITG_11735	| Pi conserved hypothetical protein (4995 nt)	2	19	0
PITG_11736	| Pi conserved hypothetical protein (526 nt)	87	48	0
PITG_11741	| Pi conserved hypothetical protein (1761 nt)	0	15	0
PITG_11743	| Pi nuclear pore complex protein, putative (6165 nt)	2	32	0
PITG_11748	| Pi Major Facilitator Superfamily (MFS) (1560 nt)	5	7	0
PITG_11749	| Pi conserved hypothetical protein (1044 nt)	1	2	0
PITG_11750	| Pi serine/threonine protein phosphatase 2A 59 kDa reg	27	57	0
PITG_11752	| Pi protein phosphatase 1L-like protein (3063 nt)	3	11	0
PITG_11753	| Pi conserved hypothetical protein (951 nt)	3	66	0
PITG_11755	| Pi putative GPI-anchored serine-threonine rich hypoth	125	676	11
PITG_11756	| Pi Voltage-gated Ion Channel (VIC) Superfamily (3301 n	1	2	0
PITG_11760	| Pi HSF-type DNA-binding protein, putative (711 nt)	2	88	0
PITG_11761	| Pi conserved hypothetical protein (1008 nt)	2	27	0
PITG_11764	| Pi conserved hypothetical protein (1584 nt)	2	16	0
PITG_11765	| Pi conserved hypothetical protein (5055 nt)	3	17	0
PITG_11766	| Pi 40S ribosomal protein S3a (1393 nt)	620	780	89
PITG_11767	| Pi phosphoacetylglucosamine mutase, putative (1967 r	18	184	3
PITG_11768	| Pi conserved hypothetical protein (521 nt)	47	76	0
PITG_11773	| Pi protein phosphatase 2C, putative (2350 nt)	6	84	0
PITG_11775	| Pi hypothetical protein (1765 nt)	22	202	3
PITG_11780	| Pi conserved hypothetical protein (5416 nt)	4	24	0
PITG_11782	| Pi calcium-binding protein, putative (3317 nt)	7	33	0
PITG_11783	| Pi conserved hypothetical protein (1426 nt)	7	36	0
PITG_11789	| Pi conserved hypothetical protein (2341 nt)	33	103	1
PITG_11790	| Pi conserved hypothetical protein (306 nt)	11	15	0
PITG_11791	| Pi conserved hypothetical protein (309 nt)	20	42	0
PITG_11792	| Pi conserved hypothetical protein (1580 nt)	31	113	0
PITG_11794	| Pi conserved hypothetical protein (2011 nt)	1	1	0
PITG_11795	| Pi ATP-dependent RNA helicase SUPV3L1, putative (296	12	30	0
PITG_11799	| Pi conserved hypothetical protein (2308 nt)	6	24	0
PITG_11802	| Pi conserved hypothetical protein (1997 nt)	2	18	0
PITG_11803	| Pi conserved hypothetical protein (1940 nt)	4	4	0
PITG_11804	| Pi conserved hypothetical protein (1414 nt)	9	17	0
PITG_11805	| Pi splicing factor, arginine/serine-rich, putative (950 nt)	13	15	0
PITG_11806	| Pi vacuolar protein sorting-associated protein 26B-A (7	6	24	0
PITG_11807	| Pi serine protease, putative (1325 nt)	16	2	0
PITG_11812	| Pi DNA replication licensing factor Mcm2, putative (307	1	11	0
PITG_11813	| Pi conserved hypothetical protein (2037 nt)	6	8	0
PITG_11816	| Pi conserved hypothetical protein (1444 nt)	4	11	0
PITG_11817	| Pi hypothetical protein (1959 nt)	27	37	0
PITG_11818	| Pi conserved hypothetical protein (1541 nt)	0	0	0
PITG_11822	| Pi conserved hypothetical protein (1137 nt)	7	25	0

PITG_11823	Pi hypothetical protein (954 nt)	1	0	0
PITG_11825	Pi hypothetical protein (581 nt)	8	18	0
PITG_11827	Pi conserved hypothetical protein (3059 nt)	0	11	0
PITG_11829	Pi hypothetical protein (859 nt)	2	16	0
PITG_11832	Pi conserved hypothetical protein (1280 nt)	2	17	0
PITG_11838	Pi Major facilitator Superfamily (1301 nt)	0	0	0
PITG_11845	Pi conserved hypothetical protein (563 nt)	0	0	0
PITG_11846	Pi conserved hypothetical protein (3964 nt)	18	0	0
PITG_11848	Pi conserved hypothetical protein (1239 nt)	0	0	0
PITG_11852	Pi C2 domain-containing protein, putative (1283 nt)	67	886	9
PITG_11853	Pi C2 domain-containing protein, putative (1193 nt)	3	59	0
PITG_11854	Pi C2 domain-containing protein, putative (1331 nt)	15	140	0
PITG_11855	Pi C2 domain-containing protein, putative (1198 nt)	34	699	8
PITG_11856	Pi C2 domain-containing protein, putative (1173 nt)	15	95	0
PITG_11857	Pi C2 domain-containing protein, putative (1331 nt)	27	123	0
PITG_11858	Pi conserved hypothetical protein (1256 nt)	60	396	0
PITG_11859	Pi hypothetical protein (989 nt)	3	8	0
PITG_11862	Pi conserved hypothetical protein (1503 nt)	6	13	0
PITG_11863	Pi transmembrane protein, putative (700 nt)	0	4	0
PITG_11869	Pi SUMO-activating enzyme (SAE), putative (1584 nt)	4	22	0
PITG_11870	Pi conserved hypothetical protein (1853 nt)	163	65	0
PITG_11875	Pi peptidase, putative (1983 nt)	1	3	0
PITG_11877	Pi conserved hypothetical protein (1913 nt)	4	14	0
PITG_11878	Pi conserved hypothetical protein (723 nt)	1	1	0
PITG_11879	Pi hypothetical protein (1593 nt)	0	0	0
PITG_11881	Pi conserved hypothetical protein (902 nt)	0	3	4
PITG_11882	Pi conserved hypothetical protein (901 nt)	86	190	0
PITG_11883	Pi conserved hypothetical protein (1266 nt)	1	9	8
PITG_11885	Pi cleavage induced hypothetical protein (1739 nt)	0	4	0
PITG_11886	Pi ubiquitin family protein, putative (1263 nt)	11	51	1
PITG_11887	Pi conserved hypothetical protein (2098 nt)	13	14	0
PITG_11888	Pi conserved hypothetical protein (3291 nt)	9	18	0
PITG_11889	Pi putative GPI-anchored serine-threonine rich hypoth	0	25	0
PITG_11890	Pi putative GPI-anchored serine-threonine rich hypoth	3	33	0
PITG_11891	Pi conserved hypothetical protein (1104 nt)	12	0	31
PITG_11895	Pi conserved hypothetical protein (3251 nt)	1	22	0
PITG_11898	Pi conserved hypothetical protein (1307 nt)	0	0	12
PITG_11899	Pi hypothetical protein (331 nt)	20	0	0
PITG_11900	Pi protein kinase, putative (1337 nt)	60	23	0
PITG_11903	Pi conserved hypothetical protein (1712 nt)	2	6	0
PITG_11906	Pi Proton-dependent Oligopeptide Transporter (POT) F	13	5	0
PITG_11907	Pi diphthine synthase (933 nt)	4	23	0
PITG_11910	Pi serine protease family S08A, putative (1458 nt)	0	0	0
PITG_11912	Pi DNA replication licensing factor MCM7 (2607 nt)	1	13	0
PITG_11913	Pi heat shock cognate 70 kDa protein (2483 nt)	11	172	42
PITG_11914	Pi acetyltransferase (GNAT) family protein, putative (54	7	24	0
PITG_11921	Pi epoxide hydrolase, putative (890 nt)	1	16	0

PITG_11922	Pi epoxide hydrolase, putative (993 nt)	11	31	0
PITG_11923	Pi mitochondrial 39-S ribosomal protein L47, putative (	17	28	0
PITG_11926	Pi glu/Leu/Phe/Val dehydrogenase family, putative (30	12	57	0
PITG_11927	Pi conserved hypothetical protein (336 nt)	4	20	1
PITG_11929	Pi dihydrolipoyllysine-residue acetyltransferase compo	11	41	5
PITG_11937	Pi conserved hypothetical protein (1005 nt)	0	3	0
PITG_11938	Pi conserved hypothetical protein (747 nt)	0	1	0
PITG_11940	Pi chitin-binding protein, putative (816 nt)	4	0	0
PITG_11955	Pi conserved hypothetical protein (1249 nt)	547	0	2
PITG_11959	Pi conserved hypothetical protein (2156 nt)	6	57	1
PITG_11960	Pi Amino Acid-Polyamine-Organocation (APC) Family (1	1	12	0
PITG_11963	Pi ATP-binding Cassette (ABC) Superfamily (4113 nt)	0	3	0
PITG_11964	Pi conserved hypothetical protein (2189 nt)	0	12	0
PITG_11965	Pi conserved hypothetical protein (2073 nt)	3	24	0
PITG_11966	Pi chaperonin CPN60-1, mitochondrial precursor (1943	121	186	31
PITG_11969	Pi ATP-binding Cassette (ABC) Superfamily (4122 nt)	1	8	0
PITG_11971	Pi conserved hypothetical protein (926 nt)	1	13	0
PITG_11972	Pi pre-mRNA-splicing factor 38A, putative (625 nt)	7	10	0
PITG_11975	Pi conserved hypothetical protein (1393 nt)	214	1118	0
PITG_11976	Pi UDP-3-O-[3-hydroxymyristoyl] N-acetylglucosamine	10	4	0
PITG_11977	Pi conserved hypothetical protein (2109 nt)	81	38	0
PITG_11978	Pi conserved hypothetical protein (579 nt)	1	14	0
PITG_11979	Pi conserved hypothetical protein (585 nt)	5	23	0
PITG_11980	Pi conserved hypothetical protein (1370 nt)	4	36	0
PITG_11981	Pi conserved hypothetical protein (2355 nt)	3	30	0
PITG_11982	Pi conserved hypothetical protein (486 nt)	44	92	0
PITG_11983	Pi conserved hypothetical protein (920 nt)	1	10	0
PITG_11985	Pi hypothetical protein (309 nt)	10	614	0
PITG_11987	Pi glycoside hydrolase, putative (2422 nt)	0	1	0
PITG_11988	Pi Mitochondrial Carrier (MC) Family (857 nt)	0	0	0
PITG_11989	Pi alcohol dehydrogenase, putative (982 nt)	0	0	0
PITG_11993	Pi glycoside hydrolase, putative (1617 nt)	9	34	0
PITG_11996	Pi conserved hypothetical protein (820 nt)	128	168	0
PITG_11997	Pi conserved hypothetical protein (798 nt)	25	104	0
PITG_11998	Pi chromatin modification-related protein EAF3, putati	2	21	0
PITG_11999	Pi conserved hypothetical protein (642 nt)	20	25	0
PITG_12000	Pi conserved hypothetical protein (1834 nt)	4	25	0
PITG_12001	Pi conserved hypothetical protein (879 nt)	11	20	0
PITG_12003	Pi conserved hypothetical protein (1960 nt)	0	14	0
PITG_12004	Pi conserved hypothetical protein (1823 nt)	28	4	0
PITG_12008	Pi hypothetical protein (276 nt)	42	0	0
PITG_12015	Pi hypothetical protein (3961 nt)	8	86	0
PITG_12037	Pi ferredoxin-dependent glutamate synthase, putative	3	55	0
PITG_12039	Pi conserved hypothetical protein (572 nt)	8	5	0
PITG_12041	Pi cysteine protease family C01A, putative (1131 nt)	17	135	1
PITG_12042	Pi hypothetical protein (677 nt)	136	32	1
PITG_12048	Pi M96 mating-specific protein family (1390 nt)	6	17	0

PITG_12049	Pi conserved hypothetical protein (683 nt)	107	354	11
PITG_12050	Pi queuine tRNA-ribosyltransferase (1284 nt)	3	14	0
PITG_12051	Pi conserved hypothetical protein (315 nt)	5	26	0
PITG_12053	Pi acetylornithine aminotransferase, mitochondrial pre	20	41	0
PITG_12058	Pi ATP-binding Cassette (ABC) Superfamily (2430 nt)	0	4	0
PITG_12077	Pi conserved hypothetical protein (1505 nt)	6	11	0
PITG_12082	Pi hypothetical protein (540 nt)	72	455	0
PITG_12084	Pi Crinkler (CRN) family protein, pseudogene (2736 nt)	16	47	0
PITG_12088	Pi hypothetical protein (632 nt)	4	144	0
PITG_12098	Pi Crinkler (CRN) family protein, pseudogene (1258 nt)	290	554	1
PITG_12099	Pi serine protease family S09A, putative (2235 nt)	4	46	0
PITG_12100	Pi conserved hypothetical protein (1683 nt)	8	17	0
PITG_12103	Pi conserved hypothetical protein (1092 nt)	0	1	0
PITG_12104	Pi ATP-dependent DNA helicase 2 subunit, putative (24	5	48	0
PITG_12105	Pi N-terminal kinase-like protein (2938 nt)	5	48	0
PITG_12106	Pi CDP-alcohol phosphatidyltransferase, putative (162C	20	38	0
PITG_12107	Pi conserved hypothetical protein (1621 nt)	3	16	0
PITG_12108	Pi conserved hypothetical protein (8734 nt)	3	80	0
PITG_12110	Pi peroxisomal targeting signal 1 receptor, putative (22	20	19	0
PITG_12111	Pi conserved hypothetical protein (2470 nt)	3	18	0
PITG_12112	Pi conserved hypothetical protein (4899 nt)	1	10	0
PITG_12113	Pi conserved hypothetical protein (1158 nt)	3	7	0
PITG_12115	Pi calmodulin-like protein (2661 nt)	0	6	0
PITG_12119	Pi ATPase family AAA domain-containing protein 3A (1	3	14	1
PITG_12120	Pi NPL4-like protein (1332 nt)	8	28	0
PITG_12121	Pi uridine kinase (984 nt)	10	17	0
PITG_12122	Pi proteasome subunit alpha type-5, putative (964 nt)	96	179	8
PITG_12123	Pi sporangia induced myosin-like protein (1021 nt)	1	4	0
PITG_12124	Pi protein phosphatase 2C, putative (1356 nt)	8	37	0
PITG_12128	Pi F-box protein, putative (1121 nt)	9	19	0
PITG_12131	Pi protease inhibitor Epi4 (957 nt)	0	13	0
PITG_12139	Pi conserved hypothetical protein (1308 nt)	8	0	139
PITG_12140	Pi peroxisomal Lon protease (2784 nt)	59	46	0
PITG_12141	Pi H - or Na -translocating F-type, V-type and A-type AT	25	102	1
PITG_12142	Pi conserved hypothetical protein (615 nt)	2	18	0
PITG_12145	Pi serine protease family S33, putative (1748 nt)	10	21	0
PITG_12146	Pi hypothetical protein (588 nt)	0	11	0
PITG_12148	Pi conserved hypothetical protein (1929 nt)	5	104	0
PITG_12149	Pi conserved hypothetical protein (1073 nt)	7	14	0
PITG_12150	Pi conserved hypothetical protein (646 nt)	0	18	0
PITG_12151	Pi aspartyl-tRNA synthetase, putative (1714 nt)	24	39	1
PITG_12152	Pi ribonuclease HII (837 nt)	7	18	0
PITG_12153	Pi myosin-like protein (4548 nt)	2	33	0
PITG_12154	Pi conserved hypothetical protein (3494 nt)	14	51	1
PITG_12155	Pi flagellar peptidyl-prolyl cis-trans isomerase (884 nt)	20	45	0
PITG_12156	Pi Annexin (Annexin) Family (1037 nt)	5	39	0
PITG_12157	Pi conserved hypothetical protein (2196 nt)	3	43	0

PITG_12158	Pi Annexin (Annexin) Family (1140 nt)	22	236	25
PITG_12159	Pi Annexin (Annexin) Family (1310 nt)	7	26	0
PITG_12160	Pi protein kinase, putative (1510 nt)	19	17	0
PITG_12161	Pi delta-1-pyrroline-5-carboxylate synthetase (2324 nt)	2	31	0
PITG_12162	Pi RNA-binding protein, putative (2493 nt)	18	6	0
PITG_12163	Pi conserved hypothetical protein (1014 nt)	2	13	0
PITG_12164	Pi conserved hypothetical protein (708 nt)	24	139	0
PITG_12166	Pi twinkle protein, putative (2264 nt)	0	11	0
PITG_12169	Pi polycomb-like protein (4401 nt)	0	11	0
PITG_12172	Pi hypothetical protein (402 nt)	26	86	0
PITG_12173	Pi conserved hypothetical protein (1693 nt)	19	48	0
PITG_12174	Pi conserved hypothetical protein (2057 nt)	2	15	0
PITG_12175	Pi conserved hypothetical protein (920 nt)	2	23	0
PITG_12176	Pi conserved hypothetical protein (2728 nt)	0	9	0
PITG_12177	Pi hypothetical protein (501 nt)	1	27	0
PITG_12178	Pi conserved hypothetical protein (852 nt)	5	19	0
PITG_12179	Pi conserved hypothetical protein (519 nt)	33	111	0
PITG_12182	Pi conserved hypothetical protein (1267 nt)	22	161	0
PITG_12183	Pi double stranded RNA binding, putative (1215 nt)	9	21	0
PITG_12185	Pi 26S protease regulatory subunit 4 (1560 nt)	18	129	9
PITG_12186	Pi sporangia induced mitogen-activated protein kinase,	0	0	0
PITG_12187	Pi diphthamide biosynthesis protein 1 (2303 nt)	2	11	0
PITG_12191	Pi conserved hypothetical protein (1947 nt)	18	73	0
PITG_12192	Pi conserved hypothetical protein (2599 nt)	10	23	0
PITG_12193	Pi 50S ribosomal protein L1 (1144 nt)	13	37	2
PITG_12194	Pi biotin-protein ligase, putative (1076 nt)	5	22	0
PITG_12195	Pi katanin p60 ATPase-containing subunit, putative (21	1	3	0
PITG_12196	Pi conserved hypothetical protein (699 nt)	8	21	0
PITG_12211	Pi methionine aminopeptidase, putative (1152 nt)	4	28	0
PITG_12212	Pi conserved hypothetical protein (753 nt)	10	6	0
PITG_12213	Pi exonuclease 1, putative (1771 nt)	4	20	0
PITG_12214	Pi conserved hypothetical protein (1677 nt)	1	10	0
PITG_12215	Pi Zinc (Zn ²⁺)-Iron (Fe ²⁺) Permease (ZIP) Family (1005 n	1	2	0
PITG_12219	Pi Zinc (Zn ²⁺)-Iron (Fe ²⁺) Permease (ZIP) Family (1002 n	6	9	0
PITG_12220	Pi methionine aminopeptidase, putative (1137 nt)	2	15	0
PITG_12221	Pi conserved hypothetical protein (3529 nt)	1	1	0
PITG_12222	Pi sporangia induced conserved hypothetical protein (1	0	0	0
PITG_12223	Pi SWI/SNF-related matrix-associated actin-dependent	6	27	0
PITG_12224	Pi conserved hypothetical protein (928 nt)	9	25	0
PITG_12226	Pi Phosphatidylinositol kinase (PIK-L2) (7980 nt)	0	23	0
PITG_12227	Pi conserved hypothetical protein (1112 nt)	0	16	0
PITG_12228	Pi NADH-cytochrome b5 reductase, putative (900 nt)	35	47	1
PITG_12229	Pi DNA repair endonuclease XPF, putative (2919 nt)	2	10	0
PITG_12230	Pi phosphatidic acid phosphatase (999 nt)	7	13	0
PITG_12231	Pi phosphatidic acid phosphatase (1334 nt)	41	177	0
PITG_12232	Pi phosphatidic acid phosphatase, putative (726 nt)	2	19	0
PITG_12233	Pi phosphatidic acid phosphatase (1195 nt)	3	17	0

PITG_12234	Pi phosphatidic acid phosphatase (1429 nt)	7	26	0
PITG_12235	Pi makorin-like protein (1010 nt)	23	37	0
PITG_12237	Pi hypothetical protein (2161 nt)	0	13	0
PITG_12238	Pi hypothetical protein (1348 nt)	10	47	0
PITG_12239	Pi conserved hypothetical protein (1768 nt)	4	11	0
PITG_12252	Pi conserved hypothetical protein (4475 nt)	9	27	0
PITG_12254	Pi conserved hypothetical protein (1917 nt)	28	76	0
PITG_12256	Pi anoctamin-like protein (2882 nt)	5	86	0
PITG_12257	Pi conserved hypothetical protein (588 nt)	5	16	0
PITG_12258	Pi conserved hypothetical protein (796 nt)	4	47	0
PITG_12259	Pi lysosomal Pro-X carboxypeptidase, putative (1629 nt)	5	30	0
PITG_12260	Pi protein transporter Sec24 (3758 nt)	5	35	0
PITG_12264	Pi protoheme IX farnesyltransferase, putative (1439 nt)	57	14	0
PITG_12265	Pi nuclear prelamin A recognition factor-like protein (1	3	9	0
PITG_12266	Pi inositol-3,4-bisphosphate 4-phosphatase, putative (4	9	65	0
PITG_12267	Pi conserved hypothetical protein (2446 nt)	0	1	0
PITG_12273	Pi conserved hypothetical protein (1558 nt)	5	24	0
PITG_12274	Pi conserved hypothetical protein (567 nt)	4	13	0
PITG_12275	Pi conserved hypothetical protein (548 nt)	8	11	0
PITG_12277	Pi conserved hypothetical protein (5146 nt)	4	20	0
PITG_12278	Pi sterol O-acyltransferase, putative (1380 nt)	0	0	0
PITG_12279	Pi phosphoglycerate mutase family protein (823 nt)	23	13	0
PITG_12283	Pi conserved hypothetical protein (1842 nt)	1	11	0
PITG_12284	Pi hypothetical protein (1024 nt)	0	14	0
PITG_12285	Pi polypyrimidine tract-binding protein, putative (2360	0	10	0
PITG_12286	Pi ADP-ribosylation factor family (932 nt)	25	150	69
PITG_12288	Pi ADP-ribosylation factor family (968 nt)	112	345	23
PITG_12289	Pi H - or Na -translocating F-type, V-type and A-type AT	18	54	0
PITG_12290	Pi conserved hypothetical protein (1221 nt)	5	7	0
PITG_12291	Pi pre-mRNA-processing factor 39, putative (2886 nt)	3	33	0
PITG_12292	Pi rRNA-processing protein, putative (710 nt)	46	31	0
PITG_12295	Pi copine, putative (2872 nt)	3	30	0
PITG_12296	Pi conserved hypothetical protein (1833 nt)	47	38	0
PITG_12297	Pi conserved hypothetical protein (2181 nt)	6	17	0
PITG_12299	Pi hypothetical protein (473 nt)	595	444	114
PITG_12300	Pi phosphoribosylglycinamide synthetase, putative (34	2	21	2
PITG_12301	Pi conserved hypothetical protein (795 nt)	0	1	0
PITG_12302	Pi conserved hypothetical protein (1683 nt)	19	35	0
PITG_12304	Pi TATA-box-binding protein, putative (560 nt)	1	12	0
PITG_12305	Pi rRNA-processing protein FCF1 (928 nt)	2	12	0
PITG_12306	Pi conserved hypothetical protein (986 nt)	0	11	0
PITG_12307	Pi conserved hypothetical protein (922 nt)	5	25	0
PITG_12308	Pi conserved hypothetical protein (1038 nt)	16	26	0
PITG_12309	Pi conserved hypothetical protein (234 nt)	36	161	3
PITG_12310	Pi conserved hypothetical protein (966 nt)	22	52	1
PITG_12313	Pi hypothetical protein (691 nt)	0	0	0
PITG_12315	Pi conserved hypothetical protein (1244 nt)	3	13	0

PITG_12316	| Pi conserved hypothetical protein (839 nt)	1	11	0
PITG_12317	| Pi conserved hypothetical protein (793 nt)	0	5	0
PITG_12318	| Pi ATP-binding Cassette (ABC) Superfamily (2112 nt)	19	29	0
PITG_12319	| Pi conserved hypothetical protein (1132 nt)	8	4	0
PITG_12325	| Pi hypothetical protein (645 nt)	8	4	0
PITG_12326	| Pi phosphatidyl inositol kinase (PIK-A) (2963 nt)	5	29	0
PITG_12327	| Pi conserved hypothetical protein (1781 nt)	20	79	0
PITG_12330	| Pi cleavage and polyadenylation specificity factor subu	0	29	0
PITG_12331	| Pi cleavage and polyadenylation specificity factor subu	1	17	0
PITG_12336	| Pi Crinkler (CRN) family protein, pseudogene (491 nt)	216	103	0
PITG_12338	| Pi sugar fermentation stimulation protein (1111 nt)	2	21	0
PITG_12340	| Pi sulfite oxidase, putative (779 nt)	4	11	0
PITG_12342	| Pi sulfite oxidase, putative (1779 nt)	2	17	0
PITG_12343	| Pi conserved hypothetical protein (811 nt)	14	13	0
PITG_12346	| Pi DNA replication licensing factor MCM3 (2717 nt)	1	13	0
PITG_12347	| Pi conserved hypothetical protein (1221 nt)	1	11	1
PITG_12348	| Pi conserved hypothetical protein (1089 nt)	6	34	0
PITG_12349	| Pi conserved hypothetical protein (1049 nt)	1	23	0
PITG_12350	| Pi conserved hypothetical protein (1215 nt)	8	109	0
PITG_12353	| Pi conserved hypothetical protein (798 nt)	9	11	0
PITG_12355	| Pi conserved hypothetical protein (1214 nt)	1	24	0
PITG_12356	| Pi conserved hypothetical protein (843 nt)	27	27	0
PITG_12357	| Pi gastricsin, putative (1410 nt)	1	31	0
PITG_12377	| Pi conserved hypothetical protein (465 nt)	2	14	0
PITG_12394	| Pi conserved hypothetical protein (882 nt)	4	15	0
PITG_12403	| Pi conserved hypothetical protein (1453 nt)	2	4	1
PITG_12426	| Pi conserved hypothetical protein (1858 nt)	0	15	0
PITG_12427	| Pi conserved hypothetical protein (402 nt)	116	242	11
PITG_12428	| Pi conserved hypothetical protein (3124 nt)	3	23	0
PITG_12429	| Pi conserved hypothetical protein (1003 nt)	0	19	0
PITG_12439	| Pi conserved hypothetical protein (1266 nt)	25	23	0
PITG_12440	| Pi conserved hypothetical protein (1557 nt)	0	17	0
PITG_12441	| Pi conserved hypothetical protein (1074 nt)	2	15	0
PITG_12446	| Pi conserved hypothetical protein (1687 nt)	8	19	0
PITG_12450	| Pi hypothetical protein (887 nt)	1	1	0
PITG_12452	| Pi conserved hypothetical protein (567 nt)	0	2	0
PITG_12453	| Pi conserved hypothetical protein (1539 nt)	20	50	0
PITG_12454	| Pi GTP-binding protein, putative (2157 nt)	11	25	0
PITG_12459	| Pi protein kinase (931 nt)	2	24	0
PITG_12462	| Pi aconitate hydratase, putative (2179 nt)	11	43	2
PITG_12463	| Pi cleavage induced conserved hypothetical protein (13	8	21	0
PITG_12465	| Pi adenylate kinase, putative (806 nt)	11	21	0
PITG_12466	| Pi Proton-dependent Oligopeptide Transporter (POT) F	1	50	0
PITG_12469	| Pi conserved hypothetical protein (2089 nt)	2	9	0
PITG_12470	| Pi glycerol-3-phosphate acyltransferase, putative (2523	2	15	0
PITG_12472	| Pi palmitoyltransferase, putative (2460 nt)	0	23	0
PITG_12478	| Pi conserved hypothetical protein (1470 nt)	6	16	0

PITG_12480	Pi conserved hypothetical protein (1597 nt)	49	117	0
PITG_12482	Pi serine protease family S28, putative (1581 nt)	2	21	0
PITG_12483	Pi eukaryotic translation initiation factor 3, putative (14	8	37	3
PITG_12484	Pi conserved hypothetical protein (1401 nt)	0	8	0
PITG_12486	Pi conserved hypothetical protein (1010 nt)	600	1199	1
PITG_12487	Pi conserved hypothetical protein (606 nt)	1219	1768	2
PITG_12488	Pi conserved hypothetical protein (974 nt)	25	74	0
PITG_12489	Pi protein arginine N-methyltransferase, putative (2166	3	12	0
PITG_12490	Pi conserved hypothetical protein (1365 nt)	4	7	0
PITG_12494	Pi transmembrane protein, putative (1423 nt)	8	23	0
PITG_12496	Pi conserved hypothetical protein (1593 nt)	24	50	0
PITG_12497	Pi conserved hypothetical protein (1557 nt)	9	7	0
PITG_12498	Pi conserved hypothetical protein (1583 nt)	0	20	0
PITG_12499	Pi conserved hypothetical protein (1804 nt)	2	23	0
PITG_12500	Pi conserved hypothetical protein (925 nt)	22	28	0
PITG_12502	Pi conserved hypothetical protein (900 nt)	0	0	0
PITG_12503	Pi conserved hypothetical protein (1477 nt)	2	13	0
PITG_12504	Pi Mitochondrial Carrier (MC) Family (987 nt)	20	59	0
PITG_12511	Pi conserved hypothetical protein (1963 nt)	2	5	0
PITG_12513	Pi conserved hypothetical protein (1590 nt)	56	5	0
PITG_12514	Pi bifunctional aspartokinase/homoserine dehydrogenase	15	10	0
PITG_12515	Pi conserved hypothetical protein (884 nt)	2	17	0
PITG_12516	Pi poly [ADP-ribose] polymerase 2, putative (2573 nt)	10	25	0
PITG_12517	Pi CAAX prenyl protease 1 (1458 nt)	28	29	0
PITG_12518	Pi conserved hypothetical protein (2695 nt)	2	15	0
PITG_12519	Pi conserved hypothetical protein (890 nt)	0	11	0
PITG_12520	Pi conserved hypothetical protein (948 nt)	46	67	2
PITG_12521	Pi vacuolar protein sorting-associated protein 35, putative	7	24	0
PITG_12522	Pi conserved hypothetical protein (566 nt)	0	0	0
PITG_12523	Pi conserved hypothetical protein (1376 nt)	4	17	0
PITG_12524	Pi elongation factor 3, putative (3478 nt)	1	2	0
PITG_12525	Pi conserved hypothetical protein (600 nt)	2	24	0
PITG_12526	Pi conserved hypothetical protein (1578 nt)	16	128	0
PITG_12527	Pi conserved hypothetical protein (1653 nt)	6	30	0
PITG_12528	Pi conserved hypothetical protein (758 nt)	160	411	32
PITG_12529	Pi conserved hypothetical protein (432 nt)	5	18	0
PITG_12530	Pi conserved hypothetical protein (2579 nt)	6	19	0
PITG_12531	Pi conserved hypothetical protein (231 nt)	22	184	0
PITG_12532	Pi conserved hypothetical protein (588 nt)	0	14	0
PITG_12533	Pi hypothetical protein (204 nt)	34	300	0
PITG_12534	Pi 4-coumarate-CoA ligase, putative (2139 nt)	81	121	0
PITG_12535	Pi eukaryotic peptide chain release factor subunit 1 (13	1	7	0
PITG_12537	Pi autophagy-related protein 7 (2290 nt)	3	44	0
PITG_12540	Pi gephyrin-like protein (2015 nt)	2	31	0
PITG_12541	Pi conserved hypothetical protein (659 nt)	9	47	0
PITG_12545	Pi croquemort-like mating protein M82, putative (2332	10	355	0
PITG_12548	Pi type I inositol-3,4-bisphosphate 4-phosphatase, puta	2	20	0

PITG_12549 | Pi conserved hypothetical protein (966 nt)	1	10	0
PITG_12550 | Pi conserved hypothetical protein (496 nt)	21	170	1
PITG_12552 | Pi conserved hypothetical protein (2793 nt)	0	2	0
PITG_12555 | Pi elicitin-like protein, putative (360 nt)	0	26	0
PITG_12556 | Pi elicitin-like INF6 (745 nt)	16	21	0
PITG_12561 | Pi elicitin INF2A-like protein (567 nt)	63	559	30
PITG_12562 | Pi elicitin-like protein (809 nt)	225	1286	136
PITG_12563 | Pi Mitochondrial Carrier (MC) Family (1174 nt)	8	32	0
PITG_12565 | Pi conserved hypothetical protein (681 nt)	22	74	0
PITG_12567 | Pi sporangia induced conserved hypothetical protein (1	1	4	0
PITG_12568 | Pi sporangia induced parkin coregulated protein (1424	0	0	0
PITG_12571 | Pi conserved hypothetical protein (1395 nt)	2	1	0
PITG_12572 | Pi conserved hypothetical protein (2855 nt)	0	0	0
PITG_12573 | Pi conserved hypothetical protein (746 nt)	4	8	0
PITG_12574 | Pi Rab2 family GTPase, putative (695 nt)	33	41	0
PITG_12575 | Pi autophagocytosis associated protein, putative (2043	67	126	0
PITG_12576 | Pi conserved hypothetical protein (1154 nt)	7	22	0
PITG_12577 | Pi sporangia induced dynein heavy chain (13723 nt)	1	10	0
PITG_12578 | Pi acyl-CoA desaturase 1 (1264 nt)	50	109	1
PITG_12579 | Pi kinesin-like protein (2611 nt)	0	5	0
PITG_12580 | Pi conserved hypothetical protein (401 nt)	52	78	0
PITG_12584 | Pi DNA binding protein, putative (1363 nt)	7	36	0
PITG_12587 | Pi conserved hypothetical protein (618 nt)	5	12	0
PITG_12588 | Pi phosphatidylinositol N-acetylglucosaminyltransferas	0	18	0
PITG_12592 | Pi conserved hypothetical protein (1758 nt)	0	29	0
PITG_12593 | Pi conserved hypothetical protein (766 nt)	38	56	0
PITG_12594 | Pi TRAF3-interacting protein, putative (2339 nt)	3	8	0
PITG_12599 | Pi elicitin-like protein (1765 nt)	25	144	4
PITG_12600 | Pi flagellar radial spoke protein, putative (1137 nt)	3	10	0
PITG_12604 | Pi hypothetical protein (2702 nt)	17	74	0
PITG_12609 | Pi Crinkler (CRN) family protein (1561 nt)	8	26	0
PITG_12619 | Pi Crinkler (CRN) family protein (1740 nt)	358	351	0
PITG_12620 | Pi conserved hypothetical protein (1680 nt)	0	21	0
PITG_12624 | Pi Crinkler (CRN) family protein, pseudogene (1751 nt)	2	16	0
PITG_12625 | Pi conserved hypothetical protein (2471 nt)	12	8	0
PITG_12627 | Pi crinkler (CRN) family protein, Gypsy-disrupted, pseuc	3	15	0
PITG_12646 | Pi Crinkler (CRN) family protein (2186 nt)	80	148	0
PITG_12648 | Pi conserved hypothetical protein (1371 nt)	36	63	0
PITG_12650 | Pi Crinkler (CRN) family protein, pseudogene (2507 nt)	218	850	1
PITG_12660 | Pi conserved hypothetical protein (1298 nt)	0	1	0
PITG_12661 | Pi conserved hypothetical protein (1996 nt)	9	29	0
PITG_12662 | Pi conserved hypothetical protein (681 nt)	22	19	0
PITG_12663 | Pi conserved hypothetical protein (3610 nt)	7	27	0
PITG_12667 | Pi conserved hypothetical protein (1401 nt)	3	19	0
PITG_12668 | Pi conserved hypothetical protein (614 nt)	4	7	0
PITG_12670 | Pi conserved hypothetical protein (2070 nt)	64	271	3
PITG_12673 | Pi conserved hypothetical protein (1305 nt)	3	10	0

PITG_12674	Pi sedoheptulokinase-like protein (2089 nt)	2	13	0
PITG_12675	Pi sedoheptulokinase, putative (5416 nt)	9	13	0
PITG_12676	Pi cyclin-like protein (1923 nt)	72	91	0
PITG_12677	Pi conserved hypothetical protein (2021 nt)	7	21	0
PITG_12678	Pi ribosome production factor 1, putative (2107 nt)	7	14	0
PITG_12682	Pi cytochrome c (606 nt)	95	103	11
PITG_12683	Pi conserved hypothetical protein (994 nt)	3	10	0
PITG_12684	Pi CSH (456 nt)	35	48	1
PITG_12686	Pi conserved hypothetical protein (930 nt)	137	368	0
PITG_12687	Pi conserved hypothetical protein (1954 nt)	7	33	0
PITG_12691	Pi conserved hypothetical protein (2388 nt)	9	34	0
PITG_12692	Pi conserved hypothetical protein (1687 nt)	4	6	0
PITG_12693	Pi conserved hypothetical protein (715 nt)	432	97	0
PITG_12694	Pi protein transport protein SEC13 (1324 nt)	54	52	1
PITG_12695	Pi conserved hypothetical protein (1068 nt)	138	161	0
PITG_12696	Pi conserved hypothetical protein (881 nt)	41	66	0
PITG_12697	Pi 30S ribosomal protein S9 (987 nt)	15	25	1
PITG_12699	Pi serine/threonine protein kinase (3258 nt)	3	23	0
PITG_12714	Pi hypothetical protein (300 nt)	0	16	0
PITG_12727	Pi cysteine synthase (1160 nt)	43	146	3
PITG_12728	Pi conserved hypothetical protein (342 nt)	6	43	0
PITG_12739	Pi hypothetical protein (1072 nt)	9	37	0
PITG_12742	Pi conserved hypothetical protein (1926 nt)	2	16	0
PITG_12744	Pi caltractin-like protein (891 nt)	27	28	0
PITG_12745	Pi 40S ribosomal protein S17, putative (840 nt)	197	129	75
PITG_12746	Pi conserved hypothetical protein (760 nt)	29	30	1
PITG_12747	Pi conserved hypothetical protein (1334 nt)	117	57	0
PITG_12749	Pi conserved hypothetical protein (1335 nt)	30	176	2
PITG_12753	Pi importin subunit alpha, putative (1916 nt)	16	22	0
PITG_12754	Pi dynein light chain 2B (588 nt)	45	84	0
PITG_12757	Pi alpha-ketoglutarate-dependent sulfonate dioxygenase	2	28	0
PITG_12760	Pi DNA binding protein, putative (1159 nt)	28	58	0
PITG_12761	Pi secreted RxLR effector peptide, putative (849 nt)	18	9	0
PITG_12763	Pi IQ and ubiquitin-like domain-containing protein, putative	1	0	0
PITG_12788	Pi 12-oxophytodienoate reductase, putative (1119 nt)	11	32	1
PITG_12793	Pi short chain dehydrogenase, putative (510 nt)	3	13	0
PITG_12794	Pi conserved hypothetical protein (4368 nt)	0	12	0
PITG_12796	Pi short chain dehydrogenase, putative (958 nt)	227	22	0
PITG_12797	Pi regulator of nonsense transcripts 2, putative (3744 nt)	6	22	0
PITG_12798	Pi short chain dehydrogenase, putative (766 nt)	142	17	0
PITG_12806	Pi phospholipase D, Pi-sPLD-like-12 (1818 nt)	4	23	0
PITG_12808	Pi Amino Acid/Auxin Permease (AAAP) Family (1485 nt)	5	53	15
PITG_12809	Pi phospholipase D, Pi-sPLD-like-11 (1798 nt)	2	21	0
PITG_12811	Pi conserved hypothetical protein (658 nt)	33	69	0
PITG_12812	Pi sporangia induced conserved hypothetical protein (1000 nt)	0	5	0
PITG_12813	Pi phytanoyl-CoA dioxygenase domain-containing protein	2	27	0
PITG_12818	Pi glutamate carboxypeptidase, putative (2339 nt)	7	48	1

PITG_12819	Pi carbohydrate esterase, putative (1076 nt)	29	14	0
PITG_12820	Pi Mitochondrial Protein Translocase (MPT) Family (44:	15	20	0
PITG_12821	Pi conserved hypothetical protein (2837 nt)	8	20	0
PITG_12824	Pi glutamate carboxypeptidase, putative (2310 nt)	38	1	0
PITG_12826	Pi conserved hypothetical protein (678 nt)	2	8	0
PITG_12827	Pi sporulation induced hypothetical protein (582 nt)	4	3	0
PITG_12833	Pi conserved hypothetical protein (477 nt)	28	94	13
PITG_12834	Pi conserved hypothetical protein (572 nt)	11	15	0
PITG_12835	Pi conserved hypothetical protein (530 nt)	7	23	0
PITG_12836	Pi UDP-N-acetylglucosamine transferase subunit ALG14	2	13	0
PITG_12837	Pi N-carbamoylputrescine amidase (1332 nt)	10	11	0
PITG_12838	Pi conserved hypothetical protein (1399 nt)	3	5	0
PITG_12839	Pi conserved hypothetical protein (1318 nt)	37	53	0
PITG_12840	Pi conserved hypothetical protein (1923 nt)	4	34	0
PITG_12841	Pi conserved hypothetical protein (2114 nt)	1	0	0
PITG_12842	Pi conserved hypothetical protein (681 nt)	1	6	0
PITG_12843	Pi rab proteins geranylgeranyltransferase component A	24	49	0
PITG_12844	Pi conserved hypothetical protein (762 nt)	0	0	0
PITG_12845	Pi conserved hypothetical protein (680 nt)	0	5	0
PITG_12852	Pi conserved hypothetical protein (1682 nt)	33	28	0
PITG_12853	Pi conserved hypothetical protein (1224 nt)	2	19	0
PITG_12854	Pi Mitochondrial Carrier (MC) Family (1014 nt)	105	256	0
PITG_12855	Pi conserved hypothetical protein (1188 nt)	10	17	0
PITG_12863	Pi cyclin-dependent kinase regulatory subunit (1007 nt)	48	54	1
PITG_12864	Pi asparaginyl-tRNA synthetase (1531 nt)	19	62	4
PITG_12870	Pi conserved hypothetical protein (1856 nt)	2	1	0
PITG_12871	Pi conserved hypothetical protein (2577 nt)	2	7	0
PITG_12872	Pi MtN3-like protein (974 nt)	28	0	1
PITG_12873	Pi conserved hypothetical protein (2030 nt)	2	6	0
PITG_12876	Pi RNA-binding protein, putative (924 nt)	6	14	0
PITG_12877	Pi DNA-directed RNA polymerase I, II, and III subunit RF	21	55	1
PITG_12878	Pi hypothetical protein similar to sexually induced prot	2	1	0
PITG_12880	Pi conserved hypothetical protein (1857 nt)	2	9	0
PITG_12881	Pi dolichyl-diphosphooligosaccharide-protein glycosyltr	129	154	5
PITG_12882	Pi electron transfer flavoprotein subunit alpha, mitoch	344	197	4
PITG_12883	Pi conserved hypothetical protein (576 nt)	8	14	0
PITG_12884	Pi conserved hypothetical protein (570 nt)	5	10	0
PITG_12886	Pi conserved hypothetical protein (819 nt)	347	1519	0
PITG_12887	Pi conserved hypothetical protein (1840 nt)	4	10	0
PITG_12889	Pi conserved hypothetical protein (846 nt)	6	12	0
PITG_12890	Pi conserved hypothetical protein (1289 nt)	0	1	0
PITG_12891	Pi conserved hypothetical protein (1209 nt)	1	7	0
PITG_12892	Pi thioredoxin-like protein, putative (755 nt)	45	34	0
PITG_12901	Pi conserved hypothetical protein (926 nt)	1	10	0
PITG_12902	Pi conserved hypothetical protein (1108 nt)	3	9	0
PITG_12903	Pi protein kinase (2275 nt)	0	6	0
PITG_12904	Pi conserved hypothetical protein (618 nt)	33	143	6

PITG_12905	Pi transmembrane protein, putative (780 nt)	68	126	4
PITG_12911	Pi conserved hypothetical protein (511 nt)	0	0	0
PITG_12912	Pi phosphatidylinositol transfer protein beta isoform (1	20	65	0
PITG_12913	Pi conserved hypothetical protein (2337 nt)	7	30	0
PITG_12914	Pi inositol polyphosphate 5-phosphatase, putative (269	6	30	0
PITG_12915	Pi sorting nexin, putative (1759 nt)	16	72	0
PITG_12916	Pi cysteine protease family C01A, putative (1440 nt)	8	122	0
PITG_12919	Pi conserved hypothetical protein (3422 nt)	0	20	0
PITG_12920	Pi hypothetical protein (1569 nt)	112	169	0
PITG_12930	Pi porphobilinogen deaminase (1313 nt)	0	18	0
PITG_12931	Pi conserved hypothetical protein (3057 nt)	2	7	0
PITG_12933	Pi conserved hypothetical protein (366 nt)	5	30	0
PITG_12935	Pi conserved hypothetical protein (399 nt)	106	49	0
PITG_12938	Pi conserved hypothetical protein (489 nt)	9	56	0
PITG_12939	Pi conserved hypothetical protein (3961 nt)	1	70	0
PITG_12942	Pi conserved hypothetical protein (1295 nt)	0	0	0
PITG_12946	Pi hydroxyacylglutathione hydrolase (839 nt)	17	23	0
PITG_12947	Pi 40S ribosomal protein S23, putative (952 nt)	403	704	81
PITG_12948	Pi conserved hypothetical protein (1899 nt)	40	71	0
PITG_12949	Pi conserved hypothetical protein (911 nt)	2	18	0
PITG_12950	Pi cAMP-specific 3',5'-cyclic phosphodiesterase, putativ	0	0	0
PITG_12956	Pi conserved hypothetical protein (2474 nt)	3	25	0
PITG_12958	Pi conserved hypothetical protein (858 nt)	7	12	0
PITG_12959	Pi conserved hypothetical protein (1061 nt)	0	2	0
PITG_12960	Pi conserved hypothetical protein (1742 nt)	1	10	0
PITG_12961	Pi alanyl-tRNA synthetase, mitochondrial precursor (30	11	88	2
PITG_12962	Pi histone deacetylase, putative (1113 nt)	1	7	0
PITG_12963	Pi conserved hypothetical protein (2475 nt)	0	17	0
PITG_12969	Pi conserved hypothetical protein (1500 nt)	0	13	0
PITG_12973	Pi conserved hypothetical protein (2173 nt)	16	64	0
PITG_12980	Pi conserved hypothetical protein (2345 nt)	5	41	0
PITG_12981	Pi conserved hypothetical protein (2214 nt)	2	30	0
PITG_12982	Pi conserved hypothetical protein (1242 nt)	0	0	0
PITG_12983	Pi synaptic vesicle glycoprotein, putative (1994 nt)	1	25	0
PITG_12984	Pi conserved hypothetical protein (1215 nt)	22	44	0
PITG_12987	Pi kinesin-like protein (2238 nt)	7	1	0
PITG_12988	Pi conserved hypothetical protein (2649 nt)	3	30	0
PITG_12989	Pi glutathione S-transferase theta, putative (785 nt)	51	41	0
PITG_12990	Pi glutathione transferase, theta class (787 nt)	94	605	19
PITG_12993	Pi serine/threonine protein kinase (1089 nt)	1	17	0
PITG_12994	Pi conserved hypothetical protein (4956 nt)	4	4	0
PITG_12996	Pi conserved hypothetical protein (1007 nt)	12	58	0
PITG_12997	Pi Major Facilitator Superfamily (MFS) (1509 nt)	0	22	0
PITG_13001	Pi glucose transporter, putative (1485 nt)	0	0	27
PITG_13002	Pi Major Facilitator Superfamily (MFS) (1476 nt)	6	3	35
PITG_13003	Pi glucose transporter, putative (1559 nt)	15	0	26
PITG_13005	Pi solute carrier family 2, facilitated glucose transporte	28	9	0

PITG_13007	Pi conserved hypothetical protein (1381 nt)	4	42	0
PITG_13014	Pi proliferation-associated protein, metalloprotease fai	5	95	22
PITG_13015	Pi conserved hypothetical protein (1792 nt)	8	32	0
PITG_13016	Pi pescadillo-like protein (1896 nt)	5	18	0
PITG_13017	Pi ATP-dependent RNA helicase, putative (3981 nt)	2	10	0
PITG_13019	Pi conserved hypothetical protein (1151 nt)	0	14	0
PITG_13020	Pi inorganic phosphate transporter, putative (1428 nt)	7	36	5
PITG_13022	Pi inorganic phosphate transporter, putative (1419 nt)	0	12	0
PITG_13024	Pi conserved hypothetical protein (1443 nt)	2	13	0
PITG_13029	Pi conserved hypothetical protein (10246 nt)	1	23	0
PITG_13030	Pi P-type ATPase (P-ATPase) Superfamily (3897 nt)	0	5	0
PITG_13031	Pi vaiable flagellar number 3 (2096 nt)	4	11	0
PITG_13038	Pi conserved hypothetical protein (1433 nt)	8	4	0
PITG_13039	Pi conserved hypothetical protein (1839 nt)	2	23	0
PITG_13040	Pi conserved hypothetical protein (2508 nt)	1	11	0
PITG_13041	Pi RNA polymerase-associated protein RTF1 (3271 nt)	16	65	0
PITG_13042	Pi conserved hypothetical protein (5964 nt)	1	30	0
PITG_13043	Pi conserved hypothetical protein (2146 nt)	1	9	0
PITG_13044	Pi secreted RxLR effector peptide, putative (756 nt)	12	18	1
PITG_13048	Pi secreted RxLR effector peptide, putative (756 nt)	10	28	1
PITG_13050	Pi hypothetical protein (455 nt)	0	21	0
PITG_13052	Pi glycoside hydrolase, putative (1197 nt)	29	178	0
PITG_13055	Pi conserved hypothetical protein (1328 nt)	1	20	0
PITG_13056	Pi Mitochondrial Carrier (MC) Family (1210 nt)	1	13	0
PITG_13060	Pi conserved hypothetical protein (964 nt)	118	91	0
PITG_13064	Pi conserved hypothetical protein (1384 nt)	5	15	0
PITG_13065	Pi myosin-like protein (5690 nt)	1	10	0
PITG_13066	Pi hypothetical protein (816 nt)	12	57	0
PITG_13068	Pi conserved hypothetical protein (737 nt)	4	24	0
PITG_13070	Pi conserved hypothetical protein (633 nt)	5	67	0
PITG_13074	Pi cysteine protease family C01A, putative (1277 nt)	20	89	0
PITG_13077	Pi geranylgeranyl pyrophosphate synthetase (1034 nt)	0	25	0
PITG_13078	Pi conserved hypothetical protein (592 nt)	5	29	0
PITG_13079	Pi peptidylprolyl isomerase domain and WD repeat-cor	0	15	0
PITG_13083	Pi conserved hypothetical protein (786 nt)	4	29	0
PITG_13084	Pi conserved hypothetical protein (795 nt)	2	45	0
PITG_13096	Pi conserved hypothetical protein (2588 nt)	3	11	0
PITG_13097	Pi conserved hypothetical protein (543 nt)	26	19	0
PITG_13101	Pi fimbrin-like protein (2444 nt)	34	81	0
PITG_13102	Pi fimbrin-like protein (2322 nt)	12	32	0
PITG_13103	Pi fimbrin-like protein (2695 nt)	10	15	0
PITG_13111	Pi conserved hypothetical protein (3817 nt)	2	14	4
PITG_13112	Pi conserved hypothetical protein (1738 nt)	7	104	0
PITG_13114	Pi elicitin-like protein (1288 nt)	8	24	0
PITG_13115	Pi conserved hypothetical protein (1254 nt)	0	0	0
PITG_13116	Pi triosephosphate isomerase (857 nt)	51	97	1
PITG_13120	Pi transmembrane protein, putative (1527 nt)	0	12	0

PITG_13122 | Pi ATP-binding Cassette (ABC) Superfamily (4446 nt)	1	141	0
PITG_13128 | Pi 7-dehydrocholesterol reductase (1375 nt)	1	14	0
PITG_13132 | Pi caltractin (659 nt)	23	158	2
PITG_13134 | Pi conserved hypothetical protein (543 nt)	1	15	0
PITG_13135 | Pi copper-transporting ATPase, putative (3057 nt)	2	29	0
PITG_13138 | Pi conserved hypothetical protein (2544 nt)	2	8	0
PITG_13139 | Pi threonine synthase (1587 nt)	23	35	0
PITG_13146 | Pi RNA pseudouridylate synthase-like protein (1798 nt)	2	17	0
PITG_13150 | Pi phosphatidylinositol kinase (7680 nt)	0	14	0
PITG_13151 | Pi protein transporter Sec24 (4393 nt)	3	24	0
PITG_13152 | Pi conserved hypothetical protein (1680 nt)	17	133	0
PITG_13153 | Pi GTP-binding protein, putative (1780 nt)	19	59	0
PITG_13155 | Pi conserved hypothetical protein (921 nt)	0	26	0
PITG_13157 | Pi suppressor of necrosis 1, putative (1074 nt)	24	0	2
PITG_13159 | Pi conserved hypothetical protein (1943 nt)	14	78	0
PITG_13160 | Pi conserved hypothetical protein (930 nt)	1	0	0
PITG_13164 | Pi metalloprotease family M48X, putative (1196 nt)	2	15	0
PITG_13165 | Pi D-3-phosphoglycerate dehydrogenase, putative (192	11	20	0
PITG_13167 | Pi conserved hypothetical protein (1874 nt)	6	28	0
PITG_13168 | Pi conserved hypothetical protein (12990 nt)	2	47	0
PITG_13171 | Pi conserved hypothetical protein (1722 nt)	1	40	0
PITG_13172 | Pi GPI mannosyltransferase, putative (1365 nt)	1	12	0
PITG_13173 | Pi conserved hypothetical protein (1493 nt)	3	17	0
PITG_13174 | Pi translation initiation factor IF-2, putative (2742 nt)	1	11	0
PITG_13175 | Pi ATP-binding Cassette (ABC) Superfamily (5847 nt)	0	0	0
PITG_13176 | Pi diaminopimelate decarboxylase, putative (1249 nt)	0	12	1
PITG_13177 | Pi elongation of very long chain fatty acids protein, put	25	164	1
PITG_13178 | Pi elongation of very long chain fatty acids protein, put	6	45	4
PITG_13182 | Pi conserved hypothetical protein (1085 nt)	1	21	0
PITG_13183 | Pi sporangia induced conserved hypothetical protein (6	0	1	0
PITG_13185 | Pi conserved hypothetical protein (1501 nt)	8	23	0
PITG_13188 | Pi conserved hypothetical protein (2010 nt)	9	12	0
PITG_13196 | Pi conserved hypothetical protein (1584 nt)	14	17	0
PITG_13198 | Pi conserved hypothetical protein (815 nt)	0	0	0
PITG_13201 | Pi conserved hypothetical protein (2461 nt)	23	13	0
PITG_13202 | Pi zinc transporter, putative (1965 nt)	6	18	0
PITG_13204 | Pi conserved hypothetical protein (802 nt)	178	303	3
PITG_13223 | Pi cysteine desulfurase, putative (1380 nt)	3	16	0
PITG_13224 | Pi beclin-1-like protein (2184 nt)	1	18	0
PITG_13225 | Pi conserved hypothetical protein (840 nt)	71	200	0
PITG_13226 | Pi conserved hypothetical protein (1765 nt)	8	212	0
PITG_13228 | Pi conserved hypothetical protein (2007 nt)	3	23	0
PITG_13231 | Pi cobalamin synthesis protein, putative (1371 nt)	0	0	0
PITG_13234 | Pi conserved hypothetical protein (1734 nt)	0	14	0
PITG_13235 | Pi putative P-type ATPase (2964 nt)	2	24	0
PITG_13237 | Pi alpha-actinin-1, putative (3164 nt)	5	67	1
PITG_13239 | Pi Mitochondrial Carrier (MC) Family (1073 nt)	4	17	0

PITG_13240	Pi conserved hypothetical protein (612 nt)	1	11	0
PITG_13245	Pi glycerophosphodiesterase, putative (3322 nt)	2	32	0
PITG_13248	Pi conserved hypothetical protein (1178 nt)	37	84	0
PITG_13249	Pi conserved hypothetical protein (1325 nt)	3	13	0
PITG_13250	Pi Mitochondrial Protein Translocase (MPT) Family (10	2	25	1
PITG_13252	Pi conserved hypothetical protein (1183 nt)	5	36	1
PITG_13253	Pi hypothetical protein (1914 nt)	2	4	0
PITG_13255	Pi conserved hypothetical protein (3044 nt)	2	13	0
PITG_13256	Pi conserved hypothetical protein (995 nt)	7	47	1
PITG_13257	Pi peroxisomal hydratase-dehydrogenase-epimerase, p	4	38	0
PITG_13258	Pi Mitochondrial Carrier (MC) Family (894 nt)	29	46	0
PITG_13259	Pi conserved hypothetical protein (1083 nt)	1	19	0
PITG_13260	Pi tenascin-like protein (3393 nt)	0	1	0
PITG_13262	Pi cystathionine beta-synthase (1582 nt)	77	88	1
PITG_13264	Pi conserved hypothetical protein (1151 nt)	0	0	0
PITG_13265	Pi adenosine kinase (1038 nt)	3	30	7
PITG_13267	Pi conserved hypothetical protein (1109 nt)	0	1	0
PITG_13268	Pi p21-activated protein kinase-interacting protein, put	2	7	0
PITG_13269	Pi conserved hypothetical protein (1039 nt)	0	1	0
PITG_13270	Pi palmitoyltransferase, putative (1738 nt)	11	33	0
PITG_13271	Pi conserved hypothetical protein (366 nt)	121	1106	16
PITG_13272	Pi conserved hypothetical protein (768 nt)	3	25	0
PITG_13273	Pi conserved hypothetical protein (3811 nt)	0	19	0
PITG_13274	Pi hypothetical protein (558 nt)	0	1	0
PITG_13275	Pi conserved hypothetical protein (954 nt)	18	34	1
PITG_13276	Pi conserved hypothetical protein (1167 nt)	3	8	0
PITG_13277	Pi conserved hypothetical protein (1592 nt)	11	89	0
PITG_13282	Pi ATP-binding Cassette (ABC) Superfamily (4764 nt)	1	120	0
PITG_13283	Pi ATP-binding Cassette (ABC) superfamily (897 nt)	6	16	0
PITG_13284	Pi conserved hypothetical protein (1246 nt)	9	25	0
PITG_13285	Pi hypothetical protein (1188 nt)	0	13	0
PITG_13286	Pi conserved hypothetical protein (521 nt)	81	111	0
PITG_13289	Pi thioredoxin-like protein (1353 nt)	3	27	0
PITG_13290	Pi conserved hypothetical protein (306 nt)	36	11	0
PITG_13291	Pi dolichyl pyrophosphate Glc1Man9GlcNAc2 alpha-1,3	3	14	0
PITG_13296	Pi aldose 1-epimerase, putative (947 nt)	3	41	2
PITG_13297	Pi conserved hypothetical protein (1521 nt)	2	13	0
PITG_13298	Pi conserved hypothetical protein (2908 nt)	2	14	0
PITG_13299	Pi conserved hypothetical protein (1580 nt)	0	5	0
PITG_13300	Pi RNA-binding protein NOB1 (1601 nt)	2	7	0
PITG_13301	Pi H - or Na -translocating F-type, V-type and A-type AT	6	63	14
PITG_13302	Pi calcineurin-like phosphoesterase (2485 nt)	6	23	0
PITG_13303	Pi conserved hypothetical protein (1686 nt)	3	9	0
PITG_13304	Pi conserved hypothetical protein (810 nt)	1	0	0
PITG_13305	Pi aldose 1-epimerase, putative (903 nt)	1	15	0
PITG_13306	Pi secreted RxLR effector peptide, putative (300 nt)	118	15	0
PITG_13307	Pi conserved hypothetical protein (737 nt)	161	84	0

PITG_13309	Pi conserved hypothetical protein (1365 nt)	7	8	0
PITG_13312	Pi 40S ribosomal protein S25, putative (1154 nt)	773	832	83
PITG_13314	Pi conserved hypothetical protein (1006 nt)	6	43	0
PITG_13316	Pi conserved hypothetical protein (1400 nt)	0	0	0
PITG_13317	Pi conserved hypothetical protein (1118 nt)	22	26	0
PITG_13319	Pi myosin-like protein (3989 nt)	1	22	0
PITG_13320	Pi conserved hypothetical protein (279 nt)	2	22	0
PITG_13321	Pi conserved hypothetical protein (1411 nt)	1	2	0
PITG_13323	Pi spore induced hypothetical protein (651 nt)	0	4	0
PITG_13324	Pi conserved hypothetical protein (1113 nt)	16	176	0
PITG_13327	Pi conserved hypothetical protein (852 nt)	1	0	0
PITG_13335	Pi conserved hypothetical protein (1147 nt)	11	140	0
PITG_13336	Pi DNA2-like helicase (4864 nt)	0	23	0
PITG_13337	Pi conserved hypothetical protein (1459 nt)	0	18	0
PITG_13340	Pi Folate-Biopterin Transporter (FBT) Family (1773 nt)	2	25	0
PITG_13341	Pi 2,4-dienoyl-CoA reductase, mitochondrial precursor	17	200	0
PITG_13342	Pi conserved hypothetical protein (930 nt)	12	16	0
PITG_13344	Pi Cytochrome Oxidase Biogenesis (Oxa1) Family (1380	1	15	0
PITG_13345	Pi conserved hypothetical protein (1800 nt)	3	73	0
PITG_13346	Pi conserved hypothetical protein (1176 nt)	0	4	0
PITG_13347	Pi IMP-specific 5'-nucleotidase, putative (1463 nt)	7	68	0
PITG_13353	Pi hypothetical protein (375 nt)	5	12	0
PITG_13354	Pi conserved hypothetical protein (2571 nt)	4	7	0
PITG_13362	Pi microtubule-associated protein, putative (7408 nt)	0	12	0
PITG_13364	Pi conserved hypothetical protein (708 nt)	16	21	0
PITG_13365	Pi Poly(U)-binding-splicing factor PUF60, putative (170	7	30	0
PITG_13366	Pi conserved hypothetical protein (3990 nt)	27	73	0
PITG_13367	Pi XRP2-like protein (1462 nt)	10	7	0
PITG_13368	Pi cyclin-like protein (1846 nt)	7	36	0
PITG_13370	Pi conserved hypothetical protein (1551 nt)	241	316	10
PITG_13371	Pi 60S ribosomal protein L31, putative (762 nt)	421	830	64
PITG_13372	Pi conserved hypothetical protein (845 nt)	4	23	0
PITG_13373	Pi conserved hypothetical protein (1037 nt)	17	296	0
PITG_13376	Pi conserved hypothetical protein (1462 nt)	6	31	0
PITG_13378	Pi conserved hypothetical protein (309 nt)	0	3	0
PITG_13381	Pi conserved hypothetical protein (1234 nt)	60	574	0
PITG_13382	Pi conserved hypothetical protein (1221 nt)	83	252	0
PITG_13383	Pi glycoprotein elicitor-like protein (967 nt)	1	17	0
PITG_13386	Pi conserved hypothetical protein (1314 nt)	1	22	0
PITG_13387	Pi conserved hypothetical protein (898 nt)	90	277	1
PITG_13389	Pi conserved hypothetical protein (962 nt)	0	7	0
PITG_13390	Pi conserved hypothetical protein (1345 nt)	0	5	0
PITG_13391	Pi trans-acting enoyl reductase, putative (1404 nt)	2	39	0
PITG_13392	Pi conserved hypothetical protein (677 nt)	29	99	0
PITG_13393	Pi RNA-binding protein, putative (1978 nt)	10	51	0
PITG_13395	Pi P-type ATPase (P-ATPase) Superfamily (5061 nt)	1	21	0
PITG_13396	Pi conserved hypothetical protein (587 nt)	338	297	1

PITG_13397	Pi protein kinase, putative (2544 nt)	21	27	0
PITG_13398	Pi tubulin-tyrosine ligase family, putative (3275 nt)	0	16	0
PITG_13399	Pi asparagine synthetase (1788 nt)	9	14	0
PITG_13402	Pi cystathionine beta-lyase (2009 nt)	2	45	0
PITG_13403	Pi sphingolipid delta(4)-desaturase DES1-like protein (1	14	44	0
PITG_13404	Pi DNA-directed RNA polymerase II 135 kDa polypeptid	2	32	1
PITG_13405	Pi conserved hypothetical protein (2746 nt)	11	100	0
PITG_13406	Pi conserved hypothetical protein (1294 nt)	3	29	0
PITG_13409	Pi serine protease family S33, putative (1986 nt)	1	4	0
PITG_13412	Pi conserved hypothetical protein (1758 nt)	3	16	0
PITG_13413	Pi conserved hypothetical protein (1419 nt)	3	8	0
PITG_13414	Pi conserved hypothetical protein (1014 nt)	1	1	0
PITG_13415	Pi protein kinase, putative (2746 nt)	4	19	0
PITG_13416	Pi ubiquinone biosynthesis protein COQ4 (849 nt)	6	15	0
PITG_13417	Pi conserved hypothetical protein (1464 nt)	5	20	0
PITG_13419	Pi conserved hypothetical protein (1043 nt)	2	10	0
PITG_13421	Pi tripeptidyl-peptidase, putative (2214 nt)	1	17	0
PITG_13422	Pi conserved hypothetical protein (2145 nt)	9	107	0
PITG_13423	Pi conserved hypothetical protein (1721 nt)	14	84	0
PITG_13426	Pi conserved hypothetical protein (2646 nt)	1	17	0
PITG_13427	Pi glutathione reductase (1624 nt)	5	31	0
PITG_13428	Pi conserved hypothetical protein (792 nt)	31	79	0
PITG_13430	Pi conserved hypothetical protein (960 nt)	0	11	0
PITG_13431	Pi WD domain-containing protein, putative (1388 nt)	6	25	0
PITG_13432	Pi conserved hypothetical protein (1026 nt)	4	10	0
PITG_13433	Pi conserved hypothetical protein (1183 nt)	2	9	0
PITG_13434	Pi sel-1 family protein (1821 nt)	6	31	0
PITG_13435	Pi conserved hypothetical protein (3146 nt)	1	16	0
PITG_13436	Pi conserved hypothetical protein (463 nt)	0	12	0
PITG_13437	Pi metalloprotease family M16C, putative (3147 nt)	0	13	0
PITG_13438	Pi conserved hypothetical protein (1355 nt)	34	114	0
PITG_13439	Pi conserved hypothetical protein (775 nt)	4	25	0
PITG_13440	Pi conserved hypothetical protein (1376 nt)	4	16	0
PITG_13447	Pi conserved hypothetical protein (1231 nt)	0	19	0
PITG_13456	Pi conserved hypothetical protein (391 nt)	3	0	0
PITG_13458	Pi protein kinase, putative (1992 nt)	5	21	0
PITG_13459	Pi conserved hypothetical protein (676 nt)	13	21	1
PITG_13460	Pi conserved hypothetical protein (2227 nt)	3	18	0
PITG_13461	Pi sporangia induced deflagellation-inducible protein (4	6	24	0
PITG_13462	Pi carbohydrate-binding protein, putative (1542 nt)	3	76	0
PITG_13464	Pi conserved hypothetical protein (2037 nt)	0	11	0
PITG_13468	Pi hypothetical protein (2031 nt)	22	25	0
PITG_13469	Pi hypothetical protein (765 nt)	13	2	4
PITG_13473	Pi Major Facilitator Superfamily (MFS) (1559 nt)	7	0	0
PITG_13483	Pi conserved hypothetical protein (1657 nt)	9	80	0
PITG_13484	Pi crinkler (CRN) domain-containing protein (1987 nt)	0	12	0
PITG_13486	Pi dTDP-D-glucose 4,6-dehydratase, putative (1332 nt)	3	10	0

PITG_13488 | Pi serine protease family S08A, putative (1548 nt)	19	14	0
PITG_13490 | Pi urocanase, putative (2405 nt)	13	76	1
PITG_13491 | Pi calcineurin-like phosphoesterase, putative (1645 nt)	8	87	0
PITG_13492 | Pi conserved hypothetical protein (1837 nt)	4	41	0
PITG_13493 | Pi conserved hypothetical protein (1342 nt)	10	32	0
PITG_13494 | Pi elicitor-like transglutaminase, putative (1278 nt)	0	0	0
PITG_13496 | Pi elicitor-like transglutaminase, putative (2063 nt)	0	4	0
PITG_13497 | Pi elicitor-like transglutaminase, putative (2006 nt)	5	102	0
PITG_13499 | Pi MtN3-like protein (779 nt)	2	8	0
PITG_13500 | Pi 40S ribosomal protein S4 (1129 nt)	606	814	64
PITG_13503 | Pi secreted RxLR effector peptide, putative (1678 nt)	2	5	0
PITG_13504 | Pi hypothetical protein (396 nt)	7	30	0
PITG_13505 | Pi hypothetical protein (766 nt)	34	95	0
PITG_13509 | Pi secreted RxLR effector peptide, putative (660 nt)	68	7	22
PITG_13511 | Pi phosphatidylinositol-4-phosphate-5-kinase (PIPK-D6,	2	0	0
PITG_13512 | Pi peptidyl-prolyl cis-trans isomerase B precursor (1169	3	18	0
PITG_13520 | Pi conserved hypothetical protein (559 nt)	0	1	7
PITG_13523 | Pi conserved hypothetical protein (1599 nt)	7	17	0
PITG_13527 | Pi conserved hypothetical protein (1548 nt)	4	16	0
PITG_13528 | Pi conserved hypothetical protein (1300 nt)	13	316	1
PITG_13529 | Pi secreted RxLR effector peptide, putative (489 nt)	30	24	0
PITG_13539 | Pi hypothetical protein (927 nt)	2	33	0
PITG_13540 | Pi hypothetical protein (3066 nt)	2	50	0
PITG_13544 | Pi conserved hypothetical protein (2742 nt)	25	15	0
PITG_13545 | Pi conserved hypothetical protein (1320 nt)	516	40	0
PITG_13546 | Pi sphingosine kinase, putative (1761 nt)	9	33	0
PITG_13548 | Pi conserved hypothetical protein (495 nt)	3	20	0
PITG_13551 | Pi creatine kinase, mitochondrial precursor (2465 nt)	1	4	0
PITG_13554 | Pi ATP-binding Cassette (ABC) Superfamily (1521 nt)	16	99	0
PITG_13558 | Pi ATP-binding Cassette (ABC) Superfamily (4053 nt)	5	85	0
PITG_13560 | Pi endoglucanase, putative (700 nt)	0	0	5
PITG_13562 | Pi conserved hypothetical protein (1052 nt)	0	0	0
PITG_13567 | Pi endo-1,3(4)-beta-glucanase, putative (2700 nt)	10	17	0
PITG_13569 | Pi endo-1,3(4)-beta-glucanase, putative (2985 nt)	21	12	0
PITG_13571 | Pi endo-1,3(4)-beta-glucanase, putative (3132 nt)	20	10	0
PITG_13574 | Pi hypothetical protein (773 nt)	5	11	0
PITG_13575 | Pi ATP-binding Cassette (ABC) Superfamily (4077 nt)	2	29	4
PITG_13576 | Pi ATP-binding Cassette (ABC) Superfamily (4047 nt)	0	31	0
PITG_13579 | Pi ATP-binding Cassette (ABC) Superfamily (4047 nt)	0	31	0
PITG_13581 | Pi ATP-binding Cassette (ABC) Superfamily (4050 nt)	0	0	0
PITG_13582 | Pi glycosyl hydrolase, putative (3124 nt)	0	24	0
PITG_13583 | Pi ATP-binding Cassette (ABC) Superfamily (4243 nt)	0	0	0
PITG_13586 | Pi pterin-4-alpha-carbinolamine dehydratase (416 nt)	5	39	0
PITG_13588 | Pi conserved hypothetical protein (317 nt)	16	53	0
PITG_13590 | Pi ATP-binding Cassette (ABC) superfamily (4143 nt)	6	74	0
PITG_13595 | Pi conserved hypothetical protein (714 nt)	3	3	0
PITG_13596 | Pi biotin synthase (1332 nt)	26	134	6

PITG_13597	Pi conserved hypothetical protein (861 nt)	173	1296	0
PITG_13600	Pi eukaryotic translation initiation factor 3 subunit, put	92	52	3
PITG_13601	Pi cleavage induced hypothetical protein (1338 nt)	0	0	0
PITG_13603	Pi conserved hypothetical protein (683 nt)	0	0	0
PITG_13604	Pi P-type ATPase (P-ATPase) Superfamily (4258 nt)	0	0	0
PITG_13605	Pi zinc phosphodiesterase ELAC protein 2, putative (10!	2	10	0
PITG_13607	Pi translation initiation factor eIF-2B subunit delta, put:	8	25	0
PITG_13609	Pi conserved hypothetical protein (3362 nt)	0	18	0
PITG_13613	Pi P-type ATPase (P-ATPase) Superfamily (2145 nt)	9	6	0
PITG_13614	Pi malate dehydrogenase, mitochondrial precursor (11	29	95	26
PITG_13616	Pi conserved hypothetical protein (983 nt)	53	46	0
PITG_13617	Pi caltractin (633 nt)	53	101	0
PITG_13618	Pi WD repeat protein pop3 (1134 nt)	5	21	0
PITG_13619	Pi conserved hypothetical protein (650 nt)	0	13	0
PITG_13620	Pi conserved hypothetical protein (3219 nt)	13	32	0
PITG_13621	Pi conserved hypothetical protein (511 nt)	4	10	0
PITG_13622	Pi conserved hypothetical protein (2319 nt)	17	32	0
PITG_13623	Pi conserved hypothetical protein (1004 nt)	2	7	0
PITG_13625	Pi conserved hypothetical protein (672 nt)	6	17	0
PITG_13631	Pi cytochrome P450, putative (1435 nt)	13	11	0
PITG_13634	Pi conserved hypothetical protein (1968 nt)	3	42	0
PITG_13638	Pi glucanase inhibitor protein 1 (777 nt)	0	0	4
PITG_13641	Pi glucanase inhibitor protein, putative (771 nt)	17	80	13
PITG_13644	Pi conserved hypothetical protein (1181 nt)	4	36	0
PITG_13650	Pi conserved hypothetical protein (693 nt)	5	10	0
PITG_13651	Pi conserved hypothetical protein (915 nt)	19	37	0
PITG_13654	Pi conserved hypothetical protein (627 nt)	17	14	0
PITG_13655	Pi glucanase inhibitor protein, putative (774 nt)	2	0	45
PITG_13657	Pi conserved hypothetical protein (936 nt)	6	61	1
PITG_13658	Pi methionine aminopeptidase, putative (834 nt)	23	65	0
PITG_13659	Pi conserved hypothetical protein (699 nt)	9	35	0
PITG_13660	Pi conserved hypothetical protein (2658 nt)	42	1126	0
PITG_13661	Pi conserved hypothetical protein (1053 nt)	6	9	0
PITG_13663	Pi conserved hypothetical protein (1842 nt)	3	18	0
PITG_13665	Pi conserved hypothetical protein (543 nt)	81	124	0
PITG_13666	Pi conserved hypothetical protein (2062 nt)	4	34	0
PITG_13669	Pi serine/threonine protein kinase (2411 nt)	3	21	0
PITG_13671	Pi glucanase inhibitor protein 3 (839 nt)	370	111	0
PITG_13672	Pi conserved hypothetical protein (1059 nt)	39	27	0
PITG_13673	Pi conserved hypothetical protein (2148 nt)	105	95	0
PITG_13674	Pi conserved hypothetical protein (717 nt)	0	0	0
PITG_13675	Pi conserved hypothetical protein (1029 nt)	1	7	0
PITG_13676	Pi conserved hypothetical protein (555 nt)	1284	579	37
PITG_13677	Pi phosphatidylinositol-4-phosphate-5-kinase (PIPK-D7,	11	134	0
PITG_13678	Pi conserved hypothetical protein (1343 nt)	5	15	0
PITG_13679	Pi conserved hypothetical protein (2052 nt)	18	92	0
PITG_13681	Pi 40S ribosomal protein S26, putative (675 nt)	1054	1507	107

PITG_13682	Pi hypothetical protein (564 nt)	90	189	17
PITG_13683	Pi NADH dehydrogenase flavoprotein 2, mitochondrial	41	114	8
PITG_13686	Pi Sulfate Permease (SulP) Family (3498 nt)	13	27	0
PITG_13687	Pi pre-mRNA-splicing factor ATP-dependent RNA helica	1	14	0
PITG_13689	Pi crinkler (CRN) family protein, Gypsy-disrupted, pseuc	71	12	1
PITG_13699	Pi crinkler (CRN) family protein, pseudogene (2083 nt)	418	3376	110
PITG_13713	Pi MICAL-like protein (3165 nt)	10	8	0
PITG_13715	Pi transmembrane protein, putative (3401 nt)	8	28	0
PITG_13716	Pi conserved hypothetical protein (1034 nt)	1	11	0
PITG_13717	Pi transmembrane protein, putative (1502 nt)	17	50	0
PITG_13718	Pi conserved hypothetical protein (1401 nt)	2	22	0
PITG_13719	Pi DNA excision repair protein ERCC-1 (946 nt)	2	16	0
PITG_13721	Pi alpha,alpha-trehalose-phosphate synthase [UDP-fori	2	24	0
PITG_13722	Pi conserved hypothetical protein (1657 nt)	2	10	0
PITG_13724	Pi cysteine protease family C48, putative (1388 nt)	4	5	0
PITG_13726	Pi Ca2 :Cation Antiporter (CaCA) Family (1305 nt)	6	36	0
PITG_13727	Pi conserved hypothetical protein (1417 nt)	7	44	0
PITG_13728	Pi NADH dehydrogenase [ubiquinone] iron-sulfur prote	24	95	3
PITG_13729	Pi conserved hypothetical protein (1097 nt)	117	215	2
PITG_13730	Pi Mitochondrial Carrier (MC) Family (1213 nt)	0	5	0
PITG_13732	Pi dual specificity phosphatase, putative (1324 nt)	1	7	0
PITG_13736	Pi diacylglycerol kinase (2249 nt)	2	10	0
PITG_13737	Pi protoplast secreted protein 2 precursor (697 nt)	53	1528	2
PITG_13738	Pi conserved hypothetical protein (2194 nt)	0	25	0
PITG_13739	Pi conserved hypothetical protein (318 nt)	8	9	0
PITG_13745	Pi vacuolar protein sorting-associated protein, putative	3	35	0
PITG_13746	Pi hypothetical protein (936 nt)	8	11	0
PITG_13747	Pi Drug/Metabolite Transporter (DMT) Superfamily (12	19	22	0
PITG_13748	Pi ubiquitin-conjugating enzyme E2, putative (776 nt)	82	159	3
PITG_13749	Pi 2,3-bisphosphoglycerate-dependent phosphoglycera	8	14	1
PITG_13750	Pi conserved hypothetical protein (906 nt)	56	60	1
PITG_13751	Pi conserved hypothetical protein (920 nt)	7	25	1
PITG_13752	Pi conserved hypothetical protein (2768 nt)	2	25	0
PITG_13753	Pi choline/Carnitine O-acyltransferase, putative (2114 r	7	111	0
PITG_13755	Pi phosphatidylinositol kinase (PIK-E3) (1488 nt)	0	0	0
PITG_13756	Pi conserved hypothetical protein (846 nt)	7	0	0
PITG_13757	Pi conserved hypothetical protein (1170 nt)	1	11	0
PITG_13758	Pi conserved hypothetical protein (1702 nt)	5	58	0
PITG_13761	Pi protoplast secreted protein 2 precursor (703 nt)	5	114	7
PITG_13762	Pi flavodoxin-like protein (800 nt)	15	12	9
PITG_13763	Pi flavodoxin-like protein (725 nt)	9	129	8
PITG_13764	Pi conserved hypothetical protein (780 nt)	0	19	0
PITG_13766	Pi WD repeat protein 35 (6588 nt)	0	1	0
PITG_13767	Pi conserved hypothetical protein (2007 nt)	11	30	0
PITG_13768	Pi acyl-CoA-binding domain-containing protein, putativ	19	55	0
PITG_13769	Pi sporangia induced conserved hypothetical protein (9	7	4	0
PITG_13771	Pi conserved hypothetical protein (1194 nt)	7	13	0

PITG_13772	Pi conserved hypothetical protein (2493 nt)	2	18	0
PITG_13773	Pi conserved hypothetical protein (3030 nt)	2	16	0
PITG_13774	Pi conserved hypothetical protein (3318 nt)	0	21	0
PITG_13775	Pi phosphatidylinositol kinase (PIK-J) (3151 nt)	7	42	0
PITG_13776	Pi conserved hypothetical protein (829 nt)	3	19	0
PITG_13778	Pi cell cycle-related kinase, putative (2870 nt)	68	146	1
PITG_13783	Pi conserved hypothetical protein (1158 nt)	12	35	0
PITG_13785	Pi conserved hypothetical protein (984 nt)	0	17	2
PITG_13791	Pi conserved hypothetical protein (1320 nt)	1	21	0
PITG_13792	Pi ribonuclease H2 subunit A, putative (3246 nt)	1	16	0
PITG_13794	Pi conserved hypothetical protein (1424 nt)	0	0	0
PITG_13795	Pi conserved hypothetical protein (2454 nt)	0	0	0
PITG_13796	Pi conserved hypothetical protein (967 nt)	0	15	0
PITG_13801	Pi conserved hypothetical protein (2132 nt)	9	2	0
PITG_13802	Pi conserved hypothetical protein (1184 nt)	0	10	0
PITG_13803	Pi Hect domain-containing protein, putative (5525 nt)	9	26	0
PITG_13804	Pi conserved hypothetical protein (2535 nt)	14	41	0
PITG_13805	Pi conserved hypothetical protein (1584 nt)	5	0	0
PITG_13806	Pi conserved hypothetical protein (3134 nt)	7	16	0
PITG_13807	Pi hypothetical protein (645 nt)	56	359	0
PITG_13808	Pi conserved hypothetical protein (673 nt)	2	17	0
PITG_13809	Pi Rab18 family GTPase, putative (955 nt)	21	128	0
PITG_13814	Pi serine/threonine protein kinase (1146 nt)	0	0	0
PITG_13815	Pi conserved hypothetical protein (1398 nt)	55	27	0
PITG_13819	Pi conserved hypothetical protein (2376 nt)	5	34	0
PITG_13825	Pi ras family GTPase, putative (618 nt)	0	0	0
PITG_13826	Pi hybrid signal transduction histidine kinase, putative (	2	46	0
PITG_13827	Pi conserved hypothetical protein (2988 nt)	10	21	0
PITG_13828	Pi histone H3 (698 nt)	4	21	0
PITG_13829	Pi conserved hypothetical protein (809 nt)	3	19	0
PITG_13831	Pi tryptophanyl-tRNA synthetase (1691 nt)	2	19	1
PITG_13832	Pi delta-aminolevulinic acid dehydratase, putative (108	7	29	3
PITG_13833	Pi conserved hypothetical protein (1674 nt)	5	10	0
PITG_13834	Pi vacuolar protein, putative (11155 nt)	0	2	0
PITG_13835	Pi conserved hypothetical protein (934 nt)	15	24	0
PITG_13836	Pi cleavage induced predicted protein (2174 nt)	2	16	0
PITG_13838	Pi polycomb protein EZH2, putative (2824 nt)	2	23	0
PITG_13839	Pi conserved hypothetical protein (511 nt)	49	45	0
PITG_13840	Pi conserved hypothetical protein (1269 nt)	9	35	0
PITG_13841	Pi conserved hypothetical protein (3438 nt)	3	24	0
PITG_13842	Pi conserved hypothetical protein (2210 nt)	28	35	0
PITG_13843	Pi conserved hypothetical protein (456 nt)	12	33	0
PITG_13844	Pi conserved hypothetical protein (2067 nt)	0	7	0
PITG_13845	Pi conserved hypothetical protein (2278 nt)	4	25	0
PITG_13846	Pi WD repeat protein 39 (1095 nt)	5	15	0
PITG_13848	Pi conserved hypothetical protein (2816 nt)	11	29	0
PITG_13849	Pi GDP-mannose transporter, putative (1020 nt)	12	45	3

PITG_13850 | Pi hypothetical protein (2825 nt)	1	2	0
PITG_13853 | Pi conserved hypothetical protein (1208 nt)	2	30	0
PITG_13855 | Pi phosphatidic acid phosphatase (890 nt)	13	27	0
PITG_13860 | Pi protein kinase, putative (1146 nt)	0	22	0
PITG_13861 | Pi conserved hypothetical protein (1372 nt)	13	70	0
PITG_13873 | Pi alpha-glucosidase, putative (2582 nt)	0	14	0
PITG_13881 | Pi conserved hypothetical protein (954 nt)	0	0	0
PITG_13882 | Pi conserved hypothetical protein (2061 nt)	3	14	0
PITG_13887 | Pi AMP-binding enzyme, putative (1596 nt)	1	5	0
PITG_13888 | Pi 4-coumarate-CoA ligase, putative (1788 nt)	0	16	0
PITG_13889 | Pi 4-coumarate-CoA ligase, putative (2240 nt)	1	9	0
PITG_13890 | Pi hypothetical protein (319 nt)	0	0	0
PITG_13893 | Pi conserved hypothetical protein (463 nt)	5	9	0
PITG_13895 | Pi sporangia induced conserved hypothetical protein (2	0	1	0
PITG_13896 | Pi conserved hypothetical protein (1500 nt)	2	32	0
PITG_13899 | Pi conserved hypothetical protein (886 nt)	1	11	0
PITG_13900 | Pi conserved hypothetical protein (759 nt)	2	11	0
PITG_13901 | Pi conserved hypothetical protein (3281 nt)	0	31	0
PITG_13903 | Pi conserved hypothetical protein (971 nt)	10	23	0
PITG_13906 | Pi hypothetical protein (1325 nt)	1	5	0
PITG_13907 | Pi conserved hypothetical protein (483 nt)	0	0	0
PITG_13908 | Pi conserved hypothetical protein (775 nt)	0	0	0
PITG_13909 | Pi conserved hypothetical protein (1343 nt)	0	11	0
PITG_13910 | Pi conserved hypothetical protein (1120 nt)	3	25	0
PITG_13911 | Pi conserved hypothetical protein (745 nt)	1	22	0
PITG_13912 | Pi conserved hypothetical protein (368 nt)	22	98	0
PITG_13913 | Pi SUMO protease, putative (2081 nt)	1	22	0
PITG_13915 | Pi conserved hypothetical protein (3859 nt)	11	30	0
PITG_13918 | Pi N-terminal acetyltransferase A complex subunit nat1	10	60	1
PITG_13919 | Pi conserved hypothetical protein (904 nt)	368	1457	39
PITG_13920 | Pi phosphatidylinositol kinase (PIK-D) (3069 nt)	4	14	0
PITG_13922 | Pi proline-rich protein 6 (411 nt)	4	14	0
PITG_13927 | Pi conserved hypothetical protein (1113 nt)	6	33	0
PITG_13934 | Pi calcium-dependent protein kinase, putative (2099 nt)	0	0	0
PITG_13937 | Pi hypothetical protein (666 nt)	0	6	0
PITG_13939 | Pi conserved hypothetical protein (2961 nt)	4	35	0
PITG_13960 | Pi endoribonuclease L-PSP, putative (700 nt)	2	25	15
PITG_13966 | Pi conserved hypothetical protein (1026 nt)	13	18	0
PITG_13968 | Pi dynein heavy chain (13181 nt)	0	5	0
PITG_13969 | Pi conserved hypothetical protein (545 nt)	9	7	0
PITG_13970 | Pi conserved hypothetical protein (2027 nt)	8	61	0
PITG_13971 | Pi conserved hypothetical protein (1801 nt)	9	35	0
PITG_13972 | Pi U6 snRNA-associated Sm-like protein LSm6, putative	78	92	2
PITG_13975 | Pi hypothetical protein (371 nt)	9	6	0
PITG_13976 | Pi DEAD/DEAH box RNA helicase, putative (1502 nt)	2	9	0
PITG_13977 | Pi serine/threonine-protein phosphatase 6 regulatory s	17	120	1
PITG_13979 | Pi conserved hypothetical protein (829 nt)	5	38	0

PITG_13980	Pi ARP2/3 complex 20 kDa subunit (1341 nt)	22	55	0
PITG_13985	Pi conserved hypothetical protein (1075 nt)	3	31	0
PITG_13986	Pi trafficking protein particle complex subunit 3 (1025 nt)	54	65	0
PITG_13988	Pi conserved hypothetical protein (3543 nt)	0	12	0
PITG_13990	Pi conserved hypothetical protein (512 nt)	5	14	0
PITG_13991	Pi nicotinate phosphoribosyltransferase, putative (1834 nt)	3	44	0
PITG_13992	Pi conserved hypothetical protein (834 nt)	1	20	0
PITG_13997	Pi serine/threonine protein kinase (3857 nt)	4	39	0
PITG_13999	Pi protein phosphatase 1 regulatory subunit, putative (1000 nt)	2	17	0
PITG_14000	Pi conserved hypothetical protein (1313 nt)	5	36	0
PITG_14001	Pi mitogen-activated protein kinase, putative (1218 nt)	7	30	0
PITG_14002	Pi conserved hypothetical protein (1497 nt)	10	96	0
PITG_14003	Pi conserved hypothetical protein (1725 nt)	6	7	0
PITG_14005	Pi conserved hypothetical protein (1653 nt)	7	302	0
PITG_14008	Pi conserved hypothetical protein (1706 nt)	12	76	6
PITG_14009	Pi pre-mRNA-splicing factor ATP-dependent RNA helicase (1000 nt)	1	12	0
PITG_14010	Pi conserved hypothetical protein (1545 nt)	0	0	0
PITG_14013	Pi cytochrome P450, putative (1567 nt)	0	12	0
PITG_14014	Pi ATP-binding Cassette (ABC) Superfamily (4015 nt)	1	24	0
PITG_14021	Pi hypothetical protein (906 nt)	0	5	0
PITG_14023	Pi conserved hypothetical protein (3526 nt)	0	22	0
PITG_14028	Pi conserved hypothetical protein (2018 nt)	2	13	0
PITG_14044	Pi transcription initiation factor TFIID subunit 2, putative (1000 nt)	1	25	0
PITG_14047	Pi conserved hypothetical protein (694 nt)	24	145	0
PITG_14048	Pi conserved hypothetical protein (947 nt)	6	7	0
PITG_14050	Pi conserved hypothetical protein (807 nt)	0	14	0
PITG_14051	Pi beta-glucan synthesis-associated protein, putative (2000 nt)	0	13	0
PITG_14054	Pi secreted RxLR effector peptide, putative (690 nt)	4	162	0
PITG_14055	Pi alcohol dehydrogenase, putative (1170 nt)	34	102	0
PITG_14056	Pi conserved hypothetical protein (1861 nt)	2	21	0
PITG_14057	Pi alcohol dehydrogenase, putative (1005 nt)	53	100	0
PITG_14066	Pi CUG-BP- and ETR-3-like factor, putative (1618 nt)	6	16	0
PITG_14067	Pi zinc (Zn ²⁺)-Iron (Fe ²⁺) Permease (ZIP) family (993 nt)	6	29	0
PITG_14078	Pi conserved hypothetical protein (1769 nt)	7	26	0
PITG_14083	Pi glutathione reductase (1482 nt)	20	408	13
PITG_14084	Pi catechol O-methyltransferase, putative (1111 nt)	1	1	0
PITG_14087	Pi conserved hypothetical protein (2506 nt)	0	1	0
PITG_14088	Pi conserved hypothetical protein (835 nt)	18	10	7
PITG_14089	Pi conserved hypothetical protein (1683 nt)	1	23	0
PITG_14094	Pi conserved hypothetical protein (1700 nt)	2	22	0
PITG_14097	Pi conserved hypothetical protein (1762 nt)	14	71	0
PITG_14099	Pi conserved hypothetical protein (728 nt)	6	17	0
PITG_14100	Pi conserved hypothetical protein (1340 nt)	0	28	0
PITG_14104	Pi conserved hypothetical protein (978 nt)	3	10	0
PITG_14106	Pi conserved hypothetical protein (1064 nt)	34	48	0
PITG_14107	Pi conserved hypothetical protein (573 nt)	11	10	0
PITG_14108	Pi conserved hypothetical protein (5027 nt)	29	21	0

PITG_14109	Pi conserved hypothetical protein (1654 nt)	20	30	0
PITG_14110	Pi endoplasmic reticulum-Golgi intermediate compartn	19	79	5
PITG_14111	Pi vacuolar protein sorting-associated protein, putative	9	40	0
PITG_14112	Pi conserved hypothetical protein (965 nt)	1	7	0
PITG_14113	Pi conserved hypothetical protein (952 nt)	8	37	0
PITG_14114	Pi conserved hypothetical protein (1440 nt)	9	19	0
PITG_14119	Pi conserved hypothetical protein (647 nt)	0	1	0
PITG_14123	Pi calcineurin-like phosphoesterase, putative (1560 nt)	6	69	0
PITG_14124	Pi glycoside hydrolase, putative (927 nt)	1	59	0
PITG_14126	Pi potential polyprotein (1978 nt)	8	204	0
PITG_14127	Pi conserved hypothetical protein (1123 nt)	12	119	0
PITG_14129	Pi hypothetical protein (710 nt)	6	17	0
PITG_14130	Pi conserved hypothetical protein (1382 nt)	0	80	1
PITG_14131	Pi conserved hypothetical protein (1121 nt)	3	58	0
PITG_14132	Pi conserved hypothetical protein (715 nt)	3	11	0
PITG_14133	Pi programmed cell death protein, putative (1547 nt)	31	112	5
PITG_14134	Pi conserved hypothetical protein (2031 nt)	2	18	0
PITG_14135	Pi conserved hypothetical protein (593 nt)	0	14	0
PITG_14136	Pi tRNA-dihydrouridine synthase, putative (1339 nt)	0	14	0
PITG_14137	Pi histone-lysine N-methyltransferase, putative (4506 r	1	15	0
PITG_14138	Pi glycoside hydrolase, putative (1240 nt)	0	0	0
PITG_14141	Pi 1,3-beta-glucanosyltransferase, putative (1645 nt)	2	36	1
PITG_14148	Pi hypothetical protein (1080 nt)	3	0	0
PITG_14151	Pi conserved hypothetical protein (3267 nt)	1	11	0
PITG_14152	Pi conserved hypothetical protein (667 nt)	5	6	0
PITG_14155	Pi nitrate reductase, putative (1765 nt)	0	25	0
PITG_14156	Pi protein kinase, putative (2271 nt)	0	19	0
PITG_14163	Pi Voltage-gated Ion Channel (VIC) Superfamily (1572 n	1	15	0
PITG_14169	Pi conserved hypothetical protein (3882 nt)	17	23	0
PITG_14170	Pi galactokinase, putative (1310 nt)	58	44	0
PITG_14171	Pi Amino Acid-Polyamine-Organocation (APC) Family (1	1	14	0
PITG_14172	Pi conserved hypothetical protein (1397 nt)	2	12	0
PITG_14173	Pi endo-1,3(4)-beta-glucanase, putative (2623 nt)	13	73	2
PITG_14174	Pi conserved hypothetical protein (605 nt)	7	25	0
PITG_14175	Pi conserved hypothetical protein (8683 nt)	5	118	3
PITG_14176	Pi conserved hypothetical protein (1998 nt)	2	12	0
PITG_14177	Pi conserved hypothetical protein (401 nt)	0	0	0
PITG_14178	Pi conserved hypothetical protein (453 nt)	2	13	0
PITG_14179	Pi glutamine synthetase (841 nt)	31	379	31
PITG_14180	Pi glutamine synthetase (1184 nt)	40	203	25
PITG_14181	Pi long-chain fatty acid transporter, putative (2109 nt)	7	31	0
PITG_14182	Pi conserved hypothetical protein (1586 nt)	0	0	0
PITG_14188	Pi kinesin-like protein KIF6 (2729 nt)	1	1	0
PITG_14189	Pi conserved hypothetical protein (1729 nt)	5	9	0
PITG_14194	Pi carbohydrate esterase, putative (1356 nt)	4	49	0
PITG_14195	Pi enolase (1485 nt)	38	67	11
PITG_14197	Pi conserved hypothetical protein (1160 nt)	6	20	0

PITG_14198	Pi pre-mRNA-splicing factor 38B, putative (2124 nt)	8	54	0
PITG_14207	Pi conserved hypothetical protein (1032 nt)	1	11	0
PITG_14208	Pi conserved hypothetical protein (544 nt)	127	46	0
PITG_14210	Pi Amino Acid/Auxin Permease (AAAP) Family (1597 nt)	1	4	0
PITG_14214	Pi conserved hypothetical protein (544 nt)	76	49	0
PITG_14215	Pi carbohydrate esterase, putative (945 nt)	0	23	0
PITG_14216	Pi methylthioribose-1-phosphate isomerase, putative (	4	27	1
PITG_14217	Pi conserved hypothetical protein (978 nt)	8	8	0
PITG_14218	Pi conserved hypothetical protein (2868 nt)	2	10	0
PITG_14221	Pi conserved hypothetical protein (1071 nt)	15	9	0
PITG_14222	Pi sporangia induced conserved hypothetical protein (1	0	1	0
PITG_14223	Pi conserved hypothetical protein (723 nt)	6	9	0
PITG_14224	Pi conserved hypothetical protein (1097 nt)	1	21	0
PITG_14226	Pi conserved hypothetical protein (1554 nt)	1	3	0
PITG_14229	Pi mannose-1-phosphate guanyltransferase beta, putat	30	97	1
PITG_14230	Pi calcium-transporting ATPase sarcoplasmic/endoplas	2	39	0
PITG_14231	Pi importin subunit alpha, putative (2162 nt)	49	52	0
PITG_14237	Pi glycoside hydrolase, putative (1854 nt)	5	7	3
PITG_14239	Pi Poly(A) polymerase, putative (3061 nt)	9	47	0
PITG_14243	Pi glycoside hydrolase, putative (1587 nt)	4	10	2
PITG_14247	Pi conserved hypothetical protein (4481 nt)	3	8	0
PITG_14248	Pi rRNA-processing protein EBP2, putative (1109 nt)	2	17	1
PITG_14249	Pi conserved hypothetical protein (1489 nt)	11	36	0
PITG_14251	Pi conserved hypothetical protein (1827 nt)	2	11	0
PITG_14252	Pi conserved hypothetical protein (2175 nt)	1	0	0
PITG_14253	Pi conserved hypothetical protein (1734 nt)	0	1	0
PITG_14257	Pi conserved hypothetical protein (2697 nt)	7	35	0
PITG_14259	Pi conserved hypothetical protein (483 nt)	15	22	0
PITG_14260	Pi FACT complex subunit SSRP1, putative (1614 nt)	39	73	0
PITG_14267	Pi Crinkler (CRN) family protein, pseudogene (1902 nt)	92	595	0
PITG_14269	Pi transmembrane protein, putative (1149 nt)	27	34	0
PITG_14270	Pi GPI-anchored leucine-rich lipoprotein (1437 nt)	0	19	0
PITG_14272	Pi hypothetical protein (1775 nt)	2	21	0
PITG_14273	Pi conserved hypothetical protein (546 nt)	2	444	0
PITG_14274	Pi conserved hypothetical protein (1579 nt)	2	314	0
PITG_14275	Pi hypothetical protein (213 nt)	6	342	0
PITG_14276	Pi conserved hypothetical protein (866 nt)	8	57	0
PITG_14277	Pi trichohyalin-like protein (1827 nt)	0	11	0
PITG_14278	Pi eukaryotic translation initiation factor 4 gamma, put	6	77	1
PITG_14279	Pi conserved hypothetical protein (1597 nt)	3	34	0
PITG_14280	Pi conserved hypothetical protein (667 nt)	0	11	0
PITG_14281	Pi sporangia induced conserved hypothetical protein (1	1	2	0
PITG_14282	Pi conserved hypothetical protein (701 nt)	33	77	2
PITG_14283	Pi malonyl CoA-acyl carrier protein transacylase, putati	5	6	0
PITG_14284	Pi conserved hypothetical protein (5103 nt)	3	37	0
PITG_14285	Pi vesicle-associated membrane protein, putative (749	5	14	0
PITG_14286	Pi conserved hypothetical protein (1870 nt)	0	13	0

PITG_14288	Pi polysaccharide lyase, putative (1681 nt)	0	64	0
PITG_14297	Pi hypothetical protein (337 nt)	57	3	0
PITG_14299	Pi conserved hypothetical protein (1286 nt)	8	17	0
PITG_14300	Pi conserved hypothetical protein (1090 nt)	0	21	0
PITG_14312	Pi methylenetetrahydrofolate dehydrogenase [NAD+],	583	135	0
PITG_14322	Pi methylenetetrahydrofolate dehydrogenase [NAD+],	2	11	1
PITG_14352	Pi methylenetetrahydrofolate dehydrogenase [NAD+],	0	15	0
PITG_14353	Pi F-actin-capping protein subunit alpha, putative (1198 nt)	5	29	0
PITG_14354	Pi conserved hypothetical protein (2139 nt)	70	1757	0
PITG_14355	Pi trans-1,2-dihydrobenzene-1,2-diol dehydrogenase, p	0	57	0
PITG_14357	Pi dimeric dihydrodiol dehydrogenase, putative (1155 nt)	1	2	1
PITG_14358	Pi trans-1,2-dihydrobenzene-1,2-diol dehydrogenase, p	1	8	0
PITG_14362	Pi vacuolar proton translocating ATPase A subunit, putative	7	43	0
PITG_14363	Pi conserved hypothetical protein (389 nt)	18	24	0
PITG_14365	Pi conserved hypothetical protein (2070 nt)	4	12	0
PITG_14375	Pi conserved hypothetical protein (1976 nt)	4	26	0
PITG_14379	Pi conserved hypothetical protein (1828 nt)	8	13	0
PITG_14380	Pi lon protease, putative (2559 nt)	23	38	0
PITG_14381	Pi conserved hypothetical protein (793 nt)	21	32	0
PITG_14384	Pi sodium/potassium-transporting ATPase subunit alpha	0	0	0
PITG_14385	Pi conserved hypothetical protein (4127 nt)	2	18	0
PITG_14388	Pi cytochrome P450, putative (1581 nt)	9	0	0
PITG_14389	Pi conserved hypothetical protein (767 nt)	10	57	0
PITG_14390	Pi conserved hypothetical protein (799 nt)	2	16	0
PITG_14391	Pi conserved hypothetical protein (854 nt)	83	265	1
PITG_14392	Pi conserved hypothetical protein (2690 nt)	0	17	0
PITG_14393	Pi calcium/calmodulin-dependent protein kinase, putative	0	14	0
PITG_14394	Pi conserved hypothetical protein (662 nt)	4	42	0
PITG_14397	Pi proliferating cell nuclear antigen (1096 nt)	10	64	3
PITG_14398	Pi vacuolar amino acid transporter, putative (1761 nt)	3	18	0
PITG_14399	Pi pre-mRNA-processing factor, putative (1860 nt)	2	17	0
PITG_14400	Pi myb-like DNA-binding protein, putative (917 nt)	20	277	0
PITG_14401	Pi myb-like DNA-binding protein, putative (4060 nt)	10	111	0
PITG_14402	Pi conserved hypothetical protein (819 nt)	0	0	0
PITG_14412	Pi carbonic anhydrase, putative (1128 nt)	0	0	0
PITG_14413	Pi protein kinase, putative (2688 nt)	3	12	0
PITG_14415	Pi conserved hypothetical protein (3134 nt)	2	40	0
PITG_14416	Pi conserved hypothetical protein (1437 nt)	10	67	0
PITG_14420	Pi conserved hypothetical protein (2520 nt)	6	76	0
PITG_14429	Pi conserved hypothetical protein (751 nt)	0	12	0
PITG_14431	Pi conserved hypothetical protein (1571 nt)	1	6	0
PITG_14435	Pi conserved hypothetical protein (1786 nt)	0	17	0
PITG_14436	Pi conserved hypothetical protein (1255 nt)	0	30	0
PITG_14439	Pi conserved hypothetical protein (779 nt)	20	128	6
PITG_14440	Pi conserved hypothetical protein (651 nt)	6	47	0
PITG_14441	Pi cytoskeleton-associated protein, putative (5859 nt)	6	17	0
PITG_14442	Pi hypothetical protein (156 nt)	6	22	0

PITG_14448 | Pi hypothetical protein (1081 nt)	11	5	0
PITG_14452 | Pi conserved hypothetical protein (406 nt)	3	16	0
PITG_14455 | Pi Cation Diffusion Facilitator (CDF) Family (1155 nt)	89	94	0
PITG_14456 | Pi glutamyl-tRNA synthetase, putative (3088 nt)	35	51	1
PITG_14459 | Pi conserved hypothetical protein (849 nt)	0	0	0
PITG_14460 | Pi chromodomain protein, putative (1071 nt)	5	19	0
PITG_14461 | Pi actin-like protein (1370 nt)	1	12	0
PITG_14462 | Pi AP-1 complex subunit mu, putative (2736 nt)	11	28	0
PITG_14463 | Pi protein kinase, putative (2115 nt)	0	12	0
PITG_14465 | Pi conserved hypothetical protein (1814 nt)	30	64	0
PITG_14466 | Pi conserved hypothetical protein (1410 nt)	2	5	0
PITG_14467 | Pi conserved hypothetical protein (561 nt)	1	0	0
PITG_14471 | Pi conserved hypothetical protein (1146 nt)	3	8	0
PITG_14473 | Pi conserved hypothetical protein (2059 nt)	5	19	0
PITG_14474 | Pi conserved hypothetical protein (696 nt)	0	0	0
PITG_14478 | Pi NmrA-like family protein, putative (802 nt)	53	75	2
PITG_14479 | Pi conserved hypothetical protein (1394 nt)	97	95	0
PITG_14483 | Pi conserved hypothetical protein (1593 nt)	1	16	0
PITG_14484 | Pi conserved hypothetical protein (1905 nt)	3	12	0
PITG_14485 | Pi conserved hypothetical protein (2715 nt)	8	38	0
PITG_14486 | Pi MtN3-like protein (1577 nt)	9	140	0
PITG_14489 | Pi conserved hypothetical protein (1783 nt)	3	75	0
PITG_14493 | Pi conserved hypothetical protein (946 nt)	5	37	0
PITG_14497 | Pi isoprenylcysteine carboxyl methyltransferase, putati	55	28	0
PITG_14505 | Pi conserved hypothetical protein (389 nt)	14	11	0
PITG_14509 | Pi hypothetical protein (243 nt)	16	139	0
PITG_14514 | Pi HSF-type DNA-binding protein, putative (627 nt)	2	18	0
PITG_14515 | Pi conserved hypothetical protein (2532 nt)	26	6	0
PITG_14520 | Pi conserved hypothetical protein (692 nt)	3	1	0
PITG_14530 | Pi conserved hypothetical protein (383 nt)	2	0	0
PITG_14532 | Pi conserved hypothetical protein (1551 nt)	0	7	0
PITG_14533 | Pi conserved hypothetical protein (677 nt)	5	16	0
PITG_14548 | Pi conserved hypothetical protein (485 nt)	30	26	0
PITG_14549 | Pi phosphatidic acid phosphatase (1026 nt)	26	39	0
PITG_14550 | Pi conserved hypothetical protein (609 nt)	2	6	0
PITG_14551 | Pi hypothetical protein (629 nt)	2	2	0
PITG_14553 | Pi hypothetical protein (1295 nt)	12	47	0
PITG_14557 | Pi conserved hypothetical protein (1092 nt)	42	42	0
PITG_14558 | Pi conserved hypothetical protein (774 nt)	7	40	0
PITG_14561 | Pi Chloride Channel (ClC) Family (2991 nt)	6	24	0
PITG_14562 | Pi conserved hypothetical protein (465 nt)	7	14	0
PITG_14563 | Pi ubiquinone biosynthesis monooxygenase, putative (:	7	22	3
PITG_14564 | Pi conserved hypothetical protein (1257 nt)	8	51	0
PITG_14565 | Pi conserved hypothetical protein (1448 nt)	4	23	0
PITG_14566 | Pi lariat debranching enzyme B (1542 nt)	7	13	0
PITG_14567 | Pi conserved hypothetical protein (387 nt)	13	54	0
PITG_14568 | Pi conserved hypothetical protein (1108 nt)	6	20	0

PITG_14570 | Pi conserved hypothetical protein (1274 nt)	3	2	0
PITG_14571 | Pi conserved hypothetical protein (495 nt)	190	223	0
PITG_14572 | Pi conserved hypothetical protein (794 nt)	9	9	0
PITG_14573 | Pi AP-3 complex subunit delta, putative (3366 nt)	8	33	0
PITG_14574 | Pi conserved hypothetical protein (1050 nt)	1	14	0
PITG_14575 | Pi U6 snRNA-associated Sm-like protein, putative (321 nt)	61	59	4
PITG_14576 | Pi conserved hypothetical protein (1042 nt)	13	108	0
PITG_14577 | Pi conserved hypothetical protein (608 nt)	8	17	0
PITG_14578 | Pi phosducin-like protein (715 nt)	24	93	1
PITG_14579 | Pi conserved hypothetical protein (3101 nt)	1	12	0
PITG_14580 | Pi conserved hypothetical protein (1702 nt)	7	84	0
PITG_14581 | Pi conserved hypothetical protein (1445 nt)	160	224	0
PITG_14582 | Pi sporangia induced hypothetical protein (657 nt)	4	2	0
PITG_14584 | Pi microtubule -associated protein EB1 (1049 nt)	11	33	1
PITG_14585 | Pi conserved hypothetical protein (948 nt)	6	21	0
PITG_14586 | Pi 5'-AMP-activated protein kinase subunit beta, putative (1049 nt)	9	41	0
PITG_14587 | Pi conserved hypothetical protein (1670 nt)	6	38	0
PITG_14588 | Pi sporangia induced hypothetical protein similar to en	6	32	0
PITG_14589 | Pi choline-phosphate cytidyltransferase B (1341 nt)	26	67	0
PITG_14591 | Pi choline-phosphate cytidyltransferase B (955 nt)	2	12	0
PITG_14592 | Pi hypothetical protein (608 nt)	25	46	0
PITG_14593 | Pi conserved hypothetical protein (1536 nt)	3	11	0
PITG_14594 | Pi ubiquitin-conjugating enzyme E2, putative (604 nt)	1069	288	0
PITG_14595 | Pi conserved hypothetical protein (702 nt)	26	11	0
PITG_14596 | Pi transcription initiation factor IIB, putative (927 nt)	13	24	0
PITG_14597 | Pi conserved hypothetical protein (279 nt)	13	23	1
PITG_14598 | Pi prolyl endopeptidase, putative (2259 nt)	9	59	1
PITG_14599 | Pi conserved hypothetical protein (2040 nt)	2	11	0
PITG_14601 | Pi hypothetical protein (369 nt)	281	104	0
PITG_14602 | Pi conserved hypothetical protein (3807 nt)	3	13	0
PITG_14603 | Pi carbohydrate-binding protein, putative (1596 nt)	9	14	0
PITG_14604 | Pi hypothetical protein (571 nt)	101	150	6
PITG_14605 | Pi conserved hypothetical protein (1100 nt)	65	59	0
PITG_14606 | Pi conserved hypothetical protein (705 nt)	2	17	0
PITG_14607 | Pi conserved hypothetical protein (1089 nt)	0	0	0
PITG_14608 | Pi 39S ribosomal protein L24, mitochondrial, putative (1089 nt)	18	19	1
PITG_14609 | Pi eukaryotic translation initiation factor 2 subunit beta (1089 nt)	80	64	3
PITG_14611 | Pi conserved hypothetical protein (366 nt)	4	15	0
PITG_14612 | Pi NADH dehydrogenase iron-sulfur protein 8, mitochondrial (366 nt)	160	115	7
PITG_14613 | Pi conserved hypothetical protein (1019 nt)	9	2	0
PITG_14614 | Pi tubulin-specific chaperone C, putative (1365 nt)	3	18	0
PITG_14615 | Pi conserved hypothetical protein (468 nt)	61	154	3
PITG_14616 | Pi conserved hypothetical protein (654 nt)	5	18	0
PITG_14617 | Pi conserved hypothetical protein (2167 nt)	5	15	0
PITG_14619 | Pi conserved hypothetical protein (859 nt)	46	41	0
PITG_14620 | Pi FKBP-type peptidyl-prolyl cis-trans isomerase, putative (859 nt)	5	0	0
PITG_14621 | Pi conserved hypothetical protein (414 nt)	2	11	0

PITG_14623	Pi mediator of RNA polymerase II transcription subunit	23	42	0
PITG_14624	Pi conserved hypothetical protein (801 nt)	4	1	0
PITG_14625	Pi methylosome protein 50, putative (998 nt)	2	10	0
PITG_14626	Pi dual specificity tyrosine-phosphorylation-regulated k	29	61	0
PITG_14632	Pi conserved hypothetical protein (1024 nt)	399	1020	2
PITG_14633	Pi conserved hypothetical protein (943 nt)	12	3	0
PITG_14634	Pi 1-(5-phosphoribosyl)-5-[(5-phosphoribosylamino)me	79	56	0
PITG_14635	Pi sporangia induced hypothetical protein (1302 nt)	3	5	0
PITG_14636	Pi COP9 signalosome complex subunit, putative (978 nt)	66	44	0
PITG_14637	Pi conserved hypothetical protein (2003 nt)	23	46	0
PITG_14639	Pi aminotransferase, putative (1949 nt)	5	13	2
PITG_14640	Pi conserved hypothetical protein (3660 nt)	5	20	0
PITG_14641	Pi glutathione peroxidase, putative (973 nt)	25	15	0
PITG_14642	Pi GDP-L-fucose synthetase (963 nt)	12	10	0
PITG_14643	Pi conserved hypothetical protein (385 nt)	4	10	0
PITG_14652	Pi conserved hypothetical protein (2239 nt)	7	7	0
PITG_14654	Pi conserved hypothetical protein (558 nt)	0	17	0
PITG_14656	Pi conserved hypothetical protein (2994 nt)	0	11	0
PITG_14657	Pi tubulin-specific chaperone E, putative (1808 nt)	3	36	0
PITG_14663	Pi conserved hypothetical protein (533 nt)	5	1	0
PITG_14669	Pi phospholipase A2, putative (938 nt)	113	90	0
PITG_14675	Pi conserved hypothetical protein (1113 nt)	2	16	0
PITG_14683	Pi conserved hypothetical protein (1460 nt)	6	0	0
PITG_14691	Pi hypothetical protein (2751 nt)	88	10	0
PITG_14692	Pi conserved hypothetical protein (455 nt)	9	44	0
PITG_14695	Pi conserved hypothetical protein (1320 nt)	3	11	0
PITG_14696	Pi serine hydroxymethyltransferase 1, mitochondrial pi	15	38	41
PITG_14697	Pi cystathionine beta-synthase (1831 nt)	4	38	0
PITG_14698	Pi conserved hypothetical protein (1683 nt)	3	15	0
PITG_14699	Pi phosphatidylserine synthase, putative (1546 nt)	1	22	0
PITG_14702	Pi conserved hypothetical protein (384 nt)	5	7	0
PITG_14703	Pi calcium-dependent protein kinase, putative (1977 nt)	0	17	0
PITG_14704	Pi conserved hypothetical protein (804 nt)	1	24	0
PITG_14707	Pi SNF1-related protein kinase catalytic subunit alpha, i	9	36	0
PITG_14709	Pi conserved hypothetical protein (572 nt)	2	13	0
PITG_14712	Pi cell division protease ftsH (1401 nt)	5	20	0
PITG_14714	Pi hypothetical protein (670 nt)	5	22	0
PITG_14716	Pi conserved hypothetical protein (841 nt)	2	67	0
PITG_14717	Pi conserved hypothetical protein (3989 nt)	11	25	0
PITG_14720	Pi aldose 1-epimerase, putative (963 nt)	0	0	3
PITG_14722	Pi 12-oxophytodienoate reductase, putative (1155 nt)	35	60	0
PITG_14723	Pi conserved hypothetical protein (1040 nt)	55	235	0
PITG_14724	Pi hypothetical protein (279 nt)	27	31	0
PITG_14726	Pi hypothetical protein (1975 nt)	0	0	0
PITG_14727	Pi callose synthase, putative (6687 nt)	10	171	1
PITG_14728	Pi conserved hypothetical protein (1368 nt)	13	36	0
PITG_14729	Pi 30S ribosomal protein S16, putative (494 nt)	15	28	2

PITG_14730	Pi nucleolar protein, putative (2642 nt)	3	10	0
PITG_14731	Pi conserved hypothetical protein (2188 nt)	19	23	0
PITG_14739	Pi PexRD8 family secreted RxLR effector peptide, putative	99	152	10
PITG_14740	Pi conserved hypothetical protein (1719 nt)	0	0	0
PITG_14743	Pi conserved hypothetical protein (4802 nt)	3	83	0
PITG_14744	Pi conserved hypothetical protein (1670 nt)	1	11	0
PITG_14746	Pi conserved hypothetical protein (867 nt)	1	10	0
PITG_14747	Pi conserved hypothetical protein (2999 nt)	14	70	0
PITG_14750	Pi conserved hypothetical protein (1760 nt)	2	21	0
PITG_14751	Pi conserved hypothetical protein (1574 nt)	7	87	0
PITG_14757	Pi conserved hypothetical protein (3006 nt)	1	11	0
PITG_14765	Pi GPI ethanolamine phosphate transferase, putative (2642 nt)	1	13	0
PITG_14766	Pi conserved hypothetical protein (775 nt)	16	25	0
PITG_14768	Pi conserved hypothetical protein (848 nt)	15	43	0
PITG_14770	Pi conserved hypothetical protein (1513 nt)	8	24	0
PITG_14792	Pi conserved hypothetical protein (2590 nt)	17	40	0
PITG_14806	Pi trafficking protein particle complex subunit, putative (2642 nt)	17	40	0
PITG_14807	Pi tubulin gamma chain (1401 nt)	7	9	0
PITG_14808	Pi ferrochelatase, mitochondrial precursor (1340 nt)	9	20	0
PITG_14812	Pi conserved hypothetical protein (809 nt)	16	22	0
PITG_14816	Pi conserved hypothetical protein (1632 nt)	22	35	0
PITG_14818	Pi guanylate-binding protein, putative (1890 nt)	3	26	0
PITG_14822	Pi conserved hypothetical protein (2339 nt)	5	6	0
PITG_14829	Pi conserved hypothetical protein (649 nt)	0	53	0
PITG_14831	Pi conserved hypothetical protein (1281 nt)	20	32	1
PITG_14832	Pi hypothetical protein (809 nt)	0	1	0
PITG_14833	Pi conserved hypothetical protein (1892 nt)	9	71	0
PITG_14835	Pi conserved hypothetical protein (2160 nt)	18	42	0
PITG_14836	Pi conserved hypothetical protein (1128 nt)	0	15	0
PITG_14840	Pi conserved hypothetical protein (2958 nt)	0	0	0
PITG_14845	Pi conserved hypothetical protein (2881 nt)	0	17	0
PITG_14847	Pi conserved hypothetical protein (943 nt)	13	18	0
PITG_14850	Pi 40S ribosomal protein S7 (909 nt)	373	370	39
PITG_14851	Pi hypothetical protein (400 nt)	5	15	0
PITG_14852	Pi lipoic acid synthetase, mitochondrial precursor (1242 nt)	5	17	0
PITG_14853	Pi exosome complex exonuclease MTR3-like protein (809 nt)	17	27	0
PITG_14854	Pi signal recognition particle, putative (1843 nt)	6	28	0
PITG_14855	Pi conserved hypothetical protein (426 nt)	132	65	0
PITG_14861	Pi conserved hypothetical protein (1617 nt)	5	84	0
PITG_14862	Pi conserved hypothetical protein (1476 nt)	1	60	0
PITG_14863	Pi NADH-ubiquinone oxidoreductase, putative (1508 nt)	9	24	0
PITG_14868	Pi hypothetical protein (1766 nt)	9	2	0
PITG_14874	Pi 6 snRNA-associated Sm-like protein, putative (900 nt)	12	41	0
PITG_14885	Pi DNA-directed RNA polymerase II 19 kDa polypeptide	39	35	3
PITG_14886	Pi conserved hypothetical protein (888 nt)	3	9	0
PITG_14887	Pi conserved hypothetical protein (7911 nt)	0	12	0
PITG_14888	Pi conserved hypothetical protein (707 nt)	18	49	0

PITG_14898 | Pi conserved hypothetical protein (1830 nt)	7	23	0
PITG_14905 | Pi conserved hypothetical protein (1760 nt)	7	0	0
PITG_14908 | Pi bzip controlled hypothetical protein (631 nt)	1	0	0
PITG_14909 | Pi conserved hypothetical protein (761 nt)	163	55	0
PITG_14910 | Pi conserved hypothetical protein (2328 nt)	95	68	1
PITG_14911 | Pi mitochondrial folate transporter/carrier, putative (1:	15	9	0
PITG_14913 | Pi 40S ribosomal protein S16 (1118 nt)	422	444	64
PITG_14914 | Pi conserved hypothetical protein (710 nt)	13	26	0
PITG_14916 | Pi conserved hypothetical protein (705 nt)	13	14	0
PITG_14917 | Pi thioredoxin-like protein (2028 nt)	55	49	0
PITG_14918 | Pi riboflavin biosynthesis protein ribBA, putative (1193	1	12	0
PITG_14919 | Pi transmembrane protein, putative (1650 nt)	7	29	0
PITG_14921 | Pi conserved hypothetical protein (676 nt)	11	11	0
PITG_14922 | Pi conserved hypothetical protein (1532 nt)	0	12	0
PITG_14923 | Pi conserved hypothetical protein (2970 nt)	3	42	0
PITG_14924 | Pi conserved hypothetical protein (524 nt)	109	32	0
PITG_14925 | Pi conserved hypothetical protein (1667 nt)	9	23	0
PITG_14934 | Pi conserved hypothetical protein (1359 nt)	1	11	0
PITG_14935 | Pi Mitochondrial Carrier (MC) Family (1582 nt)	14	29	1
PITG_14936 | Pi ATP synthase subunit gamma, putative (1115 nt)	66	228	26
PITG_14937 | Pi conserved hypothetical protein (2201 nt)	3	6	0
PITG_14938 | Pi conserved hypothetical protein (474 nt)	1	0	0
PITG_14939 | Pi glucosidase, putative (1728 nt)	16	63	2
PITG_14941 | Pi conserved hypothetical protein (1344 nt)	14	46	2
PITG_14944 | Pi conserved hypothetical protein (1707 nt)	10	20	0
PITG_14945 | Pi conserved hypothetical protein (806 nt)	1	5	0
PITG_14946 | Pi conserved hypothetical protein (1047 nt)	3	3	0
PITG_14947 | Pi conserved hypothetical protein (835 nt)	1	7	0
PITG_14948 | Pi conserved hypothetical protein (535 nt)	3	16	0
PITG_14949 | Pi conserved hypothetical protein (1160 nt)	37	100	0
PITG_14950 | Pi conserved hypothetical protein (456 nt)	34	19	0
PITG_14951 | Pi conserved hypothetical protein (3676 nt)	5	6	0
PITG_14967 | Pi conserved hypothetical protein (844 nt)	24	97	0
PITG_14968 | Pi cAMP-dependent protein kinase catalytic subunit alq	9	129	0
PITG_14970 | Pi protein kinase, putative (2617 nt)	65	175	0
PITG_14972 | Pi protein kinase, putative (2515 nt)	6	7	0
PITG_14973 | Pi conserved hypothetical protein (2286 nt)	3	11	0
PITG_14975 | Pi acetoacetyl-coenzyme A synthetase (2821 nt)	7	37	0
PITG_14976 | Pi pyridoxal phosphate phosphatase, putative (2429 nt	0	15	0
PITG_14977 | Pi conserved hypothetical protein (2240 nt)	2	15	0
PITG_14978 | Pi dolichyl-phosphate beta-glucosyltransferase, putativ	1	13	0
PITG_14979 | Pi palmitoyltransferase, putative (1047 nt)	7	18	0
PITG_14980 | Pi conserved hypothetical protein (1487 nt)	1	8	0
PITG_14987 | Pi conserved hypothetical protein (510 nt)	7	30	0
PITG_14988 | Pi prefoldin subunit, putative (546 nt)	17	18	0
PITG_14989 | Pi conserved hypothetical protein (333 nt)	46	72	0
PITG_14991 | Pi peroxisomal targeting signal 2 receptor, putative (22	35	22	0

PITG_14992 | Pi protein kinase, putative (3270 nt)	1	20	0
PITG_14993 | Pi protein-L-isoaspartate O-methyltransferase, putative	112	6	0
PITG_14994 | Pi conserved hypothetical protein (821 nt)	5	12	0
PITG_14995 | Pi conserved hypothetical protein (687 nt)	20	55	0
PITG_14999 | Pi hypothetical protein (1256 nt)	0	0	0
PITG_15006 | Pi ATP-binding Cassette (ABC) Superfamily (2610 nt)	19	44	2
PITG_15011 | Pi hypothetical protein (1329 nt)	1	7	0
PITG_15016 | Pi conserved hypothetical protein (1338 nt)	7	18	0
PITG_15017 | Pi protein phosphatase 2C, putative (1689 nt)	2	10	0
PITG_15021 | Pi conserved hypothetical protein (899 nt)	0	0	0
PITG_15022 | Pi conserved hypothetical protein (1507 nt)	5	17	0
PITG_15026 | Pi importin-like protein (3656 nt)	0	13	0
PITG_15033 | Pi choline dehydrogenase, putative (1825 nt)	3	3	0
PITG_15039 | Pi secreted RxLR effector peptide, putative (1518 nt)	3	29	0
PITG_15041 | Pi conserved hypothetical protein (651 nt)	0	0	0
PITG_15042 | Pi sporangia-induced kinesin-like protein (1308 nt)	0	1	0
PITG_15045 | Pi trans-2-enoyl-CoA reductase, putative (1309 nt)	21	90	9
PITG_15046 | Pi conserved hypothetical protein (775 nt)	5	13	0
PITG_15047 | Pi conserved hypothetical protein (2076 nt)	0	0	0
PITG_15050 | Pi conserved hypothetical protein (1959 nt)	2	5	0
PITG_15052 | Pi conserved hypothetical protein (1236 nt)	1	1	1
PITG_15053 | Pi DNA replication licensing factor MCM6, putative (28	3	16	0
PITG_15055 | Pi conserved hypothetical protein (945 nt)	98	409	0
PITG_15057 | Pi cysteine desulfurase 1, mitochondrial precursor (158	8	36	0
PITG_15058 | Pi transmembrane protein, putative (4373 nt)	2	28	0
PITG_15060 | Pi conserved hypothetical protein (3840 nt)	5	25	0
PITG_15062 | Pi conserved hypothetical protein (3901 nt)	2	30	0
PITG_15063 | Pi conserved hypothetical protein (410 nt)	25	58	0
PITG_15065 | Pi conserved hypothetical protein (1365 nt)	8	19	0
PITG_15067 | Pi conserved hypothetical protein (1969 nt)	8	22	0
PITG_15069 | Pi conserved hypothetical protein (1006 nt)	69	336	165
PITG_15071 | Pi conserved hypothetical protein (1382 nt)	5	45	0
PITG_15072 | Pi serine protease family S33, putative (1449 nt)	3	19	0
PITG_15075 | Pi Major Facilitator Superfamily (MFS) (2391 nt)	1	17	0
PITG_15076 | Pi methylmalonate semialdehyde dehydrogenase [acyl	5	82	0
PITG_15077 | Pi serine protease family S33, putative (1402 nt)	4	25	0
PITG_15079 | Pi conserved hypothetical protein (818 nt)	5	23	0
PITG_15085 | Pi conserved hypothetical protein (1043 nt)	1	11	0
PITG_15089 | Pi ribosomal protein S6 kinase, putative (2109 nt)	8	35	0
PITG_15090 | Pi 50S ribosomal protein L11 (435 nt)	10	32	1
PITG_15091 | Pi conserved hypothetical protein (1136 nt)	4	13	0
PITG_15097 | Pi conserved hypothetical protein (1695 nt)	5	15	0
PITG_15100 | Pi histidine ammonia-lyase (1846 nt)	67	71	0
PITG_15101 | Pi conserved hypothetical protein (665 nt)	1	24	0
PITG_15116 | Pi Multidrug/Oligosaccharidyl-lipid/Polysaccharide (MC	29	62	0
PITG_15117 | Pi actin-like protein (1384 nt)	85	627	147
PITG_15118 | Pi actin-like protein (578 nt)	530	1454	141

PITG_15119	Pi Multidrug/Oligosaccharidyl-lipid/Polysaccharide (MC	3	13	0
PITG_15120	Pi Multidrug/Oligosaccharidyl-lipid/Polysaccharide (MC	1	22	0
PITG_15124	Pi Multidrug/Oligosaccharidyl-lipid/Polysaccharide (MC	4	30	0
PITG_15129	Pi conserved hypothetical protein (1772 nt)	12	2	0
PITG_15133	Pi conserved hypothetical protein (1393 nt)	10	2	0
PITG_15134	Pi conserved hypothetical protein (865 nt)	13	100	0
PITG_15137	Pi hypothetical protein (530 nt)	21	17	0
PITG_15138	Pi conserved hypothetical protein (1231 nt)	44	98	0
PITG_15139	Pi phospholipid-transporting ATPase, putative (4176 nt	0	11	0
PITG_15140	Pi conserved hypothetical protein (3796 nt)	0	24	0
PITG_15141	Pi conserved hypothetical protein (2175 nt)	1	17	0
PITG_15146	Pi conserved hypothetical protein (1896 nt)	17	24	0
PITG_15149	Pi conserved hypothetical protein (2030 nt)	24	115	0
PITG_15150	Pi chaperone clpB (1245 nt)	166	43	0
PITG_15151	Pi conserved hypothetical protein (423 nt)	49	25	0
PITG_15152	Pi secreted RxLR effector peptide, putative (2283 nt)	2	13	0
PITG_15154	Pi conserved hypothetical protein (1444 nt)	11	62	0
PITG_15155	Pi conserved hypothetical protein (1255 nt)	13	94	0
PITG_15162	Pi secreted RxLR effector peptide, putative (510 nt)	73	10	0
PITG_15164	Pi conserved hypothetical protein (2019 nt)	8	16	0
PITG_15166	Pi secreted RxLR effector peptide, putative (519 nt)	238	12	0
PITG_15167	Pi hypothetical protein (1374 nt)	1	24	0
PITG_15173	Pi conserved hypothetical protein (2982 nt)	2	25	0
PITG_15175	Pi conserved hypothetical protein (1117 nt)	1	7	0
PITG_15190	Pi conserved hypothetical protein (973 nt)	93	0	0
PITG_15191	Pi conserved hypothetical protein (990 nt)	8	22	0
PITG_15194	Pi Solute:Sodium Symporter (SSS) Family (1223 nt)	42	181	0
PITG_15195	Pi conserved hypothetical protein (2239 nt)	11	96	0
PITG_15196	Pi conserved hypothetical protein (1493 nt)	3	9	0
PITG_15197	Pi hypothetical protein (1477 nt)	251	39	0
PITG_15207	Pi conserved hypothetical protein (3197 nt)	0	11	0
PITG_15212	Pi conserved hypothetical protein (836 nt)	10	545	0
PITG_15214	Pi conserved hypothetical protein (1016 nt)	0	0	0
PITG_15216	Pi S-phase kinase-associated protein 1A (615 nt)	9	63	0
PITG_15217	Pi ribonuclease, putative (1123 nt)	2	13	0
PITG_15223	Pi conserved hypothetical protein (3428 nt)	1	9	0
PITG_15228	Pi transmembrane protein, putative (2191 nt)	4	36	0
PITG_15229	Pi conserved hypothetical protein (991 nt)	53	87	0
PITG_15235	Pi secreted RxLR effector peptide, putative (552 nt)	59	0	1
PITG_15240	Pi conserved hypothetical protein (2706 nt)	5	10	0
PITG_15241	Pi conserved hypothetical protein (2148 nt)	4	0	0
PITG_15242	Pi phosphate acetyltransferase (2448 nt)	10	22	0
PITG_15243	Pi phosphate acetyltransferase (2356 nt)	6	21	0
PITG_15244	Pi ATP-binding Cassette (ABC) Superfamily (4052 nt)	0	0	0
PITG_15247	Pi conserved hypothetical protein (567 nt)	5	34	0
PITG_15248	Pi catalase (1694 nt)	20	135	0
PITG_15249	Pi conserved hypothetical protein (788 nt)	14	16	0

PITG_15250	Pi conserved hypothetical protein (672 nt)	10	43	2
PITG_15251	Pi conserved hypothetical protein (1309 nt)	11	33	0
PITG_15252	Pi conserved hypothetical protein (1635 nt)	0	14	0
PITG_15253	Pi ATP-binding Cassette (ABC) Superfamily (1364 nt)	0	0	0
PITG_15254	Pi conserved hypothetical protein (426 nt)	0	5	0
PITG_15257	Pi conserved hypothetical protein (1148 nt)	0	14	0
PITG_15258	Pi conserved hypothetical protein (2840 nt)	0	13	0
PITG_15262	Pi conserved hypothetical protein (2010 nt)	6	0	0
PITG_15264	Pi transmembrane protein, putative (1623 nt)	0	0	0
PITG_15267	Pi phospholipid-transporting ATPase, putative (5630 nt)	2	20	0
PITG_15268	Pi conserved hypothetical protein (633 nt)	15	223	0
PITG_15269	Pi conserved hypothetical protein (700 nt)	6	102	0
PITG_15270	Pi conserved hypothetical protein (788 nt)	14	100	0
PITG_15280	Pi conserved hypothetical protein (3074 nt)	5	41	0
PITG_15281	Pi cell differentiation protein rcd1 (2005 nt)	12	39	0
PITG_15290	Pi IQ and AAA domain-containing protein, putative (28:	3	2	0
PITG_15292	Pi catalase (1541 nt)	4	14	0
PITG_15293	Pi conserved hypothetical protein (1851 nt)	1	11	0
PITG_15294	Pi histidinol dehydrogenase, putative (1676 nt)	3	23	0
PITG_15301	Pi protein kinase (929 nt)	23	50	0
PITG_15309	Pi DNA mismatch repair protein mutS, putative (3242 r	1	19	0
PITG_15310	Pi actin-like protein (1413 nt)	2	19	0
PITG_15311	Pi hypothetical protein (2765 nt)	13	74	0
PITG_15319	Pi Voltage-gated Ion Channel (VIC) Superfamily (4882 n	0	1	0
PITG_15320	Pi Voltage-gated Ion Channel (VIC) Superfamily (2520 n	0	1	0
PITG_15321	Pi aminomethyltransferase (1298 nt)	3	18	4
PITG_15322	Pi conserved hypothetical protein (1048 nt)	2	12	0
PITG_15329	Pi conserved hypothetical protein (1104 nt)	8	26	0
PITG_15334	Pi hypothetical protein (436 nt)	0	1	0
PITG_15335	Pi thioredoxin/dynein outer arm protein (670 nt)	1	1	0
PITG_15336	Pi conserved hypothetical protein (639 nt)	0	2	0
PITG_15337	Pi secreted RxLR effector peptide, putative (501 nt)	0	0	0
PITG_15354	Pi hypothetical protein (362 nt)	7	43	0
PITG_15357	Pi conserved hypothetical protein (567 nt)	27	43	0
PITG_15358	Pi calreticulin precursor (1415 nt)	320	801	30
PITG_15359	Pi dihydrolipoyl dehydrogenase 1, mitochondrial precu	12	82	6
PITG_15360	Pi conserved hypothetical protein (542 nt)	8	32	0
PITG_15365	Pi conserved hypothetical protein (1466 nt)	53	85	0
PITG_15367	Pi Voltage-gated Ion Channel (VIC) Superfamily (1774 n	1	14	0
PITG_15373	Pi conserved hypothetical protein (637 nt)	0	12	0
PITG_15375	Pi conserved hypothetical protein (2035 nt)	4	0	0
PITG_15376	Pi conserved hypothetical protein (1641 nt)	0	1	0
PITG_15377	Pi conserved hypothetical protein (1667 nt)	5	102	2
PITG_15379	Pi conserved hypothetical protein (1531 nt)	0	11	0
PITG_15382	Pi alpha kinase (1681 nt)	3	26	0
PITG_15383	Pi thioredoxin-like protein (456 nt)	17	78	0
PITG_15384	Pi conserved hypothetical protein (351 nt)	6	54	0

PITG_15385	Pi hypothetical protein (354 nt)	8	11	0
PITG_15387	Pi conserved hypothetical protein (2150 nt)	5	13	0
PITG_15388	Pi phenol acid carboxylase, putative (771 nt)	18	61	25
PITG_15389	Pi hypothetical protein (238 nt)	0	11	0
PITG_15391	Pi conserved hypothetical protein (2923 nt)	3	10	0
PITG_15392	Pi leukotriene A-4 hydrolase-like protein (2013 nt)	4	54	1
PITG_15393	Pi eukaryotic translation initiation factor, putative (289 nt)	2	16	0
PITG_15394	Pi serine protease family S33, putative (984 nt)	10	30	0
PITG_15395	Pi conserved hypothetical protein (751 nt)	1	0	0
PITG_15398	Pi conserved hypothetical protein (2334 nt)	0	10	0
PITG_15406	Pi Amino Acid/Auxin Permease (AAAP) Family (1470 nt)	39	77	0
PITG_15407	Pi ribosomal protein L34 (647 nt)	1208	953	49
PITG_15408	Pi phosphatidylinositol kinase (PIK-L1) (9717 nt)	2	25	0
PITG_15409	Pi conserved hypothetical protein (1103 nt)	35	240	0
PITG_15410	Pi conserved hypothetical protein (1616 nt)	0	15	0
PITG_15411	Pi conserved hypothetical protein (1101 nt)	2	17	0
PITG_15414	Pi sporangia induced 28 kDa inner dynein arm light chain (1000 nt)	0	0	0
PITG_15416	Pi conserved hypothetical protein (627 nt)	33	81	0
PITG_15417	Pi asparagine synthetase domain-containing protein, putative (1000 nt)	8	11	0
PITG_15438	Pi conserved hypothetical protein (469 nt)	2	12	0
PITG_15440	Pi conserved hypothetical protein (222 nt)	7	20	0
PITG_15442	Pi transmembrane protein, putative (1282 nt)	24	75	0
PITG_15443	Pi conserved hypothetical protein (876 nt)	4	17	0
PITG_15444	Pi conserved hypothetical protein (2945 nt)	2	16	0
PITG_15445	Pi conserved hypothetical protein (1188 nt)	12	12	0
PITG_15446	Pi conserved hypothetical protein (559 nt)	1	13	0
PITG_15447	Pi conserved hypothetical protein (2972 nt)	3	16	0
PITG_15448	Pi conserved hypothetical protein (569 nt)	0	1	0
PITG_15449	Pi branched-chain-amino-acid aminotransferase (1312 nt)	37	136	10
PITG_15459	Pi GAF domain-containing protein (3303 nt)	0	0	0
PITG_15462	Pi GAF domain-containing protein (1812 nt)	0	11	0
PITG_15463	Pi lamin-like protein (1884 nt)	3	16	0
PITG_15466	Pi serine protease family S33, putative (1221 nt)	18	34	0
PITG_15467	Pi conserved hypothetical protein (1091 nt)	17	64	2
PITG_15470	Pi conserved hypothetical protein (1371 nt)	52	10	0
PITG_15471	Pi conserved hypothetical protein (2307 nt)	0	0	0
PITG_15473	Pi conserved hypothetical protein (1992 nt)	0	0	0
PITG_15476	Pi malate dehydrogenase (1245 nt)	96	553	5
PITG_15479	Pi conserved hypothetical protein (1362 nt)	5	6	0
PITG_15483	Pi putative GPI-anchored serine-threonine rich hypothetical protein (1000 nt)	140	255	0
PITG_15485	Pi conserved hypothetical protein (1711 nt)	22	52	0
PITG_15486	Pi general transcription factor IIH subunit, putative (1500 nt)	14	29	0
PITG_15491	Pi glutaredoxin (599 nt)	0	0	0
PITG_15492	Pi peroxiredoxin-2 (777 nt)	87	103	18
PITG_15493	Pi threonine aspartase, putative (1266 nt)	2	17	0
PITG_15494	Pi cytosine deaminase (438 nt)	25	11	0
PITG_15496	Pi acyl-CoA synthetase, putative (1889 nt)	6	29	0

PITG_15497	Pi conserved hypothetical protein (1797 nt)	18	13	0
PITG_15500	Pi conserved hypothetical protein (730 nt)	6	9	0
PITG_15502	Pi conserved hypothetical protein (894 nt)	5	61	0
PITG_15503	Pi conserved hypothetical protein (1359 nt)	60	86	0
PITG_15504	Pi thioredoxin peroxidase, putative (765 nt)	21	62	17
PITG_15505	Pi DNA polymerase epsilon catalytic subunit, putative (	0	13	0
PITG_15509	Pi SNF2 family helicase/ATPase and F-box protein, puta	2	12	0
PITG_15518	Pi conserved hypothetical protein (1535 nt)	22	45	0
PITG_15519	Pi conserved hypothetical protein (522 nt)	7	45	0
PITG_15525	Pi Rab21/Rab5 family GTPase, putative (747 nt)	67	87	0
PITG_15526	Pi ATP synthase subunit O, putative (696 nt)	64	220	24
PITG_15528	Pi hypothetical protein (242 nt)	4	29	0
PITG_15529	Pi exosome complex exonuclease RRP45-like protein (1	1	13	0
PITG_15531	Pi glutathione S-transferase, putative (1086 nt)	35	297	1
PITG_15534	Pi conserved hypothetical protein (905 nt)	14	8	0
PITG_15537	Pi conserved hypothetical protein (786 nt)	46	0	0
PITG_15538	Pi conserved hypothetical protein (1715 nt)	0	16	0
PITG_15539	Pi conserved hypothetical protein (1063 nt)	30	111	0
PITG_15540	Pi conserved hypothetical protein (522 nt)	6	31	0
PITG_15541	Pi conserved hypothetical protein (778 nt)	7	22	0
PITG_15542	Pi conserved hypothetical protein (805 nt)	7	52	0
PITG_15543	Pi conserved hypothetical protein (1270 nt)	3	33	0
PITG_15544	Pi conserved hypothetical protein (588 nt)	2	9	0
PITG_15547	Pi Amino Acid-Polyamine-Organocation (APC) Family (9	0	0	0
PITG_15549	Pi Mitochondrial Carrier (MC) Family (1028 nt)	1	5	0
PITG_15550	Pi conserved hypothetical protein (987 nt)	16	38	0
PITG_15551	Pi hypothetical protein (517 nt)	57	44	0
PITG_15552	Pi phosphatidylinositol-4-phosphate-5-kinase (PIPK-C) (	0	7	0
PITG_15553	Pi inorganic pyrophosphatase, putative (1909 nt)	9	115	3
PITG_15564	Pi conserved hypothetical protein (2655 nt)	2	20	0
PITG_15565	Pi conserved hypothetical protein (645 nt)	2	6	0
PITG_15566	Pi RNA polymerase I-specific transcription initiation fac	5	11	0
PITG_15567	Pi conserved hypothetical protein (1461 nt)	173	246	0
PITG_15568	Pi conserved hypothetical protein (824 nt)	45	102	5
PITG_15569	Pi calpain-like protease (2958 nt)	8	12	0
PITG_15570	Pi hypothetical protein (1060 nt)	2	10	0
PITG_15571	Pi Mitochondrial Carrier (MC) Family (1806 nt)	11	19	0
PITG_15572	Pi conserved hypothetical protein (2690 nt)	0	0	0
PITG_15573	Pi cytochrome b ascorbate-dependent protein, putativ	24	58	0
PITG_15576	Pi glycoside hydrolase, putative (911 nt)	0	0	0
PITG_15577	Pi hypothetical protein (1345 nt)	1	0	0
PITG_15582	Pi conserved hypothetical protein (9886 nt)	0	5	0
PITG_15593	Pi conserved hypothetical protein (887 nt)	8	38	0
PITG_15596	Pi protein kinase (1075 nt)	10	25	0
PITG_15602	Pi conserved hypothetical protein (1893 nt)	35	227	0
PITG_15603	Pi conserved hypothetical protein (1020 nt)	37	20	0
PITG_15605	Pi conserved hypothetical protein (1216 nt)	14	94	0

PITG_15607	| Pi conserved hypothetical protein (2897 nt)	1	19	0
PITG_15608	| Pi conserved hypothetical protein (1276 nt)	0	27	0
PITG_15609	| Pi conserved hypothetical protein (544 nt)	14	49	0
PITG_15611	| Pi protein kinase (900 nt)	7	8	2
PITG_15615	| Pi short/branched chain specific acyl-CoA dehydrogenase	121	373	0
PITG_15616	| Pi protein kinase (861 nt)	2	1	0
PITG_15619	| Pi protein kinase (957 nt)	7	39	0
PITG_15620	| Pi Voltage-gated Ion Channel (VIC) Superfamily (3285 nt)	0	3	0
PITG_15621	| Pi conserved hypothetical protein (2935 nt)	5	11	0
PITG_15623	| Pi nucampholin (2183 nt)	8	17	0
PITG_15625	| Pi dynein heavy chain (15033 nt)	0	14	0
PITG_15626	| Pi superoxide dismutase 2 (637 nt)	180	137	32
PITG_15627	| Pi conserved hypothetical protein (1153 nt)	8	60	0
PITG_15628	| Pi conserved hypothetical protein (1316 nt)	4	3	0
PITG_15629	| Pi conserved hypothetical protein (1197 nt)	3	39	0
PITG_15630	| Pi conserved hypothetical protein (558 nt)	23	94	0
PITG_15637	| Pi abnormal spindle-like microcephaly-associated protein	1	15	0
PITG_15638	| Pi conserved hypothetical protein (686 nt)	1383	673	51
PITG_15639	| Pi hypothetical protein (570 nt)	227	530	47
PITG_15640	| Pi peroxisomal 2,4-dienoyl-CoA reductase, putative (89 nt)	18	48	0
PITG_15641	| Pi conserved hypothetical protein (1283 nt)	14	26	0
PITG_15642	| Pi conserved hypothetical protein (1448 nt)	29	45	0
PITG_15644	| Pi glycoside hydrolase, putative (2049 nt)	1	18	0
PITG_15648	| Pi conserved hypothetical protein (1335 nt)	0	13	0
PITG_15649	| Pi Mitochondrial Carrier (MC) Family (840 nt)	26	15	0
PITG_15652	| Pi H/ACA ribonucleoprotein complex subunit, putative	12	28	0
PITG_15653	| Pi small nuclear ribonucleoprotein G (381 nt)	82	49	3
PITG_15654	| Pi conserved hypothetical protein (794 nt)	180	215	2
PITG_15655	| Pi conserved hypothetical protein (2621 nt)	1	0	0
PITG_15656	| Pi conserved hypothetical protein (598 nt)	187	96	0
PITG_15657	| Pi conserved hypothetical protein (616 nt)	14	42	1
PITG_15658	| Pi hypothetical protein (2142 nt)	0	22	0
PITG_15659	| Pi ribonucleoside-diphosphate reductase small chain (1 nt)	0	0	0
PITG_15660	| Pi mitochondrial carnitine/acylcarnitine carrier protein	382	114	0
PITG_15661	| Pi GMP reductase 2 (2054 nt)	25	34	0
PITG_15662	| Pi conserved hypothetical protein (1467 nt)	1	7	0
PITG_15666	| Pi conserved hypothetical protein (895 nt)	15	11	0
PITG_15669	| Pi conserved hypothetical protein (1362 nt)	2	22	0
PITG_15671	| Pi conserved hypothetical protein (306 nt)	28	33	0
PITG_15672	| Pi conserved hypothetical protein (1341 nt)	15	19	0
PITG_15677	| Pi conserved hypothetical protein (1168 nt)	0	11	0
PITG_15686	| Pi conserved hypothetical protein (1242 nt)	1	3	1
PITG_15687	| Pi conserved hypothetical protein (743 nt)	150	81	0
PITG_15688	| Pi conserved hypothetical protein (2067 nt)	5	32	2
PITG_15693	| Pi hypothetical protein (725 nt)	2	16	0
PITG_15694	| Pi dihydroorotase (1271 nt)	25	42	0
PITG_15695	| Pi conserved hypothetical protein (2460 nt)	14	29	0

PITG_15696	Pi TFIIF basal transcription factor complex helicase sub	7	21	0
PITG_15697	Pi 60S ribosomal protein L11, putative (880 nt)	400	536	63
PITG_15705	Pi dihydrolipoamide succinyltransferase, putative (173	10	31	1
PITG_15706	Pi conserved hypothetical protein (558 nt)	131	13	0
PITG_15711	Pi conserved hypothetical protein (693 nt)	2	20	0
PITG_15723	Pi 60S ribosomal protein L14, putative (718 nt)	1513	644	53
PITG_15727	Pi hypothetical protein (908 nt)	932	0	9
PITG_15731	Pi ATP-binding Cassette (ABC) Superfamily (4094 nt)	18	103	0
PITG_15735	Pi protein kinase, putative (3069 nt)	39	306	0
PITG_15736	Pi conserved hypothetical protein (812 nt)	1	20	0
PITG_15737	Pi conserved hypothetical protein (528 nt)	11	36	0
PITG_15738	Pi conserved hypothetical protein (965 nt)	9	52	0
PITG_15739	Pi protein MYG1 (1098 nt)	2	13	0
PITG_15744	Pi conserved hypothetical protein (1112 nt)	0	0	0
PITG_15745	Pi adhesin-like protein (2106 nt)	1	0	0
PITG_15746	Pi SCP-like extracellular protein, putative (1590 nt)	1	13	0
PITG_15748	Pi conserved hypothetical protein (1106 nt)	7	10	0
PITG_15749	Pi conserved hypothetical protein (1287 nt)	9	3	0
PITG_15755	Pi AP-3 complex subunit beta, putative (3254 nt)	4	24	0
PITG_15758	Pi conserved hypothetical protein (3908 nt)	0	0	0
PITG_15759	Pi conserved hypothetical protein (701 nt)	0	0	0
PITG_15761	Pi conserved hypothetical protein (1032 nt)	30	115	0
PITG_15762	Pi conserved hypothetical protein (2506 nt)	2	16	0
PITG_15771	Pi hsp70-like protein (2743 nt)	15	167	5
PITG_15774	Pi protein kinase (901 nt)	16	32	0
PITG_15776	Pi protein kinase, putative (867 nt)	9	68	0
PITG_15777	Pi protein kinase (924 nt)	3	7	0
PITG_15778	Pi diphosphomevalonate decarboxylase (1344 nt)	1	10	0
PITG_15779	Pi conserved hypothetical protein (4641 nt)	2	17	0
PITG_15780	Pi radial spoke protein 11 (405 nt)	15	16	0
PITG_15781	Pi WD domain-containing protein, putative (1246 nt)	36	39	0
PITG_15783	Pi conserved hypothetical protein (1379 nt)	15	19	0
PITG_15784	Pi polyadenylate-binding protein 2 (741 nt)	21	45	0
PITG_15785	Pi conserved hypothetical protein (1732 nt)	3	11	0
PITG_15786	Pi heat shock 70 kDa protein, mitochondrial precursor	75	140	7
PITG_15787	Pi conserved hypothetical protein (2141 nt)	53	86	0
PITG_15791	Pi glycoside hydrolase, putative (1428 nt)	3	27	0
PITG_15806	Pi conserved hypothetical protein (1643 nt)	2	23	0
PITG_15807	Pi conserved hypothetical protein (2721 nt)	4	43	0
PITG_15810	Pi eukaryotic translation initiation factor 3 subunit A, p	0	20	0
PITG_15817	Pi calpain-like protein (3729 nt)	4	22	0
PITG_15818	Pi conserved hypothetical protein (1282 nt)	28	25	0
PITG_15819	Pi glutamyl-tRNA(Gln) amidotransferase subunit A, put	4	23	0
PITG_15820	Pi conserved hypothetical protein (2086 nt)	21	58	0
PITG_15821	Pi conserved hypothetical protein (564 nt)	7	29	0
PITG_15830	Pi conserved hypothetical protein (651 nt)	10	75	0
PITG_15831	Pi 5-formyltetrahydrofolate cyclo-ligase, putative (931	16	75	0

PITG_15832	Pi conserved hypothetical protein (3253 nt)	12	9	0
PITG_15833	Pi conserved hypothetical protein (1646 nt)	8	60	0
PITG_15836	Pi hypothetical protein (1718 nt)	2	25	0
PITG_15837	Pi chromodomain protein, putative (3178 nt)	0	13	0
PITG_15838	Pi conserved hypothetical protein (1857 nt)	0	14	0
PITG_15839	Pi conserved hypothetical protein (1039 nt)	13	22	0
PITG_15843	Pi acyltransferase family (1479 nt)	0	11	1
PITG_15844	Pi conserved hypothetical protein (2118 nt)	1	21	0
PITG_15846	Pi conserved hypothetical protein (2814 nt)	35	295	0
PITG_15847	Pi conserved hypothetical protein (2463 nt)	2	9	0
PITG_15848	Pi conserved hypothetical protein (2917 nt)	6	41	0
PITG_15849	Pi hypothetical protein (264 nt)	0	0	0
PITG_15850	Pi glycine dehydrogenase, mitochondrial precursor (33	4	68	6
PITG_15851	Pi conserved hypothetical protein (1463 nt)	0	3	0
PITG_15852	Pi transmembrane protein, putative (1124 nt)	12	37	0
PITG_15855	Pi conserved hypothetical protein (4697 nt)	1	4	0
PITG_15856	Pi conserved hypothetical protein (1310 nt)	1	23	0
PITG_15857	Pi conserved hypothetical protein (654 nt)	20	6	0
PITG_15858	Pi conserved hypothetical protein (1103 nt)	0	3	0
PITG_15860	Pi hypothetical protein (985 nt)	2	12	0
PITG_15861	Pi conserved hypothetical protein (879 nt)	0	1	0
PITG_15862	Pi conserved hypothetical protein (927 nt)	0	7	0
PITG_15863	Pi conserved hypothetical protein (1556 nt)	72	312	2
PITG_15864	Pi conserved hypothetical protein (506 nt)	108	41	0
PITG_15865	Pi conserved hypothetical protein (1048 nt)	119	40	0
PITG_15866	Pi conserved hypothetical protein (1363 nt)	6	21	1
PITG_15867	Pi syntaxin-binding protein, putative (2129 nt)	0	5	0
PITG_15868	Pi DNA primase, putative (1617 nt)	5	12	0
PITG_15869	Pi conserved hypothetical protein (1387 nt)	1	14	0
PITG_15870	Pi conserved hypothetical protein (903 nt)	0	10	0
PITG_15871	Pi nucleolar protein, putative (2417 nt)	88	52	0
PITG_15872	Pi conserved hypothetical protein (898 nt)	53	158	0
PITG_15873	Pi NADH-cytochrome b5 reductase (1043 nt)	19	85	1
PITG_15874	Pi conserved hypothetical protein (2007 nt)	9	8	0
PITG_15875	Pi conserved hypothetical protein (2397 nt)	11	39	0
PITG_15876	Pi conserved hypothetical protein (953 nt)	3	13	0
PITG_15877	Pi conserved hypothetical protein (396 nt)	72	5	0
PITG_15878	Pi conserved hypothetical protein (701 nt)	12	0	0
PITG_15881	Pi peptide methionine sulfoxide reductase (494 nt)	10	67	0
PITG_15882	Pi alpha,alpha-trehalose-phosphate synthase (3076 nt)	1	12	0
PITG_15883	Pi myotubularin-like protein (3379 nt)	5	9	0
PITG_15884	Pi guanylate-binding protein, putative (2455 nt)	3	19	0
PITG_15885	Pi conserved hypothetical protein (1447 nt)	12	38	0
PITG_15889	Pi serine protease family S54, putative (1226 nt)	1	16	0
PITG_15890	Pi threonine protease family T01A, putative (858 nt)	35	162	9
PITG_15891	Pi palmitoyltransferase, putative (1557 nt)	7	20	0
PITG_15892	Pi calcium/calmodulin dependent protein kinase, putat	30	90	0

PITG_15900 | Pi ATP-binding Cassette (ABC) Superfamily (3873 nt)	1	2	0
PITG_15903 | Pi phosphoethanolamine N-methyltransferase (1532 nt)	1	19	2
PITG_15904 | Pi phosphoethanolamine N-methyltransferase, putative	25	176	3
PITG_15906 | Pi DNA repair protein RAD51 (1595 nt)	12	91	0
PITG_15908 | Pi conserved hypothetical protein (5365 nt)	0	1	0
PITG_15912 | Pi Glycoside-Pentoside-Hexuronide (GPH):Cation Symp	13	13	0
PITG_15916 | Pi hypothetical protein (1789 nt)	19	8	0
PITG_15920 | Pi conserved hypothetical protein (942 nt)	26	35	0
PITG_15921 | Pi hypothetical protein (663 nt)	2	43	0
PITG_15923 | Pi conserved hypothetical protein (889 nt)	5	10	1
PITG_15924 | Pi conserved hypothetical protein (1916 nt)	23	13	0
PITG_15925 | Pi conserved hypothetical protein (1834 nt)	23	18	0
PITG_15926 | Pi conserved hypothetical protein (1808 nt)	20	6	0
PITG_15927 | Pi conserved hypothetical protein (2096 nt)	16	46	0
PITG_15929 | Pi paladin-like protein (3014 nt)	3	12	0
PITG_15946 | Pi hypothetical protein (2795 nt)	1	11	0
PITG_15947 | Pi hypothetical protein (912 nt)	1	11	0
PITG_15948 | Pi serine protease family S33, putative (1622 nt)	0	2	0
PITG_15951 | Pi hypothetical protein (1263 nt)	5	39	0
PITG_15954 | Pi SNARE associated Golgi protein, putative (970 nt)	61	62	1
PITG_15955 | Pi epoxide hydrolase, putative (1375 nt)	5	34	0
PITG_15956 | Pi epoxide hydrolase, putative (1137 nt)	16	0	0
PITG_15957 | Pi serine protease family S33, putative (1008 nt)	4	45	0
PITG_15958 | Pi serine protease family S33, putative (1068 nt)	6	68	0
PITG_15959 | Pi conserved hypothetical protein (1483 nt)	7	47	0
PITG_15960 | Pi conserved hypothetical protein (2469 nt)	6	21	0
PITG_15961 | Pi conserved hypothetical protein (3683 nt)	19	25	0
PITG_15962 | Pi conserved hypothetical protein (1744 nt)	2	37	0
PITG_15963 | Pi conserved hypothetical protein (1521 nt)	3	0	0
PITG_15964 | Pi conserved hypothetical protein (1639 nt)	2	0	0
PITG_15967 | Pi dynein heavy chain, outer arm (14271 nt)	0	21	0
PITG_15968 | Pi mucin-like protein (3491 nt)	0	1	0
PITG_15969 | Pi conserved hypothetical protein (2656 nt)	2	6	0
PITG_15973 | Pi conserved hypothetical protein (1294 nt)	25	19	0
PITG_15980 | Pi glycoside hydrolase, putative (1332 nt)	3	12	0
PITG_15981 | Pi conserved hypothetical protein (1575 nt)	5	28	0
PITG_15982 | Pi histone-arginine methyltransferase, putative (1126 r	3	13	0
PITG_15983 | Pi conserved hypothetical protein (977 nt)	33	15	0
PITG_15985 | Pi hypothetical protein (1063 nt)	36	3	0
PITG_15994 | Pi conserved hypothetical protein (845 nt)	29	16	0
PITG_15996 | Pi hypothetical protein (656 nt)	6	35	0
PITG_15998 | Pi phospholipase A-2-activating protein, putative (2794	8	33	0
PITG_15999 | Pi conserved hypothetical protein (784 nt)	2	32	0
PITG_16001 | Pi regulator of chromosome condensation (RCC1), puta	0	5	0
PITG_16005 | Pi methylmalonate-semialdehyde dehydrogenase, mitc	257	690	17
PITG_16006 | Pi conserved hypothetical protein (1989 nt)	3	16	0
PITG_16008 | Pi 40S ribosomal protein S27-like protein (935 nt)	759	929	38

PITG_16009	Pi importin subunit alpha, putative (2553 nt)	15	40	0
PITG_16010	Pi conserved hypothetical protein (1197 nt)	4	13	0
PITG_16014	Pi conserved hypothetical protein (2154 nt)	1	11	0
PITG_16015	Pi ribonuclease, putative (1049 nt)	2	33	0
PITG_16016	Pi cytochrome oxidase assembly protein, putative (142	2	18	0
PITG_16017	Pi deoxyribose-phosphate aldolase (1144 nt)	0	11	0
PITG_16020	Pi conserved hypothetical protein (1670 nt)	11	23	0
PITG_16021	Pi conserved hypothetical protein (1775 nt)	79	574	1
PITG_16022	Pi conserved hypothetical protein (1078 nt)	4	13	0
PITG_16023	Pi transcription initiation factor TFIID subunit, putative	2	13	0
PITG_16024	Pi riboflavin synthase subunit alpha, putative (732 nt)	7	27	0
PITG_16026	Pi conserved hypothetical protein (1171 nt)	0	62	0
PITG_16031	Pi conserved hypothetical protein (1179 nt)	0	22	0
PITG_16036	Pi echinoderm microtubule-associated protein (7873 n	3	10	0
PITG_16037	Pi conserved hypothetical protein (393 nt)	1	10	0
PITG_16038	Pi conserved hypothetical protein (2034 nt)	10	31	0
PITG_16040	Pi conserved hypothetical protein (701 nt)	0	3	0
PITG_16041	Pi conserved hypothetical protein (1535 nt)	64	56	10
PITG_16042	Pi conserved hypothetical protein (1670 nt)	8	26	0
PITG_16043	Pi conserved hypothetical protein (1179 nt)	67	126	0
PITG_16044	Pi CRN domain-containing protein-containing protein (:	12	13	0
PITG_16048	Pi triosephosphate isomerase (843 nt)	34	46	3
PITG_16049	Pi conserved hypothetical protein (882 nt)	11	35	0
PITG_16050	Pi hypothetical protein (2981 nt)	3	10	0
PITG_16052	Pi Animal Inward Rectifier K Channel (IRK-C) Family (15	31	34	0
PITG_16053	Pi conserved hypothetical protein (1032 nt)	5	17	0
PITG_16054	Pi 60S ribosomal export protein nmd3, putative (1500	6	11	0
PITG_16055	Pi lysosomal Pro-X carboxypeptidase, putative (1710 nt	10	13	0
PITG_16056	Pi cyclin-dependent kinase-like, putative (1947 nt)	4	0	0
PITG_16057	Pi enolase-like protein, putative (1713 nt)	0	1	0
PITG_16058	Pi conserved hypothetical protein (10877 nt)	5	53	0
PITG_16061	Pi sodium/potassium-transporting ATPase subunit alph	0	2	0
PITG_16062	Pi conserved hypothetical protein (1547 nt)	5	11	0
PITG_16063	Pi conserved hypothetical protein (1501 nt)	15	69	0
PITG_16065	Pi conserved hypothetical protein (643 nt)	43	91	0
PITG_16066	Pi conserved hypothetical protein (978 nt)	3	14	0
PITG_16067	Pi conserved hypothetical protein (1236 nt)	6	25	0
PITG_16068	Pi conserved hypothetical protein (744 nt)	51	12	0
PITG_16069	Pi heat shock protein 101 (2853 nt)	422	156	0
PITG_16071	Pi prenyltransferase-like protein, putative (2267 nt)	23	35	0
PITG_16072	Pi conserved hypothetical protein (850 nt)	7	12	0
PITG_16073	Pi alcohol dehydrogenase, putative (1376 nt)	11	55	0
PITG_16074	Pi heat shock protein 101 (2766 nt)	653	223	0
PITG_16076	Pi glyoxylate/hydroxypyruvate reductase A, putative (1	2	20	0
PITG_16078	Pi conserved hypothetical protein (3849 nt)	2	20	0
PITG_16079	Pi conserved hypothetical protein (926 nt)	2	18	0
PITG_16081	Pi hypothetical protein (3123 nt)	27	18	0

PITG_16083	Pi glyoxylate/hydroxypyruvate reductase A, putative (1	8	7	1
PITG_16085	Pi conserved hypothetical protein (1283 nt)	26	19	0
PITG_16088	Pi conserved hypothetical protein (1690 nt)	1	14	0
PITG_16089	Pi conserved hypothetical protein (1434 nt)	3	3	0
PITG_16090	Pi conserved hypothetical protein (6724 nt)	0	13	0
PITG_16092	Pi Multidrug/Oligosaccharidyl-lipid/Polysaccharide (MC	0	2	0
PITG_16093	Pi conserved hypothetical protein (801 nt)	39	149	0
PITG_16094	Pi hypothetical protein (479 nt)	0	0	0
PITG_16097	Pi Monovalent Cation:Proton Antiporter-1 (CPA1) Fami	0	13	0
PITG_16098	Pi D-isomer specific 2-hydroxyacid dehydrogenase, put	6	22	0
PITG_16099	Pi conserved hypothetical protein (4496 nt)	0	1	0
PITG_16103	Pi Major Facilitator Superfamily (MFS) (1347 nt)	5	9	0
PITG_16104	Pi cryptochrome, putative (2154 nt)	4	9	0
PITG_16105	Pi conserved hypothetical protein (771 nt)	3	23	0
PITG_16107	Pi rRNA biogenesis protein rrp5 (5835 nt)	1	12	0
PITG_16111	Pi conserved hypothetical protein (1490 nt)	0	30	0
PITG_16112	Pi Intraflagellar Transport Protein 57 (1424 nt)	1	0	0
PITG_16113	Pi conserved hypothetical protein (1971 nt)	4	24	0
PITG_16114	Pi myb-like DNA-binding protein, putative (2249 nt)	14	39	0
PITG_16115	Pi conserved hypothetical protein (1116 nt)	2	10	0
PITG_16116	Pi conserved hypothetical protein (1453 nt)	4	27	0
PITG_16117	Pi conserved hypothetical protein (875 nt)	627	370	10
PITG_16118	Pi conserved hypothetical protein (2399 nt)	109	30	0
PITG_16120	Pi conserved hypothetical protein (756 nt)	12	92	0
PITG_16121	Pi conserved hypothetical protein (2156 nt)	3	24	0
PITG_16126	Pi Dicarboxylate/Amino Acid:Cation (Na or H) Sympor	7	31	1
PITG_16127	Pi conserved hypothetical protein (893 nt)	4	32	0
PITG_16128	Pi conserved hypothetical protein (1035 nt)	21	52	0
PITG_16129	Pi conserved hypothetical protein (560 nt)	1	21	0
PITG_16131	Pi conserved hypothetical protein (734 nt)	0	20	0
PITG_16132	Pi phosphatidylinositide phosphatase SAC1 (2322 nt)	1	15	0
PITG_16134	Pi conserved hypothetical protein (1265 nt)	0	12	0
PITG_16135	Pi conserved hypothetical protein (1432 nt)	1	8	3
PITG_16137	Pi conserved hypothetical protein (1581 nt)	11	20	0
PITG_16138	Pi exosome complex exonuclease RRP42-like protein (ε	2	8	0
PITG_16152	Pi conserved hypothetical protein (2635 nt)	2	11	0
PITG_16153	Pi conserved hypothetical protein (965 nt)	2	27	0
PITG_16156	Pi conserved hypothetical protein (1174 nt)	5	110	0
PITG_16161	Pi hypothetical protein (2019 nt)	15	285	0
PITG_16163	Pi conserved hypothetical protein (669 nt)	4	13	0
PITG_16178	Pi conserved hypothetical protein (3149 nt)	0	12	0
PITG_16179	Pi Rab3 GTPase-activating protein catalytic subunit, pu	3	21	0
PITG_16183	Pi adhesin-like protein (5735 nt)	10	41	0
PITG_16184	Pi protein kinase (1242 nt)	16	4	0
PITG_16190	Pi hypothetical protein (2274 nt)	0	0	0
PITG_16198	Pi 60S ribosomal protein L18a (1751 nt)	333	478	56
PITG_16199	Pi conserved hypothetical protein (1818 nt)	0	1	0

PITG_16200	Pi conserved hypothetical protein (1905 nt)	10	7	0
PITG_16203	Pi purine nucleoside phosphorylase 1 (1238 nt)	24	78	0
PITG_16204	Pi protein kinase (4683 nt)	0	40	0
PITG_16205	Pi conserved hypothetical protein (489 nt)	48	56	0
PITG_16206	Pi conserved hypothetical protein (651 nt)	12	9	4
PITG_16207	Pi pre-mRNA-splicing helicase BRR2, putative (6882 nt)	5	58	0
PITG_16208	Pi conserved hypothetical protein (1179 nt)	17	29	0
PITG_16209	Pi conserved hypothetical protein (1750 nt)	1	16	0
PITG_16210	Pi ubulin-tyrosine ligase-like protein (2111 nt)	4	36	0
PITG_16211	Pi conserved hypothetical protein (2250 nt)	5	36	0
PITG_16213	Pi protein kinase, putative (1315 nt)	0	5	0
PITG_16214	Pi inactive ubiquitin carboxyl-terminal hydrolase, putat	4	24	0
PITG_16221	Pi Crinkler (CRN) family protein (1982 nt)	77	85	0
PITG_16223	Pi conserved hypothetical protein (1095 nt)	2	12	0
PITG_16224	Pi conserved hypothetical protein (1772 nt)	3	17	0
PITG_16225	Pi HECT E3 ubiquitin ligase, putative (2427 nt)	1	13	0
PITG_16226	Pi conserved hypothetical protein (498 nt)	10	8	0
PITG_16227	Pi conserved hypothetical protein (456 nt)	9	14	0
PITG_16228	Pi conserved hypothetical protein (3169 nt)	19	40	0
PITG_16256	Pi conserved hypothetical protein (1489 nt)	0	27	0
PITG_16257	Pi conserved hypothetical protein (1794 nt)	15	44	0
PITG_16258	Pi hypothetical protein (522 nt)	0	7	0
PITG_16262	Pi hypothetical protein (1312 nt)	51	49	0
PITG_16263	Pi conserved hypothetical protein (929 nt)	8	9	0
PITG_16264	Pi conserved hypothetical protein (1408 nt)	22	20	0
PITG_16267	Pi Major Facilitator Superfamily (MFS) (1363 nt)	2	26	0
PITG_16268	Pi conserved hypothetical protein (1369 nt)	29	6	0
PITG_16269	Pi M96 mating-specific protein family (1527 nt)	5	13	0
PITG_16271	Pi M96 mating-specific protein family (1679 nt)	5	17	0
PITG_16272	Pi M96 mating-specific protein family (1792 nt)	15	71	0
PITG_16273	Pi M96 mating-specific protein family (1530 nt)	4	11	0
PITG_16274	Pi M96 mating-specific protein family (1200 nt)	15	179	0
PITG_16277	Pi conserved hypothetical protein (2222 nt)	14	19	0
PITG_16278	Pi conserved hypothetical protein (571 nt)	0	3	0
PITG_16280	Pi glutamate synthase, putative (3791 nt)	0	33	0
PITG_16298	Pi conserved hypothetical protein (2074 nt)	6	18	0
PITG_16299	Pi conserved hypothetical protein (2944 nt)	2	21	0
PITG_16309	Pi conserved hypothetical protein (931 nt)	2	20	0
PITG_16310	Pi conserved hypothetical protein (3710 nt)	6	4	0
PITG_16311	Pi ubiquitin family protein, putative (918 nt)	56	98	77
PITG_16312	Pi vacuolar protein sorting-associated protein 53 (2653	1	17	0
PITG_16315	Pi conserved hypothetical protein (783 nt)	6	6	0
PITG_16316	Pi conserved hypothetical protein (2640 nt)	4	11	0
PITG_16317	Pi regulator of microtubule dynamics protein, putative	5	15	0
PITG_16318	Pi transmembrane protein, putative (627 nt)	9	23	0
PITG_16319	Pi conserved hypothetical protein (791 nt)	0	11	0
PITG_16320	Pi conserved hypothetical protein (759 nt)	1	3	0

PITG_16321 | Pi conserved hypothetical protein (660 nt)	0	0	0
PITG_16322 | Pi conserved hypothetical protein (2059 nt)	11	89	0
PITG_16324 | Pi conserved hypothetical protein (1098 nt)	1	1	0
PITG_16326 | Pi calcineurin-like phosphoesterase (2862 nt)	3	16	0
PITG_16327 | Pi conserved hypothetical protein (707 nt)	2	31	0
PITG_16328 | Pi tyrosyl-tRNA synthetase, putative (2457 nt)	6	36	1
PITG_16329 | Pi conserved hypothetical protein (2573 nt)	19	48	0
PITG_16331 | Pi conserved hypothetical protein (1864 nt)	3	14	0
PITG_16332 | Pi conserved hypothetical protein (585 nt)	18	22	0
PITG_16333 | Pi ATP-dependent hsl protease ATP-binding subunit hsl	3	10	0
PITG_16334 | Pi conserved hypothetical protein (1007 nt)	1	14	0
PITG_16335 | Pi conserved hypothetical protein (856 nt)	16	32	0
PITG_16337 | Pi ribosomal RNA methyltransferase, putative (971 nt)	22	31	0
PITG_16338 | Pi conserved hypothetical protein (1409 nt)	59	79	0
PITG_16339 | Pi protein kinase, putative (1542 nt)	2	7	0
PITG_16340 | Pi conserved hypothetical protein (1657 nt)	4	9	0
PITG_16344 | Pi conserved hypothetical protein (2776 nt)	5	20	0
PITG_16345 | Pi conserved hypothetical protein (853 nt)	1	14	0
PITG_16346 | Pi conserved hypothetical protein (1339 nt)	11	25	0
PITG_16347 | Pi conserved hypothetical protein (1156 nt)	5	12	0
PITG_16348 | Pi crinkler (CRN) family protein, pseudogene (1519 nt)	20	93	0
PITG_16352 | Pi conserved hypothetical protein (1015 nt)	21	54	0
PITG_16353 | Pi conserved hypothetical protein (954 nt)	13	19	1
PITG_16354 | Pi conserved hypothetical protein (722 nt)	3	8	0
PITG_16358 | Pi RING Finger Ubiquitin ligase, putative (1245 nt)	9	27	0
PITG_16359 | Pi UTP-glucose-1-phosphate uridylyltransferase (1851 nt)	5	23	0
PITG_16360 | Pi lysosomal Pro-X carboxypeptidase, putative (1824 nt)	7	31	0
PITG_16363 | Pi hypothetical protein (1392 nt)	69	203	0
PITG_16364 | Pi conserved hypothetical protein (2133 nt)	4	30	0
PITG_16365 | Pi conserved hypothetical protein (5508 nt)	2	15	0
PITG_16366 | Pi conserved hypothetical protein (1368 nt)	54	105	5
PITG_16375 | Pi conserved hypothetical protein (624 nt)	5	20	0
PITG_16376 | Pi conserved hypothetical protein (2684 nt)	7	87	0
PITG_16378 | Pi conserved hypothetical protein (1377 nt)	7	20	0
PITG_16382 | Pi HAM34-like putative membrane protein, putative (3	5	9	0
PITG_16383 | Pi Major Facilitator Superfamily (MFS) (1536 nt)	3	0	0
PITG_16385 | Pi conserved hypothetical protein (1164 nt)	0	11	0
PITG_16386 | Pi Bola-like protein (541 nt)	24	16	0
PITG_16389 | Pi crinkler (CRN) family protein, pseudogene (1467 nt)	57	109	0
PITG_16392 | Pi conserved hypothetical protein (2654 nt)	0	2	0
PITG_16395 | Pi conserved hypothetical protein (2016 nt)	1	3	0
PITG_16400 | Pi conserved hypothetical protein (489 nt)	1	16	0
PITG_16406 | Pi conserved hypothetical protein (928 nt)	0	3	0
PITG_16429 | Pi conserved hypothetical protein (682 nt)	74	71	1
PITG_16430 | Pi conserved hypothetical protein (2730 nt)	1	16	0
PITG_16432 | Pi conserved hypothetical protein (1620 nt)	0	5	0
PITG_16433 | Pi conserved hypothetical protein (1541 nt)	31	59	0

PITG_16434 | Pi conserved hypothetical protein (2661 nt)	0	0	0
PITG_16439 | Pi conserved hypothetical protein (1453 nt)	13	117	0
PITG_16440 | Pi protein kinase (1479 nt)	0	17	0
PITG_16446 | Pi ribosomal protein S6 kinase, putative (2757 nt)	14	60	0
PITG_16448 | Pi hypothetical protein (1170 nt)	0	16	0
PITG_16452 | Pi hypothetical protein (351 nt)	6	7	0
PITG_16453 | Pi conserved hypothetical protein (2559 nt)	4	9	0
PITG_16455 | Pi conserved hypothetical protein (2559 nt)	4	12	0
PITG_16456 | Pi conserved hypothetical protein (2606 nt)	3	26	0
PITG_16458 | Pi conserved hypothetical protein (1230 nt)	61	50	0
PITG_16459 | Pi thyroid receptor-interacting protein 13 (1292 nt)	2	17	0
PITG_16461 | Pi protein kinase, putative (2618 nt)	1	18	0
PITG_16462 | Pi conserved hypothetical protein (3268 nt)	1	11	0
PITG_16464 | Pi Sulfate Permease (SulP) Family (2097 nt)	1	45	0
PITG_16465 | Pi conserved hypothetical protein (722 nt)	1	0	0
PITG_16466 | Pi sporulation induced hypothetical protein (863 nt)	0	0	0
PITG_16467 | Pi hypothetical protein (456 nt)	3	22	0
PITG_16468 | Pi conserved hypothetical protein (2126 nt)	8	28	0
PITG_16469 | Pi RMD5 family protein (2464 nt)	9	88	0
PITG_16472 | Pi kazal serine protease inhibitor PbraEPI2 (981 nt)	25	63	0
PITG_16473 | Pi serine protease family S08A, putative (1422 nt)	0	0	0
PITG_16474 | Pi conserved hypothetical protein (1283 nt)	11	33	0
PITG_16475 | Pi conserved hypothetical protein (524 nt)	5	5	0
PITG_16476 | Pi receptor kinase, putative (2197 nt)	2	13	0
PITG_16477 | Pi short-chain specific acyl-CoA dehydrogenase, mitoch	2	30	0
PITG_16478 | Pi acyl-CoA dehydrogenase, putative (2462 nt)	6	58	0
PITG_16479 | Pi putative alpha mannosyltransferase (1764 nt)	10	12	0
PITG_16483 | Pi conserved hypothetical protein (1136 nt)	0	3	0
PITG_16484 | Pi conserved hypothetical protein (927 nt)	25	7	0
PITG_16487 | Pi cell 5A endo-1,4-beta-glucanase, putative (1995 nt)	5	10	0
PITG_16491 | Pi conserved hypothetical protein (924 nt)	4	25	0
PITG_16492 | Pi conserved hypothetical protein (1126 nt)	9	19	0
PITG_16494 | Pi hypothetical protein (410 nt)	0	4	0
PITG_16495 | Pi conserved hypothetical protein (2508 nt)	3	16	0
PITG_16499 | Pi cytochrome P450, putative (1572 nt)	0	1	0
PITG_16506 | Pi conserved hypothetical protein (1704 nt)	0	15	0
PITG_16511 | Pi conserved hypothetical protein (4689 nt)	1	13	0
PITG_16512 | Pi conserved hypothetical protein (2003 nt)	3	8	0
PITG_16526 | Pi DNA-directed RNA polymerases III 12.5 kDa polypept	12	21	0
PITG_16527 | Pi bloom syndrome protein, DEAD/DEAH box helicase (	2	11	0
PITG_16528 | Pi hsp70-like protein (1904 nt)	0	18	0
PITG_16530 | Pi aspartyl-tRNA synthetase, putative (2382 nt)	3	18	0
PITG_16538 | Pi conserved hypothetical protein (991 nt)	4	18	0
PITG_16539 | Pi conserved hypothetical protein (501 nt)	10	0	0
PITG_16546 | Pi conserved hypothetical protein (1347 nt)	4	31	0
PITG_16553 | Pi conserved hypothetical protein (802 nt)	0	7	0
PITG_16555 | Pi GTP-binding protein, putative (1846 nt)	6	26	0

PITG_16556	Pi elongation factor Tu GTP-binding domain-containing	0	15	0
PITG_16557	Pi conserved hypothetical protein (1549 nt)	5	24	0
PITG_16559	Pi glycoside hydrolase, putative (2511 nt)	0	0	0
PITG_16562	Pi conserved hypothetical protein (1333 nt)	3	34	0
PITG_16563	Pi conserved hypothetical protein (902 nt)	13	21	0
PITG_16591	Pi Crinkler (CRN) family protein (2658 nt)	127	1185	3
PITG_16605	Pi Crinkler (CRN) family protein, pseudogene (2513 nt)	565	1144	3
PITG_16614	Pi Crinkler (CRN) family protein (1281 nt)	17	70	1
PITG_16628	Pi hypothetical protein (1281 nt)	12	20	0
PITG_16645	Pi conserved hypothetical protein (1371 nt)	3	24	0
PITG_16648	Pi conserved hypothetical protein (1191 nt)	12	72	0
PITG_16649	Pi chromosome transmission fidelity protein, putative (	3	15	0
PITG_16651	Pi conserved hypothetical protein (291 nt)	0	17	0
PITG_16664	Pi conserved hypothetical protein (682 nt)	2	0	0
PITG_16666	Pi conserved hypothetical protein (631 nt)	17	59	0
PITG_16668	Pi cyclin-like protein (1014 nt)	3	8	0
PITG_16669	Pi transcription factor IIIB, putative (2114 nt)	9	17	0
PITG_16670	Pi conserved hypothetical protein (661 nt)	116	118	2
PITG_16671	Pi 26S proteasome non-ATPase regulatory subunit 3 (1	22	44	1
PITG_16674	Pi conserved hypothetical protein (1474 nt)	3	1	0
PITG_16680	Pi conserved hypothetical protein (1514 nt)	46	30	0
PITG_16681	Pi conserved hypothetical protein (414 nt)	11	16	0
PITG_16682	Pi conserved hypothetical protein (798 nt)	4	16	0
PITG_16683	Pi transmembrane protein, putative (2070 nt)	9	1	0
PITG_16684	Pi transmembrane protein, putative (2148 nt)	35	1	0
PITG_16686	Pi conserved hypothetical protein (549 nt)	5	13	0
PITG_16687	Pi conserved hypothetical protein (614 nt)	68	58	0
PITG_16691	Pi DNA polymerase alpha/epsilon subunit B, putative (1	0	15	0
PITG_16695	Pi N-acetyltransferase 5 (813 nt)	5	15	0
PITG_16709	Pi conserved hypothetical protein (414 nt)	0	12	0
PITG_16710	Pi conserved hypothetical protein (2562 nt)	0	0	0
PITG_16719	Pi conserved hypothetical protein (701 nt)	4	16	0
PITG_16720	Pi conserved hypothetical protein (2485 nt)	6	32	0
PITG_16721	Pi conserved hypothetical protein (988 nt)	0	16	0
PITG_16722	Pi metalloprotease family M67A, putative (757 nt)	0	11	0
PITG_16724	Pi conserved hypothetical protein (887 nt)	0	8	0
PITG_16727	Pi conserved hypothetical protein (1484 nt)	0	0	0
PITG_16729	Pi acyltransferase family (1434 nt)	2	7	0
PITG_16731	Pi conserved hypothetical protein (609 nt)	52	153	0
PITG_16732	Pi conserved hypothetical protein (803 nt)	2	25	0
PITG_16733	Pi conserved hypothetical protein (1673 nt)	7	32	0
PITG_16734	Pi protein kinase (1372 nt)	1	11	0
PITG_16735	Pi conserved hypothetical protein (561 nt)	41	51	2
PITG_16736	Pi adenylosuccinate synthetase (1656 nt)	37	64	5
PITG_16740	Pi conserved hypothetical protein (1653 nt)	3	11	0
PITG_16741	Pi isoleucyl-tRNA synthetase (3159 nt)	0	16	0
PITG_16742	Pi conserved hypothetical protein (513 nt)	0	22	0

PITG_16745	Pi conserved hypothetical protein (786 nt)	3	39	0
PITG_16749	Pi hypothetical protein (1503 nt)	45	164	1
PITG_16757	Pi 40S ribosomal protein S15a (853 nt)	345	364	25
PITG_16760	Pi elongation of very long chain fatty acids protein, put	5	33	11
PITG_16764	Pi hypothetical protein (684 nt)	0	15	0
PITG_16766	Pi hypothetical protein (1349 nt)	50	84	0
PITG_16770	Pi conserved hypothetical protein (2520 nt)	8	13	0
PITG_16775	Pi conserved hypothetical protein (1307 nt)	4	20	0
PITG_16781	Pi hypothetical protein (706 nt)	4	7	0
PITG_16783	Pi conserved hypothetical protein (1201 nt)	0	6	0
PITG_16788	Pi conserved hypothetical protein (1197 nt)	12	13	0
PITG_16791	Pi conserved hypothetical protein (1066 nt)	8	26	0
PITG_16792	Pi nucleolar GTP-binding protein 2 (1589 nt)	5	7	0
PITG_16795	Pi conserved hypothetical protein (2033 nt)	4	11	0
PITG_16797	Pi tubulin-specific chaperone D, putative (4440 nt)	2	34	0
PITG_16798	Pi phospholipase D; Pi-TM-PLD (2713 nt)	19	51	0
PITG_16799	Pi inositol-3,4-bisphosphate 4-phosphatase, putative (3	2	25	0
PITG_16800	Pi conserved hypothetical protein (539 nt)	1	23	0
PITG_16801	Pi conserved hypothetical protein (4173 nt)	3	24	0
PITG_16804	Pi conserved hypothetical protein (1269 nt)	0	11	0
PITG_16806	Pi conserved hypothetical protein (707 nt)	20	78	0
PITG_16807	Pi 3-hydroxy-3-methylglutaryl-coenzyme A reductase, p	2	11	0
PITG_16808	Pi ATP-binding Cassette (ABC) Superfamily (3039 nt)	6	78	0
PITG_16809	Pi conserved hypothetical protein (2435 nt)	6	55	0
PITG_16810	Pi conserved hypothetical protein (1884 nt)	13	50	0
PITG_16812	Pi anaphase-promoting complex subunit 10 (692 nt)	10	31	0
PITG_16813	Pi Rio kinase (1437 nt)	4	11	0
PITG_16814	Pi conserved hypothetical protein (1704 nt)	14	56	0
PITG_16818	Pi conserved hypothetical protein (3006 nt)	2	15	0
PITG_16820	Pi conserved hypothetical protein (1218 nt)	1	16	0
PITG_16826	Pi conserved hypothetical protein (5579 nt)	8	47	0
PITG_16833	Pi conserved hypothetical protein (2406 nt)	13	74	1
PITG_16834	Pi exodeoxyribonuclease (1177 nt)	33	60	0
PITG_16840	Pi conserved hypothetical protein (405 nt)	0	4	0
PITG_16841	Pi conserved hypothetical protein (694 nt)	7	26	0
PITG_16842	Pi conserved hypothetical protein (696 nt)	0	18	0
PITG_16847	Pi conserved hypothetical protein (2167 nt)	0	24	0
PITG_16849	Pi hypothetical protein (713 nt)	13	178	0
PITG_16852	Pi hypothetical protein (297 nt)	1	84	0
PITG_16853	Pi conserved hypothetical protein (1845 nt)	3	1	0
PITG_16854	Pi conserved hypothetical protein (4617 nt)	18	53	0
PITG_16855	Pi conserved hypothetical protein (925 nt)	18	51	1
PITG_16856	Pi hypoxanthine-guanine phosphoribosyltransferase, p	0	16	0
PITG_16863	Pi conserved hypothetical protein (1302 nt)	4	16	0
PITG_16864	Pi conserved hypothetical protein (2664 nt)	4	38	0
PITG_16865	Pi aldose 1-epimerase, putative (1429 nt)	6	4	0
PITG_16871	Pi conserved hypothetical protein (1239 nt)	8	67	6

PITG_16878	Pi conserved hypothetical protein (562 nt)	3	32	0
PITG_16879	Pi conserved hypothetical protein (393 nt)	37	99	0
PITG_16884	Pi conserved hypothetical protein (1124 nt)	3	0	0
PITG_16887	Pi conserved hypothetical protein (2079 nt)	21	47	0
PITG_16890	Pi conserved hypothetical protein (1127 nt)	11	0	0
PITG_16893	Pi hypothetical protein (1418 nt)	6	23	0
PITG_16894	Pi hypothetical protein (1312 nt)	43	1270	2
PITG_16898	Pi hypothetical protein (426 nt)	15	26	0
PITG_16899	Pi conserved hypothetical protein (1404 nt)	2	13	0
PITG_16900	Pi cleft lip and palate transmembrane family protein (2	3	20	0
PITG_16903	Pi hypothetical protein (2596 nt)	0	10	0
PITG_16904	Pi protein kinase, putative (2597 nt)	7	38	0
PITG_16910	Pi ATP-binding Cassette (ABC) Superfamily (1875 nt)	0	12	0
PITG_16915	Pi elongation factor Tu (560 nt)	8	90	8
PITG_16916	Pi protein kinase, putative (1603 nt)	16	273	0
PITG_16917	Pi conserved hypothetical protein (1539 nt)	1	6	0
PITG_16918	Pi conserved hypothetical protein (2688 nt)	1	19	0
PITG_16920	Pi conserved hypothetical protein (1662 nt)	2	13	0
PITG_16921	Pi conserved hypothetical protein (867 nt)	769	1375	3
PITG_16922	Pi conserved hypothetical protein (961 nt)	4	40	0
PITG_16923	Pi hypothetical protein (415 nt)	18	6	0
PITG_16924	Pi conserved hypothetical protein (1645 nt)	7	19	0
PITG_16925	Pi hypothetical protein (582 nt)	124	1439	8
PITG_16928	Pi conserved hypothetical protein (824 nt)	0	24	0
PITG_16930	Pi carbohydrate esterase, putative (2711 nt)	6	39	0
PITG_16936	Pi conserved hypothetical protein (498 nt)	6	16	0
PITG_16937	Pi foflypolyglutamate synthase, putative (1720 nt)	5	16	0
PITG_16938	Pi conserved hypothetical protein (504 nt)	1	15	0
PITG_16939	Pi conserved hypothetical protein (2557 nt)	0	37	0
PITG_16940	Pi tRNA guanosine-2'-O-methyltransferase, putative (1	15	39	0
PITG_16942	Pi conserved hypothetical protein (919 nt)	8	3	0
PITG_16956	Pi transglutaminase elicitor, putative (2508 nt)	6	52	0
PITG_16958	Pi transglutaminase elicitor-like protein (1734 nt)	7	46	7
PITG_16959	Pi transglutaminase elicitor M81D (1759 nt)	0	0	25
PITG_16962	Pi hypothetical protein (615 nt)	4	13	0
PITG_16963	Pi transglutaminase elicitor M81C (2242 nt)	0	5	23
PITG_16966	Pi 2-oxoglutarate dehydrogenase E1 component, putat	13	72	3
PITG_16967	Pi cleavage induced hypothetical protein (2571 nt)	0	0	0
PITG_16968	Pi glucan 1,3-beta-glucosidase, putative (1377 nt)	0	50	0
PITG_16969	Pi conserved oligomeric Golgi complex subunit, putativ	4	64	0
PITG_16972	Pi conserved hypothetical protein (2086 nt)	0	25	0
PITG_16973	Pi dynein light chain (449 nt)	20	22	0
PITG_16974	Pi conserved hypothetical protein (738 nt)	4	16	0
PITG_16975	Pi hypothetical protein (491 nt)	5	17	0
PITG_16976	Pi conserved hypothetical protein (454 nt)	9	14	0
PITG_16977	Pi aurora-like protein kinase (1161 nt)	7	6	0
PITG_16978	Pi crossover junction endonuclease MUS81-like proteir	7	20	0

PITG_16981	Pi thrombospondin-like protein (7212 nt)	0	2	0
PITG_16983	Pi conserved hypothetical protein (1051 nt)	0	12	0
PITG_16984	Pi cellulose synthase 4 (3531 nt)	5	72	1
PITG_16999	Pi conserved hypothetical protein (734 nt)	184	3098	0
PITG_17000	Pi hypothetical protein (288 nt)	8	25	0
PITG_17001	Pi conserved hypothetical protein (913 nt)	4	10	0
PITG_17002	Pi conserved hypothetical protein (1054 nt)	1	2	0
PITG_17003	Pi choline/ethanolamine kinase, putative (1129 nt)	9	45	0
PITG_17004	Pi conserved hypothetical protein (3860 nt)	8	23	0
PITG_17005	Pi conserved hypothetical protein (1571 nt)	114	505	2
PITG_17006	Pi hypothetical protein (617 nt)	6	24	0
PITG_17007	Pi cellulose synthase catalytic subunit [UDP-forming], p	173	1177	17
PITG_17012	Pi conserved hypothetical protein (8696 nt)	21	57	0
PITG_17013	Pi conserved hypothetical protein (3313 nt)	117	147	5
PITG_17015	Pi conserved hypothetical protein (1119 nt)	7	8	0
PITG_17017	Pi hypothetical protein (969 nt)	0	0	0
PITG_17021	Pi conserved hypothetical protein (1563 nt)	16	25	0
PITG_17022	Pi UDP-N-acetylglucosamine-dolichyl-phosphate N-ace	5	19	0
PITG_17023	Pi phosphoglycerate/bisphosphoglycerate mutase (117	7	17	0
PITG_17026	Pi palmitoyltransferase, putative (2162 nt)	5	49	0
PITG_17027	Pi conserved hypothetical protein (679 nt)	0	0	0
PITG_17028	Pi conserved hypothetical protein (7224 nt)	3	33	0
PITG_17030	Pi conserved hypothetical protein (1248 nt)	9	21	0
PITG_17031	Pi conserved hypothetical protein (828 nt)	4	0	0
PITG_17032	Pi anthranilate phosphoribosyltransferase, putative (11	6	11	0
PITG_17033	Pi Annexin (Annexin) Family (987 nt)	130	2117	33
PITG_17034	Pi Annexin (Annexin) Family (987 nt)	136	1631	22
PITG_17035	Pi conserved hypothetical protein (1584 nt)	9	21	0
PITG_17036	Pi conserved hypothetical protein (1052 nt)	4	21	0
PITG_17037	Pi calcineurin-like phosphoesterase (1581 nt)	3	18	0
PITG_17039	Pi conserved hypothetical protein (492 nt)	4	29	0
PITG_17040	Pi cellulose binding elicitor lectin, putative (1143 nt)	8	11	0
PITG_17041	Pi cardiolipin synthetase, putative (1210 nt)	1	10	0
PITG_17042	Pi protein RER1A (736 nt)	15	65	0
PITG_17043	Pi conserved hypothetical protein (769 nt)	0	11	0
PITG_17045	Pi mannitol dehydrogenase, putative (2012 nt)	12	40	2
PITG_17047	Pi ATP-binding Cassette (ABC) Superfamily (1380 nt)	9	19	0
PITG_17049	Pi ATP-binding Cassette (ABC) Superfamily (5337 nt)	14	31	0
PITG_17053	Pi ATP-binding Cassette (ABC) Superfamily (3639 nt)	4	22	0
PITG_17055	Pi endo-1,4-beta-xylanase, putative (1422 nt)	0	0	0
PITG_17058	Pi ATP-binding Cassette (ABC) Superfamily (3267 nt)	0	17	0
PITG_17063	Pi secreted RxLR effector peptide, putative (483 nt)	3	3	1
PITG_17068	Pi conserved hypothetical protein (4224 nt)	1	19	0
PITG_17069	Pi coatomer protein complex, putative (3808 nt)	4	47	4
PITG_17070	Pi CCAAT-binding transcription factor, putative (752 nt)	0	11	0
PITG_17071	Pi malonyl-CoA decarboxylase (MCD), putative (2217 n	2	10	0
PITG_17072	Pi U4/U6 small nuclear ribonucleoprotein Prp4, putativ	2	13	0

PITG_17073	Pi conserved hypothetical protein (2050 nt)	1	0	0
PITG_17074	Pi 3-demethylubiquinone-9 3-methyltransferase, putat	7	30	0
PITG_17075	Pi conserved hypothetical protein (3325 nt)	6	40	0
PITG_17076	Pi conserved hypothetical protein (2557 nt)	7	43	0
PITG_17077	Pi conserved hypothetical protein (1026 nt)	6	18	0
PITG_17079	Pi conserved hypothetical protein (6370 nt)	1	7	0
PITG_17080	Pi Ca2 :Cation Antiporter (CaCA) Family (1904 nt)	2	14	0
PITG_17081	Pi Voltage-gated Ion Channel (VIC) Superfamily (2685 n	6	16	0
PITG_17088	Pi conserved hypothetical protein (1389 nt)	0	4	0
PITG_17089	Pi conserved hypothetical protein (706 nt)	2	28	0
PITG_17090	Pi conserved hypothetical protein (1149 nt)	2	18	0
PITG_17091	Pi histone chaperone ASF1-like protein (2210 nt)	22	61	0
PITG_17092	Pi protein arginine N-methyltransferase 1 (1032 nt)	0	11	0
PITG_17093	Pi 60S ribosomal protein L24, putative (1177 nt)	435	686	66
PITG_17103	Pi hypothetical protein (652 nt)	1	9	0
PITG_17105	Pi conserved hypothetical protein (1635 nt)	0	14	0
PITG_17106	Pi conserved hypothetical protein (825 nt)	4	15	0
PITG_17107	Pi aldehyde dehydrogenase, putative (1721 nt)	3	14	0
PITG_17108	Pi protein phosphatase 1 regulatory subunit 7, putative	0	1	0
PITG_17109	Pi CCAAT-binding transcription factor, putative (781 nt)	3	42	0
PITG_17110	Pi conserved hypothetical protein (2299 nt)	3	24	0
PITG_17111	Pi conserved hypothetical protein (1298 nt)	0	12	0
PITG_17112	Pi conserved hypothetical protein (1715 nt)	3	15	0
PITG_17114	Pi conserved hypothetical protein (1473 nt)	6	7	0
PITG_17116	Pi conserved hypothetical protein (443 nt)	0	26	0
PITG_17117	Pi salicylate hydroxylase, putative (1304 nt)	5	12	0
PITG_17122	Pi Amino Acid/Auxin Permease (AAP) Family (1471 nt)	1	1	0
PITG_17123	Pi T-complex protein 1 subunit gamma (1738 nt)	12	87	4
PITG_17125	Pi conserved hypothetical protein (753 nt)	0	5	0
PITG_17127	Pi copper-transporting ATPase, putative (3363 nt)	1	12	0
PITG_17128	Pi conserved hypothetical protein (1338 nt)	2	10	0
PITG_17129	Pi copper-transporting ATPase, putative (3401 nt)	1	14	0
PITG_17130	Pi glyceraldehyde-3-phosphate dehydrogenase, putativ	2	16	0
PITG_17131	Pi conserved hypothetical protein (852 nt)	11	20	0
PITG_17132	Pi flagella associated protein (3083 nt)	0	3	0
PITG_17133	Pi 6,7-dimethyl-8-ribityllumazine synthase (734 nt)	28	149	3
PITG_17135	Pi arginine n-methyltransferase, putative (1544 nt)	1	12	0
PITG_17136	Pi Rab8 family GTPase, putative (1009 nt)	24	51	0
PITG_17137	Pi conserved hypothetical protein (4551 nt)	8	35	0
PITG_17138	Pi conserved hypothetical protein (840 nt)	1	13	0
PITG_17140	Pi transmembrane protein, putative (1043 nt)	8	36	0
PITG_17141	Pi Major Facilitator Superfamily (MFS) (1374 nt)	1	11	0
PITG_17142	Pi Major Facilitator Superfamily (MFS) (1380 nt)	14	25	0
PITG_17145	Pi conserved hypothetical protein (2440 nt)	0	22	0
PITG_17154	Pi conserved hypothetical protein (1293 nt)	3	6	0
PITG_17155	Pi RNA 3'-terminal phosphate cyclase, putative (2034 n	2	14	0
PITG_17156	Pi conserved hypothetical protein (623 nt)	7	35	1

PITG_17158 | Pi conserved hypothetical protein (1415 nt)	1	15	0
PITG_17159 | Pi conserved hypothetical protein (903 nt)	10	20	0
PITG_17160 | Pi conserved hypothetical protein (1836 nt)	3	3	0
PITG_17161 | Pi conserved hypothetical protein (2064 nt)	9	35	0
PITG_17162 | Pi conserved hypothetical protein (3300 nt)	0	1	0
PITG_17163 | Pi conserved hypothetical protein (1082 nt)	8	45	0
PITG_17164 | Pi conserved hypothetical protein (889 nt)	16	57	0
PITG_17165 | Pi peptidyl-prolyl cis-trans isomerase E (675 nt)	6	16	0
PITG_17166 | Pi conserved hypothetical protein (1020 nt)	4	56	0
PITG_17167 | Pi conserved hypothetical protein (802 nt)	4	22	0
PITG_17168 | Pi conserved hypothetical protein (1145 nt)	8	25	0
PITG_17170 | Pi peptidyl-tRNA hydrolase, putative (1208 nt)	2	24	0
PITG_17171 | Pi hypothetical protein (506 nt)	0	16	0
PITG_17172 | Pi 2-dehydro-3-deoxyphosphooctonate aldolase (1295 nt)	0	11	0
PITG_17174 | Pi conserved hypothetical protein (1163 nt)	6	70	2
PITG_17195 | Pi tetrahydrofolate dehydrogenase (2491 nt)	4	7	0
PITG_17201 | Pi GTP-binding protein, putative (1843 nt)	8	21	0
PITG_17205 | Pi elongation factor G, putative (3736 nt)	0	12	0
PITG_17209 | Pi conserved hypothetical protein (1477 nt)	10	18	0
PITG_17230 | Pi conserved hypothetical protein (1256 nt)	20	92	0
PITG_17237 | Pi succinate dehydrogenase iron-sulfur protein (621 nt)	1	0	8
PITG_17239 | Pi calcineurin-like phosphoesterase, putative (2269 nt)	22	79	0
PITG_17240 | Pi eukaryotic translation initiation factor 3 subunit E-in	22	44	2
PITG_17241 | Pi leucine carboxyl methyltransferase, putative (1195 nt)	5	9	0
PITG_17242 | Pi conserved hypothetical protein (2469 nt)	1	11	0
PITG_17244 | Pi zinc finger CDGSH domain-containing protein 1 (405 nt)	111	149	2
PITG_17245 | Pi conserved hypothetical protein (1389 nt)	17	42	0
PITG_17247 | Pi sporangia induced conserved hypothetical protein (1389 nt)	0	3	0
PITG_17248 | Pi conserved hypothetical protein (2217 nt)	0	3	0
PITG_17249 | Pi Chloride Channel (CIC) Family (2160 nt)	2	12	0
PITG_17254 | Pi conserved hypothetical protein (674 nt)	16	127	0
PITG_17257 | Pi carbohydrate esterase, putative (2028 nt)	55	603	2
PITG_17258 | Pi conserved hypothetical protein (1386 nt)	2	4	0
PITG_17259 | Pi conserved hypothetical protein (1384 nt)	2	13	0
PITG_17261 | Pi 60S acidic ribosomal protein P0 (1350 nt)	588	246	58
PITG_17262 | Pi ethanolamine-phosphate cytidylyltransferase, putative (1350 nt)	6	30	0
PITG_17263 | Pi regulator of microtubule dynamics protein, putative (1350 nt)	89	53	0
PITG_17264 | Pi WD domain-containing protein, putative (2009 nt)	67	74	0
PITG_17265 | Pi conserved hypothetical protein (2028 nt)	3	11	0
PITG_17270 | Pi conserved hypothetical protein (784 nt)	5	10	0
PITG_17272 | Pi conserved hypothetical protein (1911 nt)	2	4	0
PITG_17273 | Pi conserved hypothetical protein (3462 nt)	2	31	0
PITG_17275 | Pi conserved hypothetical protein (2126 nt)	144	215	0
PITG_17279 | Pi conserved hypothetical protein (1737 nt)	21	192	0
PITG_17280 | Pi conserved hypothetical protein (5608 nt)	0	11	0
PITG_17282 | Pi conserved hypothetical protein (5424 nt)	1	17	0
PITG_17285 | Pi conserved hypothetical protein (1388 nt)	1	1	1

PITG_17286 | Pi ATP-binding Cassette (ABC) Superfamily (5919 nt)	0	13	0
PITG_17287 | Pi AP-1 complex subunit beta, putative (2580 nt)	4	34	1
PITG_17289 | Pi deoxyuridine 5'-triphosphate nucleotidohydrolase (7	3	7	0
PITG_17292 | Pi protein kinase (2211 nt)	10	25	0
PITG_17297 | Pi conserved hypothetical protein (3320 nt)	0	0	0
PITG_17298 | Pi tRNA (cytosine-5-)-methyltransferase, putative (256	3	8	0
PITG_17301 | Pi conserved hypothetical protein (380 nt)	6	25	0
PITG_17302 | Pi multicopper oxidase, putative (1814 nt)	0	17	0
PITG_17304 | Pi conserved hypothetical protein (980 nt)	0	25	0
PITG_17312 | Pi SUMO-activating enzyme (SAE), putative (1132 nt)	11	18	0
PITG_17313 | Pi conserved hypothetical protein (2714 nt)	1	12	0
PITG_17314 | Pi cysteine protease family C01A, putative (1077 nt)	0	0	0
PITG_17315 | Pi sporangia induced conserved hypothetical protein (2	0	0	0
PITG_17317 | Pi hypothetical protein (752 nt)	0	28	0
PITG_17325 | Pi lipase, putative (1586 nt)	11	13	0
PITG_17326 | Pi conserved hypothetical protein (852 nt)	28	381	0
PITG_17328 | Pi transmembrane protein, putative (738 nt)	1	11	0
PITG_17329 | Pi COP9 signalosome complex subunit, putative (1757	4	22	0
PITG_17330 | Pi pyridoxal kinase, putative (1406 nt)	5	27	0
PITG_17332 | Pi conserved hypothetical protein (1138 nt)	28	26	0
PITG_17333 | Pi serine/threonine protein kinase (1905 nt)	81	62	0
PITG_17334 | Pi conserved hypothetical protein (720 nt)	15	28	0
PITG_17335 | Pi charged multivesicular body protein 2a (858 nt)	11	71	0
PITG_17342 | Pi Sporangia Induced Dynein Regulatory Complex Prote	0	1	0
PITG_17344 | Pi cleavage induced hypothetical protein (1552 nt)	7	5	0
PITG_17345 | Pi conserved hypothetical protein (2499 nt)	8	27	0
PITG_17346 | Pi conserved hypothetical protein (1201 nt)	0	11	0
PITG_17347 | Pi conserved hypothetical protein (1593 nt)	6	8	0
PITG_17348 | Pi myosin-like protein (4233 nt)	5	38	0
PITG_17349 | Pi conserved hypothetical protein (1247 nt)	32	61	0
PITG_17351 | Pi conserved hypothetical protein (1969 nt)	9	68	0
PITG_17359 | Pi calcium/calmodulin-dependent protein kinase kinase	24	51	0
PITG_17360 | Pi 12-oxophytodienoate reductase, putative (1119 nt)	10	14	0
PITG_17361 | Pi mitogen-activated protein kinase, putative (2679 nt)	8	13	0
PITG_17362 | Pi conserved hypothetical protein (1039 nt)	0	0	0
PITG_17370 | Pi conserved hypothetical protein (1896 nt)	5	52	0
PITG_17378 | Pi 5'-nucleotidase domain-containing protein, putative	0	20	0
PITG_17381 | Pi conserved hypothetical protein (1000 nt)	2	58	0
PITG_17382 | Pi hypothetical protein (1380 nt)	9	57	0
PITG_17383 | Pi hsp70-like protein (1525 nt)	4	13	0
PITG_17384 | Pi conserved hypothetical protein (1190 nt)	28	59	1
PITG_17387 | Pi ras-specific guanine nucleotide-releasing factor, puta	4	29	0
PITG_17388 | Pi conserved hypothetical protein (735 nt)	0	18	0
PITG_17390 | Pi protein kinase (2076 nt)	0	1	0
PITG_17391 | Pi conserved hypothetical protein (912 nt)	1	17	0
PITG_17392 | Pi conserved hypothetical protein (504 nt)	4	8	0
PITG_17393 | Pi conserved hypothetical protein (564 nt)	27	3	0

PITG_17394	| Pi developmentally-regulated GTP-binding protein 1 (1	2	8	0
PITG_17395	| Pi 5'-AMP-activated protein kinase subunit gamma, put	7	19	0
PITG_17396	| Pi syntaxin, putative (1273 nt)	0	0	0
PITG_17399	| Pi conserved hypothetical protein (454 nt)	25	12	0
PITG_17400	| Pi conserved hypothetical protein (1270 nt)	591	240	0
PITG_17401	| Pi conserved hypothetical protein (891 nt)	54	489	0
PITG_17402	| Pi conserved hypothetical protein (402 nt)	3	10	0
PITG_17403	| Pi conserved hypothetical protein (728 nt)	5	9	0
PITG_17404	| Pi guanine nucleotide-binding protein (2549 nt)	5	14	0
PITG_17405	| Pi conserved hypothetical protein (2008 nt)	1	21	0
PITG_17406	| Pi enoyl-CoA hydratase, mitochondrial precursor (913 r	367	993	22
PITG_17407	| Pi Poly(A) polymerase beta (2210 nt)	2	18	0
PITG_17410	| Pi protein kinase, putative (1201 nt)	0	0	0
PITG_17416	| Pi conserved hypothetical protein (1337 nt)	9	44	0
PITG_17419	| Pi conserved hypothetical protein (835 nt)	0	1	0
PITG_17421	| Pi hypothetical protein (1635 nt)	8	41	0
PITG_17422	| Pi hypothetical protein (1292 nt)	13	0	0
PITG_17423	| Pi conserved hypothetical protein (1189 nt)	6	65	0
PITG_17426	| Pi conserved hypothetical protein (2090 nt)	8	8	0
PITG_17430	| Pi conserved hypothetical protein (1075 nt)	7	12	0
PITG_17433	| Pi hypothetical protein (845 nt)	2	10	0
PITG_17437	| Pi conserved hypothetical protein (1821 nt)	9	21	0
PITG_17439	| Pi Ca2 :Cation Antiporter (CaCA) Family (1653 nt)	4	16	0
PITG_17441	| Pi conserved hypothetical protein (522 nt)	5	26	0
PITG_17445	| Pi glycerol kinase 1 (1685 nt)	39	266	1
PITG_17452	| Pi importin alpha-2 subunit (2296 nt)	109	227	1
PITG_17455	| Pi vacuolar protein sorting-associating protein, putative	20	99	0
PITG_17456	| Pi conserved hypothetical protein (817 nt)	12	144	0
PITG_17457	| Pi conserved hypothetical protein (5056 nt)	6	52	0
PITG_17460	| Pi DEAD/DEAH box RNA helicase, putative (2653 nt)	4	13	0
PITG_17461	| Pi Rab11 family GTPase, putative (1359 nt)	7	14	0
PITG_17477	| Pi conserved hypothetical protein (1125 nt)	1	0	0
PITG_17478	| Pi conserved hypothetical protein (432 nt)	0	0	0
PITG_17479	| Pi conserved hypothetical protein (1213 nt)	3	17	0
PITG_17480	| Pi sodium-coupled neutral amino acid transporter, put:	2	27	0
PITG_17481	| Pi conserved hypothetical protein (1544 nt)	1	11	0
PITG_17484	| Pi Drug/Metabolite Transporter (DMT) Superfamily (13	4	34	0
PITG_17485	| Pi conserved hypothetical protein (1744 nt)	5	15	0
PITG_17486	| Pi conserved hypothetical protein (1200 nt)	0	1	0
PITG_17487	| Pi conserved hypothetical protein (680 nt)	1	15	0
PITG_17488	| Pi conserved hypothetical protein (866 nt)	1	11	0
PITG_17489	| Pi conserved hypothetical protein (750 nt)	14	67	0
PITG_17490	| Pi Mitochondrial Carrier (MC) Family (1161 nt)	1	10	0
PITG_17492	| Pi hypothetical protein (2466 nt)	2	19	0
PITG_17493	| Pi conserved hypothetical protein (1904 nt)	2	9	0
PITG_17494	| Pi protein kinase (491 nt)	0	11	0
PITG_17495	| Pi protein kinase, putative (1590 nt)	3	24	0

PITG_17496	Pi glycoside hydrolase, putative (935 nt)	0	11	0
PITG_17498	Pi conserved hypothetical protein (721 nt)	6	95	0
PITG_17499	Pi Chromate Ion Transporter (CHR) Family (1580 nt)	4	30	0
PITG_17501	Pi glucosylceramidase, putative (1620 nt)	2	30	0
PITG_17503	Pi conserved hypothetical protein (997 nt)	4	24	0
PITG_17508	Pi glucosylceramidase, putative (1500 nt)	0	76	0
PITG_17510	Pi hypothetical protein (626 nt)	0	3	0
PITG_17512	Pi calcium/calmodulin-dependent protein kinase, putat	2	20	0
PITG_17513	Pi conserved hypothetical protein (957 nt)	1	4	0
PITG_17516	Pi S-adenosylmethionine synthetase 2 (1547 nt)	41	477	88
PITG_17517	Pi crinkler (CRN) family protein, putative (1445 nt)	392	1139	23
PITG_17520	Pi conserved hypothetical protein (430 nt)	0	27	0
PITG_17525	Pi crinkler (CRN) family protein, pseudogene (1289 nt)	301	978	18
PITG_17526	Pi crinkler (CRN) family protein, putative (1956 nt)	214	2309	41
PITG_17527	Pi crinkler (CRN) family protein, putative (1959 nt)	398	1029	25
PITG_17531	Pi crinkler (CRN) family protein, putative (2106 nt)	165	509	0
PITG_17537	Pi crinkler (CRN) family protein, pseudogene (1419 nt)	616	2048	47
PITG_17539	Pi crinkler (CRN) family protein, putative (733 nt)	74	763	6
PITG_17540	Pi crinkler (CRN) family protein, putative (1962 nt)	330	1119	21
PITG_17543	Pi crinkler (CRN) family protein, pseudogene (1989 nt)	261	1431	34
PITG_17546	Pi glycoside hydrolase, putative (2172 nt)	7	28	1
PITG_17549	Pi myosin-like protein (4388 nt)	3	27	0
PITG_17550	Pi serine protease family S09A, putative (2451 nt)	1	12	0
PITG_17552	Pi myb-like DNA-binding protein, putative (773 nt)	40	36	0
PITG_17554	Pi myb-like DNA-binding protein, putative (640 nt)	3	41	0
PITG_17556	Pi conserved hypothetical protein (2867 nt)	2	20	0
PITG_17557	Pi hypothetical protein (787 nt)	7	33	0
PITG_17559	Pi myb-like DNA-binding protein, putative (627 nt)	21	89	0
PITG_17560	Pi conserved hypothetical protein (1623 nt)	6	26	0
PITG_17563	Pi hypothetical protein (1433 nt)	81	189	0
PITG_17567	Pi myb-like DNA-binding protein, putative (504 nt)	3	12	0
PITG_17568	Pi conserved hypothetical protein (2884 nt)	7	25	0
PITG_17572	Pi protein kinase (614 nt)	8	22	0
PITG_17576	Pi protein kinase, putative (1986 nt)	2	86	0
PITG_17577	Pi protein kinase, putative (2172 nt)	3	27	0
PITG_17580	Pi protein kinase (333 nt)	0	0	0
PITG_17581	Pi conserved hypothetical protein (640 nt)	0	5	0
PITG_17583	Pi protein kinase (1911 nt)	0	14	0
PITG_17587	Pi conserved hypothetical protein (841 nt)	4	15	0
PITG_17589	Pi histidine acid phosphatase, putative (1155 nt)	1	11	0
PITG_17590	Pi conserved hypothetical protein (1071 nt)	12	5	0
PITG_17592	Pi mannosyl-oligosaccharide glucosidase, putative (267	5	22	0
PITG_17593	Pi conserved hypothetical protein (1209 nt)	29	80	5
PITG_17594	Pi conserved hypothetical protein (2173 nt)	13	79	0
PITG_17595	Pi conserved hypothetical protein (3198 nt)	3	7	0
PITG_17596	Pi conserved hypothetical protein (2142 nt)	26	523	0
PITG_17597	Pi conserved hypothetical protein (3204 nt)	8	32	0

PITG_17599	Pi poly [ADP-ribose] polymerase, putative (6232 nt)	1	82	0
PITG_17600	Pi conserved hypothetical protein (1505 nt)	16	22	0
PITG_17601	Pi conserved hypothetical protein (2071 nt)	3	34	0
PITG_17602	Pi conserved hypothetical protein (1236 nt)	9	23	0
PITG_17606	Pi cation-transporting ATPase, putative (3417 nt)	2	10	0
PITG_17607	Pi elongation factor Ts, putative (1047 nt)	10	5	0
PITG_17608	Pi spermine synthase, putative (1049 nt)	2	4	1
PITG_17609	Pi conserved hypothetical protein (1112 nt)	10	38	0
PITG_17611	Pi hypothetical protein (540 nt)	8	48	0
PITG_17617	Pi TFIIH basal transcription factor complex helicase XPE	15	43	0
PITG_17627	Pi conserved hypothetical protein (3774 nt)	3	17	0
PITG_17628	Pi conserved hypothetical protein (1129 nt)	2	12	0
PITG_17629	Pi conserved hypothetical protein (593 nt)	0	2	0
PITG_17631	Pi conserved hypothetical protein (534 nt)	1	13	0
PITG_17632	Pi conserved hypothetical protein (1513 nt)	16	25	0
PITG_17639	Pi phosphatidylinositol kinase (1910 nt)	0	5	0
PITG_17641	Pi conserved hypothetical protein (1358 nt)	7	4	0
PITG_17646	Pi conserved hypothetical protein (1773 nt)	2	0	0
PITG_17650	Pi conserved hypothetical protein (1603 nt)	0	9	0
PITG_17651	Pi conserved hypothetical protein (993 nt)	4	11	0
PITG_17652	Pi conserved hypothetical protein (878 nt)	8	14	0
PITG_17660	Pi Amino Acid-Polyamine-Organocation (APC) Family (1	2	12	0
PITG_17663	Pi conserved hypothetical protein (1866 nt)	14	53	0
PITG_17664	Pi conserved hypothetical protein (1731 nt)	1	59	0
PITG_17668	Pi conserved hypothetical protein (710 nt)	59	746	0
PITG_17669	Pi M96 mating-specific protein family (1476 nt)	1	16	0
PITG_17672	Pi conserved hypothetical protein (2875 nt)	14	10	0
PITG_17673	Pi M96 mating-specific protein family (2077 nt)	5	34	0
PITG_17674	Pi 5'-3' exoribonuclease 1, putative (4517 nt)	5	29	0
PITG_17675	Pi bzip regulated hypothetical protein (861 nt)	4	10	0
PITG_17677	Pi conserved hypothetical protein (1271 nt)	32	9	0
PITG_17679	Pi M96 mating-specific protein family (1339 nt)	16	29	0
PITG_17681	Pi conserved hypothetical protein (1737 nt)	4	1	0
PITG_17683	Pi conserved hypothetical protein (1717 nt)	19	56	0
PITG_17684	Pi conserved hypothetical protein (921 nt)	5	16	0
PITG_17685	Pi conserved hypothetical protein (1189 nt)	8	4	0
PITG_17690	Pi conserved hypothetical protein (2438 nt)	13	48	0
PITG_17692	Pi conserved hypothetical protein (1392 nt)	0	18	0
PITG_17693	Pi conserved hypothetical protein (1816 nt)	5	21	0
PITG_17695	Pi hypothetical protein (852 nt)	14	322	0
PITG_17696	Pi hypothetical protein (551 nt)	0	1	0
PITG_17698	Pi conserved hypothetical protein (1168 nt)	9	47	0
PITG_17700	Pi conserved hypothetical protein (1292 nt)	8	30	0
PITG_17701	Pi conserved hypothetical protein (790 nt)	9	23	0
PITG_17703	Pi conserved hypothetical protein (2997 nt)	3	8	0
PITG_17704	Pi conserved hypothetical protein (1413 nt)	0	0	0
PITG_17705	Pi protein kinase (1554 nt)	3	16	0

PITG_17706 | Pi conserved hypothetical protein (2463 nt)	16	34	0
PITG_17708 | Pi conserved hypothetical protein (668 nt)	75	332	57
PITG_17709 | Pi conserved hypothetical protein (2187 nt)	13	29	0
PITG_17710 | Pi charged multivesicular body protein 1b-2 (747 nt)	16	59	0
PITG_17716 | Pi voltage-dependent anion-selective channel protein,	41	119	20
PITG_17717 | Pi nuclear migration protein nudC, putative (1038 nt)	47	127	1
PITG_17718 | Pi conserved hypothetical protein (758 nt)	0	0	0
PITG_17719 | Pi iron-sulfur cluster assembly protein, putative (901 nt)	32	33	0
PITG_17721 | Pi conserved hypothetical protein (5449 nt)	0	6	0
PITG_17722 | Pi conserved hypothetical protein (1082 nt)	1	2	0
PITG_17723 | Pi conserved hypothetical protein (507 nt)	5	13	0
PITG_17725 | Pi conserved hypothetical protein (695 nt)	88	83	1
PITG_17726 | Pi conserved hypothetical protein (726 nt)	19	32	0
PITG_17727 | Pi conserved hypothetical protein (521 nt)	24	34	0
PITG_17728 | Pi conserved hypothetical protein (1491 nt)	15	10	0
PITG_17730 | Pi conserved hypothetical protein (489 nt)	42	60	3
PITG_17733 | Pi conserved hypothetical protein (522 nt)	15	22	0
PITG_17734 | Pi conserved hypothetical protein (3125 nt)	4	9	0
PITG_17735 | Pi conserved hypothetical protein (2304 nt)	0	1	0
PITG_17736 | Pi conserved hypothetical protein (1180 nt)	7	21	0
PITG_17740 | Pi conserved hypothetical protein (1389 nt)	104	207	0
PITG_17741 | Pi serine protease family S33, putative (4095 nt)	0	24	0
PITG_17744 | Pi conserved hypothetical protein (1778 nt)	1	0	0
PITG_17745 | Pi inositol hexakisphosphate and diphosphoinositol-pe	2	24	0
PITG_17746 | Pi conserved hypothetical protein (2850 nt)	3	8	0
PITG_17747 | Pi H - or Na -translocating F-type, V-type and A-type AT	25	106	0
PITG_17748 | Pi leucyl-tRNA synthetase, putative (2767 nt)	0	11	0
PITG_17750 | Pi conserved hypothetical protein (847 nt)	0	15	0
PITG_17753 | Pi NADP-dependent malic enzyme (1617 nt)	5	33	0
PITG_17760 | Pi Amino Acid/Auxin Permease (AAP) Family (1518 nt)	41	35	0
PITG_17767 | Pi conserved hypothetical protein (3923 nt)	8	12	0
PITG_17768 | Pi retinol dehydrogenase, putative (852 nt)	2	30	0
PITG_17769 | Pi conserved hypothetical protein (903 nt)	10	52	0
PITG_17771 | Pi conserved hypothetical protein (798 nt)	4	0	0
PITG_17778 | Pi calcium/calmodulin-dependent protein kinase II (145	9	151	0
PITG_17779 | Pi conserved hypothetical protein (1524 nt)	6	25	0
PITG_17781 | Pi conserved hypothetical protein (1531 nt)	7	37	0
PITG_17782 | Pi iron-sulfur cluster assembly protein, putative (525 nt)	39	107	0
PITG_17784 | Pi conserved hypothetical protein (1308 nt)	8	15	0
PITG_17785 | Pi hypothetical protein (336 nt)	54	47	1
PITG_17786 | Pi argininosuccinate lyase (1386 nt)	6	39	10
PITG_17787 | Pi Arsenite-Antimonite (ArsAB) Efflux Family (1135 nt)	17	44	2
PITG_17788 | Pi coiled-coil domain-containing protein 94 (846 nt)	7	12	0
PITG_17790 | Pi 5-aminolevulinic synthase, putative (1828 nt)	8	22	0
PITG_17791 | Pi ubiquitin-specific protease, putative (8249 nt)	0	0	0
PITG_17792 | Pi F-box protein, putative (2409 nt)	12	2	0
PITG_17795 | Pi hypothetical protein (1553 nt)	14	17	0

PITG_17804	Pi Amino Acid/Auxin Permease (AAP) Family (1545 nt)	35	4	4
PITG_17805	Pi Amino Acid/Auxin Permease (AAP) Family (1542 nt)	18	7	1
PITG_17806	Pi Amino Acid/Auxin Permease (AAP) Family (1452 nt)	0	0	0
PITG_17811	Pi patatin-like phospholipase, putative (1557 nt)	1	12	0
PITG_17814	Pi conserved hypothetical protein (2097 nt)	4	19	0
PITG_17816	Pi Crinkler (CRN) family protein, pseudogene (1701 nt)	26	36	0
PITG_17824	Pi conserved hypothetical protein (1995 nt)	0	22	0
PITG_17825	Pi conserved hypothetical protein (707 nt)	0	0	0
PITG_17826	Pi conserved hypothetical protein (2000 nt)	1	0	0
PITG_17827	Pi conserved hypothetical protein (794 nt)	0	17	0
PITG_17828	Pi putative GPI-anchored serine-threonine rich hypothet	2	2	0
PITG_17829	Pi Hypothetical protein (1383 nt)	1	13	0
PITG_17831	Pi protein kinase, putative (1930 nt)	2	23	0
PITG_17833	Pi hypothetical protein (632 nt)	3	30	0
PITG_17834	Pi phospholipid hydroperoxide glutathione peroxidase,	14	19	0
PITG_17838	Pi PexRD8 family secreted RxLR effector peptide, putat	130	208	3
PITG_17839	Pi protein kinase (653 nt)	3	11	0
PITG_17840	Pi protein kinase, putative (1829 nt)	3	21	0
PITG_17841	Pi conserved hypothetical protein (1180 nt)	0	4	0
PITG_17845	Pi carbonic anhydrase, putative (535 nt)	0	18	0
PITG_17849	Pi hypothetical protein (388 nt)	5	23	0
PITG_17853	Pi conserved hypothetical protein (3488 nt)	17	1	0
PITG_17854	Pi conserved hypothetical protein (2622 nt)	25	3	0
PITG_17855	Pi conserved hypothetical protein (2509 nt)	0	3	0
PITG_17863	Pi MtN3-like protein (810 nt)	10	32	0
PITG_17867	Pi conserved hypothetical protein (1769 nt)	19	4	0
PITG_17868	Pi conserved hypothetical protein (4540 nt)	4	17	0
PITG_17869	Pi conserved hypothetical protein (2888 nt)	59	150	0
PITG_17876	Pi transmembrane protein, putative (1588 nt)	16	22	0
PITG_17877	Pi hypothetical protein (516 nt)	0	0	0
PITG_17879	Pi conserved hypothetical protein (970 nt)	3	25	0
PITG_17881	Pi conserved hypothetical protein (1136 nt)	1	0	0
PITG_17882	Pi regulator of chromosome condensation (RCC1)-like p	9	16	0
PITG_17883	Pi condensin complex subunit 3, putative (3779 nt)	7	17	0
PITG_17884	Pi conserved hypothetical protein (2967 nt)	24	90	0
PITG_17885	Pi conserved hypothetical protein (595 nt)	11	88	1
PITG_17889	Pi Crinkler (CRN) family protein (2472 nt)	3	22	0
PITG_17891	Pi conserved hypothetical protein (2335 nt)	5	73	0
PITG_17893	Pi conserved hypothetical protein (2310 nt)	4	16	0
PITG_17895	Pi conserved hypothetical protein (2092 nt)	4	12	0
PITG_17897	Pi protein kinase, putative (2910 nt)	14	21	0
PITG_17904	Pi conserved hypothetical protein (483 nt)	0	15	0
PITG_17907	Pi choline/Carnitine O-acyltransferase, putative (2182 r	3	23	0
PITG_17908	Pi urease accessory protein ureG, putative (1996 nt)	15	157	0
PITG_17910	Pi conserved hypothetical protein (1003 nt)	2	29	0
PITG_17919	Pi P-type ATPase (P-ATPase) Superfamily (1797 nt)	6	94	11
PITG_17920	Pi plasma membrane H ⁺ -ATPase (876 nt)	37	335	56

PITG_17921 | Pi P-type ATPase (P-ATPase) Superfamily (4365 nt)	37	406	63
PITG_17922 | Pi hypothetical protein (395 nt)	0	15	0
PITG_17925 | Pi pentafunctional AROM polypeptide, putative (4738 nt)	1	9	0
PITG_17926 | Pi conserved hypothetical protein (831 nt)	89	65	0
PITG_17927 | Pi hypothetical protein (2235 nt)	7	8	0
PITG_17928 | Pi UDP-N-acetylglucosamine-peptide N-acetylglucosaminidase (2235 nt)	14	41	0
PITG_17929 | Pi signal peptidase complex catalytic subunit SEC11A, putative (2235 nt)	52	96	2
PITG_17930 | Pi RNA pseudouridine synthase, putative (1218 nt)	3	32	0
PITG_17931 | Pi conserved hypothetical protein (869 nt)	1	40	0
PITG_17933 | Pi croquemort-like mating protein M82, putative (1869 nt)	0	40	0
PITG_17935 | Pi conserved hypothetical protein (1290 nt)	5	12	0
PITG_17936 | Pi structural maintenance of chromosomes protein 4, putative (1290 nt)	5	26	0
PITG_17942 | Pi ubiquitin activating enzyme, E1 family, putative (177 nt)	9	24	0
PITG_17943 | Pi conserved hypothetical protein (1303 nt)	3	5	0
PITG_17944 | Pi conserved hypothetical protein (3812 nt)	13	21	0
PITG_17945 | Pi chitinase, putative (822 nt)	41	488	0
PITG_17946 | Pi hypothetical protein (692 nt)	20	18	0
PITG_17947 | Pi chitinase, putative (705 nt)	72	603	0
PITG_17948 | Pi conserved hypothetical protein (1056 nt)	3	36	0
PITG_17949 | Pi PNS1-like protein (1539 nt)	26	369	0
PITG_17951 | Pi dicarboxylate/Amino Acid:Cation (Na or H) Symporter (1539 nt)	2	17	0
PITG_17952 | Pi Major Facilitator Superfamily (MFS) (2148 nt)	15	73	0
PITG_17953 | Pi COP9 signalosome complex subunit 2 (1741 nt)	2	28	0
PITG_17954 | Pi conserved hypothetical protein (2384 nt)	0	0	0
PITG_17956 | Pi croquemort mating protein M82 (2302 nt)	1	3	0
PITG_17958 | Pi heme/steroid binding domain-containing protein, putative (2302 nt)	15	35	0
PITG_17959 | Pi conserved hypothetical protein (1255 nt)	8	19	0
PITG_17960 | Pi Dicarboxylate/Amino Acid:Cation (Na or H) Symporter (1255 nt)	0	3	0
PITG_17961 | Pi Dicarboxylate/Amino Acid:Cation (Na or H) Symporter (1255 nt)	1	1	0
PITG_17965 | Pi conserved hypothetical protein (3855 nt)	3	22	0
PITG_17966 | Pi conserved hypothetical protein (525 nt)	9	18	0
PITG_17967 | Pi conserved hypothetical protein (2693 nt)	14	11	0
PITG_17975 | Pi dual 3',5'-cyclic-AMP and-GMP phosphodiesterase, putative (2693 nt)	0	0	0
PITG_17976 | Pi transmembrane protein, putative (3328 nt)	4	2	0
PITG_17978 | Pi conserved hypothetical protein (1735 nt)	5	19	0
PITG_17981 | Pi conserved hypothetical protein (771 nt)	0	15	0
PITG_17982 | Pi conserved hypothetical protein (2353 nt)	0	15	0
PITG_17983 | Pi adenylosuccinate lyase (1779 nt)	4	19	3
PITG_17984 | Pi conserved hypothetical protein (1317 nt)	1	20	0
PITG_17985 | Pi conserved hypothetical protein (858 nt)	0	18	0
PITG_17986 | Pi conserved hypothetical protein (1234 nt)	5	27	0
PITG_17990 | Pi cell division protein kinase, putative (1253 nt)	13	29	0
PITG_17991 | Pi CorA Metal Ion Transporter (MIT) Family (1434 nt)	2	4	0
PITG_17992 | Pi P-3 complex subunit mu, putative (1447 nt)	9	30	0
PITG_17993 | Pi conserved hypothetical protein (1987 nt)	52	174	0
PITG_17994 | Pi Cyclin B (1718 nt)	5	15	0
PITG_17996 | Pi conserved hypothetical protein (1524 nt)	2	9	0

PITG_17997	Pi conserved hypothetical protein (2376 nt)	7	15	0
PITG_17998	Pi 3-hydroxyisobutyrate dehydrogenase, putative (2334 nt)	3	14	0
PITG_17999	Pi 3-hydroxyisobutyrate dehydrogenase, putative (1290 nt)	3	30	0
PITG_18000	Pi conserved hypothetical protein (872 nt)	52	79	0
PITG_18001	Pi ubiquitin, putative (625 nt)	12	48	50
PITG_18002	Pi conserved hypothetical protein (1812 nt)	13	147	0
PITG_18004	Pi conserved hypothetical protein (2689 nt)	5	10	0
PITG_18005	Pi conserved hypothetical protein (1379 nt)	48	136	0
PITG_18007	Pi CDP-alcohol phosphatidyltransferase, putative (1560 nt)	5	16	0
PITG_18008	Pi conserved hypothetical protein (1255 nt)	12	16	0
PITG_18009	Pi conserved hypothetical protein (495 nt)	8	35	0
PITG_18010	Pi conserved hypothetical protein (1491 nt)	4	17	0
PITG_18011	Pi conserved hypothetical protein (2051 nt)	51	232	1
PITG_18014	Pi conserved hypothetical protein (3807 nt)	0	13	0
PITG_18015	Pi glycosyl transferase, putative (1574 nt)	1	19	0
PITG_18016	Pi flagellar protein, putative (2007 nt)	4	16	0
PITG_18017	Pi conserved hypothetical protein (1021 nt)	0	9	0
PITG_18018	Pi ribosome-recycling factor, putative (995 nt)	2	17	0
PITG_18024	Pi conserved hypothetical protein (2420 nt)	10	17	0
PITG_18025	Pi fatty acid synthase subunit alpha, putative (12457 nt)	2	48	3
PITG_18027	Pi histone acetyltransferase, putative (2887 nt)	5	18	0
PITG_18028	Pi conserved hypothetical protein (2296 nt)	8	28	0
PITG_18030	Pi conserved hypothetical protein (531 nt)	3	23	0
PITG_18031	Pi conserved hypothetical protein (1265 nt)	2	10	0
PITG_18033	Pi conserved hypothetical protein (366 nt)	12	23	0
PITG_18034	Pi conserved hypothetical protein (2719 nt)	0	16	0
PITG_18035	Pi conserved hypothetical protein (941 nt)	0	13	0
PITG_18036	Pi conserved hypothetical protein (863 nt)	0	13	0
PITG_18037	Pi ubiquitin family protein, putative (1724 nt)	28	49	0
PITG_18038	Pi conserved hypothetical protein (900 nt)	13	33	0
PITG_18039	Pi conserved hypothetical protein (1487 nt)	0	3	0
PITG_18044	Pi conserved hypothetical protein (1623 nt)	1	17	0
PITG_18045	Pi protein kinase, putative (1574 nt)	43	88	0
PITG_18046	Pi conserved hypothetical protein (2477 nt)	29	74	0
PITG_18047	Pi hypothetical protein (543 nt)	19	6	0
PITG_18048	Pi aconitate hydratase, mitochondrial precursor (3034 nt)	40	313	14
PITG_18049	Pi chromosome segregation protein, putative (3762 nt)	1	14	0
PITG_18050	Pi conserved hypothetical protein (1456 nt)	7	40	0
PITG_18052	Pi 60S ribosomal protein L3 (1310 nt)	196	288	63
PITG_18053	Pi dolichyl-diphosphooligosaccharide-protein glycosyltransferase, putative (1000 nt)	25	70	2
PITG_18054	Pi 50S ribosomal protein L7/L12, putative (614 nt)	23	76	14
PITG_18055	Pi mitochondrial inner membrane protease ATP23 (990 nt)	1	26	0
PITG_18056	Pi conserved hypothetical protein (1078 nt)	0	15	0
PITG_18057	Pi conserved hypothetical protein (1127 nt)	2	15	0
PITG_18062	Pi conserved hypothetical protein (2532 nt)	11	8	0
PITG_18063	Pi bifunctional polynucleotide phosphatase/kinase, putative (1000 nt)	7	29	0
PITG_18064	Pi conserved hypothetical protein (1916 nt)	2	17	0

PITG_18065	| Pi conserved hypothetical protein (4337 nt)	0	0	0
PITG_18066	| Pi conserved hypothetical protein (1681 nt)	1	3	0
PITG_18067	| Pi RAC family serine/threonine-protein kinase (3279 nt)	5	30	0
PITG_18070	| Pi phospholipase, putative (3302 nt)	2	25	0
PITG_18071	| Pi conserved hypothetical protein (1140 nt)	10	40	0
PITG_18072	| Pi conserved hypothetical protein (1370 nt)	632	2083	29
PITG_18073	| Pi cell division protein kinase, putative (1103 nt)	4	16	0
PITG_18076	| Pi phosphoglycerate mutase family (1280 nt)	1	10	0
PITG_18080	| Pi phosphoglycerate mutase (789 nt)	2	12	0
PITG_18085	| Pi hypothetical protein (710 nt)	2	15	0
PITG_18088	| Pi conserved hypothetical protein (1991 nt)	29	81	0
PITG_18089	| Pi protein transporter Sec61 subunit alpha, putative (1470 nt)	51	220	14
PITG_18091	| Pi structural maintenance of chromosomes protein, putative (1470 nt)	5	13	0
PITG_18092	| Pi conserved hypothetical protein (4408 nt)	2	4	0
PITG_18094	| Pi conserved hypothetical protein (8494 nt)	1	22	0
PITG_18095	| Pi transmembrane protein, putative (886 nt)	11	9	0
PITG_18099	| Pi cysteine protease family C15, putative (1610 nt)	6	25	1
PITG_18100	| Pi conserved hypothetical protein (2674 nt)	6	30	2
PITG_18101	| Pi conserved hypothetical protein (2262 nt)	19	14	0
PITG_18103	| Pi Poly(A) RNA polymerase, putative (1470 nt)	4	9	0
PITG_18104	| Pi conserved hypothetical protein (875 nt)	11	55	1
PITG_18105	| Pi putative GPI mannosyltransferase (2326 nt)	2	12	0
PITG_18106	| Pi vacuolar protein sorting-associated protein, putative (1470 nt)	0	21	0
PITG_18107	| Pi Der1-like family, putative (1230 nt)	53	88	1
PITG_18113	| Pi DNA-directed RNA polymerase II 36 kDa polypeptide (1470 nt)	5	19	0
PITG_18114	| Pi conserved hypothetical protein (1212 nt)	2	22	0
PITG_18117	| Pi conserved hypothetical protein (1272 nt)	2	61	0
PITG_18118	| Pi conserved hypothetical protein (848 nt)	2	105	0
PITG_18119	| Pi conserved hypothetical protein (1968 nt)	8	38	0
PITG_18127	| Pi conserved hypothetical protein (5592 nt)	18	22	0
PITG_18129	| Pi cyclin-Y-like protein (1254 nt)	4	18	0
PITG_18151	| Pi conserved hypothetical protein (2977 nt)	7	15	0
PITG_18155	| Pi conserved hypothetical protein (2637 nt)	0	11	0
PITG_18161	| Pi conserved hypothetical protein (1269 nt)	2	29	1
PITG_18164	| Pi conserved hypothetical protein (1270 nt)	10	71	0
PITG_18165	| Pi conserved hypothetical protein (611 nt)	1404	1067	29
PITG_18168	| Pi conserved hypothetical protein (1080 nt)	0	11	0
PITG_18169	| Pi conserved hypothetical protein (547 nt)	0	0	0
PITG_18171	| Pi mitochondrial 2-oxoglutarate/malate carrier protein (1470 nt)	14	8	0
PITG_18172	| Pi conserved hypothetical protein (5101 nt)	16	0	0
PITG_18173	| Pi conserved hypothetical protein (792 nt)	45	35	0
PITG_18174	| Pi cleavage induced hypothetical protein (2413 nt)	9	55	0
PITG_18175	| Pi conserved hypothetical protein (1426 nt)	6	22	0
PITG_18183	| Pi maltose O-acetyltransferase (1036 nt)	22	83	0
PITG_18185	| Pi phospholipase D, Pi-sPLD-like-1 (1650 nt)	6	9	0
PITG_18187	| Pi sulfite reductase [NADPH] subunit beta, putative (450 nt)	2	162	0
PITG_18189	| Pi conserved hypothetical protein (1595 nt)	7	38	0

PITG_18195	| Pi conserved hypothetical protein (766 nt)	0	0	0
PITG_18201	| Pi avirulence-associated protein 3.4, putative (3419 nt)	0	6	0
PITG_18203	| Pi avirulence-associated protein 3.4, putative (3419 nt)	2	7	0
PITG_18204	| Pi conserved hypothetical protein (3115 nt)	1	24	0
PITG_18206	| Pi conserved hypothetical protein (5849 nt)	1	9	0
PITG_18207	| Pi conserved hypothetical protein (3419 nt)	3	14	0
PITG_18209	| Pi glycoside hydrolase, putative (1428 nt)	0	23	0
PITG_18210	| Pi conserved hypothetical protein (1489 nt)	2	12	0
PITG_18227	| Pi conserved hypothetical protein (1032 nt)	4	11	0
PITG_18230	| Pi glycoside hydrolase, putative (1426 nt)	1	27	0
PITG_18232	| Pi avirulence-associated protein 3.4, putative (5892 nt)	7	5	0
PITG_18233	| Pi conserved hypothetical protein (756 nt)	82	235	1
PITG_18235	| Pi transmembrane protein, putative (1125 nt)	9	24	0
PITG_18236	| Pi conserved hypothetical protein (1431 nt)	7	13	0
PITG_18237	| Pi replication factor C subunit 2 (998 nt)	5	16	0
PITG_18242	| Pi conserved hypothetical protein (326 nt)	16	42	0
PITG_18243	| Pi conserved hypothetical protein (567 nt)	8	6	0
PITG_18245	| Pi conserved hypothetical protein (1596 nt)	6	16	0
PITG_18246	| Pi conserved hypothetical protein (2709 nt)	2	12	0
PITG_18248	| Pi acetate kinase (1405 nt)	6	18	0
PITG_18250	| Pi conserved hypothetical protein (933 nt)	1	18	0
PITG_18251	| Pi peptide chain release factor 1 (1172 nt)	11	17	0
PITG_18252	| Pi conserved hypothetical protein (736 nt)	14	84	0
PITG_18254	| Pi conserved hypothetical protein (3885 nt)	4	12	0
PITG_18257	| Pi conserved hypothetical protein (1514 nt)	1	22	0
PITG_18272	| Pi conserved hypothetical protein (1840 nt)	8	18	0
PITG_18274	| Pi serine protease, putative (3261 nt)	13	33	0
PITG_18276	| Pi conserved hypothetical protein (1704 nt)	2	19	0
PITG_18288	| Pi endoribonuclease L-PSP, putative (697 nt)	10	53	0
PITG_18289	| Pi ATP-binding Cassette (ABC) Superfamily (777 nt)	1	3	0
PITG_18296	| Pi coproporphyrinogen III oxidase, mitochondrial precu	50	16	0
PITG_18297	| Pi ATP-binding Cassette (ABC) Superfamily (1773 nt)	3	19	0
PITG_18298	| Pi coproporphyrinogen III oxidase (1314 nt)	47	35	0
PITG_18300	| Pi conserved hypothetical protein (573 nt)	11	2	0
PITG_18301	| Pi conserved hypothetical protein (690 nt)	17	18	0
PITG_18302	| Pi conserved hypothetical protein (558 nt)	4	36	0
PITG_18304	| Pi conserved hypothetical protein (1410 nt)	2	6	0
PITG_18306	| Pi conserved hypothetical protein (1823 nt)	977	2159	18
PITG_18312	| Pi conserved hypothetical protein (1141 nt)	63	485	0
PITG_18314	| Pi mitochondrial 2-oxoglutarate/malate carrier protein	4	9	0
PITG_18316	| Pi phospholipid hydroperoxide glutathione peroxidase,	31	538	3
PITG_18317	| Pi phospholipid hydroperoxide glutathione peroxidase,	152	171	0
PITG_18320	| Pi conserved hypothetical protein (925 nt)	1	17	0
PITG_18321	| Pi conserved hypothetical protein (873 nt)	2	10	0
PITG_18322	| Pi hypothetical protein (4169 nt)	5	20	0
PITG_18323	| Pi conserved hypothetical protein (1158 nt)	0	18	0
PITG_18326	| Pi conserved hypothetical protein (1353 nt)	10	7	0

PITG_18328	Pi conserved hypothetical protein (752 nt)	1	17	0
PITG_18329	Pi conserved hypothetical protein (975 nt)	1	21	0
PITG_18330	Pi conserved hypothetical protein (939 nt)	19	37	1
PITG_18331	Pi conserved hypothetical protein (8852 nt)	14	6	0
PITG_18332	Pi glycoside hydrolase, putative (1104 nt)	25	3	0
PITG_18334	Pi alcohol dehydrogenase, putative (1017 nt)	0	0	0
PITG_18335	Pi glycoside hydrolase, putative (1332 nt)	0	0	0
PITG_18336	Pi glycoside hydrolase, putative (1398 nt)	0	2	0
PITG_18342	Pi alcohol dehydrogenase, putative (980 nt)	41	19	0
PITG_18354	Pi succinate dehydrogenase flavoprotein subunit, mito	6	44	8
PITG_18355	Pi conserved hypothetical protein (1811 nt)	12	28	0
PITG_18356	Pi beta-glucan synthesis-associated protein KRE6 (2462	0	4	0
PITG_18358	Pi conserved hypothetical protein (1390 nt)	5	54	0
PITG_18359	Pi ubiquitin-specific protease, putative (2486 nt)	5	71	0
PITG_18360	Pi cAMP-dependent protein kinase regulatory subunit,	9	76	0
PITG_18361	Pi inositol oxygenase (918 nt)	8	38	0
PITG_18364	Pi inositol oxygenase (885 nt)	4	38	0
PITG_18366	Pi choline/Carnitine O-acyltransferase, putative (2555 r	4	59	0
PITG_18369	Pi conserved hypothetical protein (1040 nt)	7	40	0
PITG_18371	Pi hypothetical protein (560 nt)	2	6	0
PITG_18372	Pi myotubularin-like protein (4389 nt)	1	17	0
PITG_18374	Pi lysophosphatidylcholine acyltransferase, putative (1	1	15	0
PITG_18375	Pi UDP-glucose 6-dehydrogenase (1490 nt)	4	24	1
PITG_18376	Pi conserved hypothetical protein (635 nt)	56	29	0
PITG_18377	Pi adenylate kinase, putative (2776 nt)	2	22	0
PITG_18378	Pi conserved hypothetical protein (1120 nt)	3	65	0
PITG_18379	Pi conserved hypothetical protein (387 nt)	1	1	0
PITG_18380	Pi conserved hypothetical protein (903 nt)	10	25	0
PITG_18381	Pi conserved hypothetical protein (1352 nt)	3	0	0
PITG_18382	Pi conserved hypothetical protein (806 nt)	10	9	0
PITG_18383	Pi conserved hypothetical protein (471 nt)	0	1	0
PITG_18384	Pi conserved hypothetical protein (688 nt)	13	32	0
PITG_18385	Pi conserved hypothetical protein (597 nt)	44	43	0
PITG_18387	Pi conserved hypothetical protein (2492 nt)	0	15	0
PITG_18392	Pi T-complex protein 1 subunit beta (1686 nt)	11	74	4
PITG_18393	Pi conserved hypothetical protein (1546 nt)	7	33	0
PITG_18396	Pi conserved hypothetical protein (2174 nt)	10	50	1
PITG_18397	Pi conserved hypothetical protein (1272 nt)	1	31	0
PITG_18402	Pi conserved hypothetical protein (1056 nt)	33	4	98
PITG_18409	Pi conserved hypothetical protein (2100 nt)	6	62	0
PITG_18410	Pi conserved hypothetical protein (711 nt)	91	24	0
PITG_18411	Pi conserved hypothetical protein (2239 nt)	5	10	0
PITG_18412	Pi pre-mRNA cleavage complex II protein Clp1, putative	4	27	0
PITG_18413	Pi conserved hypothetical protein (712 nt)	4	18	0
PITG_18414	Pi phosphoglucomutase (3392 nt)	13	266	15
PITG_18416	Pi conserved hypothetical protein (2192 nt)	5	18	0
PITG_18417	Pi conserved hypothetical protein (1435 nt)	38	79	0

PITG_18418	Pi conserved hypothetical protein (1581 nt)	0	2	0
PITG_18420	Pi protein kinase, putative (1415 nt)	16	92	2
PITG_18421	Pi large subunit GTPase 1 (2385 nt)	13	45	0
PITG_18423	Pi conserved hypothetical protein (5054 nt)	1	10	0
PITG_18424	Pi snurportin-like protein (1563 nt)	19	17	0
PITG_18432	Pi pre-mRNA cleavage complex II protein Clp1, putative	28	65	0
PITG_18433	Pi conserved hypothetical protein (1884 nt)	10	7	0
PITG_18435	Pi uricase, putative (1137 nt)	111	118	0
PITG_18440	Pi conserved hypothetical protein (778 nt)	13	71	0
PITG_18443	Pi conserved hypothetical protein (563 nt)	0	1	0
PITG_18445	Pi hypothetical protein (1604 nt)	0	0	0
PITG_18446	Pi 26S protease regulatory subunit 6B (1345 nt)	5	38	8
PITG_18449	Pi conserved hypothetical protein (1009 nt)	1	0	0
PITG_18452	Pi thioredoxin reductase 1 (3219 nt)	16	55	0
PITG_18455	Pi conserved hypothetical protein (575 nt)	13	69	0
PITG_18458	Pi conserved hypothetical protein (2357 nt)	6	82	0
PITG_18459	Pi conserved hypothetical protein (1623 nt)	8	27	0
PITG_18461	Pi conserved hypothetical protein (2208 nt)	3	17	0
PITG_18463	Pi hypothetical protein (1921 nt)	22	48	0
PITG_18464	Pi hypothetical protein (1786 nt)	5	32	0
PITG_18473	Pi 3-phosphoinositide-dependent protein kinase, putative	17	40	0
PITG_18474	Pi CCR4-NOT transcription complex subunit, putative (7	1	23	0
PITG_18475	Pi conserved hypothetical protein (901 nt)	19	36	0
PITG_18482	Pi polysaccharide lyase, putative (1685 nt)	1	10	0
PITG_18489	Pi conserved hypothetical protein (630 nt)	0	6	0
PITG_18497	Pi Crinkler (CRN) family protein (1358 nt)	382	405	0
PITG_18498	Pi conserved hypothetical protein (5417 nt)	0	28	0
PITG_18503	Pi Crinkler (CRN) family protein (1363 nt)	410	526	1
PITG_18505	Pi conserved hypothetical protein (2997 nt)	0	0	0
PITG_18508	Pi Zinc (Zn ²⁺)-Iron (Fe ²⁺) Permease (ZIP) Family (843 nt)	0	15	0
PITG_18509	Pi exosome complex exonuclease RRP44, putative (324	1	14	0
PITG_18518	Pi translation initiation factor eIF-2B subunit alpha, putative	5	28	0
PITG_18519	Pi conserved hypothetical protein (3053 nt)	6	30	0
PITG_18521	Pi conserved hypothetical protein (897 nt)	17	23	0
PITG_18534	Pi trans-1,2-dihydrobenzene-1,2-diol dehydrogenase, putative	9	17	0
PITG_18537	Pi trans-1,2-dihydrobenzene-1,2-diol dehydrogenase, putative	3	60	0
PITG_18538	Pi 3-isopropylmalate dehydratase large subunit, putative	2	15	0
PITG_18540	Pi conserved hypothetical protein (568 nt)	5	55	0
PITG_18541	Pi conserved hypothetical protein (234 nt)	3	64	0
PITG_18542	Pi conserved hypothetical protein (851 nt)	5	17	0
PITG_18543	Pi conserved hypothetical protein (1311 nt)	25	99	0
PITG_18545	Pi tetrahydrofolate dehydrogenase (1038 nt)	1	7	0
PITG_18564	Pi conserved hypothetical protein (487 nt)	35	7	0
PITG_18574	Pi conserved hypothetical protein (922 nt)	5	16	0
PITG_18575	Pi conserved hypothetical protein (798 nt)	1	28	0
PITG_18578	Pi dual specificity protein phosphatase, putative (1540	3	10	0
PITG_18583	Pi nonribosomal peptide synthetase, putative (4723 nt)	0	4	0

PITG_18602	Pi conserved hypothetical protein (1387 nt)	0	22	0
PITG_18603	Pi conserved hypothetical protein (1088 nt)	3	2	0
PITG_18606	Pi conserved hypothetical protein (1720 nt)	0	22	0
PITG_18614	Pi conserved hypothetical protein (949 nt)	3	9	0
PITG_18623	Pi polycomb protein, putative (1447 nt)	13	53	0
PITG_18624	Pi kinesin-like protein (3391 nt)	5	14	0
PITG_18632	Pi ATPase (1497 nt)	4	26	0
PITG_18633	Pi tRNA pseudouridine synthase B, putative (1304 nt)	20	44	0
PITG_18634	Pi DNA topoisomerase, putative (3053 nt)	3	11	0
PITG_18635	Pi conserved hypothetical protein (621 nt)	18	60	0
PITG_18641	Pi conserved hypothetical protein (3909 nt)	1	23	0
PITG_18642	Pi conserved hypothetical protein (2079 nt)	1	21	0
PITG_18644	Pi conserved hypothetical protein (3472 nt)	1	15	0
PITG_18649	Pi SUMO protease, putative (666 nt)	1	18	0
PITG_18650	Pi proteasomal ubiquitin receptor ADRM1-like protein	17	92	0
PITG_18651	Pi conserved hypothetical protein (2887 nt)	9	28	0
PITG_18652	Pi Cation Diffusion Facilitator (CDF) Family (1946 nt)	1	25	0
PITG_18655	Pi conserved hypothetical protein (1374 nt)	3	30	0
PITG_18656	Pi conserved hypothetical protein (3802 nt)	7	21	0
PITG_18657	Pi conserved hypothetical protein (645 nt)	14	23	0
PITG_18658	Pi conserved hypothetical protein (1286 nt)	1	20	0
PITG_18659	Pi conserved hypothetical protein (408 nt)	0	10	0
PITG_18662	Pi conserved hypothetical protein (641 nt)	20	241	0
PITG_18671	Pi ATP-binding Cassette (ABC) Superfamily (2077 nt)	8	15	0
PITG_18677	Pi conserved hypothetical protein (2072 nt)	28	58	0
PITG_18678	Pi transmembrane protein, putative (3121 nt)	0	0	0
PITG_18680	Pi cleavage induced conserved hypothetical protein (12	0	0	0
PITG_18688	Pi Poly(A) polymerase, putative (2034 nt)	4	23	0
PITG_18690	Pi conserved hypothetical protein (1140 nt)	0	11	0
PITG_18693	Pi hypothetical protein (1064 nt)	8	14	0
PITG_18694	Pi conserved hypothetical protein (410 nt)	2	30	0
PITG_18695	Pi UDP-galactose transporter (1132 nt)	3	11	0
PITG_18696	Pi replication factor C subunit, putative (3196 nt)	3	15	0
PITG_18702	Pi conserved hypothetical protein (1770 nt)	5	25	0
PITG_18706	Pi acetyl-CoA carboxylase, putative (8050 nt)	5	50	2
PITG_18707	Pi glycerol-3-phosphate O-acyltransferase, putative (23	17	58	0
PITG_18709	Pi conserved hypothetical protein (1109 nt)	0	0	0
PITG_18712	Pi conserved hypothetical protein (2161 nt)	7	33	0
PITG_18713	Pi Rab6 family GTPase, putative (937 nt)	4	27	0
PITG_18714	Pi intraflagellar Transport protein 80 (2304 nt)	0	6	0
PITG_18717	Pi H/ACA ribonucleoprotein complex subunit 3 (442 nt)	19	29	1
PITG_18718	Pi GTP-binding nuclear protein spi1 (1387 nt)	40	193	21
PITG_18719	Pi transmembrane protein, putative (1945 nt)	1	11	0
PITG_18720	Pi ATP-citrate synthase (3410 nt)	7	74	8
PITG_18721	Pi conserved hypothetical protein (939 nt)	0	8	0
PITG_18726	Pi conserved hypothetical protein (1282 nt)	5	8	0
PITG_18727	Pi DNA-directed RNA polymerase II subunit J (786 nt)	8	71	0

PITG_18728	Pi conserved hypothetical protein (2363 nt)	32	21	0
PITG_18731	Pi 26S proteasome non-ATPase regulatory subunit, put	8	95	3
PITG_18735	Pi vacuolar protein sorting-associated protein, putative	2	31	0
PITG_18736	Pi conserved hypothetical protein (1934 nt)	1	6	0
PITG_18738	Pi hypothetical protein (906 nt)	8	54	0
PITG_18741	Pi Amino Acid/Auxin Permease (AAAP) Family (1491 nt)	5	31	0
PITG_18743	Pi amino acid/auxin permease-like protein (706 nt)	0	22	0
PITG_18744	Pi amino acid/auxin permease-like protein (657 nt)	7	31	0
PITG_18747	Pi GlcNac transferase (1678 nt)	2	23	0
PITG_18748	Pi conserved hypothetical protein (5857 nt)	0	4	0
PITG_18749	Pi conserved hypothetical protein (2573 nt)	2	18	0
PITG_18750	Pi conserved hypothetical protein (667 nt)	7	5	0
PITG_18752	Pi small nuclear ribonucleoprotein-associated protein,	16	69	2
PITG_18753	Pi conserved hypothetical protein (702 nt)	1	19	0
PITG_18754	Pi conserved hypothetical protein (817 nt)	2	13	0
PITG_18756	Pi conserved hypothetical protein (919 nt)	2	29	0
PITG_18759	Pi conserved hypothetical protein (1105 nt)	1	15	0
PITG_18774	Pi Mitochondrial Carrier (MC) Family (1038 nt)	120	199	18
PITG_18775	Pi conserved hypothetical protein (563 nt)	361	291	29
PITG_18776	Pi cytochrome c1, mitochondrial precursor (1368 nt)	85	215	11
PITG_18779	Pi conserved hypothetical protein (566 nt)	8	42	0
PITG_18786	Pi conserved hypothetical protein (1083 nt)	18	32	0
PITG_18787	Pi conserved hypothetical protein (1713 nt)	20	187	0
PITG_18788	Pi tubulin/FtsZ family (3005 nt)	17	281	0
PITG_18795	Pi conserved hypothetical protein (966 nt)	8	3	0
PITG_18797	Pi conserved hypothetical protein (1978 nt)	26	86	0
PITG_18800	Pi conserved hypothetical protein (1069 nt)	1	13	0
PITG_18801	Pi conserved hypothetical protein (2091 nt)	0	0	0
PITG_18813	Pi conserved hypothetical protein (1749 nt)	1	16	0
PITG_18814	Pi conserved hypothetical protein (1219 nt)	3	14	0
PITG_18815	Pi conserved hypothetical protein (951 nt)	1	26	0
PITG_18822	Pi Crinkler (CRN) family protein, pseudogene (1859 nt)	96	44	0
PITG_18824	Pi crinkler (CRN) family protein, pseudogene (2748 nt)	112	304	1
PITG_18826	Pi Crinkler (CRN) family protein (1559 nt)	2	12	0
PITG_18833	Pi Crinkler (CRN) family protein (2362 nt)	131	693	2
PITG_18834	Pi crinkler (CRN) family protein (2548 nt)	162	833	2
PITG_18835	Pi crinkler (CRN) family protein, 5' partial (981 nt)	18	27	0
PITG_18845	Pi hypothetical protein (799 nt)	656	101	0
PITG_18851	Pi conserved hypothetical protein (900 nt)	1	13	0
PITG_18859	Pi cGMP-dependent 3',5'-cGMP phosphodiesterase, pu	0	13	0
PITG_18860	Pi conserved hypothetical protein (988 nt)	10	34	0
PITG_18861	Pi conserved hypothetical protein (1158 nt)	8	5	0
PITG_18862	Pi conserved hypothetical protein (4505 nt)	1	14	0
PITG_18863	Pi conserved hypothetical protein (747 nt)	6	10	0
PITG_18867	Pi tRNA-dihydrouridine synthase, putative (732 nt)	5	31	0
PITG_18868	Pi tRNA-dihydrouridine synthase, putative (1470 nt)	3	15	0
PITG_18873	Pi conserved hypothetical protein (1696 nt)	5	12	0

PITG_18874	Pi conserved hypothetical protein (1275 nt)	8	19	0
PITG_18877	Pi conserved hypothetical protein (1024 nt)	7	6	0
PITG_18882	Pi transcription initiation factor TFIID subunit, putative	4	36	0
PITG_18883	Pi conserved hypothetical protein (585 nt)	4	8	0
PITG_18884	Pi conserved hypothetical protein (1702 nt)	9	21	0
PITG_18891	Pi uracil-DNA glycosylase (939 nt)	8	27	0
PITG_18894	Pi vacuolar protein sorting-associated protein, putative	6	22	0
PITG_18895	Pi conserved hypothetical protein (1339 nt)	2	20	0
PITG_18898	Pi vacuolar protein sorting-associated protein, putative	4	21	0
PITG_18899	Pi vacuolar protein sorting-associated protein 53 (1598	10	23	0
PITG_18902	Pi conserved hypothetical protein (1976 nt)	2	27	0
PITG_18906	Pi ATP-binding Cassette (ABC) Superfamily (2690 nt)	1	21	0
PITG_18912	Pi nonsense transcript regulator (2567 nt)	14	44	0
PITG_18913	Pi hypothetical protein (716 nt)	1	2	0
PITG_18920	Pi conserved hypothetical protein (1307 nt)	1	0	0
PITG_18922	Pi conserved hypothetical protein (1842 nt)	27	38	0
PITG_18923	Pi putative GPI-anchored serine-rich hypothetical prote	305	236	0
PITG_18928	Pi conserved hypothetical protein (926 nt)	39	40	0
PITG_18931	Pi hypothetical protein (699 nt)	488	996	112
PITG_18934	Pi calreticulin precursor (1415 nt)	218	971	35
PITG_18935	Pi dihydrolipoyl dehydrogenase 1, mitochondrial precu	1	11	0
PITG_18943	Pi conserved hypothetical protein (882 nt)	13	35	0
PITG_18947	Pi hypothetical protein (746 nt)	8	51	3
PITG_18951	Pi carbohydrate-binding protein, putative (2346 nt)	13	183	0
PITG_18959	Pi conserved hypothetical protein (999 nt)	13	28	0
PITG_18960	Pi conserved hypothetical protein (897 nt)	0	11	0
PITG_18961	Pi conserved hypothetical protein (1677 nt)	1	20	0
PITG_18962	Pi DNA repair protein, putative (2633 nt)	2	23	0
PITG_18963	Pi conserved hypothetical protein (2541 nt)	4	16	0
PITG_18966	Pi conserved hypothetical protein (1660 nt)	2	16	0
PITG_18973	Pi conserved hypothetical protein (3057 nt)	5	37	0
PITG_18975	Pi conserved hypothetical protein (599 nt)	2	15	0
PITG_18976	Pi RNA binding protein, putative (803 nt)	4	15	0
PITG_18977	Pi HECT E3 ubiquitin ligase, putative (2660 nt)	5	30	0
PITG_18980	Pi hypothetical protein (3407 nt)	6	20	0
PITG_18984	Pi conserved hypothetical protein (5340 nt)	2	3	2
PITG_18987	Pi hypothetical protein (354 nt)	7	19	0
PITG_18991	Pi conserved hypothetical protein (647 nt)	26	28	0
PITG_18992	Pi acyltransferase family (1344 nt)	0	0	0
PITG_18999	Pi serine protease family S08A, putative (3690 nt)	3	15	0
PITG_19004	Pi conserved hypothetical protein (1214 nt)	24	29	0
PITG_19005	Pi conserved hypothetical protein (2137 nt)	9	18	0
PITG_19006	Pi conserved hypothetical protein (2670 nt)	4	18	0
PITG_19007	Pi conserved hypothetical protein (669 nt)	14	43	2
PITG_19008	Pi nascent polypeptide-associated complex subunit alp	79	105	32
PITG_19013	Pi hypothetical protein (2144 nt)	15	0	0
PITG_19016	Pi conserved hypothetical protein (714 nt)	8	4	0

PITG_19017	Pi 14-3-3 protein epsilon (1094 nt)	102	671	74
PITG_19022	Pi conserved hypothetical protein (1632 nt)	16	39	0
PITG_19023	Pi NADH-cytochrome b5 reductase, putative (1093 nt)	57	136	4
PITG_19024	Pi conserved hypothetical protein (3528 nt)	3	20	0
PITG_19025	Pi conserved hypothetical protein (840 nt)	7	20	0
PITG_19032	Pi conserved hypothetical protein (2686 nt)	13	10	0
PITG_19036	Pi serine/threonine-protein phosphatase ppe1 (1425 nt)	8	19	0
PITG_19037	Pi chromatin structure-remodeling complex subunit snr	7	26	0
PITG_19038	Pi conserved hypothetical protein (2066 nt)	13	27	0
PITG_19040	Pi conserved hypothetical protein (240 nt)	0	0	0
PITG_19041	Pi protein kinase, putative (2401 nt)	6	31	0
PITG_19042	Pi conserved hypothetical protein (1798 nt)	56	65	0
PITG_19044	Pi conserved hypothetical protein (1583 nt)	4	33	0
PITG_19045	Pi conserved hypothetical protein (949 nt)	6	35	0
PITG_19046	Pi hypothetical protein (2029 nt)	7	56	0
PITG_19047	Pi hypothetical protein (1680 nt)	2	18	0
PITG_19048	Pi hypothetical protein (407 nt)	1	19	0
PITG_19049	Pi conserved hypothetical protein (1310 nt)	21	56	1
PITG_19053	Pi hypothetical protein (291 nt)	22	94	34
PITG_19054	Pi peroxisomal multifunctional enzyme, putative (1484 nt)	13	85	0
PITG_19055	Pi conserved hypothetical protein (1137 nt)	9	38	0
PITG_19056	Pi Cation Diffusion Facilitator (CDF) Family (1173 nt)	3	36	0
PITG_19060	Pi conserved hypothetical protein (321 nt)	14	113	0
PITG_19063	Pi hypothetical protein (1057 nt)	73	306	4
PITG_19064	Pi pre-mRNA-splicing factor ISY1 (859 nt)	4	37	0
PITG_19065	Pi pyridine nucleotide-disulphide oxidoreductase, putative	2	37	0
PITG_19078	Pi conserved hypothetical protein (1213 nt)	6	13	0
PITG_19080	Pi conserved hypothetical protein (872 nt)	0	24	0
PITG_19085	Pi conserved hypothetical protein (1692 nt)	3	12	0
PITG_19087	Pi hypothetical protein (419 nt)	2	1	0
PITG_19088	Pi conserved hypothetical protein (676 nt)	130	27	0
PITG_19093	Pi conserved hypothetical protein (1419 nt)	0	1	0
PITG_19094	Pi conserved hypothetical protein (1027 nt)	0	1	0
PITG_19095	Pi conserved hypothetical protein (2048 nt)	5	15	0
PITG_19096	Pi phospho-2-dehydro-3-deoxyheptonate aldolase (151 nt)	6	9	0
PITG_19098	Pi conserved hypothetical protein (930 nt)	242	357	0
PITG_19099	Pi elongator complex protein, putative (2965 nt)	2	11	0
PITG_19100	Pi Voltage-gated Ion Channel (VIC) Superfamily (1416 nt)	0	1	0
PITG_19101	Pi Voltage-gated Ion Channel (VIC) Superfamily (2045 nt)	0	1	0
PITG_19103	Pi conserved hypothetical protein (684 nt)	0	2	0
PITG_19105	Pi conserved hypothetical protein (948 nt)	19	6	0
PITG_19107	Pi conserved hypothetical protein (1288 nt)	2	26	0
PITG_19108	Pi conserved hypothetical protein (1839 nt)	0	16	0
PITG_19109	Pi conserved hypothetical protein (375 nt)	6	33	0
PITG_19110	Pi conserved hypothetical protein (1772 nt)	1	18	0
PITG_19111	Pi conserved hypothetical protein (2034 nt)	29	82	0
PITG_19113	Pi conserved hypothetical protein (1761 nt)	11	18	0

PITG_19117 | Pi conserved hypothetical protein (1705 nt)	0	0	0
PITG_19119 | Pi conserved hypothetical protein (717 nt)	490	455	0
PITG_19121 | Pi 60S ribosomal protein L10 (848 nt)	1521	937	64
PITG_19122 | Pi conserved hypothetical protein (1498 nt)	0	15	0
PITG_19123 | Pi conserved hypothetical protein (1327 nt)	1	6	0
PITG_19124 | Pi endoplasmic reticulum-Golgi intermediate compartn	15	25	0
PITG_19125 | Pi conserved hypothetical protein (1393 nt)	25	8	0
PITG_19126 | Pi conserved hypothetical protein (875 nt)	1	15	0
PITG_19127 | Pi conserved hypothetical protein (1513 nt)	3	18	0
PITG_19128 | Pi conserved hypothetical protein (1400 nt)	16	89	0
PITG_19129 | Pi ATP-dependent RNA helicase eIF4A, putative (1319 r	63	91	10
PITG_19142 | Pi alkylated DNA repair protein alkB-like protein (1118	26	20	0
PITG_19143 | Pi conserved hypothetical protein (907 nt)	4	13	0
PITG_19144 | Pi conserved hypothetical protein (840 nt)	0	4	0
PITG_19145 | Pi conserved hypothetical protein (491 nt)	7	11	0
PITG_19146 | Pi conserved hypothetical protein (900 nt)	19	51	0
PITG_19147 | Pi conserved hypothetical protein (450 nt)	40	36	0
PITG_19148 | Pi conserved hypothetical protein (798 nt)	1	14	0
PITG_19149 | Pi conserved hypothetical protein (2916 nt)	11	5	0
PITG_19150 | Pi hypothetical protein (1125 nt)	30	27	0
PITG_19152 | Pi conserved hypothetical protein (792 nt)	11	22	0
PITG_19153 | Pi conserved hypothetical protein (8551 nt)	3	17	0
PITG_19154 | Pi conserved hypothetical protein (672 nt)	0	2	0
PITG_19157 | Pi conserved hypothetical protein (449 nt)	42	31	2
PITG_19158 | Pi conserved hypothetical protein (2102 nt)	9	21	0
PITG_19159 | Pi conserved hypothetical protein (1511 nt)	3	10	0
PITG_19160 | Pi conserved hypothetical protein (1462 nt)	29	24	4
PITG_19161 | Pi pyruvate dehydrogenase E1 component subunit bet:	39	103	8
PITG_19163 | Pi ATP-dependent RNA helicase, putative (1642 nt)	1	11	0
PITG_19164 | Pi Mitochondrial Protein Translocase (MPT) Family (16:	9	34	0
PITG_19166 | Pi conserved hypothetical protein (1499 nt)	21	27	0
PITG_19167 | Pi conserved hypothetical protein (942 nt)	3	13	0
PITG_19168 | Pi conserved hypothetical protein (2066 nt)	2	17	0
PITG_19174 | Pi phosphoglucomutase, putative (1969 nt)	5	19	0
PITG_19175 | Pi conserved hypothetical protein (2919 nt)	11	21	0
PITG_19176 | Pi conserved hypothetical protein (421 nt)	33	83	2
PITG_19177 | Pi conserved hypothetical protein (1173 nt)	25	38	0
PITG_19178 | Pi 13 kDa ribonucleoprotein-associated protein (613 nt	18	63	11
PITG_19179 | Pi mitochondrial import receptor subunit TOM70, puta	6	62	1
PITG_19180 | Pi conserved hypothetical protein (1550 nt)	20	27	0
PITG_19181 | Pi conserved hypothetical protein (678 nt)	2	5	0
PITG_19182 | Pi DNA cross-link repair protein, putative (2025 nt)	6	14	0
PITG_19183 | Pi conserved hypothetical protein (1447 nt)	4	14	0
PITG_19184 | Pi ER lumen protein retaining receptor (1036 nt)	19	29	0
PITG_19191 | Pi 2-oxoglutarate dehydrogenase, putative (3475 nt)	2	11	0
PITG_19198 | Pi conserved hypothetical protein (612 nt)	17	76	0
PITG_19199 | Pi arginine N-methyltransferase, putative (1377 nt)	6	48	1

PITG_19204	Pi conserved hypothetical protein (1439 nt)	26	34	0
PITG_19205	Pi conserved hypothetical protein (3550 nt)	1	5	0
PITG_19208	Pi conserved hypothetical protein (1612 nt)	1	18	0
PITG_19212	Pi tubulin/FtsZ family protein, putative (1644 nt)	3	15	0
PITG_19213	Pi mitogen-activated protein kinase, putative (3606 nt)	3	32	0
PITG_19216	Pi conserved hypothetical protein (644 nt)	0	21	0
PITG_19219	Pi conserved hypothetical protein (993 nt)	1	5	0
PITG_19220	Pi conserved hypothetical protein (3632 nt)	2	34	0
PITG_19223	Pi conserved hypothetical protein (3603 nt)	1	12	0
PITG_19224	Pi conserved hypothetical protein (668 nt)	2	10	0
PITG_19229	Pi conserved hypothetical protein (531 nt)	10	15	0
PITG_19234	Pi choline/Carnitine O-acyltransferase, putative (2593 nt)	11	73	0
PITG_19235	Pi serine/threonine protein kinase (1738 nt)	9	43	0
PITG_19237	Pi conserved hypothetical protein (1180 nt)	11	77	0
PITG_19242	Pi conserved hypothetical protein (2733 nt)	6	17	0
PITG_19245	Pi conserved hypothetical protein (698 nt)	14	9	4
PITG_19247	Pi atlastin-like protein (2044 nt)	7	58	0
PITG_19249	Pi conserved hypothetical protein (1432 nt)	1	3	0
PITG_19251	Pi palmitoyltransferase, putative (1431 nt)	0	12	0
PITG_19254	Pi conserved hypothetical protein (1271 nt)	4	51	0
PITG_19257	Pi calcineurin-like phosphoesterase, putative (4209 nt)	2	12	0
PITG_19263	Pi sulfite reductase [NADPH] flavoprotein component,	3	176	0
PITG_19269	Pi conserved hypothetical protein (1193 nt)	1	14	0
PITG_19270	Pi conserved hypothetical protein (1212 nt)	23	233	0
PITG_19281	Pi ATP-binding cassette sub-family E member 1 (2034 nt)	12	22	1
PITG_19282	Pi conserved hypothetical protein (926 nt)	65	73	4
PITG_19283	Pi conserved hypothetical protein (695 nt)	6	18	0
PITG_19286	Pi Major Facilitator Superfamily (MFS) (1368 nt)	8	13	0
PITG_19287	Pi conserved hypothetical protein (947 nt)	2	6	0
PITG_19293	Pi hypothetical protein (339 nt)	3	2	0
PITG_19294	Pi protein kinase (900 nt)	0	0	0
PITG_19298	Pi sugar phosphate exchanger, putative (1633 nt)	11	86	0
PITG_19299	Pi conserved hypothetical protein (715 nt)	8	31	0
PITG_19302	Pi secreted RxLR effector peptide, putative (1524 nt)	0	0	0
PITG_19303	Pi conserved hypothetical protein (1424 nt)	2	568	0
PITG_19310	Pi conserved hypothetical protein (966 nt)	7	14	0
PITG_19311	Pi conserved hypothetical protein (580 nt)	7	30	0
PITG_19313	Pi conserved hypothetical protein (1116 nt)	26	31	0
PITG_19314	Pi replication factor C subunit 3 (1287 nt)	33	54	0
PITG_19316	Pi Crinkler (CRN) family protein, pseudogene (1872 nt)	47	200	0
PITG_19318	Pi Crinkler (CRN) family protein (2611 nt)	260	307	1
PITG_19320	Pi Crinkler (CRN) family protein (846 nt)	66	266	1
PITG_19349	Pi conserved hypothetical protein (1161 nt)	7	75	0
PITG_19350	Pi formin-homology 2 domain-containing protein (482 nt)	2	32	0
PITG_19351	Pi kinesin-like protein (1519 nt)	4	10	0
PITG_19361	Pi myb-like DNA-binding protein, putative (1223 nt)	20	202	1
PITG_19362	Pi myb-like DNA-binding protein, putative (1042 nt)	32	249	0

PITG_19363	Pi conserved hypothetical protein (1697 nt)	0	4	0
PITG_19364	Pi pantothenate kinase, putative (1351 nt)	5	10	0
PITG_19366	Pi polysaccharide lyase, putative (1685 nt)	6	13	0
PITG_19369	Pi conserved hypothetical protein (780 nt)	4	27	0
PITG_19371	Pi GTP-binding protein, putative (1525 nt)	29	22	0
PITG_19382	Pi conserved hypothetical protein (1280 nt)	168	195	0
PITG_19383	Pi conserved hypothetical protein (927 nt)	0	12	0
PITG_19399	Pi methylenetetrahydrofolate dehydrogenase [NAD+],	1053	115	0
PITG_19402	Pi conserved hypothetical protein (1551 nt)	5	60	0
PITG_19404	Pi conserved hypothetical protein (402 nt)	30	317	0
PITG_19405	Pi conserved hypothetical protein (712 nt)	2	27	0
PITG_19410	Pi conserved hypothetical protein (684 nt)	10	38	0
PITG_19411	Pi conserved hypothetical protein (1390 nt)	7	41	0
PITG_19415	Pi hypothetical protein (525 nt)	188	70	2
PITG_19418	Pi conserved hypothetical protein (2222 nt)	2	14	0
PITG_19419	Pi conserved hypothetical protein (1373 nt)	8	16	0
PITG_19420	Pi hypothetical protein (252 nt)	0	20	0
PITG_19421	Pi hypothetical protein (264 nt)	2	29	0
PITG_19422	Pi hypothetical protein (2352 nt)	12	88	0
PITG_19429	Pi prephenate dehydratase, putative (2816 nt)	3	20	0
PITG_19432	Pi Amino Acid/Auxin Permease (AAP) Family (1455 nt)	0	14	0
PITG_19436	Pi sister chromatid cohesion protein PDS5 (4000 nt)	1	19	0
PITG_19441	Pi ATP-binding Cassette (ABC) Superfamily (3824 nt)	1	13	0
PITG_19445	Pi serine protease family S08A, putative (1096 nt)	5	16	0
PITG_19448	Pi 50S ribosomal protein L17, putative (1302 nt)	20	37	1
PITG_19449	Pi conserved hypothetical protein (831 nt)	15	18	0
PITG_19450	Pi cell division protein kinase 2 (1000 nt)	8	21	0
PITG_19451	Pi cleavage induced conserved hypothetical protein (55	0	0	0
PITG_19456	Pi protein kinase, putative (2099 nt)	8	25	0
PITG_19457	Pi conserved hypothetical protein (512 nt)	10	10	0
PITG_19458	Pi protein kinase (1187 nt)	4	11	0
PITG_19459	Pi protein kinase (1234 nt)	4	31	0
PITG_19461	Pi conserved hypothetical protein (1566 nt)	5	15	0
PITG_19462	Pi metallophosphoesterase, putative (1778 nt)	0	11	0
PITG_19465	Pi hypothetical protein (492 nt)	0	1	0
PITG_19466	Pi conserved hypothetical protein (1491 nt)	10	32	0
PITG_19469	Pi conserved hypothetical protein (926 nt)	4	13	0
PITG_19470	Pi conserved hypothetical protein (756 nt)	6	16	0
PITG_19472	Pi ubiquitin-specific protease, putative (8250 nt)	2	27	0
PITG_19473	Pi conserved hypothetical protein (5766 nt)	1	5	0
PITG_19474	Pi cobalamin adenosyltransferase, putative (704 nt)	36	14	0
PITG_19482	Pi ras protein let-60 (1186 nt)	66	145	0
PITG_19485	Pi CREG-like protein (834 nt)	5	44	0
PITG_19487	Pi conserved hypothetical protein (770 nt)	14	14	0
PITG_19488	Pi protein-S-isoprenylcysteine O-methyltransferase (82	42	47	0
PITG_19489	Pi conserved hypothetical protein (1287 nt)	0	18	0
PITG_19495	Pi glyceraldehyde-3-phosphate dehydrogenase, putativ	330	64	13

PITG_19505	Pi conserved hypothetical protein (641 nt)	44	319	0
PITG_19506	Pi conserved hypothetical protein (2006 nt)	2	14	0
PITG_19508	Pi conserved hypothetical protein (2224 nt)	3	32	0
PITG_19514	Pi conserved hypothetical protein (1607 nt)	2	29	0
PITG_19516	Pi conserved hypothetical protein (2268 nt)	5	28	0
PITG_19526	Pi secreted RxLR effector peptide, putative (378 nt)	1	22	0
PITG_19527	Pi conserved hypothetical protein (1086 nt)	4	24	0
PITG_19530	Pi conserved hypothetical protein (656 nt)	6	28	0
PITG_19531	Pi 50S ribosomal protein L25, putative (785 nt)	13	36	2
PITG_19532	Pi cleavage and polyadenylation specificity factor subunit 1, putative (1086 nt)	6	25	0
PITG_19533	Pi cleavage and polyadenylation specificity factor subunit 2, putative (1086 nt)	1	10	0
PITG_19535	Pi proteasome subunit beta, putative (696 nt)	91	181	4
PITG_19536	Pi conserved hypothetical protein (567 nt)	11	22	0
PITG_19537	Pi calnexin, putative (1746 nt)	21	43	0
PITG_19544	Pi carbohydrate-binding protein, putative (594 nt)	42	11	0
PITG_19547	Pi phosphatidylserine decarboxylase, putative (1121 nt)	1	3	0
PITG_19550	Pi phosphatidylserine decarboxylase, putative (1442 nt)	4	10	0
PITG_19551	Pi conserved hypothetical protein (1351 nt)	6	30	1
PITG_19557	Pi putative dolichyl-diphosphooligosaccharide-protein transferase (1056 nt)	15	56	3
PITG_19568	Pi crinkler (CRN) family protein, pseudogene (1056 nt)	638	82	0
PITG_19578	Pi Crinkler (CRN) family protein, pseudogene (1347 nt)	336	516	2
PITG_19581	Pi crinkler (CRN) family protein, pseudogene (2543 nt)	93	795	3
PITG_19586	Pi crinkler (CRN) family protein, pseudogene (2457 nt)	54	200	0
PITG_19589	Pi Crinkler (CRN) family protein (1818 nt)	4	10	0
PITG_19590	Pi conserved hypothetical protein (986 nt)	49	168	1
PITG_19591	Pi conserved hypothetical protein (666 nt)	25	71	0
PITG_19592	Pi Mitochondrial Protein Translocase (MPT) Family (390 nt)	19	74	3
PITG_19595	Pi hypothetical protein (412 nt)	96	391	1
PITG_19602	Pi putative GPI-anchored serine-threonine rich hypothetical protein (1056 nt)	1	1	0
PITG_19603	Pi conserved hypothetical protein (1995 nt)	5	17	0
PITG_19604	Pi elicitor-like protein (2043 nt)	1	3	0
PITG_19605	Pi conserved hypothetical protein (899 nt)	6	14	0
PITG_19606	Pi conserved hypothetical protein (1062 nt)	11	25	4
PITG_19607	Pi histone arginine demethylase, putative (3486 nt)	2	53	0
PITG_19608	Pi ribosomal protein L7Ae/L30e/S12e/Gadd4, putative (1056 nt)	10	18	2
PITG_19609	Pi dynein-like protein (1863 nt)	0	9	0
PITG_19611	Pi conserved hypothetical protein (2220 nt)	2	11	0
PITG_19612	Pi conserved hypothetical protein (900 nt)	5	25	0
PITG_19615	Pi hypothetical protein (5192 nt)	16	23	0
PITG_19618	Pi hypothetical protein (654 nt)	0	11	0
PITG_19622	Pi conserved hypothetical protein (4284 nt)	1	31	0
PITG_19623	Pi polygalacturonase, putative (1188 nt)	2	43	0
PITG_19624	Pi polygalacturonase, putative (1119 nt)	3	10	6
PITG_19634	Pi polygalacturonase, putative (651 nt)	2	9	0
PITG_19636	Pi polygalacturonase, putative (474 nt)	2	64	0
PITG_19639	Pi conserved hypothetical protein (2459 nt)	3	16	0
PITG_19640	Pi transmembrane protein, putative (8592 nt)	1	12	0

PITG_19641	Pi conserved hypothetical protein (4528 nt)	0	4	0
PITG_19642	Pi conserved hypothetical protein (1156 nt)	0	1	0
PITG_19643	Pi conserved hypothetical protein (945 nt)	0	14	0
PITG_19644	Pi carbohydrate-binding protein, putative (2295 nt)	0	21	0
PITG_19645	Pi conserved hypothetical protein (1338 nt)	0	12	0
PITG_19646	Pi pre-mRNA-processing factor 19, putative (1575 nt)	0	19	0
PITG_19647	Pi meiosis-specific nuclear structural protein 1, putative	0	1	0
PITG_19648	Pi conserved hypothetical protein (1292 nt)	1	0	0
PITG_19649	Pi endopolygalacturonase, putative (967 nt)	0	1	0
PITG_19654	Pi conserved hypothetical protein (451 nt)	12	41	0
PITG_19656	Pi GMP synthase [glutamine-hydrolyzing], putative (14:	1	8	2
PITG_19657	Pi conserved hypothetical protein (2720 nt)	9	3	0
PITG_19658	Pi ATP-binding Cassette (ABC) Superfamily (474 nt)	2	37	0
PITG_19659	Pi ATP-binding Cassette (ABC) Superfamily (3837 nt)	1	16	0
PITG_19665	Pi conserved hypothetical protein (2043 nt)	24	172	0
PITG_19668	Pi conserved hypothetical protein (1234 nt)	17	112	1
PITG_19669	Pi ubiquitin-like protein/ribosomal protein (737 nt)	577	885	89
PITG_19672	Pi hypothetical protein (1077 nt)	22	20	0
PITG_19674	Pi conserved hypothetical protein (2583 nt)	0	12	0
PITG_19676	Pi conserved hypothetical protein (856 nt)	0	14	0
PITG_19679	Pi elongation factor G, putative (901 nt)	0	24	0
PITG_19690	Pi conserved hypothetical protein (860 nt)	30	51	0
PITG_19691	Pi conserved hypothetical protein (1303 nt)	24	80	0
PITG_19692	Pi conserved hypothetical protein (1804 nt)	3	8	0
PITG_19693	Pi conserved hypothetical protein (2062 nt)	2	24	0
PITG_19709	Pi hypothetical protein (279 nt)	27	25	0
PITG_19710	Pi conserved hypothetical protein (775 nt)	1	8	0
PITG_19728	Pi cohesin subunit, putative (4725 nt)	1	35	0
PITG_19730	Pi 2-acylglycerol O-acyltransferase, putative (1272 nt)	0	11	0
PITG_19735	Pi conserved hypothetical protein (1350 nt)	4	34	0
PITG_19736	Pi alcohol dehydrogenase, putative (1016 nt)	3	7	0
PITG_19737	Pi 3-mercaptopyruvate sulfurtransferase, putative (15C	312	153	0
PITG_19741	Pi conserved hypothetical protein (781 nt)	36	56	4
PITG_19745	Pi conserved hypothetical protein (872 nt)	2	20	0
PITG_19746	Pi conserved hypothetical protein (1407 nt)	5	42	0
PITG_19749	Pi conserved hypothetical protein (1337 nt)	2	21	0
PITG_19750	Pi conserved hypothetical protein (4204 nt)	1	14	0
PITG_19761	Pi conserved hypothetical protein (1520 nt)	69	230	2
PITG_19763	Pi conserved hypothetical protein (638 nt)	0	0	0
PITG_19764	Pi conserved hypothetical protein (3585 nt)	1	1	0
PITG_19766	Pi conserved hypothetical protein (1787 nt)	5	22	0
PITG_19767	Pi ATP-dependent Clp protease proteolytic subunit, putative	106	84	1
PITG_19768	Pi conserved hypothetical protein (782 nt)	122	104	6
PITG_19769	Pi conserved hypothetical protein (384 nt)	3	19	0
PITG_19771	Pi mitochondrial inner membrane protease subunit 1, putative	2	13	0
PITG_19772	Pi hypothetical protein (614 nt)	439	191	5
PITG_19773	Pi serine/threonine protein kinase (2308 nt)	1	13	0

PITG_19774	Pi mannose-6-phosphate isomerase, putative (1208 nt)	11	16	0
PITG_19775	Pi conserved hypothetical protein (554 nt)	88	43	0
PITG_19780	Pi eukaryotic translation initiation factor 1A (457 nt)	0	82	1
PITG_19781	Pi conserved hypothetical protein (4434 nt)	0	16	0
PITG_19790	Pi patatin-like phospholipase, putative (2204 nt)	2	18	0
PITG_19791	Pi conserved hypothetical protein (1354 nt)	8	13	0
PITG_19797	Pi amino acid/auxin permease-like protein (1191 nt)	13	0	0
PITG_19800	Pi secreted RxLR effector peptide, putative (621 nt)	15	42	0
PITG_19802	Pi dihydrolipoyl dehydrogenase, putative (690 nt)	26	151	14
PITG_19804	Pi hypothetical protein (1288 nt)	33	122	0
PITG_19809	Pi conserved hypothetical protein (2673 nt)	2	18	0
PITG_19813	Pi conserved hypothetical protein (1907 nt)	2	13	0
PITG_19814	Pi conserved hypothetical protein (785 nt)	75	151	10
PITG_19815	Pi conserved hypothetical protein (3665 nt)	0	0	0
PITG_19817	Pi conserved hypothetical protein (951 nt)	10	30	0
PITG_19818	Pi conserved hypothetical protein (533 nt)	0	4	7
PITG_19822	Pi conserved hypothetical protein (973 nt)	0	15	0
PITG_19823	Pi conserved hypothetical protein (362 nt)	3	26	0
PITG_19824	Pi conserved hypothetical protein (1095 nt)	35	767	1
PITG_19836	Pi hypothetical protein (1303 nt)	3	18	0
PITG_19841	Pi conserved hypothetical protein (911 nt)	0	15	0
PITG_19842	Pi conserved hypothetical protein (3047 nt)	2	43	0
PITG_19844	Pi conserved hypothetical protein (2022 nt)	3	36	0
PITG_19846	Pi conserved hypothetical protein (2183 nt)	10	48	0
PITG_19849	Pi protein kinase (2164 nt)	4	15	0
PITG_19850	Pi conserved hypothetical protein (1578 nt)	21	56	0
PITG_19851	Pi myb-like DNA-binding protein, putative (2525 nt)	9	106	0
PITG_19854	Pi conserved hypothetical protein (1732 nt)	67	285	1
PITG_19855	Pi hypothetical protein (432 nt)	308	982	10
PITG_19856	Pi conserved hypothetical protein (991 nt)	1	35	0
PITG_19857	Pi conserved hypothetical protein (2813 nt)	1	15	0
PITG_19860	Pi conserved hypothetical protein (1929 nt)	4	13	0
PITG_19862	Pi conserved hypothetical protein (2445 nt)	2	2	0
PITG_19863	Pi conserved hypothetical protein (2178 nt)	28	14	0
PITG_19864	Pi conserved hypothetical protein (923 nt)	274	467	0
PITG_19865	Pi carboxyvinyl-carboxyphosphonate phosphorylmutas	33	26	0
PITG_19867	Pi conserved hypothetical protein (1043 nt)	2	12	0
PITG_19868	Pi tRNA-dihydrouridine synthase, putative (1772 nt)	0	9	0
PITG_19869	Pi serine/threonine protein kinase (1548 nt)	0	3	0
PITG_19870	Pi bax inhibitor-like protein (1129 nt)	47	80	0
PITG_19871	Pi cell division control protein 48 (2866 nt)	63	203	7
PITG_19875	Pi phosphoinositide 3-kinase regulatory subunit (6054 nt)	2	28	0
PITG_19876	Pi conserved hypothetical protein (861 nt)	4	8	0
PITG_19877	Pi guanylate-binding protein, putative (2474 nt)	4	18	0
PITG_19878	Pi protein kinase, putative (2849 nt)	3	49	0
PITG_19879	Pi conserved hypothetical protein (1407 nt)	3	3	0
PITG_19880	Pi hypothetical protein (285 nt)	60	130	3

PITG_19886	Pi sphingosine kinase, putative (5332 nt)	6	21	0
PITG_19887	Pi conserved hypothetical protein (4715 nt)	0	22	0
PITG_19889	Pi Crinkler (CRN) family protein, pseudogene (2522 nt)	63	353	0
PITG_19901	Pi conserved hypothetical protein (708 nt)	4	17	0
PITG_19905	Pi calcium/calmodulin dependent protein kinase, putat	1	24	0
PITG_19907	Pi Rab21/Rab5 family GTPase, putative (908 nt)	87	173	0
PITG_19915	Pi conserved hypothetical protein (808 nt)	3	28	0
PITG_19916	Pi conserved hypothetical protein (1065 nt)	6	17	0
PITG_19928	Pi conserved hypothetical protein (648 nt)	4	19	0
PITG_19930	Pi conserved hypothetical protein (1199 nt)	1	3	0
PITG_19931	Pi conserved hypothetical protein (2001 nt)	4	11	0
PITG_19932	Pi nicotinate-nucleotide pyrophosphorylase, putative (1	14	71	1
PITG_19939	Pi glucosylceramidase, putative (2151 nt)	4	85	0
PITG_19950	Pi conserved hypothetical protein (435 nt)	15	63	0
PITG_19956	Pi conserved hypothetical protein (1681 nt)	6	12	0
PITG_19959	Pi hypothetical protein (984 nt)	27	121	0
PITG_19961	Pi glyceraldehyde-3-phosphate dehydrogenase (669 nt)	118	400	76
PITG_19962	Pi conserved hypothetical protein (471 nt)	4	9	0
PITG_19963	Pi conserved hypothetical protein (1042 nt)	29	56	1
PITG_19964	Pi conserved hypothetical protein (831 nt)	7	39	0
PITG_19965	Pi conserved hypothetical protein (1744 nt)	7	16	0
PITG_19966	Pi carbohydrate-binding protein, putative (1062 nt)	9	50	0
PITG_19967	Pi conserved hypothetical protein (1981 nt)	0	0	0
PITG_19972	Pi conserved hypothetical protein (1973 nt)	0	4	0
PITG_19977	Pi haloacid dehalogenase-like hydrolase, putative (859	0	29	0
PITG_19978	Pi conserved hypothetical protein (497 nt)	4	9	75
PITG_19979	Pi conserved hypothetical protein (780 nt)	30	37	0
PITG_19984	Pi conserved hypothetical protein (1292 nt)	0	0	0
PITG_19989	Pi conserved hypothetical protein (1060 nt)	5	28	0
PITG_19991	Pi hypothetical protein (720 nt)	10	22	0
PITG_19993	Pi GMP synthase [glutamine-hydrolyzing], putative (15	2	10	3
PITG_19995	Pi conserved hypothetical protein (983 nt)	0	14	0
PITG_19997	Pi transmembrane protein, putative (2844 nt)	0	6	0
PITG_19999	Pi 40S ribosomal protein S14 (808 nt)	862	1356	89
PITG_20005	Pi ATP-binding Cassette (ABC) Superfamily (3483 nt)	9	96	13
PITG_20009	Pi conserved hypothetical protein (531 nt)	11	11	0
PITG_20017	Pi diacylglycerol O-acyltransferase, putative (1296 nt)	6	7	0
PITG_20024	Pi hypothetical protein (816 nt)	0	1	0
PITG_20026	Pi conserved hypothetical protein (387 nt)	0	5	0
PITG_20027	Pi Major Facilitator Superfamily (MFS) (1638 nt)	4	13	0
PITG_20032	Pi conserved hypothetical protein (2200 nt)	4	14	0
PITG_20033	Pi conserved hypothetical protein (1003 nt)	9	63	0
PITG_20034	Pi methyltransferase domain-containing protein, putat	4	20	0
PITG_20035	Pi conserved hypothetical protein (1113 nt)	6	43	0
PITG_20037	Pi hypothetical protein (1299 nt)	17	10	0
PITG_20040	Pi conserved hypothetical protein (1107 nt)	6	15	0
PITG_20041	Pi conserved hypothetical protein (2287 nt)	4	40	0

PITG_20043	Pi conserved hypothetical protein (1810 nt)	3	14	0
PITG_20044	Pi hypothetical protein (1462 nt)	5	11	0
PITG_20045	Pi hypothetical protein (793 nt)	8	20	0
PITG_20046	Pi conserved hypothetical protein (978 nt)	10	63	0
PITG_20047	Pi 2-isopropylmalate synthase, putative (630 nt)	26	4	0
PITG_20053	Pi conserved hypothetical protein (558 nt)	0	5	0
PITG_20055	Pi ATP-binding Cassette (ABC) Superfamily (2164 nt)	10	25	0
PITG_20061	Pi conserved hypothetical protein (681 nt)	1	12	0
PITG_20066	Pi maltose O-acetyltransferase, putative (543 nt)	0	0	0
PITG_20073	Pi pyruvate-flavodoxin oxidoreductase, putative (1733 nt)	0	58	0
PITG_20074	Pi flavodoxin-like protein (537 nt)	17	174	0
PITG_20077	Pi conserved hypothetical protein (1269 nt)	14	29	0
PITG_20078	Pi conserved hypothetical protein (1193 nt)	0	17	0
PITG_20079	Pi conserved hypothetical protein (1225 nt)	12	178	0
PITG_20080	Pi carbohydrate-binding protein, putative (1664 nt)	0	1	0
PITG_20081	Pi conserved hypothetical protein (5295 nt)	5	46	0
PITG_20086	Pi conserved hypothetical protein (1361 nt)	7	33	0
PITG_20087	Pi conserved hypothetical protein (729 nt)	18	31	0
PITG_20088	Pi Sulfate Permease (SulP) Family (2784 nt)	8	32	0
PITG_20094	Pi hypothetical protein (2087 nt)	0	0	0
PITG_20102	Pi conserved hypothetical protein (1556 nt)	3	14	1
PITG_20103	Pi mitogen-activated protein kinase, putative (4065 nt)	1	11	0
PITG_20105	Pi putative methyltransferase, putative (851 nt)	14	86	0
PITG_20109	Pi Voltage-gated Ion Channel (VIC) Superfamily (4534 nt)	1	14	0
PITG_20110	Pi conserved hypothetical protein (1747 nt)	1	11	0
PITG_20115	Pi adenylate kinase, putative (1616 nt)	2	5	0
PITG_20116	Pi 50S ribosomal protein L15 (847 nt)	42	25	1
PITG_20117	Pi 3-ketodihydrosphingosine reductase, putative (1075 nt)	26	25	0
PITG_20118	Pi 50S ribosomal protein L15 (753 nt)	10	61	3
PITG_20120	Pi hypothetical protein (234 nt)	1	17	0
PITG_20121	Pi conserved hypothetical protein (772 nt)	50	84	0
PITG_20125	Pi conserved hypothetical protein (494 nt)	35	78	0
PITG_20128	Pi transmembrane protein, putative (1342 nt)	2	12	0
PITG_20130	Pi aldehyde dehydrogenase, putative (1370 nt)	37	39	0
PITG_20139	Pi Resistance-Nodulation-Cell Division (RND) Superfamily (1500 nt)	6	274	2
PITG_20140	Pi conserved hypothetical protein (1737 nt)	150	33	0
PITG_20146	Pi Drug/Metabolite Transporter (DMT) Superfamily (1500 nt)	6	23	1
PITG_20148	Pi conserved hypothetical protein (3544 nt)	0	5	0
PITG_20152	Pi conserved hypothetical protein (6347 nt)	2	21	0
PITG_20153	Pi Voltage-gated Ion Channel (VIC) Superfamily (8061 nt)	0	7	0
PITG_20156	Pi cAMP-dependent protein kinase catalytic subunit, putative (1500 nt)	5	19	0
PITG_20157	Pi Axonemal Inner Arm I1 Intermediate Chain Dynein (ICAD) (1500 nt)	0	3	0
PITG_20159	Pi Voltage-gated Ion Channel (VIC) Superfamily (7118 nt)	0	14	0
PITG_20160	Pi conserved hypothetical protein (2291 nt)	0	14	0
PITG_20167	Pi Crinkler (CRN) family protein, pseudogene (2511 nt)	169	25	0
PITG_20168	Pi Crinkler (CRN) family protein, pseudogene (2557 nt)	242	882	2
PITG_20173	Pi NADH ubiquinone oxidoreductase subunit, putative (1500 nt)	71	169	5

PITG_20174	Pi carbohydrate-binding protein, putative (1564 nt)	3	37	0
PITG_20178	Pi conserved hypothetical protein (243 nt)	70	164	0
PITG_20186	Pi conserved hypothetical protein (927 nt)	3	83	0
PITG_20188	Pi 60S ribosomal protein L5 (1120 nt)	761	786	110
PITG_20189	Pi 60S ribosomal protein L14, putative (710 nt)	657	776	57
PITG_20192	Pi ORM1-like protein (783 nt)	43	354	2
PITG_20193	Pi Rab5 family GTPase, putative (872 nt)	31	291	2
PITG_20194	Pi protein mago nashi (912 nt)	1	27	8
PITG_20195	Pi transcription factor Dp-1 (1620 nt)	2	12	0
PITG_20196	Pi hypothetical protein (555 nt)	1105	572	0
PITG_20197	Pi histone acetyltransferase, putative (2061 nt)	8	35	0
PITG_20199	Pi Crinkler (CRN) family protein, pseudogene (770 nt)	1	0	0
PITG_20200	Pi vacuolar protein sorting-associated protein, putative	0	26	0
PITG_20201	Pi Divalent Anion:Na Symporter (DASS) Family (2907 n	3	31	0
PITG_20202	Pi conserved hypothetical protein (1366 nt)	12	22	0
PITG_20203	Pi Hect-domain containing peotein, putative (7079 nt)	2	29	0
PITG_20204	Pi conserved hypothetical protein (6207 nt)	0	14	0
PITG_20205	Pi integrator complex subunit 3, putative (3387 nt)	2	16	0
PITG_20206	Pi ADP-ribosylation factor family (1099 nt)	8	39	0
PITG_20208	Pi conserved hypothetical protein (3284 nt)	18	31	0
PITG_20209	Pi conserved hypothetical protein (1670 nt)	24	23	1
PITG_20211	Pi phosphatidylinositol N-acetylglucosaminyltransferas	1	10	0
PITG_20212	Pi intraflagellar transport protein 172 (5418 nt)	0	29	0
PITG_20215	Pi conserved hypothetical protein (930 nt)	25	26	0
PITG_20216	Pi hypothetical protein (533 nt)	3	65	0
PITG_20217	Pi hypothetical protein (878 nt)	2	38	0
PITG_20218	Pi hypothetical protein (629 nt)	0	19	0
PITG_20221	Pi sporangia induced phosphatidyl inositol kinase (1863	0	7	0
PITG_20222	Pi conserved hypothetical protein (1839 nt)	0	15	0
PITG_20223	Pi carbohydrate esterase, putative (470 nt)	2	36	0
PITG_20230	Pi Amino Acid/Auxin Permease (AAP) Family (1497 nt)	0	0	0
PITG_20234	Pi conserved hypothetical protein (1138 nt)	2	9	0
PITG_20235	Pi conserved hypothetical protein (1161 nt)	2	17	0
PITG_20236	Pi conserved hypothetical protein (1559 nt)	1	19	0
PITG_20239	Pi ATP-binding Cassette (ABC) Superfamily (5838 nt)	0	14	0
PITG_20240	Pi aspartyl-tRNA synthetase, putative (1045 nt)	6	24	0
PITG_20241	Pi transmembrane protein, putative (1626 nt)	0	63	0
PITG_20247	Pi hypothetical protein (2075 nt)	0	12	0
PITG_20248	Pi conserved hypothetical protein (562 nt)	0	11	0
PITG_20249	Pi conserved hypothetical protein (1358 nt)	2	17	0
PITG_20251	Pi Sulfate Permease (SulP) Family (2784 nt)	22	27	0
PITG_20253	Pi Large Conductance Mechanosensitive Ion Channel (M	6	12	0
PITG_20254	Pi large conductance mechanosensitive channel, putati	0	30	0
PITG_20260	Pi ADP-ribosylation factor family (456 nt)	5	33	0
PITG_20263	Pi conserved hypothetical protein (549 nt)	0	17	0
PITG_20264	Pi 40S ribosomal protein S13 (784 nt)	538	634	51
PITG_20265	Pi conserved hypothetical protein (3215 nt)	1	11	0

PITG_20266	Pi proteasome assembly chaperone, putative (1413 nt)	3	19	0
PITG_20272	Pi methylenetetrahydrofolate reductase, putative (831 nt)	1	37	0
PITG_20273	Pi conserved hypothetical protein (1789 nt)	3	51	0
PITG_20274	Pi conserved hypothetical protein (1244 nt)	12	67	0
PITG_20281	Pi GTP-dependent nucleic acid-binding protein engD (1413 nt)	15	61	1
PITG_20284	Pi hypothetical protein (998 nt)	0	15	0
PITG_20285	Pi adenylate kinase, putative (2334 nt)	0	1	0
PITG_20286	Pi conserved hypothetical protein (891 nt)	0	5	0
PITG_20287	Pi kinesin-like protein (1714 nt)	5	8	0
PITG_20288	Pi conserved hypothetical protein (1103 nt)	38	51	1
PITG_20289	Pi carbohydrate-binding protein, putative (1402 nt)	4	26	0
PITG_20291	Pi Ammonium Transporter (Amt) Family (1011 nt)	0	1	0
PITG_20293	Pi hypothetical protein (228 nt)	13	9	0
PITG_20295	Pi conserved hypothetical protein (1230 nt)	0	4	0
PITG_20296	Pi ATP-dependent Clp protease ATP-binding subunit clpX (1115 nt)	16	59	0
PITG_20302	Pi conserved hypothetical protein (1115 nt)	0	40	0
PITG_20306	Pi transmembrane protein, putative (1668 nt)	17	41	0
PITG_20307	Pi conserved hypothetical protein (1010 nt)	10	40	0
PITG_20311	Pi conserved hypothetical protein (501 nt)	28	28	0
PITG_20313	Pi Cation Diffusion Facilitator (CDF) Family (988 nt)	9	31	0
PITG_20316	Pi exportin-like protein (2743 nt)	0	15	0
PITG_20317	Pi GTP-dependent nucleic acid-binding protein engD, p (1413 nt)	21	32	0
PITG_20319	Pi glycoside hydrolase, putative (984 nt)	6	37	0
PITG_20320	Pi retinol dehydrogenase, putative (693 nt)	2	26	0
PITG_20321	Pi retinol dehydrogenase, putative (1053 nt)	19	125	0
PITG_20324	Pi conserved hypothetical protein (1335 nt)	6	422	0
PITG_20330	Pi trafficking protein particle complex subunit 10, putative (1878 nt)	2	13	0
PITG_20331	Pi conserved hypothetical protein (1878 nt)	2	9	0
PITG_20332	Pi conserved hypothetical protein (4246 nt)	0	2	0
PITG_20333	Pi conserved hypothetical protein (1223 nt)	0	14	0
PITG_20337	Pi conserved hypothetical protein (1056 nt)	41	6	76
PITG_20344	Pi conserved hypothetical protein (1577 nt)	2	15	1
PITG_20345	Pi conserved hypothetical protein (1221 nt)	18	95	1
PITG_20347	Pi Drug/Metabolite Transporter (DMT) Superfamily (1011 nt)	4	19	1
PITG_20350	Pi D-amino acid dehydrogenase small subunit, putative (1413 nt)	14	43	0
PITG_20354	Pi hypothetical protein (649 nt)	8	152	0
PITG_20355	Pi conserved hypothetical protein (555 nt)	19	97	0
PITG_20362	Pi conserved hypothetical protein (1466 nt)	0	232	0
PITG_20370	Pi Amino Acid/Auxin Permease (AAP) Family (1560 nt)	3	20	0
PITG_20374	Pi conserved hypothetical protein (2933 nt)	57	83	0
PITG_20377	Pi tRNA pseudouridine synthase (1476 nt)	1	7	0
PITG_20378	Pi conserved hypothetical protein (1596 nt)	3	17	0
PITG_20379	Pi conserved hypothetical protein (1779 nt)	2	4	0
PITG_20381	Pi hypothetical protein (791 nt)	24	46	0
PITG_20382	Pi conserved hypothetical protein (492 nt)	68	36	0
PITG_20383	Pi conserved hypothetical protein (1221 nt)	72	192	2
PITG_20384	Pi conserved hypothetical protein (1483 nt)	22	118	1

PITG_20385	Pi 3-oxo-5-alpha-steroid 4-dehydrogenase, putative (60	8	16	0
PITG_20386	Pi eukaryotic translation initiation factor 5B (2919 nt)	5	31	1
PITG_20388	Pi conserved hypothetical protein (1307 nt)	60	88	1
PITG_20397	Pi conserved hypothetical protein (1646 nt)	1	4	0
PITG_20400	Pi conserved hypothetical protein (652 nt)	17	33	0
PITG_20406	Pi hypothetical protein (2190 nt)	3	89	0
PITG_20412	Pi putative GPI-anchored serine rich elicitor SOL13E-like	40	117	4
PITG_20413	Pi putative GP-anchored serine-rich elicitor INL13-like p	0	1	0
PITG_20425	Pi Crinkler (CRN) family protein, pseudogene (2573 nt)	111	357	1
PITG_20434	Pi hypothetical protein (587 nt)	8	25	0
PITG_20435	Pi EF hand containing protein, putative (1097 nt)	0	1	0
PITG_20458	Pi conserved hypothetical protein (1046 nt)	1	0	0
PITG_20463	Pi vacuolar protein sorting-associated protein 33A, put	2	24	0
PITG_20464	Pi conserved hypothetical protein (991 nt)	0	0	0
PITG_20465	Pi fructokinase, putative (1073 nt)	33	133	26
PITG_20468	Pi conserved hypothetical protein (714 nt)	19	16	0
PITG_20484	Pi conserved hypothetical protein (782 nt)	0	64	0
PITG_20485	Pi conserved hypothetical protein (2224 nt)	0	25	0
PITG_20486	Pi conserved hypothetical protein (420 nt)	10	4	0
PITG_20487	Pi conserved hypothetical protein (1031 nt)	2	217	6
PITG_20488	Pi conserved hypothetical protein (403 nt)	1	64	0
PITG_20489	Pi mucin-like protein (2163 nt)	1	147	5
PITG_20490	Pi conserved hypothetical protein (928 nt)	0	74	1
PITG_20491	Pi fumarylacetoacetase (1806 nt)	10	117	0
PITG_20492	Pi conserved hypothetical protein (2911 nt)	0	11	0
PITG_20494	Pi conserved hypothetical protein (384 nt)	6	28	0
PITG_20496	Pi conserved hypothetical protein (3585 nt)	0	24	0
PITG_20498	Pi conserved hypothetical protein (1405 nt)	10	64	0
PITG_20502	Pi histone-lysine N-methyltransferase, putative (9032 r	7	23	0
PITG_20503	Pi conserved hypothetical protein (1925 nt)	23	7	0
PITG_20504	Pi conserved hypothetical protein (1002 nt)	1	15	0
PITG_20505	Pi conserved hypothetical protein (637 nt)	26	44	0
PITG_20506	Pi conserved hypothetical protein (5792 nt)	1	10	0
PITG_20518	Pi sporangia induced hypothetical protein (1250 nt)	0	0	0
PITG_20521	Pi hypothetical protein (351 nt)	2	16	0
PITG_20522	Pi conserved hypothetical protein (513 nt)	2	8	0
PITG_20525	Pi conserved hypothetical protein (737 nt)	1	17	0
PITG_20526	Pi conserved hypothetical protein (3370 nt)	0	5	0
PITG_20527	Pi DNA polymerase delta catalytic subunit (5630 nt)	1	12	0
PITG_20528	Pi conserved hypothetical protein (2340 nt)	5	18	0
PITG_20529	Pi conserved hypothetical protein (4934 nt)	0	27	0
PITG_20533	Pi conserved hypothetical protein (989 nt)	11	17	0
PITG_20534	Pi conserved hypothetical protein (859 nt)	0	26	0
PITG_20537	Pi conserved hypothetical protein (1243 nt)	5	5	0
PITG_20539	Pi conserved hypothetical protein (1868 nt)	2	8	0
PITG_20548	Pi conserved hypothetical protein (1859 nt)	3	27	0
PITG_20556	Pi hypothetical protein (1091 nt)	31	0	0

PITG_20559	Pi conserved hypothetical protein (991 nt)	2	26	0
PITG_20562	Pi RAC family serine/threonine-protein kinase (4989 nt)	9	84	0
PITG_20563	Pi conserved hypothetical protein (2207 nt)	3	7	0
PITG_20568	Pi hypothetical protein (1211 nt)	10	17	0
PITG_20571	Pi alkyldihydroxyacetonephosphate synthase, peroxiso	2	10	1
PITG_20579	Pi conserved hypothetical protein (669 nt)	0	25	0
PITG_20585	Pi AhpC/TSA family Redoxin, putative (2885 nt)	10	64	2
PITG_20589	Pi cathepsin, cysteine protease family C01A, putative (:	45	122	1
PITG_20590	Pi cleavage induced conserved hypothetical protein (12	7	50	0
PITG_20591	Pi conserved hypothetical protein (1398 nt)	0	1	0
PITG_20593	Pi conserved hypothetical protein (1968 nt)	6	5	0
PITG_20600	Pi protein kinase (441 nt)	0	2	0
PITG_20604	Pi conserved hypothetical protein (480 nt)	2	4	0
PITG_20608	Pi conserved hypothetical protein (1443 nt)	8	22	0
PITG_20609	Pi conserved hypothetical protein (1579 nt)	0	10	0
PITG_20610	Pi conserved hypothetical protein (1065 nt)	1	13	0
PITG_20611	Pi nucleoporin-like protein (1199 nt)	42	140	0
PITG_20615	Pi conserved hypothetical protein (1342 nt)	107	115	0
PITG_20617	Pi conserved hypothetical protein (594 nt)	0	8	0
PITG_20619	Pi pirin (1082 nt)	19	912	0
PITG_20623	Pi conserved hypothetical protein (405 nt)	3	7	0
PITG_20628	Pi conserved hypothetical protein (4791 nt)	0	2	0
PITG_20629	Pi DNA-directed RNA polymerase III subunit RPC8, puta	12	17	0
PITG_20630	Pi Cation Diffusion Facilitator (CDF) Family (984 nt)	4	16	0
PITG_20631	Pi conserved hypothetical protein (813 nt)	0	2	0
PITG_20632	Pi hypothetical protein (912 nt)	3	7	0
PITG_20633	Pi Major Facilitator Superfamily (MFS) (441 nt)	0	12	0
PITG_20637	Pi conserved hypothetical protein (2541 nt)	3	10	0
PITG_20638	Pi hypothetical protein (1499 nt)	2	6	0
PITG_20641	Pi Crinkler (CRN) family protein, pseudogene (2044 nt)	193	35	0
PITG_20652	Pi conserved hypothetical protein (615 nt)	3	20	0
PITG_20657	Pi conserved hypothetical protein (760 nt)	1	16	0
PITG_20671	Pi conserved hypothetical protein (649 nt)	7	50	0
PITG_20672	Pi methyltransferase domain-containing protein, putat	5	15	0
PITG_20675	Pi conserved hypothetical protein (1808 nt)	36	22	0
PITG_20676	Pi beta-glucosidase, putative (2430 nt)	1	14	0
PITG_20679	Pi conserved hypothetical protein (498 nt)	3	197	0
PITG_20681	Pi ATP-binding Cassette (ABC) superfamily (2764 nt)	0	94	0
PITG_20682	Pi ATP-binding Cassette (ABC) Superfamily (1965 nt)	0	39	0
PITG_20683	Pi conserved hypothetical protein (855 nt)	2	13	0
PITG_20685	Pi conserved hypothetical protein (393 nt)	16	33	1
PITG_20686	Pi hypothetical protein (273 nt)	41	66	5
PITG_20687	Pi ribulose-phosphate 3-epimerase (753 nt)	18	42	0
PITG_20689	Pi eukaryotic translation initiation factor 3 subunit H, p	19	36	3
PITG_20692	Pi EF hand containing protein, putative (1367 nt)	0	1	0
PITG_20693	Pi crinkler (CRN) family protein, pseudogene (2824 nt)	11	52	0
PITG_20706	Pi conserved hypothetical protein (1552 nt)	0	20	0

PITG_20709	Pi conserved hypothetical protein (580 nt)	3	12	0
PITG_20711	Pi Folate-Biopterin Transporter (FBT) Family (981 nt)	7	5	0
PITG_20714	Pi putative E3 ubiquitin-protein ligase MARCH6 (memb	9	24	0
PITG_20715	Pi deoxyribodipyrimidine photolyase, putative (1763 nt)	2	6	0
PITG_20716	Pi conserved hypothetical protein (1027 nt)	0	0	0
PITG_20717	Pi conserved hypothetical protein (4711 nt)	11	60	0
PITG_20718	Pi conserved hypothetical protein (1161 nt)	22	53	2
PITG_20719	Pi conserved hypothetical protein (972 nt)	21	80	1
PITG_20725	Pi histone H3.3 type 1 (656 nt)	122	239	9
PITG_20727	Pi conserved hypothetical protein (3130 nt)	22	69	0
PITG_20728	Pi conserved hypothetical protein (840 nt)	33	109	0
PITG_20731	Pi conserved hypothetical protein (4509 nt)	2	16	0
PITG_20734	Pi conserved hypothetical protein (785 nt)	68	116	0
PITG_20739	Pi hypothetical protein (558 nt)	0	0	0
PITG_20741	Pi hypothetical protein (623 nt)	0	0	0
PITG_20742	Pi conserved hypothetical protein (955 nt)	7	26	0
PITG_20743	Pi nuclear transport factor, putative (702 nt)	83	116	4
PITG_20744	Pi conserved hypothetical protein (641 nt)	3	0	0
PITG_20745	Pi Intraflagellar Transport Protein 52 (1678 nt)	19	8	0
PITG_20746	Pi protein enhancer of rudimentary (501 nt)	129	280	4
PITG_20747	Pi transcription elongation factor B polypeptide 1 (564	54	38	0
PITG_20749	Pi sporangia induced conserved hypothetical protein (9	1	0	0
PITG_20755	Pi conserved hypothetical protein (477 nt)	74	78	0
PITG_20759	Pi dihydroxy-acid dehydratase (1899 nt)	40	61	2
PITG_20760	Pi peptidyl-prolyl cis-trans isomerase B precursor (715	12	8	0
PITG_20762	Pi conserved hypothetical protein (813 nt)	11	40	0
PITG_20765	Pi conserved hypothetical protein (728 nt)	1	13	0
PITG_20766	Pi protein kinase, putative (2115 nt)	5	14	0
PITG_20767	Pi protein kinase, putative (1986 nt)	13	63	0
PITG_20770	Pi protein kinase (747 nt)	0	14	0
PITG_20773	Pi conserved hypothetical protein (1446 nt)	2	41	0
PITG_20774	Pi conserved hypothetical protein (2992 nt)	23	25	0
PITG_20775	Pi adenylate kinase, putative (1847 nt)	12	29	7
PITG_20777	Pi hypothetical protein (584 nt)	207	124	5
PITG_20779	Pi hypothetical protein (693 nt)	1	16	0
PITG_20780	Pi ATPase (3841 nt)	1	27	0
PITG_20783	Pi hypothetical protein (1593 nt)	2	16	0
PITG_20787	Pi conserved hypothetical protein (3251 nt)	4	18	0
PITG_20790	Pi DEAD/DEAH box RNA helicase, putative (1698 nt)	5	10	0
PITG_20791	Pi ADP-ribosylation factor family (689 nt)	3	3	0
PITG_20792	Pi soluble calcium-activated nucleotidase, putative (130	22	43	0
PITG_20793	Pi conserved hypothetical protein (361 nt)	53	63	0
PITG_20794	Pi conserved hypothetical protein (1264 nt)	20	66	0
PITG_20795	Pi ribosomal protein (659 nt)	821	496	68
PITG_20796	Pi conserved hypothetical protein (688 nt)	58	24	0
PITG_20797	Pi tubulin-specific chaperone B, putative (928 nt)	4	25	0
PITG_20798	Pi ribosomal protein S17, putative (423 nt)	26	34	1

PITG_20799	Pi conserved hypothetical protein (863 nt)	22	62	1
PITG_20800	Pi conserved hypothetical protein (1264 nt)	16	23	0
PITG_20801	Pi conserved hypothetical protein (1059 nt)	0	12	0
PITG_20803	Pi conserved hypothetical protein (1947 nt)	11	12	0
PITG_20805	Pi hypothetical protein (273 nt)	3	101	0
PITG_20808	Pi serine/threonine protein kinase (1349 nt)	6	27	0
PITG_20809	Pi conserved hypothetical protein (747 nt)	1	10	0
PITG_20815	Pi ATP-binding Cassette (ABC) Superfamily (1008 nt)	49	851	0
PITG_20818	Pi conserved hypothetical protein (792 nt)	18	5	0
PITG_20819	Pi conserved hypothetical protein (1799 nt)	6	33	0
PITG_20820	Pi conserved hypothetical protein (3315 nt)	2	20	0
PITG_20823	Pi conserved hypothetical protein (943 nt)	1	19	0
PITG_20824	Pi aspartyl-tRNA synthetase, putative (659 nt)	3	12	0
PITG_20825	Pi conserved hypothetical protein (516 nt)	8	17	0
PITG_20830	Pi conserved hypothetical protein (3586 nt)	15	109	0
PITG_20831	Pi conserved hypothetical protein (4202 nt)	2	19	0
PITG_20836	Pi conserved hypothetical protein (1774 nt)	0	13	0
PITG_20838	Pi conserved hypothetical protein (1921 nt)	5	12	0
PITG_20842	Pi conserved hypothetical protein (522 nt)	0	4	0
PITG_20844	Pi conserved hypothetical protein (1697 nt)	0	1	0
PITG_20849	Pi alcohol dehydrogenase, putative (1090 nt)	1	8	0
PITG_20854	Pi conserved hypothetical protein (486 nt)	0	9	0
PITG_20855	Pi conserved hypothetical protein (1206 nt)	30	34	1
PITG_20858	Pi hypothetical protein (1227 nt)	2	27	0
PITG_20861	Pi ATP-binding Cassette (ABC) Superfamily (474 nt)	3	11	0
PITG_20866	Pi beta-glucan synthesis-associated protein (2232 nt)	2	31	0
PITG_20868	Pi beta-glucan synthesis-associated protein, putative (2	2	47	0
PITG_20893	Pi conserved hypothetical protein (1325 nt)	6	14	0
PITG_20895	Pi beta-glucan synthesis-associated protein, putative (2	1	10	0
PITG_20901	Pi voltage-dependent anion-selective channel protein,	124	208	22
PITG_20902	Pi outer dynein arm-docking complex subunit 3 (803 nt)	0	0	0
PITG_20903	Pi exosome complex exonuclease RRP40, putative (152	10	20	0
PITG_20904	Pi small nuclear ribonucleoprotein Sm D1 (424 nt)	23	60	1
PITG_20906	Pi conserved hypothetical protein (433 nt)	20	23	0
PITG_20907	Pi cobalamin synthesis protein, putative (1297 nt)	2	29	0
PITG_20908	Pi conserved hypothetical protein (2363 nt)	1	15	0
PITG_20909	Pi conserved hypothetical protein (831 nt)	2	16	0
PITG_20917	Pi sulfatase-like protein (939 nt)	0	0	0
PITG_20927	Pi trehalose-phosphatase, putative (2751 nt)	0	13	0
PITG_20928	Pi condensin complex subunit, putative (4274 nt)	4	29	0
PITG_20931	Pi conserved hypothetical protein (433 nt)	0	15	0
PITG_20944	Pi conserved hypothetical protein (1984 nt)	2	15	0
PITG_20945	Pi conserved hypothetical protein (735 nt)	3	12	0
PITG_20947	Pi conserved hypothetical protein (454 nt)	4	0	0
PITG_20954	Pi conserved hypothetical protein (948 nt)	2	22	0
PITG_20966	Pi hypothetical protein (1577 nt)	8	12	0
PITG_20970	Pi triosephosphate isomerase/glyceraldehyde-3-phosp	13	132	32

PITG_20977 | Pi conserved hypothetical protein (1610 nt)	1	117	0
PITG_20985 | Pi fibronectin type III domain-containing protein (4156 nt)	0	5	0
PITG_20987 | Pi conserved hypothetical protein (455 nt)	1	2	0
PITG_20989 | Pi conserved hypothetical protein (2292 nt)	16	14	3
PITG_20994 | Pi conserved hypothetical protein (3079 nt)	21	117	0
PITG_20999 | Pi conserved hypothetical protein (2109 nt)	15	28	0
PITG_21000 | Pi conserved hypothetical protein (2349 nt)	25	67	0
PITG_21003 | Pi conserved hypothetical protein (804 nt)	0	11	0
PITG_21005 | Pi conserved hypothetical protein (1281 nt)	11	20	0
PITG_21006 | Pi O-phosphoseryl-tRNA(Sec) selenium transferase, putative	9	60	0
PITG_21010 | Pi eukaryotic translation initiation factor 3 subunit, putative	5	21	0
PITG_21011 | Pi 14 kDa zinc-binding protein (608 nt)	36	38	0
PITG_21012 | Pi conserved hypothetical protein (931 nt)	22	65	0
PITG_21013 | Pi kinesin-associated protein, putative (2124 nt)	0	6	0
PITG_21014 | Pi conserved hypothetical protein (2481 nt)	2	17	0
PITG_21017 | Pi hydrocephalus-inducing protein, putative (13327 nt)	0	5	0
PITG_21018 | Pi expressed protein (1433 nt)	43	38	0
PITG_21022 | Pi P-type ATPase (P-ATPase) Superfamily (4173 nt)	0	9	0
PITG_21023 | Pi conserved hypothetical protein (1979 nt)	6	32	0
PITG_21024 | Pi conserved hypothetical protein (2342 nt)	14	224	0
PITG_21026 | Pi conserved hypothetical protein (2173 nt)	13	80	1
PITG_21027 | Pi conserved hypothetical protein (1341 nt)	34	158	6
PITG_21028 | Pi mannosyl-oligosaccharide glucosidase, putative (923 nt)	3	18	0
PITG_21033 | Pi conserved hypothetical protein (321 nt)	0	0	0
PITG_21037 | Pi conserved hypothetical protein (401 nt)	0	76	0
PITG_21040 | Pi conserved hypothetical protein (1900 nt)	0	0	1
PITG_21041 | Pi conserved hypothetical protein (2342 nt)	0	5	0
PITG_21042 | Pi conserved hypothetical protein (1237 nt)	2	66	0
PITG_21046 | Pi glycoside hydrolase, putative (1012 nt)	3	15	0
PITG_21047 | Pi conserved hypothetical protein (1099 nt)	0	30	0
PITG_21048 | Pi conserved hypothetical protein (659 nt)	9	24	0
PITG_21049 | Pi conserved hypothetical protein (466 nt)	32	45	0
PITG_21054 | Pi conserved hypothetical protein (1243 nt)	5	20	0
PITG_21055 | Pi LAG1 longevity assurance (1284 nt)	14	39	0
PITG_21056 | Pi conserved hypothetical protein (309 nt)	21	4	0
PITG_21059 | Pi conserved hypothetical protein (870 nt)	2	52	4
PITG_21065 | Pi conserved hypothetical protein (2122 nt)	0	0	0
PITG_21067 | Pi conserved hypothetical protein (1059 nt)	2	18	0
PITG_21071 | Pi threonyl-tRNA synthetase (2235 nt)	11	74	3
PITG_21074 | Pi conserved hypothetical protein (1617 nt)	4	4	0
PITG_21075 | Pi conserved hypothetical protein (684 nt)	11	20	0
PITG_21077 | Pi DNA-directed RNA polymerase II largest subunit (620 nt)	3	45	0
PITG_21110 | Pi Mitochondrial Carrier (MC) Family (1080 nt)	4	5	0
PITG_21111 | Pi conserved hypothetical protein (614 nt)	6	82	0
PITG_21114 | Pi conserved hypothetical protein (1530 nt)	3	44	0
PITG_21117 | Pi malate synthase, glyoxysomal, putative (1780 nt)	61	329	0
PITG_21121 | Pi hypothetical protein (132 nt)	78	143	0

PITG_21127	Pi adenine phosphoribosyltransferase, putative (624 nt)	2	41	0
PITG_21128	Pi succinyl CoA transferase, putative (1914 nt)	38	265	0
PITG_21132	Pi conserved hypothetical protein (568 nt)	32	36	0
PITG_21133	Pi hypothetical protein (905 nt)	4	28	0
PITG_21140	Pi conserved hypothetical protein (950 nt)	2	13	0
PITG_21141	Pi ATP-binding Cassette (ABC) superfamily (1744 nt)	0	3	0
PITG_21144	Pi conserved hypothetical protein (3569 nt)	1	19	0
PITG_21146	Pi conserved hypothetical protein (1271 nt)	8	39	0
PITG_21149	Pi conserved hypothetical protein (1645 nt)	0	13	0
PITG_21150	Pi Folate-Biopterin Transporter (FBT) Family (1554 nt)	5	10	0
PITG_21151	Pi Annexin (Annexin) Family (1009 nt)	7	373	0
PITG_21154	Pi conserved hypothetical protein (1440 nt)	0	14	0
PITG_21156	Pi Drug/Metabolite Transporter (DMT) Superfamily (97	2	13	0
PITG_21163	Pi GAF domain-containing protein (2247 nt)	0	5	0
PITG_21166	Pi conserved hypothetical protein (1556 nt)	0	8	0
PITG_21170	Pi conserved hypothetical protein (446 nt)	13	14	0
PITG_21171	Pi conserved hypothetical protein (596 nt)	24	27	0
PITG_21172	Pi protein phosphatase 1E, putative (2060 nt)	42	60	0
PITG_21173	Pi nucleotide-binding protein 1 (1186 nt)	30	69	1
PITG_21174	Pi D-cysteine desulfhydrase, putative (1314 nt)	39	90	1
PITG_21175	Pi conserved hypothetical protein (796 nt)	2	10	0
PITG_21176	Pi transportin-like protein (3101 nt)	14	39	0
PITG_21178	Pi conserved hypothetical protein (2751 nt)	2	11	0
PITG_21179	Pi conserved hypothetical protein (876 nt)	1	19	0
PITG_21180	Pi conserved hypothetical protein (1029 nt)	3	10	0
PITG_21181	Pi conserved hypothetical protein (3348 nt)	0	13	0
PITG_21182	Pi apoptosis-inducing factor 1, putative (1743 nt)	20	58	0
PITG_21183	Pi conserved hypothetical protein (2061 nt)	23	52	0
PITG_21184	Pi conserved hypothetical protein (1355 nt)	9	11	0
PITG_21185	Pi RPS6 protein kinase (2016 nt)	12	48	0
PITG_21186	Pi conserved hypothetical protein (972 nt)	13	49	0
PITG_21187	Pi myoferlin-like protein (6294 nt)	3	35	0
PITG_21190	Pi secreted RxLR effector peptide, putative (1020 nt)	3	35	0
PITG_21196	Pi hypothetical protein (397 nt)	9	8	0
PITG_21199	Pi hypothetical protein (721 nt)	0	11	0
PITG_21202	Pi conserved hypothetical protein (1899 nt)	2	1	0
PITG_21203	Pi conserved hypothetical protein (1229 nt)	5	43	0
PITG_21208	Pi conserved hypothetical protein (357 nt)	0	0	0
PITG_21209	Pi conserved hypothetical protein (1158 nt)	33	46	0
PITG_21210	Pi conserved hypothetical protein (1694 nt)	7	20	0
PITG_21211	Pi conserved hypothetical protein (1583 nt)	7	41	0
PITG_21212	Pi conserved hypothetical protein (1560 nt)	9	15	0
PITG_21213	Pi conserved hypothetical protein (394 nt)	9	19	0
PITG_21215	Pi transmembrane protein, putative (1222 nt)	2	22	0
PITG_21216	Pi hypothetical protein (306 nt)	1	20	0
PITG_21219	Pi conserved hypothetical protein (1781 nt)	9	35	0
PITG_21220	Pi Rab28 family GTPase, putative (708 nt)	3	3	0

PITG_21222	Pi conserved hypothetical protein (2926 nt)	2	9	0
PITG_21224	Pi conserved hypothetical protein (879 nt)	68	18	0
PITG_21238	Pi secreted RxLR effector peptide, putative (384 nt)	0	1	1
PITG_21255	Pi conserved hypothetical protein (2166 nt)	0	52	0
PITG_21256	Pi conserved hypothetical protein (478 nt)	1	106	0
PITG_21257	Pi conserved hypothetical protein (721 nt)	10	212	0
PITG_21258	Pi conserved hypothetical protein (1986 nt)	0	0	0
PITG_21277	Pi conserved hypothetical protein (1053 nt)	8	24	0
PITG_21278	Pi isochorismatase, putative (728 nt)	30	132	1
PITG_21279	Pi conserved hypothetical protein (526 nt)	4	30	0
PITG_21280	Pi conserved hypothetical protein (373 nt)	2	18	1
PITG_21282	Pi conserved hypothetical protein (393 nt)	9	39	0
PITG_21283	Pi conserved hypothetical protein (533 nt)	12	34	1
PITG_21284	Pi leukotriene A-4 hydrolase, putative (2778 nt)	0	14	0
PITG_21285	Pi hypothetical protein (794 nt)	1	0	0
PITG_21286	Pi conserved hypothetical protein (466 nt)	0	17	0
PITG_21289	Pi polysaccharide lyase, putative (694 nt)	15	5	0
PITG_21295	Pi 12-oxophytodienoate reductase, putative (923 nt)	1	12	0
PITG_21302	Pi conserved hypothetical protein (513 nt)	1	1	0
PITG_21303	Pi secreted RxLR effector peptide, putative, 3' partial (6	308	0	1
PITG_21308	Pi choline dehydrogenase, putative (1732 nt)	8	9	0
PITG_21309	Pi histone deacetylase, putative (1432 nt)	4	7	0
PITG_21310	Pi conserved hypothetical protein (440 nt)	0	17	0
PITG_21312	Pi conserved hypothetical protein (510 nt)	0	44	0
PITG_21313	Pi glucokinase, putative (933 nt)	307	87	3
PITG_21314	Pi conserved hypothetical protein (1180 nt)	20	5	0
PITG_21316	Pi protein phosphatase methylesterase, putative (1485	8	23	0
PITG_21317	Pi transmembrane protein, putative (840 nt)	3	14	0
PITG_21325	Pi crinkler (CRN) domain, pseudogene (1454 nt)	174	674	4
PITG_21328	Pi hypothetical protein (1028 nt)	10	16	0
PITG_21329	Pi Zinc (Zn ²⁺)-Iron (Fe ²⁺) Permease (ZIP) Family (657 nt)	10	29	0
PITG_21333	Pi hypothetical protein (1330 nt)	17	183	11
PITG_21334	Pi conserved hypothetical protein (1330 nt)	14	19	0
PITG_21335	Pi conserved hypothetical protein (737 nt)	0	15	1
PITG_21336	Pi patatin like protein (3426 nt)	0	16	0
PITG_21349	Pi aspartyl-tRNA synthetase, putative (1043 nt)	6	52	0
PITG_21351	Pi conserved hypothetical protein (1050 nt)	3	16	0
PITG_21352	Pi conserved hypothetical protein (3558 nt)	1	1	0
PITG_21363	Pi putative GPI-anchored serine-threonine rich hypoth	1	0	2
PITG_21364	Pi conserved hypothetical protein (1826 nt)	0	10	0
PITG_21371	Pi conserved hypothetical protein (599 nt)	0	1	0
PITG_21372	Pi protein kinase (774 nt)	0	15	0
PITG_21377	Pi conserved hypothetical protein (1445 nt)	15	78	0
PITG_21378	Pi protein disulfide-isomerase, putative (1781 nt)	123	839	38
PITG_21379	Pi conserved hypothetical protein (589 nt)	2	5	0
PITG_21380	Pi conserved hypothetical protein (1311 nt)	9	42	0
PITG_21384	Pi hypothetical protein (1601 nt)	0	1	0

PITG_21389	Pi conserved hypothetical protein (717 nt)	17	21	0
PITG_21393	Pi eukaryotic translation initiation factor 3 subunit A, p	4	42	3
PITG_21394	Pi cobalamin synthesis protein, putative (1194 nt)	11	44	0
PITG_21395	Pi CBL-interacting serine/threonine-protein kinase, put	53	256	4
PITG_21396	Pi conserved hypothetical protein (993 nt)	4	33	0
PITG_21397	Pi ribose-phosphate pyrophosphokinase, putative (151	10	42	0
PITG_21398	Pi DEAD/DEAH box RNA helicase, putative (3288 nt)	4	32	0
PITG_21400	Pi protein kinase (1076 nt)	18	24	0
PITG_21409	Pi hypothetical protein (1891 nt)	1	10	0
PITG_21410	Pi elicitin-like protein INF4 (459 nt)	14	2	30
PITG_21416	Pi conserved hypothetical protein (4115 nt)	5	9	0
PITG_21418	Pi conserved hypothetical protein (4089 nt)	5	12	0
PITG_21419	Pi conserved hypothetical protein (1162 nt)	4	12	0
PITG_21437	Pi conserved hypothetical protein (1202 nt)	0	11	0
PITG_21442	Pi EF hand containing protein, putative (631 nt)	0	4	0
PITG_21451	Pi conserved hypothetical protein (4362 nt)	0	4	0
PITG_21457	Pi choline transporter-like protein (2414 nt)	1	26	0
PITG_21458	Pi conserved hypothetical protein (2035 nt)	1	27	0
PITG_21466	Pi conserved hypothetical protein (485 nt)	1	12	0
PITG_21480	Pi conserved hypothetical protein (605 nt)	3	19	0
PITG_21482	Pi conserved hypothetical protein (1096 nt)	2	14	0
PITG_21488	Pi Annexin (Annexin) Family (1207 nt)	92	1863	30
PITG_21492	Pi conserved hypothetical protein (2918 nt)	9	15	0
PITG_21495	Pi hypothetical protein (743 nt)	4	11	0
PITG_21501	Pi calcium/calmodulin dependent protein kinase, putat	1	14	0
PITG_21502	Pi conserved hypothetical protein (417 nt)	13	18	0
PITG_21504	Pi cyclin-dependent kinase, putative (1162 nt)	25	17	0
PITG_21505	Pi conserved hypothetical protein (651 nt)	113	39	0
PITG_21507	Pi sterol 3-beta-glucosyltransferase, putative (3531 nt)	1	17	0
PITG_21508	Pi conserved hypothetical protein (466 nt)	32	82	1
PITG_21509	Pi conserved hypothetical protein (1726 nt)	6	15	0
PITG_21510	Pi ubiquitin-conjugating enzyme E2, putative (882 nt)	46	142	0
PITG_21511	Pi myosin-like protein (2489 nt)	0	17	0
PITG_21514	Pi conserved hypothetical protein (845 nt)	13	11	0
PITG_21516	Pi memo-like protein (1521 nt)	100	67	0
PITG_21517	Pi 2-oxoglutarate dehydrogenase E1 component, putat	69	61	0
PITG_21518	Pi conserved hypothetical protein (752 nt)	8	8	0
PITG_21522	Pi conserved hypothetical protein (1510 nt)	0	30	0
PITG_21523	Pi cytochrome P450, putative (1965 nt)	1	39	0
PITG_21525	Pi conserved hypothetical protein (3571 nt)	61	207	0
PITG_21528	Pi GAF domain-containing protein (2073 nt)	7	8	0
PITG_21531	Pi carbohydrate-binding protein, putative (1688 nt)	0	29	0
PITG_21535	Pi conserved hypothetical protein (3847 nt)	0	2	0
PITG_21536	Pi HECT ubiquitin ligase, putative (1180 nt)	3	2	0
PITG_21540	Pi Resistance-Nodulation-Cell Division (RND) Superfami	3	196	1
PITG_21544	Pi conserved hypothetical protein (1151 nt)	0	71	0
PITG_21552	Pi sulfhydryl oxidase, putative (1480 nt)	0	13	0

PITG_21553	Pi thioredoxin-like protein (1306 nt)	2	33	0
PITG_21556	Pi conserved hypothetical protein (1813 nt)	34	91	0
PITG_21557	Pi conserved hypothetical protein (685 nt)	17	18	0
PITG_21568	Pi histone H1, putative (779 nt)	263	17	0
PITG_21571	Pi conserved hypothetical protein (1127 nt)	2	14	0
PITG_21573	Pi conserved hypothetical protein (441 nt)	1	17	0
PITG_21579	Pi adenylate kinase, putative (768 nt)	9	14	0
PITG_21581	Pi conserved hypothetical protein (824 nt)	12	40	0
PITG_21582	Pi tetrahydrofolate dehydrogenase (998 nt)	0	23	2
PITG_21584	Pi hypothetical protein (2912 nt)	0	0	0
PITG_21590	Pi conserved hypothetical protein (2627 nt)	1	1	0
PITG_21591	Pi conserved hypothetical protein (1045 nt)	0	7	0
PITG_21593	Pi conserved hypothetical protein (1785 nt)	2	18	0
PITG_21595	Pi conserved hypothetical protein (1718 nt)	4	12	0
PITG_21596	Pi actin-related protein 2/3 complex subunit, putative (	35	65	0
PITG_21597	Pi conserved hypothetical protein (1385 nt)	6	9	0
PITG_21598	Pi conserved hypothetical protein (1836 nt)	7	8	0
PITG_21599	Pi conserved hypothetical protein (1744 nt)	3	19	0
PITG_21600	Pi conserved hypothetical protein (1281 nt)	5	13	0
PITG_21601	Pi conserved hypothetical protein (5258 nt)	1	17	0
PITG_21602	Pi pro-apoptotic serine protease nma111-like protein (	11	24	0
PITG_21607	Pi serine protease family S10, putative (1508 nt)	12	146	0
PITG_21617	Pi cell division protein kinase, putative (2339 nt)	8	5	0
PITG_21618	Pi Voltage-gated Ion Channel (VIC) Superfamily (821 nt)	15	19	0
PITG_21619	Pi homoserine O-acetyltransferase, putative (927 nt)	4	8	0
PITG_21620	Pi fumarylacetoacetate (FAA) hydrolase, putative (1135	14	18	1
PITG_21621	Pi cysteine protease family (429 nt)	0	1	0
PITG_21626	Pi ATP-binding cassette protein, putative (4435 nt)	10	21	0
PITG_21627	Pi conserved hypothetical protein (752 nt)	9	21	0
PITG_21634	Pi hypothetical protein (804 nt)	0	11	0
PITG_21639	Pi M96 mating-specific protein family (1088 nt)	1	15	0
PITG_21640	Pi conserved hypothetical protein (926 nt)	56	25	0
PITG_21642	Pi conserved hypothetical protein (463 nt)	22	22	0
PITG_21643	Pi vacuolar protein sorting-associated protein 29 (650 r	6	69	0
PITG_21644	Pi UDP-N-acetylglucosamine transporter, putative (174	3	10	0
PITG_21648	Pi RXLR effector family, putative (1819 nt)	14	0	0
PITG_21658	Pi conserved hypothetical protein (4189 nt)	75	291	0
PITG_21660	Pi trehalase, putative (2103 nt)	2	13	0
PITG_21661	Pi eukaryotic initiation factor 4E, putative (903 nt)	9	52	1
PITG_21665	Pi conserved hypothetical protein (1266 nt)	1	10	0
PITG_21667	Pi conserved hypothetical protein (1008 nt)	1	0	0
PITG_21668	Pi F-box protein, putative (1142 nt)	0	16	0
PITG_21687	Pi conserved hypothetical protein (533 nt)	0	16	0
PITG_21688	Pi conserved hypothetical protein (2520 nt)	2	9	0
PITG_21699	Pi conserved hypothetical protein (482 nt)	3	37	0
PITG_21706	Pi conserved hypothetical protein (1444 nt)	9	50	0
PITG_21716	Pi conserved hypothetical protein (534 nt)	0	15	0

PITG_21718 | Pi conserved hypothetical protein (599 nt)	0	15	0
PITG_21720 | Pi conserved hypothetical protein (1298 nt)	3	11	0
PITG_21723 | Pi ATP-binding Cassette (ABC) Superfamily (3223 nt)	0	27	0
PITG_21724 | Pi conserved hypothetical protein (2546 nt)	0	14	0
PITG_21727 | Pi conserved hypothetical protein (4364 nt)	4	34	0
PITG_21737 | Pi hypothetical protein (462 nt)	117	4	449
PITG_21759 | Pi cytochrome P450, putative (2672 nt)	1	23	1
PITG_21762 | Pi conserved hypothetical protein (1042 nt)	0	2	0
PITG_21763 | Pi conserved hypothetical protein (1462 nt)	1	5	0
PITG_21764 | Pi caltractin (690 nt)	4	7	0
PITG_21765 | Pi conserved hypothetical protein (1047 nt)	9	90	0
PITG_21766 | Pi conserved hypothetical protein (605 nt)	47	206	0
PITG_21767 | Pi similar to sea slug pheromone (795 nt)	0	39	0
PITG_21773 | Pi hypothetical protein (1354 nt)	0	21	0
PITG_21781 | Pi conserved hypothetical protein (965 nt)	0	2	0
PITG_21784 | Pi conserved hypothetical protein (1308 nt)	0	21	0
PITG_21794 | Pi conserved hypothetical protein (683 nt)	2	1	0
PITG_21802 | Pi conserved hypothetical protein (3033 nt)	1	6	0
PITG_21806 | Pi fumarylacetoacetase (1812 nt)	26	193	1
PITG_21807 | Pi conserved hypothetical protein (2911 nt)	2	25	0
PITG_21811 | Pi conserved hypothetical protein (378 nt)	0	0	0
PITG_21816 | Pi conserved hypothetical protein (1525 nt)	13	55	0
PITG_21827 | Pi Rab11 family GTPase, putative (730 nt)	12	15	8
PITG_21828 | Pi conserved hypothetical protein (836 nt)	3	11	0
PITG_21829 | Pi conserved hypothetical protein (786 nt)	35	50	0
PITG_21841 | Pi transmembrane protein, putative (587 nt)	11	11	0
PITG_21842 | Pi conserved hypothetical protein (859 nt)	11	9	0
PITG_21848 | Pi conserved hypothetical protein (413 nt)	16	8	0
PITG_21851 | Pi hypothetical protein (864 nt)	39	312	0
PITG_21852 | Pi diphthamide biosynthesis protein, putative (1635 nt)	1	11	0
PITG_21853 | Pi transmembrane protein, putative (1840 nt)	3	16	0
PITG_21854 | Pi cAMP protein kinase (1375 nt)	0	1	0
PITG_21872 | Pi myosin-like protein (1703 nt)	62	87	0
PITG_21873 | Pi conserved hypothetical protein (945 nt)	6	37	0
PITG_21875 | Pi conserved hypothetical protein (1070 nt)	0	11	0
PITG_21876 | Pi conserved hypothetical protein (991 nt)	0	0	0
PITG_21877 | Pi conserved hypothetical protein (665 nt)	1	23	0
PITG_21879 | Pi transmembrane protein Gpr7 (1715 nt)	18	48	0
PITG_21880 | Pi conserved hypothetical protein (1177 nt)	23	55	0
PITG_21886 | Pi histidyl-tRNA synthetase (2747 nt)	2	12	1
PITG_21887 | Pi Major Facilitator Superfamily (MFS) (1489 nt)	5	25	0
PITG_21888 | Pi hypothetical protein (942 nt)	2	1	0
PITG_21889 | Pi conserved hypothetical protein (2801 nt)	1	11	0
PITG_21894 | Pi conserved hypothetical protein (630 nt)	0	30	0
PITG_21908 | Pi HECT E3 ubiquitin ligase, putative (1985 nt)	14	29	0
PITG_21909 | Pi conserved hypothetical protein (979 nt)	6	27	0
PITG_21914 | Pi conserved hypothetical protein (958 nt)	2	6	0

PITG_21918	Pi amino acid/auxin permease-like protein (561 nt)	3	37	0
PITG_21923	Pi conserved hypothetical protein (1163 nt)	0	0	0
PITG_21926	Pi conserved hypothetical protein (718 nt)	3	127	0
PITG_21932	Pi hypothetical protein (919 nt)	99	89	0
PITG_21937	Pi conserved hypothetical protein (1908 nt)	0	0	0
PITG_21939	Pi conserved hypothetical protein (1147 nt)	6	13	0
PITG_21940	Pi cytochrome P450, putative (1575 nt)	0	11	0
PITG_21941	Pi alpha-1,2 glucosyltransferase alg-10 (995 nt)	2	32	0
PITG_21942	Pi conserved hypothetical protein (532 nt)	1	20	0
PITG_21944	Pi conserved hypothetical protein (937 nt)	9	15	0
PITG_21945	Pi NmrA-like family protein, putative (1022 nt)	0	0	0
PITG_21960	Pi conserved hypothetical protein (777 nt)	10	39	0
PITG_21961	Pi conserved hypothetical protein (1683 nt)	2	2	0
PITG_21962	Pi alpha,alpha-trehalose-phosphate synthase [UDP-fori	2	24	0
PITG_21963	Pi Crinkler (CRN) family protein, pseudogene (1286 nt)	308	687	2
PITG_21981	Pi carbonic anhydrase, putative (857 nt)	0	15	0
PITG_21983	Pi hypothetical protein (2294 nt)	41	7	0
PITG_21987	Pi protein phosphatase 2C, putative (735 nt)	135	60	0
PITG_21988	Pi conserved hypothetical protein (1305 nt)	18	2	0
PITG_21993	Pi conserved hypothetical protein (967 nt)	13	20	0
PITG_21994	Pi conserved hypothetical protein (901 nt)	13	18	0
PITG_22000	Pi conserved hypothetical protein (366 nt)	3	6	0
PITG_22001	Pi Major Facilitator Superfamily (MFS) (624 nt)	5	12	0
PITG_22007	Pi conserved hypothetical protein (436 nt)	84	143	0
PITG_22016	Pi conserved hypothetical protein (624 nt)	70	951	0
PITG_22017	Pi Crinkler (CRN) family protein (536 nt)	0	40	0
PITG_22020	Pi eukaryotic initiation factor 4E, putative (1651 nt)	11	61	3
PITG_22021	Pi HECT E3 ubiquitin ligase, putative (1995 nt)	3	10	0
PITG_22022	Pi cysteine protease family C01A, putative (1504 nt)	0	0	0
PITG_22035	Pi conserved hypothetical protein (1467 nt)	1	19	0
PITG_22037	Pi hypothetical protein (988 nt)	4	1	0
PITG_22038	Pi conserved hypothetical protein (937 nt)	4	18	0
PITG_22040	Pi transmembrane protein, putative (556 nt)	6	24	0
PITG_22047	Pi E3 ubiquitin-protein ligase HERC, putative (1561 nt)	0	1	0
PITG_22053	Pi NPP1-like protein (798 nt)	5	6	1
PITG_22056	Pi conserved hypothetical protein (714 nt)	2	19	0
PITG_22057	Pi conserved hypothetical protein (1659 nt)	2	18	0
PITG_22062	Pi conserved hypothetical protein (874 nt)	239	100	0
PITG_22064	Pi conserved hypothetical protein (349 nt)	598	1831	22
PITG_22065	Pi conserved hypothetical protein (1121 nt)	262	694	8
PITG_22069	Pi arginase, putative (598 nt)	12	34	0
PITG_22075	Pi conserved hypothetical protein (1121 nt)	0	17	0
PITG_22076	Pi conserved hypothetical protein (546 nt)	23	2	0
PITG_22087	Pi ATP-binding Cassette (ABC) Superfamily (4098 nt)	4	45	0
PITG_22091	Pi potential noncoding RNA (521 nt)	0	0	0
PITG_22094	Pi conserved hypothetical protein (1454 nt)	0	11	0
PITG_22095	Pi beta-glucosidase, putative (1900 nt)	0	6	0

PITG_22103	Pi triosephosphate isomerase/glyceraldehyde-3-phosp	35	72	9
PITG_22104	Pi conserved hypothetical protein (482 nt)	2	0	38
PITG_22105	Pi conserved hypothetical protein (1578 nt)	25	63	0
PITG_22108	Pi conserved hypothetical protein (857 nt)	4	34	0
PITG_22112	Pi conserved hypothetical protein (1037 nt)	3	1	0
PITG_22113	Pi conserved hypothetical protein (1068 nt)	5	4	0
PITG_22117	Pi transglutaminase elicitor-like protein (1112 nt)	1	67	0
PITG_22122	Pi conserved hypothetical protein (1748 nt)	2	17	0
PITG_22124	Pi P-type ATPase (P-ATPase) Superfamily (3539 nt)	1	62	0
PITG_22125	Pi conserved hypothetical protein (519 nt)	0	16	0
PITG_22126	Pi conserved hypothetical protein (2049 nt)	3	26	0
PITG_22127	Pi conserved hypothetical protein (1097 nt)	4	18	0
PITG_22129	Pi conserved hypothetical protein (576 nt)	0	0	0
PITG_22134	Pi ATP-binding Cassette (ABC) Superfamily (1288 nt)	1	10	0
PITG_22135	Pi 60S ribosomal protein L10a-1 (895 nt)	671	779	87
PITG_22141	Pi conserved hypothetical protein (1282 nt)	0	18	0
PITG_22149	Pi conserved hypothetical protein (1248 nt)	2	9	0
PITG_22150	Pi conserved hypothetical protein (976 nt)	0	0	0
PITG_22157	Pi Major Facilitator Superfamily (MFS) (1483 nt)	7	3	72
PITG_22159	Pi conserved hypothetical protein (1564 nt)	3	10	0
PITG_22163	Pi L-aminoadipate-semialdehyde dehydrogenase, putat	3	40	0
PITG_22164	Pi conserved hypothetical protein (502 nt)	5	14	0
PITG_22165	Pi conserved hypothetical protein (1306 nt)	70	84	0
PITG_22191	Pi conserved hypothetical protein (1022 nt)	3	11	0
PITG_22198	Pi conserved hypothetical protein (722 nt)	4	23	0
PITG_22200	Pi conserved hypothetical protein (955 nt)	112	110	3
PITG_22203	Pi conserved hypothetical protein (771 nt)	3	8	0
PITG_22204	Pi conserved hypothetical protein (829 nt)	2	17	0
PITG_22238	Pi conserved hypothetical protein (2150 nt)	0	24	0
PITG_22241	Pi conserved hypothetical protein (549 nt)	8	12	0
PITG_22247	Pi conserved hypothetical protein (2879 nt)	0	0	0
PITG_22249	Pi hypothetical protein (616 nt)	6	39	2
PITG_22253	Pi hypothetical protein (633 nt)	10	38	0
PITG_22264	Pi ribosomal protein S6 kinase alpha-5, putative (1950	33	85	0
PITG_22267	Pi conserved hypothetical protein (597 nt)	0	12	0
PITG_22277	Pi conserved hypothetical protein (1008 nt)	3	24	0
PITG_22286	Pi Crinkler (CRN) family protein, pseudogene (924 nt)	45	56	0
PITG_22301	Pi conserved hypothetical protein (1371 nt)	3	21	0
PITG_22303	Pi hypothetical protein (1440 nt)	41	60	0
PITG_22311	Pi conserved hypothetical protein (2017 nt)	16	18	0
PITG_22313	Pi delta-1-pyrroline-5-carboxylate synthetase, putative	19	5	0
PITG_22319	Pi UDP-glucose 4-epimerase, putative (1287 nt)	52	65	0
PITG_22323	Pi ribosome biogenesis protein RLP24 (675 nt)	8	4	0
PITG_22333	Pi CTD small phosphatase-like protein, putative (957 nt)	3	1	0
PITG_22334	Pi Amino Acid-Polyamine-Organocation (APC) Family (5	3	17	0
PITG_22339	Pi conserved hypothetical protein (937 nt)	2	28	0
PITG_22340	Pi conserved hypothetical protein (641 nt)	14	22	0

PITG_22343	Pi conserved hypothetical protein (921 nt)	4	8	4
PITG_22350	Pi hypothetical protein (288 nt)	5	5	0
PITG_22353	Pi geranylgeranyl transferase type-1 subunit beta, puta	6	37	0
PITG_22354	Pi hypothetical protein (586 nt)	46	99	0
PITG_22358	Pi conserved hypothetical protein (1483 nt)	8	11	0
PITG_22363	Pi major Facilitator Superfamily (MFS)-like protein (448	0	0	11
PITG_22369	Pi conserved hypothetical protein (2056 nt)	5	11	0
PITG_22378	Pi conserved hypothetical protein (1441 nt)	0	13	0
PITG_22381	Pi methylenetetrahydrofolate reductase, putative (184	2	41	0
PITG_22383	Pi glycoside hydrolase, putative (1436 nt)	8	25	0
PITG_22389	Pi conserved hypothetical protein (1110 nt)	1	25	0
PITG_22394	Pi conserved hypothetical protein (1648 nt)	0	28	0
PITG_22398	Pi conserved hypothetical protein (596 nt)	28	40	0
PITG_22404	Pi conserved hypothetical protein (1419 nt)	6	25	0
PITG_22406	Pi conserved hypothetical protein (957 nt)	82	202	15
PITG_22409	Pi hypothetical protein (978 nt)	18	40	0
PITG_22413	Pi hypothetical protein (1130 nt)	18	4	0
PITG_22414	Pi conserved hypothetical protein (372 nt)	1	15	0
PITG_22415	Pi conserved hypothetical protein (482 nt)	11	9	0
PITG_22416	Pi conserved hypothetical protein (990 nt)	709	0	2
PITG_22418	Pi conserved hypothetical protein (481 nt)	7	29	0
PITG_22419	Pi hypothetical protein (461 nt)	3	12	0
PITG_22427	Pi ubiquitin-specific protease, putative (777 nt)	3	16	0
PITG_22428	Pi conserved hypothetical protein (488 nt)	1	23	0
PITG_22430	Pi conserved hypothetical protein (673 nt)	6	21	0
PITG_22431	Pi conserved hypothetical protein (835 nt)	4	60	0
PITG_22432	Pi Zinc (Zn ²⁺)-Iron (Fe ²⁺) Permease (ZIP) Family (981 nt)	0	2	0
PITG_22433	Pi conserved hypothetical protein (1203 nt)	2	224	0
PITG_22439	Pi conserved hypothetical protein (330 nt)	14	49	0
PITG_22450	Pi conserved hypothetical protein (1316 nt)	6	52	0
PITG_22453	Pi conserved hypothetical protein (691 nt)	0	11	0
PITG_22458	Pi conserved hypothetical protein (451 nt)	0	9	0
PITG_22459	Pi HSF-type DNA-binding protein, putative (909 nt)	3	21	0
PITG_22462	Pi conserved hypothetical protein (337 nt)	12	64	9
PITG_22468	Pi conserved hypothetical protein (438 nt)	7	43	0
PITG_22475	Pi conserved hypothetical protein (956 nt)	1	13	46
PITG_22477	Pi conserved hypothetical protein (558 nt)	16	13	0
PITG_22479	Pi conserved hypothetical protein (512 nt)	0	1	0
PITG_22486	Pi conserved hypothetical protein (482 nt)	5	16	0
PITG_22491	Pi conserved hypothetical protein (687 nt)	3	27	0
PITG_22505	Pi conserved hypothetical protein (1198 nt)	1	13	0
PITG_22508	Pi conserved hypothetical protein (1300 nt)	1	14	0
PITG_22510	Pi conserved hypothetical protein (632 nt)	0	11	0
PITG_22517	Pi dynein heavy chain (1942 nt)	1	0	0
PITG_22522	Pi conserved hypothetical protein (446 nt)	40	224	1
PITG_22523	Pi eukaryotic translation initiation factor 3 subunit A, p	0	11	0
PITG_22524	Pi conserved hypothetical protein (1004 nt)	0	40	0

PITG_22527 | Pi conserved hypothetical protein (446 nt)	9	18	0
PITG_22529 | Pi conserved hypothetical protein (1086 nt)	2	13	0
PITG_22541 | Pi 60S ribosomal export protein NMD3, putative (1203 nt)	28	17	0
PITG_22544 | Pi conserved hypothetical protein (723 nt)	0	2	0
PITG_22548 | Pi hypothetical protein similar to phosphatidylinositol 3-kinase (1077 nt)	0	18	0
PITG_22549 | Pi deoxyribose-phosphate aldolase 1 (860 nt)	9	10	0
PITG_22552 | Pi hypothetical protein (1511 nt)	32	46	0
PITG_22555 | Pi conserved hypothetical protein (1343 nt)	1	22	0
PITG_22557 | Pi amino acid/auxin permease-like protein (807 nt)	6	25	0
PITG_22562 | Pi croquemort-like mating protein, putative (1555 nt)	0	5	1
PITG_22566 | Pi conserved hypothetical protein (1366 nt)	3	17	0
PITG_22568 | Pi nuclease, putative (1077 nt)	10	41	0
PITG_22569 | Pi geranylgeranyl transferase type-2 subunit beta (946 nt)	5	13	0
PITG_22572 | Pi C-1-tetrahydrofolate synthase, putative (1111 nt)	14	106	2
PITG_22575 | Pi Drug/Metabolite Transporter (DMT) Superfamily (1077 nt)	3	17	0
PITG_22577 | Pi conserved hypothetical protein (357 nt)	23	23	0
PITG_22585 | Pi conserved hypothetical protein (980 nt)	8	3	0
PITG_22587 | Pi oxidoreductase, putative (487 nt)	5	20	0
PITG_22590 | Pi conserved hypothetical protein (436 nt)	1	21	0
PITG_22598 | Pi amino acid/auxin permease-like protein (282 nt)	7	6	0
PITG_22600 | Pi conserved hypothetical protein (804 nt)	0	18	0
PITG_22611 | Pi protein recA (641 nt)	3	19	0
PITG_22616 | Pi conserved hypothetical protein (1030 nt)	0	21	0
PITG_22618 | Pi conserved hypothetical protein (656 nt)	8	13	0
PITG_22624 | Pi Major Facilitator Superfamily (MFS) (702 nt)	28	207	0
PITG_22625 | Pi conserved hypothetical protein (982 nt)	6	30	0
PITG_22626 | Pi conserved hypothetical protein (808 nt)	0	22	0
PITG_22628 | Pi hypothetical protein (589 nt)	18	131	0
PITG_22629 | Pi conserved hypothetical protein (591 nt)	0	3	0
PITG_22632 | Pi polysaccharide lyase, putative (385 nt)	0	29	0
PITG_22634 | Pi conserved hypothetical protein (543 nt)	20	9	0
PITG_22638 | Pi conserved hypothetical protein (455 nt)	3	17	0
PITG_22639 | Pi conserved hypothetical protein (566 nt)	0	4	0
PITG_22644 | Pi conserved hypothetical protein (662 nt)	15	20	0
PITG_22646 | Pi conserved hypothetical protein (498 nt)	8	19	0
PITG_22657 | Pi elongation factor 1-alpha, putative (278 nt)	151	567	158
PITG_22658 | Pi Annexin (Annexin) Family (594 nt)	21	663	28
PITG_22662 | Pi cyclin-dependent kinase, putative (1188 nt)	5	13	0
PITG_22666 | Pi conserved hypothetical protein (654 nt)	23	83	1
PITG_22667 | Pi conserved hypothetical protein (1285 nt)	0	0	0
PITG_22668 | Pi NPP1-like protein (1560 nt)	1	8	0
PITG_22669 | Pi NPP1-like protein, pseudogene (732 nt)	0	2	17
PITG_22670 | Pi PcF and SCR74-like cys-rich secreted peptide, putative (1344 nt)	1344	347	560
PITG_22671 | Pi protein kinase, putative, pseudogene (819 nt)	4	29	0
PITG_22672 | Pi conserved hypothetical protein (3078 nt)	3	9	0
PITG_22675 | Pi secreted RxLR effector peptide, putative (363 nt)	0	0	1
PITG_22676 | Pi secreted RxLR effector peptide, putative (486 nt)	25	4	0

PITG_22677	| Pi PcF and SCR74-like cys-rich secreted peptide, putativ	1	0	9
PITG_22680	| Pi conserved hypothetical protein (318 nt)	0	53	0
PITG_22683	| Pi secreted RxLR effector peptide, putative (522 nt)	0	12	0
PITG_22684	| Pi peptidyl-prolyl cis-trans isomerase, putative (1394 nt)	2	10	0
PITG_22685	| Pi dihydroxy-acid dehydratase, putative (1869 nt)	29	62	2
PITG_22686	| Pi protein kinase (8109 nt)	0	0	0
PITG_22687	| Pi HECT E3 ubiquitin ligase, putative (2500 nt)	15	27	0
PITG_22688	| Pi trans-aconitate 2-methyltransferase, putative (928 nt)	9	14	0
PITG_22689	| Pi hypothetical protein (1677 nt)	9	2	0
PITG_22715	| Pi serine/threonine protein kinase (4687 nt)	1	12	0
PITG_22716	| Pi M96 mating-specific protein family (1613 nt)	5	21	0
PITG_22717	| Pi elicitor-like protein (420 nt)	9	10	0
PITG_22718	| Pi conserved hypothetical protein (1518 nt)	3	63	0
PITG_22719	| Pi phosphatidylinositol kinase (PIK-G2) (4244 nt)	2	17	0
PITG_22734	| Pi NPP1-like protein, 3' partial (567 nt)	2	5	0
PITG_22742	| Pi conserved hypothetical protein (459 nt)	9	0	2
PITG_22743	| Pi dihydrolipoyllysine-residue succinyltransferase complex	32	70	1
PITG_22758	| Pi arabinofuranosidase (1062 nt)	0	0	10
PITG_22763	| Pi conserved oligomeric Golgi complex subunit, putative	3	12	0
PITG_22764	| Pi cysteine synthase, putative (1625 nt)	19	52	0
PITG_22765	| Pi conserved hypothetical protein (937 nt)	7	36	0
PITG_22795	| Pi conserved hypothetical protein (1113 nt)	0	0	0
PITG_22802	| Pi secreted RxLR effector peptide, putative (225 nt)	15	0	0
PITG_22810	| Pi conserved hypothetical protein (768 nt)	19	20	0
PITG_22816	| Pi secreted RxLR effector peptide, putative (246 nt)	1	11	3
PITG_22817	| Pi conserved hypothetical protein (234 nt)	0	0	0
PITG_22823	| Pi expressed protein (507 nt)	0	22	0
PITG_22827	| Pi Crinkler (CRN) family protein, pseudogene (304 nt)	28	17	0
PITG_22828	| Pi secreted RxLR effector peptide, putative (408 nt)	6	20	0
PITG_22830	| Pi Crinkler (CRN) family protein, pseudogene (498 nt)	74	123	0
PITG_22831	| Pi Crinkler (CRN) family protein (1416 nt)	3	9	0
PITG_22835	| Pi Crinkler (CRN) family protein, pseudogene (2322 nt)	85	339	2
PITG_22839	| Pi nuclear mitotic apparatus protein, putative (5941 nt)	1	22	0
PITG_22840	| Pi peroxisomal (S)-2-hydroxy-acid oxidase, putative (12	1	26	0
PITG_22846	| Pi elicitor-like protein (375 nt)	0	0	0
PITG_22848	| Pi Crinkler (CRN) family protein (1146 nt)	444	1072	6
PITG_22850	| Pi Crinkler (CRN) family protein, pseudogene (2401 nt)	263	370	0
PITG_22851	| Pi conserved hypothetical protein (771 nt)	0	13	0
PITG_22856	| Pi Crinkler (CRN) family protein (2421 nt)	12	22	0
PITG_22857	| Pi DNA repair protein RAD5, SWI/SNF-related matrix-associated	0	13	0
PITG_22858	| Pi conserved hypothetical protein (1335 nt)	2	12	0
PITG_22859	| Pi conserved hypothetical protein (468 nt)	1	14	0
PITG_22860	| Pi Crinkler (CRN) family protein, pseudogene (237 nt)	76	146	0
PITG_22861	| Pi conserved hypothetical protein (1655 nt)	0	0	0
PITG_22862	| Pi conserved hypothetical protein (762 nt)	0	0	0
PITG_22865	| Pi propionyl coenzyme A carboxylase (Pi-PCC1) (2295 nt)	10	58	0
PITG_22870	| Pi avr2 secreted RxLR effector peptide, putative (351 nt)	1	0	3

PITG_22874	Pi Crinkler (CRN) family protein, pseudogene (2555 nt)	0	17	0
PITG_22878	Pi zonadhesin-like protein (1343 nt)	1	3	0
PITG_22894	Pi secreted RxLR effector peptide, putative (276 nt)	2	2	7
PITG_22896	Pi secreted RxLR effector peptide, putative (585 nt)	9	0	20
PITG_22908	Pi PcF and SCR74-like cys-rich secreted peptide, putativ	34	0	136
PITG_22918	Pi conserved hypothetical protein (1214 nt)	0	22	0
PITG_22919	Pi conserved hypothetical protein (674 nt)	2	23	0
PITG_22922	Pi secreted RxLR effector peptide, putative (1467 nt)	11	1	0
PITG_22924	Pi conserved hypothetical protein (1410 nt)	2	14	0
PITG_22927	Pi hypothetical protein (834 nt)	0	1	0
PITG_22928	Pi glutaryl-CoA dehydrogenase, putative (1897 nt)	51	67	0
PITG_22931	Pi conserved hypothetical protein (1266 nt)	5	0	0
PITG_22933	Pi secreted RxLR effector peptide, putative (483 nt)	42	33	1
PITG_22939	Pi Crinkler (CRN) family protein, pseudogene (1654 nt)	65	0	0
PITG_22944	Pi secreted peptide, putative, 3' partial (1327 nt)	0	0	0
PITG_22946	Pi acyl-protein thioesterase, putative (903 nt)	22	80	2
PITG_22947	Pi acyl-protein thioesterase, putative (817 nt)	1	0	0
PITG_22951	Pi similar to sea slug pheromone (261 nt)	9	8	2
PITG_22957	Pi conserved hypothetical protein (1545 nt)	0	0	0
PITG_22958	Pi conserved hypothetical protein (1679 nt)	10	26	0
PITG_22959	Pi protein kinase, putative (1777 nt)	53	727	0
PITG_22961	Pi conserved hypothetical protein (657 nt)	5	6	1
PITG_22982	Pi conserved hypothetical protein (393 nt)	1	11	0
PITG_22989	Pi mitogen-activated protein kinase kinase, putative (41	2	9	0
PITG_22991	Pi conserved hypothetical protein (1248 nt)	2	48	0
PITG_22995	Pi protease inhibitor Epi5 (267 nt)	11	105	1
PITG_22997	Pi conserved hypothetical protein (957 nt)	1	10	0
PITG_23005	Pi conserved hypothetical protein (630 nt)	811	1654	59
PITG_23007	Pi histidine kinase (6042 nt)	0	13	0
PITG_23029	Pi Crinkler (CRN) family protein, pseudogene (1794 nt)	53	24	0
PITG_23034	Pi Regulator of G protein signaling (2740 nt)	0	0	0
PITG_23045	Pi isoamyl acetate-hydrolyzing esterase, putative (735	6	0	0
PITG_23048	Pi secreted RxLR effector peptide, putative (483 nt)	47	20	0
PITG_23049	Pi cyst germination specific acidic repeat protein precu	0	39	0
PITG_23058	Pi conserved hypothetical protein (2172 nt)	0	0	0
PITG_23063	Pi Crinkler (CRN) family protein (585 nt)	57	192	0
PITG_23065	Pi general transcription factor IIH subunit, putative (491	4	16	0
PITG_23066	Pi phosphatidylinositol 4-phosphate 5-kinase (PIP5K-D11	3	7	0
PITG_23087	Pi Crinkler (CRN) family protein (1296 nt)	76	702	0
PITG_23088	Pi Crinkler (CRN) family protein (1302 nt)	121	405	0
PITG_23090	Pi protein kinase, putative (2448 nt)	8	73	0
PITG_23093	Pi NPP1-like protein, pseudogene (701 nt)	1	0	2
PITG_23109	Pi protein kinase, putative (1847 nt)	10	3	0
PITG_23111	Pi crinkler (CRN) family protein, putative (1296 nt)	361	1380	29
PITG_23112	Pi expressed protein (596 nt)	174	39	0
PITG_23113	Pi GPN-loop GTPase 1 (1108 nt)	3	12	0
PITG_23128	Pi katanin p80 subunit (2680 nt)	5	18	0

PITG_23134 | Pi conserved hypothetical protein (390 nt)	1	25	1
PITG_23139 | Pi conserved hypothetical protein (309 nt)	0	13	0
PITG_23141 | Pi cyclin-dependent kinase, putative (1847 nt)	3	5	0
PITG_23142 | Pi peptidylprolyl isomerase (2241 nt)	2	11	0
PITG_23143 | Pi protein kinase, putative (2392 nt)	5	76	0
PITG_23144 | Pi Crinkler (CRN) family protein, pseudogene (7122 nt)	14	198	13
PITG_23149 | Pi conserved hypothetical protein (1170 nt)	1	9	0
PITG_23155 | Pi Crinkler (CRN) family protein, pseudogene (1862 nt)	21	195	0
PITG_23158 | Pi isocitrate dehydrogenase, putative (1269 nt)	5	27	0
PITG_23159 | Pi HECT E3 ubiquitin ligase, putative (5214 nt)	3	24	0
PITG_23160 | Pi histone deacetylase, putative (4814 nt)	2	25	0
PITG_23165 | Pi Crinkler (CRN) family protein (1293 nt)	212	435	0
PITG_23170 | Pi conserved hypothetical protein (660 nt)	4	3	0
PITG_23176 | Pi 26S proteasome non-ATPase regulatory subunit, putative (1594 nt)	3	20	0
PITG_23178 | Pi kazal-type serine protease inhibitor, putative (1594 nt)	3	16	0
PITG_23180 | Pi Crinkler (CRN) family protein, pseudogene (594 nt)	163	318	1
PITG_23187 | Pi conserved hypothetical protein (1458 nt)	1	98	0
PITG_23191 | Pi conserved hypothetical protein (1333 nt)	4	18	0
PITG_23192 | Pi small nuclear ribonucleoprotein F, putative (580 nt)	67	83	0
PITG_23197 | Pi Crinkler (CRN) family protein, pseudogene (331 nt)	0	22	0
PITG_23198 | Pi Crinkler (CRN) family protein, pseudogene (1143 nt)	0	0	0
PITG_23201 | Pi conserved hypothetical protein (849 nt)	0	30	0
PITG_23205 | Pi 4-nitrophenylphosphatase, putative (1508 nt)	6	11	0
PITG_23215 | Pi secreted RxLR effector peptide, putative (486 nt)	13	2	0
PITG_23240 | Pi conserved hypothetical protein (266 nt)	4	11	0
PITG_23270 | Pi crinkler (CRN) family protein, pseudogene (1386 nt)	6	0	0
PITG_23272 | Pi crinkler (CRN) family protein, gypsy-inserted pseudogene (1386 nt)	3	6	0
PITG_23273 | Pi Crinkler (CRN) family protein (2559 nt)	24	67	0
PITG_23274 | Pi crinkler (CRN) family protein, 5' partial (1476 nt)	22	164	0
PITG_23277 | Pi crinkler (CRN) domain, pseudogene (858 nt)	0	17	0
PITG_23281 | Pi Crinkler (CRN) family protein, pseudogene (1825 nt)	72	221	0
PITG_23282 | Pi Crinkler (CRN) family protein, pseudogene (4320 nt)	78	160	0
PITG_23284 | Pi crinkler (CRN) domain, pseudogene (3069 nt)	1	15	0
PITG_23286 | Pi crinkler (CRN) domain, pseudogene (2170 nt)	2	10	0
PITG_23287 | Pi crinkler (CRN) domain, pseudogene (1182 nt)	412	1772	9
PITG_23289 | Pi crinkler (CRN) domain, pseudogene (555 nt)	136	344	0
PITG_23304 | Pi hypothetical protein (2835 nt)	5	17	0
PITG_23305 | Pi hypothetical protein (1044 nt)	1	88	0
PITG_23307 | Pi hypothetical cleavage-induced transcript lacking long 3' UTR (1044 nt)	2	0	0
PITG_23316 | Pi cleavage induced predicted protein (1947 nt)	0	0	0
PITG_23320 | Pi hypothetical cleavage induced protein (1848 nt)	4	16	0
PITG_23322 | Pi hypothetical protein (1055 nt)	18	61	0

libraries that matched to the PITG genes of *P. infestans* database.

T3 - Rep2 T6 - Rep1 T6 - Rep2 Contig Length

0	0	0	151
0	7	1	95
0	31	4	600
0	4	2	128
0	55	60	1210
0	3	0	62
0	7	0	102
0	26	16	429
0	14	9	125
0	10	5	147
0	18	8	117
0	2	1	93
0	0	1	92
0	3	4	109
0	11	13	334
0	2	2	76
0	21	7	80
0	37	52	655
0	4	4	136
0	3	6	116
0	7	4	164
0	4	2	168
0	14	3	162
0	2	4	96
0	23	16	1737
0	14	4	82
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0	5	2	147
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0	10	7	155
0	22	22	493
0	44	2	95
0	300	253	195
0	23	5	68
0	333	130	359
0	12	9	108
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0	10	6	133
0	8	4	119
0	11	6	246
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0	4	2	87
0	17	11	145
0	128	200	1082
0	11	3	85

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0	6	3	123
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0	5	1	87
0	21	13	129
0	4	3	130
0	3	1	65
0	5	12	240
0	166	95	760
0	4	9	111
0	17	5	140
0	4	10	75
0	38	0	85
0	5	7	92
0	13	1	73
0	2	2	148
0	11	4	242
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0	11	6	137
0	59	52	462
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0	35	18	134
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0	17	34	727
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0	5	5	134
0	9	15	184
0	9	6	207
0	8	1	198
0	6	9	183
0	9	10	107
0	8	3	94
0	5	1	102
0	20	29	889
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194	92	126	398
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0	8	4	114

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0	13	7	143
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0	19	20	767
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0	4	10	88
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0	3	5	152
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0	9	5	137
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0	8	2	116
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0	46	58	823
0	8	3	97

0	12	6	183
0	4	1	104
0	4	1	130
0	13	7	208
0	3	1	100
0	4	4	150
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0	9	6	114
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0	3	3	160
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0	3	1	85
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0	21	10	339
0	4	6	169
0	14	3	108
0	9	1	155
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0	12	1	79
0	6	6	140
0	17	15	367
0	8	7	388
0	556	525	164
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0	13	1	89
0	74	41	1175
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0	1	1	101
0	3	1	205
0	24	36	1066
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0	5	1	130
0	9	0	139
0	4	2	82
0	5	5	156
0	4	3	126
0	7	3	64
0	18	4	86
0	1	2	142
0	2	2	136
0	17	45	228

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0	25	41	82
0	6	4	124
0	1	2	112
0	9	6	181
0	9	3	86
0	26	13	196
0	4	1	143
0	7	5	128
0	2	6	96
0	2	0	115
0	3	1	96
0	140	91	723
0	8	4	98
0	104	29	174
0	3	2	206
0	31	27	196
0	8	3	126
0	2	1	92
0	0	0	103
0	2	0	140
0	47	28	159
0	24	28	610
0	18	11	418
0	1	0	84
0	12	5	200
0	12	7	266
0	4	0	61
0	0	0	113
0	10	5	172
0	12	9	161
0	7	2	112
0	20	0	60
0	3	2	89
0	60	18	240
0	1	0	120
0	19	4	61
0	5	2	91
0	28	5	156
0	2	27	228
0	2	1	92
0	10	8	237
0	7	4	194
0	5	0	119
0	1	2	196

0	11	5	119
0	5	0	108
0	1	1	113
0	19	30	778
0	22	12	312
0	1	1	174
0	10	3	58
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0	17	21	85
0	9	9	81

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0	7	3	213
0	23	7	315
0	36	10	196
0	0	71	59
0	9	2	97
0	0	0	102
0	7	10	314
0	14	3	126
0	7	1	136
0	4	2	103
0	8	16	90
0	7	1	130
0	79	205	178
0	34	17	215
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0	4	3	98
0	12	3	225
0	109	9	118
0	4	7	214
0	3	6	131
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0	4	2	150
0	3	3	159
0	1	0	161
0	18	7	91
0	12	15	571
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0	9	5	312
0	1	2	69
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0	23	19	272
0	174	125	54
0	0	2	100
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0	13	5	201
0	28	4	113
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0	4	8	85
0	8	6	159
0	4	2	96
0	0	0	69
0	22	10	107
0	120	95	93
0	0	3	104
0	10	0	79

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0	23	2	174
0	15	13	144
0	3	1	82
0	1	2	102
0	8	3	152
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0	0	9	136
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0	1	2	91
0	1	6	149
0	3	5	132
0	22	31	445
0	19	17	181
0	6	9	97
0	6	3	103
0	11	3	107
0	19	15	166
0	0	2	80
0	1	3	94
0	6	4	129
0	0	7	102
0	21	5	84
0	72	1	204
0	1	3	133
0	2	2	119
0	30	25	111
0	6	5	107
0	0	0	74
0	24	0	178
0	3	10	133
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0	23	8	280
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0	56	16	93
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0	9	55	809
3	469	1780	111
0	2	2	137
0	1	0	86
0	1	20	97
0	4	0	62

0	22	9	127
0	30	100	204
0	10	2	175
0	1	0	127
0	11	29	365
0	27	13	95
0	5	2	184
0	7	5	157
0	39	4	135
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0	3	3	164
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0	56	48	501
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0	1	4	98
0	0	0	108
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0	18	10	127
0	7	6	133
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0	25	95	93
0	67	50	273
0	18	6	1470
0	1	15	129
0	3	0	59
0	121	267	55
0	81	9	43
0	3	3	107
0	15	6	261

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0	5	3	97
0	14	3	205
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0	22	3	93
0	14	27	645
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0	9	5	162
0	100	70	48
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0	118	52	438
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0	3	10	122
0	5	6	91
0	8	12	426
0	11	0	108
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0	13	5	84
0	1	1	78
0	1	1	85
0	283	312	62
0	46	44	276
0	12	2	135
0	0	0	172
0	22	24	70
0	12	9	110
0	6	4	161
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