

**Table S3. Table showing the results of differential gene analysis using edgeR for the pair T3 - P18. It has t**

Gene ID (PITG #)	logConc	logFC	p.value	table.FDR	adjust.met
PITG_07996   Pi alpha-tubulin (1698 nt)	-10.922	12.10115	8.29E-08	0.000864	BH
PITG_07961   Pi cleavage induced tubulin alpha c	-10.7668	11.13896	2.78E-07	0.001449	BH
PITG_11252   Pi heat shock protein 70 (1965 nt)	-28.0793	43.87341	1.43E-06	0.004967	BH
PITG_00156   Pi beta-tubulin (1747 nt)	-9.61369	8.891388	2.24E-06	0.005845	BH
PITG_03551   Pi histone H3 (411 nt)	-10.1976	8.493734	1.06E-05	0.022061	BH
PITG_07999   Pi alpha-tubulin, putative (1757 nt)	-11.104	7.999833	1.57E-05	0.027355	BH
PITG_18001   Pi ubiquitin, putative (625 nt)	-10.093	7.792657	2.40E-05	0.034516	BH
PITG_14696   Pi serine hydroxymethyltransferase	-10.4398	7.247172	2.65E-05	0.034516	BH
PITG_16311   Pi ubiquitin family protein, putative	-8.915	7.026142	6.51E-05	0.073473	BH
PITG_17237   Pi succinate dehydrogenase iron-su	-14.1747	10.67757	7.05E-05	0.073473	BH
PITG_08677   Pi inositol 2-dehydrogenase, putati	-11.0281	6.880704	8.75E-05	0.08294	BH
PITG_12286   Pi ADP-ribosylation factor family (9	-9.15165	6.755777	0.000112	0.097608	BH
PITG_03695   Pi hypothetical protein (706 nt)	-28.6567	-42.7186	0.000129	0.103472	BH
PITG_11643   Pi voltage-gated potassium channe	-11.6801	6.839305	0.000139	0.103778	BH
PITG_04640   Pi translation elongation factor 1-a	-7.97405	5.253256	0.000172	0.119229	BH
PITG_05126   Pi splicing factor 3A subunit, putati	-12.2195	8.082581	0.000183	0.119229	BH
PITG_10198   Pi adenosylhomocysteinase (1443	-10.3183	6.174552	0.000247	0.13877	BH
PITG_02501   Pi conserved hypothetical protein (	-29.2212	-41.5897	0.000249	0.13877	BH
PITG_09555   Pi ubiquitin-ribosomal fusion prote	-8.1327	5.874925	0.000272	0.13877	BH
PITG_10365   Pi conserved hypothetical protein (	-28.8676	-42.2969	0.000277	0.13877	BH
PITG_10364   Pi conserved hypothetical protein (	-29.056	-41.9201	0.000279	0.13877	BH
PITG_10373   Pi conserved hypothetical protein (	-28.8092	-42.4138	0.000294	0.139391	BH
PITG_12886   Pi conserved hypothetical protein (	-29.5368	-40.9585	0.000387	0.175409	BH
PITG_21827   Pi Rab11 family GTPase, putative (	-11.6297	6.455588	0.000417	0.177278	BH
PITG_11584   Pi conserved hypothetical protein (	-29.2986	-41.4348	0.000425	0.177278	BH
PITG_20196   Pi hypothetical protein (555 nt)	-29.3414	-41.3493	0.000485	0.194379	BH
PITG_16999   Pi conserved hypothetical protein (	-29.2268	-41.5784	0.000515	0.195555	BH
PITG_20194   Pi protein mago nashi (912 nt)	-11.8803	6.838551	0.000525	0.195555	BH
PITG_10378   Pi conserved hypothetical protein (	-28.8038	-42.4244	0.000564	0.20266	BH
PITG_12487   Pi conserved hypothetical protein (	-10.8546	-5.51475	0.000628	0.21821	BH
PITG_00833   Pi conserved hypothetical protein (	-29.3351	-41.3619	0.000725	0.235326	BH
PITG_06799   Pi ribosomal protein L27 (785 nt)	-8.31018	5.214616	0.000744	0.235326	BH
PITG_13301   Pi H - or Na -translocating F-type, v	-10.7864	6.319425	0.000753	0.235326	BH
PITG_03639   Pi cellulose binding elicitor lectin (C	-29.6959	-40.6404	0.00078	0.235326	BH
PITG_10362   Pi conserved hypothetical protein (	-28.247	-43.5381	0.00079	0.235326	BH
PITG_12486   Pi conserved hypothetical protein (	-11.7287	-5.62278	0.000878	0.25443	BH
PITG_18446   Pi 26S protease regulatory subunit	-11.5552	6.047155	0.000927	0.257864	BH
PITG_00564   Pi conserved hypothetical protein (	-29.6572	-40.7177	0.000986	0.257864	BH
PITG_15117   Pi actin-like protein (1384 nt)	-8.07962	4.926512	0.001008	0.257864	BH
PITG_03719   Pi voltage-gated potassium channe	-10.2367	4.649321	0.001013	0.257864	BH
PITG_14594   Pi ubiquitin-conjugating enzyme E2	-29.4348	-41.1625	0.001044	0.257864	BH
PITG_04802   Pi conserved hypothetical protein (	-29.6008	-40.8305	0.001066	0.257864	BH
PITG_13597   Pi conserved hypothetical protein (	-29.7586	-40.5148	0.001066	0.257864	BH
PITG_18354   Pi succinate dehydrogenase flavop	-11.3192	6.079695	0.001088	0.257864	BH
PITG_12745   Pi 40S ribosomal protein S17, puta	-8.41275	5.343796	0.001199	0.271202	BH

PITG_06595	Pi ATP synthase subunit beta, puta	-8.93547	4.796273	0.001222	0.271202	BH
PITG_06514	Pi calmodulin (649 nt)	-8.271	5.01711	0.001222	0.271202	BH
PITG_08311	Pi conserved hypothetical protein (	-29.6932	-40.6457	0.001255	0.272706	BH
PITG_10986	Pi nuclear transcription factor Y sul	-12.4763	6.056461	0.00133	0.283059	BH
PITG_11975	Pi conserved hypothetical protein (	-29.7978	-40.4365	0.001359	0.283461	BH
PITG_11610	Pi conserved hypothetical protein (	-29.8307	-40.3707	0.00139	0.284166	BH
PITG_18497	Pi Crinkler (CRN) family protein (13	-29.9758	-40.0804	0.001504	0.298212	BH
PITG_19119	Pi conserved hypothetical protein (	-29.8261	-40.38	0.001519	0.298212	BH
PITG_17516	Pi S-adenosylmethionine synthetas	-8.393	5.339242	0.001544	0.298212	BH
PITG_10375	Pi conserved hypothetical protein (	-29.5072	-41.0176	0.001795	0.329775	BH
PITG_19864	Pi conserved hypothetical protein (	-30.0848	-39.8626	0.001804	0.329775	BH
PITG_07582	Pi conserved hypothetical protein (	-13.9203	8.794388	0.001824	0.329775	BH
PITG_11572	Pi conserved hypothetical protein (	-29.4571	-41.1179	0.001835	0.329775	BH
PITG_06591	Pi berberine-like protein (1700 nt)	-29.742	40.54816	0.001866	0.329775	BH
PITG_13655	Pi glucanase inhibitor protein, puta	-13.9652	8.707521	0.001947	0.331345	BH
PITG_10374	Pi conserved hypothetical protein (	-29.3854	-41.2613	0.001953	0.331345	BH
PITG_06715	Pi serine/threonine-protein phosph	-13.1655	5.745937	0.001972	0.331345	BH
PITG_12619	Pi Crinkler (CRN) family protein (17	-30.0407	-39.9508	0.002002	0.331345	BH
PITG_19399	Pi methylenetetrahydrofolate dehy	-29.4944	-41.0434	0.002247	0.361642	BH
PITG_22104	Pi conserved hypothetical protein (	-14.0821	8.481952	0.002254	0.361642	BH
PITG_17400	Pi conserved hypothetical protein (	-29.8234	-40.3852	0.002289	0.361661	BH
PITG_16074	Pi heat shock protein 101 (2766 nt	-29.7697	-40.4928	0.002334	0.363172	BH
PITG_00839	Pi conserved hypothetical protein (	-29.607	-40.8182	0.002415	0.366111	BH
PITG_19978	Pi conserved hypothetical protein (	-12.4827	7.156511	0.002423	0.366111	BH
PITG_00552	Pi memo-like protein (1522 nt)	-29.9314	-40.1693	0.002565	0.382074	BH
PITG_09556	Pi guanine nucleotide-binding prot	-8.66858	4.147958	0.002695	0.386681	BH
PITG_10372	Pi conserved hypothetical protein (	-29.1156	-41.801	0.002706	0.386681	BH
PITG_03096	Pi hypothetical protein (1264 nt)	-30.1766	-39.679	0.00279	0.386681	BH
PITG_22850	Pi Crinkler (CRN) family protein, ps	-30.1719	-39.6884	0.00279	0.386681	BH
PITG_00251	Pi conserved hypothetical protein (	-30.1354	-39.7613	0.002804	0.386681	BH
PITG_23165	Pi Crinkler (CRN) family protein (12	-30.208	-39.6161	0.002826	0.386681	BH
PITG_10693	Pi conserved hypothetical protein (	-30.1143	-39.8035	0.002893	0.386681	BH
PITG_04378	Pi elicitin-like protein (723 nt)	-30.2137	-39.6048	0.002922	0.386681	BH
PITG_06722	Pi translation elongation factor 1-a	-7.63842	3.466725	0.00293	0.386681	BH
PITG_14354	Pi conserved hypothetical protein (	-29.6636	-40.705	0.00308	0.397495	BH
PITG_10269	Pi conserved hypothetical protein (	-29.7795	-40.4731	0.003088	0.397495	BH
PITG_19098	Pi conserved hypothetical protein (	-30.2183	-39.5955	0.003152	0.397865	BH
PITG_22157	Pi Major Facilitator Superfamily (M	-12.512	7.097303	0.003167	0.397865	BH
PITG_09218	Pi secreted RxLR effector peptide,	-14.3412	7.983441	0.003234	0.398143	BH
PITG_17531	Pi crinkler (CRN) family protein, pu	-30.2312	-39.5698	0.003246	0.398143	BH
PITG_13001	Pi glucose transporter, putative (14	-30.1586	39.71487	0.003387	0.410623	BH
PITG_05249	Pi conserved hypothetical protein (	-30.2652	-39.5017	0.003594	0.426068	BH
PITG_00011	Pi conserved hypothetical protein (	-29.8795	-40.2731	0.003596	0.426068	BH
PITG_16959	Pi transglutaminase elicitor M81D	-30.2094	39.61322	0.003637	0.426068	BH
PITG_02510	Pi conserved hypothetical protein (	-30.2748	-39.4825	0.003725	0.429862	BH
PITG_16963	Pi transglutaminase elicitor M81C	-14.1165	7.209551	0.003752	0.429862	BH
PITG_18845	Pi hypothetical protein (799 nt)	-29.822	-40.3881	0.003823	0.433329	BH

PITG_16921	Pi conserved hypothetical protein (	-10.8586	-4.44967	0.003867	0.433554	BH
PITG_12139	Pi conserved hypothetical protein (	-12.0924	8.103386	0.003939	0.436976	BH
PITG_18503	Pi Crinkler (CRN) family protein (13	-12.1401	-4.80492	0.004096	0.449592	BH
PITG_10498	Pi conserved hypothetical protein (	-29.9929	-40.0462	0.004613	0.487053	BH
PITG_07833	Pi similar to sea slug pheromone (7	-30.3563	39.31947	0.004668	0.487053	BH
PITG_18923	Pi putative GPI-anchored serine-ric	-30.2051	-39.6219	0.004709	0.487053	BH
PITG_22475	Pi conserved hypothetical protein (	-12.9079	6.653334	0.004819	0.487053	BH
PITG_10951	Pi succinate dehydrogenase iron-su	-10.3266	4.500196	0.004827	0.487053	BH
PITG_14632	Pi conserved hypothetical protein (	-11.4676	-4.28494	0.004852	0.487053	BH
PITG_10153	Pi conserved hypothetical protein (	-30.0232	-39.9857	0.004876	0.487053	BH
PITG_14312	Pi methylenetetrahydrofolate dehy	-29.8836	-40.2649	0.004881	0.487053	BH
PITG_11248	Pi hypothetical protein (786 nt)	-29.869	-40.294	0.004882	0.487053	BH
PITG_10146	Pi 40S ribosomal protein S2 (1222	-8.89094	4.001065	0.004905	0.487053	BH
PITG_19568	Pi crinkler (CRN) family protein, pse	-29.85	-40.3322	0.00496	0.48787	BH
PITG_11484	Pi secreted RxLR effector peptide,	-11.9093	6.840669	0.005199	0.504978	BH
PITG_12650	Pi Crinkler (CRN) family protein, ps	-12.1901	-4.70597	0.00523	0.504978	BH
PITG_18052	Pi 60S ribosomal protein L3 (1310	-8.87691	3.700372	0.005375	0.509976	BH
PITG_22669	Pi NPP1-like protein, pseudogene (	-14.9256	8.036661	0.00538	0.509976	BH
PITG_13660	Pi conserved hypothetical protein (	-29.988	-40.0561	0.00548	0.514755	BH
PITG_06237	Pi 60S ribosomal protein L8, putati	-8.44504	3.584396	0.005643	0.519365	BH
PITG_17668	Pi conserved hypothetical protein (	-30.2262	-39.5796	0.005664	0.519365	BH
PITG_22016	Pi conserved hypothetical protein (	-30.0587	-39.9147	0.005771	0.519365	BH
PITG_15660	Pi mitochondrial carnitine/acylcarr	-30.1692	-39.6938	0.005782	0.519365	BH
PITG_01086	Pi conserved hypothetical protein (	-11.8469	-5.45065	0.005799	0.519365	BH
PITG_16069	Pi heat shock protein 101 (2853 nt	-30.0768	-39.8785	0.005828	0.519365	BH
PITG_12098	Pi Crinkler (CRN) family protein, ps	-12.2686	-4.54311	0.005904	0.521733	BH
PITG_01618	Pi conserved hypothetical protein (	-11.7829	5.278783	0.005973	0.522179	BH
PITG_20815	Pi ATP-binding Cassette (ABC) Sup	-30.1608	-39.7105	0.006031	0.522179	BH
PITG_03441	Pi malate synthase (1822 nt)	-30.395	-39.2421	0.006111	0.522179	BH
PITG_12693	Pi conserved hypothetical protein (	-30.1021	-39.8278	0.006162	0.522179	BH
PITG_16605	Pi Crinkler (CRN) family protein, ps	-11.0392	-4.08845	0.006215	0.522179	BH
PITG_13671	Pi glucanase inhibitor protein 3 (83	-30.1918	-39.6486	0.006217	0.522179	BH
PITG_13002	Pi Major Facilitator Superfamily (M	-13.1011	6.298473	0.00626	0.522179	BH
PITG_22959	Pi protein kinase, putative (1777 ni	-30.2532	-39.5257	0.006552	0.542181	BH
PITG_14267	Pi Crinkler (CRN) family protein, ps	-30.2945	-39.4432	0.006646	0.545691	BH
PITG_10636	Pi conserved hypothetical protein (	-12.6692	6.617321	0.006918	0.557084	BH
PITG_12686	Pi conserved hypothetical protein (	-30.4221	-39.1879	0.006928	0.557084	BH
PITG_06118	Pi V-type proton ATPase subunit B,	-11.0331	4.431055	0.006946	0.557084	BH
PITG_10637	Pi conserved hypothetical protein (	-13.0902	5.950436	0.007058	0.561795	BH
PITG_23087	Pi Crinkler (CRN) family protein (12	-30.2319	-39.5682	0.007354	0.573498	BH
PITG_23088	Pi Crinkler (CRN) family protein (13	-30.4197	-39.1927	0.007373	0.573498	BH
PITG_06212	Pi conserved hypothetical protein (	-15.3662	8.229179	0.007387	0.573498	BH
PITG_19382	Pi conserved hypothetical protein (	-30.5468	-38.9386	0.007576	0.573498	BH
PITG_13381	Pi conserved hypothetical protein (	-30.3817	-39.2686	0.007597	0.573498	BH
PITG_23289	Pi crinkler (CRN) domain, pseudoge	-30.451	-39.1301	0.007655	0.573498	BH
PITG_12082	Pi hypothetical protein (540 nt)	-30.4835	-39.0651	0.007679	0.573498	BH
PITG_17275	Pi conserved hypothetical protein (	-30.5894	-38.8532	0.00782	0.573498	BH

PITG_00213	Pi hypothetical protein (1007 nt)	-30.5154	-39.0014	0.007887	0.573498	BH
PITG_07501	Pi Crinkler (CRN) family protein (74	-30.4269	-39.1784	0.008006	0.573498	BH
PITG_09998	Pi conserved hypothetical protein (	-30.2966	-39.4389	0.008011	0.573498	BH
PITG_00761	Pi protein kinase, putative (1140 nt)	-30.4255	-39.1812	0.008083	0.573498	BH
PITG_15615	Pi short/branched chain specific ac	-30.4551	-39.1219	0.008136	0.573498	BH
PITG_19017	Pi 14-3-3 protein epsilon (1094 nt)	-8.5604	3.690729	0.008192	0.573498	BH
PITG_05185	Pi conserved hypothetical protein (	-30.6199	-38.7924	0.008207	0.573498	BH
PITG_09649	Pi conserved hypothetical protein (	-30.626	-38.78	0.008207	0.573498	BH
PITG_04078	Pi Rab5 family GTPase, putative (74	-30.6246	-38.7829	0.008207	0.573498	BH
PITG_08185	Pi conserved hypothetical protein (	-30.4686	-39.0949	0.008253	0.573498	BH
PITG_19737	Pi 3-mercaptopyruvate sulfurtransf	-30.2615	-39.509	0.008274	0.573498	BH
PITG_07476	Pi conserved hypothetical protein (	-30.314	-39.404	0.008305	0.573498	BH
PITG_05675	Pi histone, putative (441 nt)	-11.0021	4.969644	0.008513	0.57988	BH
PITG_18312	Pi conserved hypothetical protein (	-30.4714	-39.0894	0.008547	0.57988	BH
PITG_00834	Pi conserved hypothetical protein (	-29.7641	-40.5039	0.008732	0.57988	BH
PITG_08611	Pi cell 5A endo-1,4-beta-glucanase,	-30.5241	-38.9839	0.008741	0.57988	BH
PITG_15567	Pi conserved hypothetical protein (	-30.4711	-39.0899	0.008761	0.57988	BH
PITG_10765	Pi beta-glucan synthesis-associated	-30.5719	-38.8884	0.008855	0.57988	BH
PITG_04690	Pi pyridine nucleotide-disulphide o	-12.2584	-4.59197	0.008872	0.57988	BH
PITG_11898	Pi conserved hypothetical protein (	-30.6858	38.6605	0.00889	0.57988	BH
PITG_14571	Pi conserved hypothetical protein (	-30.4551	-39.1219	0.008898	0.57988	BH
PITG_14601	Pi hypothetical protein (369 nt)	-30.3704	-39.2913	0.009054	0.586343	BH
PITG_17947	Pi chitinase, putative (705 nt)	-30.3274	-39.3772	0.009112	0.586493	BH
PITG_12854	Pi Mitochondrial Carrier (MC) Fami	-30.6517	-38.7286	0.009174	0.586872	BH
PITG_07960	Pi alpha-tubulin, putative (1576 nt)	-10.7404	3.622283	0.009261	0.588817	BH
PITG_06021	Pi glucokinase, putative (1041 nt)	-30.3089	-39.4144	0.009548	0.599868	BH
PITG_22363	Pi major Facilitator Superfamily (M	-30.741	38.55012	0.009842	0.599868	BH
PITG_05212	Pi Crinkler (CRN) family protein, mi	-11.0548	-4.08649	0.009884	0.599868	BH
PITG_11011	Pi conserved hypothetical protein (	-30.4535	-39.1252	0.009969	0.599868	BH
PITG_17401	Pi conserved hypothetical protein (	-30.4897	-39.0528	0.009978	0.599868	BH
PITG_10352	Pi sporangia induced hypothetical	-30.6464	-38.7393	0.009979	0.599868	BH
PITG_15055	Pi conserved hypothetical protein (	-30.4711	-39.0898	0.009992	0.599868	BH
PITG_06204	Pi conserved hypothetical protein (	-30.5456	-38.9409	0.010114	0.599868	BH
PITG_03611	Pi histone H2B (594 nt)	-30.6459	-38.7404	0.010258	0.599868	BH
PITG_08236	Pi conserved hypothetical protein (	-30.6651	-38.7019	0.010267	0.599868	BH
PITG_18317	Pi phospholipid hydroperoxide glut	-30.6268	-38.7785	0.010269	0.599868	BH
PITG_11244	Pi heat shock 70 kDa protein (2279	-9.07248	3.533056	0.010272	0.599868	BH
PITG_03080	Pi hypothetical protein (999 nt)	-30.6778	-38.6765	0.010295	0.599868	BH
PITG_05697	Pi Crinkler (CRN) family protein, ps	-30.6739	-38.6842	0.010295	0.599868	BH
PITG_00212	Pi conserved hypothetical protein (	-30.6118	-38.8086	0.010298	0.599868	BH
PITG_09890	Pi alternative oxidase, mitochondri	-30.0746	-39.8828	0.010523	0.60466	BH
PITG_13545	Pi conserved hypothetical protein (	-30.0192	-39.9936	0.010543	0.60466	BH
PITG_06189	Pi conserved hypothetical protein (	-30.4867	-39.0586	0.010554	0.60466	BH
PITG_05616	Pi UDP-glucose 4-epimerase, putat	-30.5466	-38.9389	0.010691	0.60916	BH
PITG_14581	Pi conserved hypothetical protein (	-30.5319	-38.9682	0.011019	0.613393	BH
PITG_05391	Pi histone H1, putative (1061 nt)	-30.3752	-39.2818	0.011063	0.613393	BH
PITG_07143	Pi catalase-peroxidase, putative (2:	-30.8014	38.42939	0.011089	0.613393	BH

PITG_22758	Pi arabinofuranosidase (1062 nt)	-30.8014	38.42939	0.011089	0.613393	BH
PITG_03881	Pi histone H2A (420 nt)	-30.6573	-38.7175	0.01114	0.613393	BH
PITG_21737	Pi hypothetical protein (462 nt)	-9.26495	5.858667	0.011166	0.613393	BH
PITG_05676	Pi histone H4 (468 nt)	-9.13431	4.202047	0.011285	0.613393	BH
PITG_11858	Pi conserved hypothetical protein (	-30.5914	-38.8493	0.011297	0.613393	BH
PITG_22062	Pi conserved hypothetical protein (	-30.4738	-39.0845	0.01135	0.613393	BH
PITG_07424	Pi cytochrome P450, putative (169	-30.2198	-39.5925	0.01144	0.613393	BH
PITG_15483	Pi putative GPI-anchored serine-th	-30.5478	-38.9365	0.011489	0.613393	BH
PITG_20168	Pi Crinkler (CRN) family protein, ps	-11.6806	-3.86469	0.011537	0.613393	BH
PITG_09742	Pi hypothetical protein (2594 nt)	-30.5351	-38.9619	0.011559	0.613393	BH
PITG_21963	Pi Crinkler (CRN) family protein, ps	-11.7058	-3.8087	0.011589	0.613393	BH
PITG_19318	Pi Crinkler (CRN) family protein (26	-12.4907	-4.10488	0.011695	0.615902	BH
PITG_09216	Pi secreted RxLR effector peptide,	-13.7576	6.249749	0.011863	0.620838	BH
PITG_08377	Pi conserved hypothetical protein (	-30.581	-38.87	0.011922	0.620838	BH
PITG_13396	Pi conserved hypothetical protein (	-12.3711	-4.35133	0.012145	0.620838	BH
PITG_00375	Pi haustorium-specific membrane	-15.0535	6.672073	0.012185	0.620838	BH
PITG_04687	Pi hypothetical protein (1162 nt)	-15.0403	6.645641	0.012185	0.620838	BH
PITG_09768	Pi dentin sialophosphoprotein-like	-30.5626	-38.9069	0.01241	0.620838	BH
PITG_10542	Pi conserved hypothetical protein (	-15.6048	7.772146	0.012468	0.620838	BH
PITG_22677	Pi PcF and SCR74-like cys-rich secre	-15.6048	7.772146	0.012468	0.620838	BH
PITG_05115	Pi HECT E3 ubiquitin ligase, putativ	-30.6852	-38.6618	0.012473	0.620838	BH
PITG_21658	Pi conserved hypothetical protein (	-30.698	-38.6361	0.012473	0.620838	BH
PITG_10193	Pi ubiquitin, putative (471 nt)	-6.6747	3.577241	0.012576	0.620838	BH
PITG_10459	Pi conserved hypothetical protein (	-30.7186	-38.5948	0.012659	0.620838	BH
PITG_17740	Pi conserved hypothetical protein (	-30.7324	-38.5673	0.012659	0.620838	BH
PITG_19889	Pi Crinkler (CRN) family protein, ps	-30.6431	-38.7458	0.012714	0.620838	BH
PITG_12336	Pi Crinkler (CRN) family protein, ps	-30.5309	-38.9704	0.012721	0.620838	BH
PITG_06087	Pi secreted RxLR effector peptide,	-30.868	38.29608	0.012757	0.620838	BH
PITG_12695	Pi conserved hypothetical protein (	-30.6875	-38.6571	0.012801	0.620838	BH
PITG_11996	Pi conserved hypothetical protein (	-30.711	-38.6102	0.012882	0.621841	BH
PITG_20619	Pi pirin (1082 nt)	-30.1643	-39.7035	0.013106	0.629767	BH
PITG_06244	Pi hypothetical protein (2175 nt)	-30.6781	-38.676	0.013424	0.64206	BH
PITG_17945	Pi chitinase, putative (822 nt)	-30.5254	-38.9814	0.01358	0.646546	BH
PITG_13382	Pi conserved hypothetical protein (	-30.7333	-38.5656	0.013816	0.652399	BH
PITG_03020	Pi cysteine protease family C01A, p	-12.554	-3.97579	0.013828	0.652399	BH
PITG_13807	Pi hypothetical protein (645 nt)	-30.6568	-38.7185	0.01446	0.675208	BH
PITG_04714	Pi conserved hypothetical protein (	-30.6794	-38.6734	0.014488	0.675208	BH
PITG_21117	Pi malate synthase, glyoxysomal, p	-30.6861	-38.66	0.014543	0.675208	BH
PITG_00987	Pi conserved hypothetical protein (	-11.0878	-4.04335	0.01457	0.675208	BH
PITG_19578	Pi Crinkler (CRN) family protein, ps	-11.7671	-3.68788	0.014872	0.686144	BH
PITG_08787	Pi crinkler (CRN) family protein, ps	-11.779	-3.66228	0.01508	0.692689	BH
PITG_01208	Pi trifunctional enzyme subunit bet	-30.645	-38.7421	0.015203	0.69397	BH
PITG_08103	Pi hypothetical protein (333 nt)	-30.2451	-39.5418	0.015241	0.69397	BH
PITG_10470	Pi conserved hypothetical protein (	-12.5061	-4.0839	0.015522	0.701798	BH
PITG_00297	Pi conserved hypothetical protein (	-30.6243	-38.7836	0.015613	0.701798	BH
PITG_03882	Pi histone H2A type 1 (529 nt)	-30.684	-38.6642	0.015669	0.701798	BH
PITG_12920	Pi hypothetical protein (1569 nt)	-30.7677	-38.4966	0.015682	0.701798	BH

PITG_11323	Pi conserved hypothetical protein (	-30.7739	-38.4843	0.016067	0.714435	BH
PITG_06142	Pi copine-like protein (2275 nt)	-30.5634	-38.9053	0.016102	0.714435	BH
PITG_08265	Pi conserved hypothetical protein (	-30.8009	-38.4304	0.016344	0.715675	BH
PITG_11891	Pi conserved hypothetical protein (	-12.834	5.425173	0.016375	0.715675	BH
PITG_17069	Pi coatomer protein complex, puta	-12.3388	4.096908	0.01639	0.715675	BH
PITG_15656	Pi conserved hypothetical protein (	-30.6252	-38.7817	0.016404	0.715675	BH
PITG_05577	Pi glutathione S-transferase, putati	-9.48248	-3.94288	0.016583	0.720447	BH
PITG_09354	Pi aquaporin, putative (866 nt)	-30.717	-38.5982	0.017483	0.756425	BH
PITG_09772	Pi conserved hypothetical protein (	-12.6381	-3.80531	0.018022	0.773818	BH
PITG_03742	Pi conserved hypothetical protein (	-30.6533	-38.7255	0.018034	0.773818	BH
PITG_22894	Pi secreted RxLR effector peptide,	-14.8229	5.580667	0.01844	0.780263	BH
PITG_09539	Pi hypothetical protein (665 nt)	-30.6997	-38.6328	0.018638	0.780263	BH
PITG_03936	Pi ras protein let-60 (1206 nt)	-30.8369	-38.3583	0.018716	0.780263	BH
PITG_04777	Pi conserved hypothetical protein (	-30.8208	-38.3906	0.018716	0.780263	BH
PITG_05251	Pi protein tyrosine phosphatase ty	-30.8366	-38.3589	0.018716	0.780263	BH
PITG_11205	Pi Rab2 family GTPase, putative (90	-30.8347	-38.3628	0.018716	0.780263	BH
PITG_11882	Pi conserved hypothetical protein (	-30.8325	-38.3672	0.018716	0.780263	BH
PITG_19818	Pi conserved hypothetical protein (	-15.0172	5.966758	0.018805	0.780263	BH
PITG_19160	Pi conserved hypothetical protein (	-11.8357	3.87257	0.018894	0.780263	BH
PITG_08879	Pi hypothetical protein (510 nt)	-30.6711	-38.69	0.018932	0.780263	BH
PITG_23281	Pi Crinkler (CRN) family protein, ps	-30.8311	-38.3698	0.01915	0.782348	BH
PITG_13520	Pi conserved hypothetical protein (	-15.9507	7.831175	0.019176	0.782348	BH
PITG_08496	Pi conserved hypothetical protein (	-30.7243	-38.5834	0.019208	0.782348	BH
PITG_17596	Pi conserved hypothetical protein (	-30.5226	-38.987	0.019292	0.78271	BH
PITG_05628	Pi hypothetical protein (806 nt)	-12.6428	-3.79821	0.019679	0.795317	BH
PITG_17563	Pi hypothetical protein (1433 nt)	-30.8555	-38.3211	0.020071	0.808046	BH
PITG_01845	Pi conserved hypothetical protein (	-30.7933	-38.4456	0.020162	0.808575	BH
PITG_22908	Pi PcF and SCR74-like cys-rich secre	-11.0414	5.934799	0.020275	0.809996	BH
PITG_08042	Pi protein kinase (1669 nt)	-30.8454	-38.3413	0.020527	0.810862	BH
PITG_11189	Pi phosphoenolpyruvate carboxyki	-30.8541	-38.3238	0.020527	0.810862	BH
PITG_08537	Pi conserved hypothetical protein (	-30.8018	-38.4285	0.02053	0.810862	BH
PITG_18834	Pi crinkler (CRN) family protein (25	-11.8074	-3.62047	0.020717	0.815164	BH
PITG_23180	Pi Crinkler (CRN) family protein, ps	-12.6774	-3.72666	0.021006	0.819938	BH
PITG_18402	Pi conserved hypothetical protein (	-11.2544	5.438284	0.021507	0.819938	BH
PITG_09403	Pi hypothetical protein (583 nt)	-30.8742	-38.2837	0.021557	0.819938	BH
PITG_19907	Pi Rab21/Rab5 family GTPase, puta	-30.8615	-38.3091	0.021557	0.819938	BH
PITG_07509	Pi Crinkler (CRN) family protein, ps	-30.8605	-38.311	0.022035	0.819938	BH
PITG_13225	Pi conserved hypothetical protein (	-30.8769	-38.2784	0.022035	0.819938	BH
PITG_19505	Pi conserved hypothetical protein (	-30.7633	-38.5056	0.022212	0.819938	BH
PITG_06503	Pi hypothetical protein (1469 nt)	-30.53	-38.9722	0.022476	0.819938	BH
PITG_21568	Pi histone H1, putative (779 nt)	-30.5101	-39.0119	0.022516	0.819938	BH
PITG_13307	Pi conserved hypothetical protein (	-30.7312	-38.5698	0.022702	0.819938	BH
PITG_00451	Pi 2-oxoisovalerate dehydrogenase	-30.6854	-38.6613	0.0228	0.819938	BH
PITG_09346	Pi conserved hypothetical protein (	-30.8677	-38.2967	0.023012	0.819938	BH
PITG_10938	Pi protein phosphatase 2C, putativ	-30.8962	-38.2396	0.023189	0.819938	BH
PITG_13737	Pi protoplast secreted protein 2 pr	-11.5919	-4.12886	0.023196	0.819938	BH
PITG_12796	Pi short chain dehydrogenase, puta	-30.6063	-38.8196	0.023309	0.819938	BH

PITG_05324	Pi conserved hypothetical protein (	-30.8163	-38.3995	0.023438	0.819938	BH
PITG_07197	Pi 3-ketoacyl-CoA thiolase, mitoch	-30.8951	-38.242	0.023691	0.819938	BH
PITG_07794	Pi conserved hypothetical protein (	-30.878	-38.2761	0.023691	0.819938	BH
PITG_16363	Pi hypothetical protein (1392 nt)	-30.8796	-38.273	0.023691	0.819938	BH
PITG_04135	Pi glycoside hydrolase, putative (86	-15.3052	6.155161	0.023782	0.819938	BH
PITG_09831	Pi conserved hypothetical protein (	-14.2985	5.888267	0.023793	0.819938	BH
PITG_04961	Pi crinkler (CRN) family protein, ps	-30.6956	-38.6408	0.023927	0.819938	BH
PITG_16021	Pi conserved hypothetical protein (	-12.6078	-3.88543	0.024056	0.819938	BH
PITG_00726	Pi conserved hypothetical protein (	-30.8825	-38.2671	0.024199	0.819938	BH
PITG_05255	Pi hypothetical protein (1122 nt)	-30.8937	-38.2448	0.024199	0.819938	BH
PITG_03440	Pi malate synthase (1771 nt)	-30.6933	-38.6454	0.024365	0.819938	BH
PITG_15197	Pi hypothetical protein (1477 nt)	-30.5154	-39.0013	0.024373	0.819938	BH
PITG_10715	Pi hypothetical protein (1221 nt)	-30.6226	-38.787	0.024398	0.819938	BH
PITG_06860	Pi ATP-binding Cassette (ABC) Sup	-30.3687	-39.2947	0.024474	0.819938	BH
PITG_14723	Pi conserved hypothetical protein (	-30.8761	-38.2799	0.024536	0.819938	BH
PITG_18435	Pi uricase, putative (1137 nt)	-30.8676	-38.2969	0.024536	0.819938	BH
PITG_21410	Pi elicitin-like protein INF4 (459 nt)	-12.6918	5.054775	0.024764	0.819938	BH
PITG_15687	Pi conserved hypothetical protein (	-30.7775	-38.4772	0.024771	0.819938	BH
PITG_07574	Pi conserved hypothetical protein (	-30.8245	-38.3831	0.024944	0.819938	BH
PITG_22896	Pi secreted RxLR effector peptide,	-13.3414	5.28222	0.024949	0.819938	BH
PITG_00390	Pi conserved hypothetical protein (	-30.9064	-38.2193	0.024986	0.819938	BH
PITG_21851	Pi hypothetical protein (864 nt)	-30.795	-38.4421	0.02512	0.819938	BH
PITG_09291	Pi conserved hypothetical protein (	-30.9116	-38.2088	0.02523	0.819938	BH
PITG_09963	Pi cellulose synthase catalytic subu	-30.8771	-38.2778	0.02524	0.819938	BH
PITG_05611	Pi conserved hypothetical protein (	-30.8347	-38.3627	0.025477	0.819938	BH
PITG_08119	Pi oxidoreductase htatip2 (1434 nt	-30.9176	-38.197	0.025513	0.819938	BH
PITG_10862	Pi cytochrome c oxidase assembly	-30.7197	-38.5928	0.025681	0.819938	BH
PITG_01943	Pi 60S ribosomal protein L23 (623 r	-7.32241	2.921997	0.025898	0.819938	BH
PITG_10154	Pi conserved hypothetical protein (	-30.8198	-38.3925	0.025901	0.819938	BH
PITG_21525	Pi conserved hypothetical protein (	-30.9073	-38.2175	0.026047	0.819938	BH
PITG_15735	Pi protein kinase, putative (3069 nt	-30.806	-38.4202	0.026078	0.819938	BH
PITG_07454	Pi conserved hypothetical protein (	-30.5707	-38.8907	0.026125	0.819938	BH
PITG_20615	Pi conserved hypothetical protein (	-30.8915	-38.2491	0.026312	0.819938	BH
PITG_12747	Pi conserved hypothetical protein (	-30.9714	-38.0894	0.026604	0.819938	BH
PITG_18833	Pi Crinkler (CRN) family protein (23	-11.9465	-3.34405	0.026708	0.819938	BH
PITG_17326	Pi conserved hypothetical protein (	-30.7176	-38.5968	0.026802	0.819938	BH
PITG_23282	Pi Crinkler (CRN) family protein, ps	-30.9294	-38.1732	0.026969	0.819938	BH
PITG_05125	Pi hypothetical protein (632 nt)	-30.4049	-39.2224	0.027029	0.819938	BH
PITG_11612	Pi conserved hypothetical protein (	-30.8265	-38.3791	0.027126	0.819938	BH
PITG_06085	Pi hypothetical protein (1199 nt)	-30.8186	-38.3948	0.027126	0.819938	BH
PITG_02282	Pi acyl-CoA dehydrogenase, putativ	-30.958	-38.1162	0.027142	0.819938	BH
PITG_06906	Pi conserved hypothetical protein (	-30.9648	-38.1025	0.027142	0.819938	BH
PITG_09090	Pi conserved hypothetical protein (	-31.1289	-37.7742	0.027172	0.819938	BH
PITG_11386	Pi hypothetical protein (2357 nt)	-31.0959	-37.8403	0.02723	0.819938	BH
PITG_12942	Pi conserved hypothetical protein (	-30.8215	38.38902	0.027319	0.819938	BH
PITG_02537	Pi conserved hypothetical protein (	-30.9275	-38.1771	0.027522	0.819938	BH
PITG_22007	Pi conserved hypothetical protein (	-30.9384	-38.1554	0.027522	0.819938	BH

PITG_05689	Pi conserved hypothetical protein (	-30.9583	-38.1156	0.027689	0.819938	BH
PITG_11870	Pi conserved hypothetical protein (	-30.7559	-38.5202	0.027811	0.819938	BH
PITG_10763	Pi lysocardiolipin acyltransferase, p	-31.0317	-37.9688	0.027858	0.819938	BH
PITG_08067	Pi Crinkler (CRN) family protein, ps	-30.9307	-38.1706	0.028083	0.819938	BH
PITG_09283	Pi conserved hypothetical protein (	-31.1274	-37.7774	0.028228	0.819938	BH
PITG_21516	Pi memo-like protein (1521 nt)	-31.0369	-37.9584	0.028404	0.819938	BH
PITG_06953	Pi histone H3.3 (528 nt)	-31.0085	-38.0151	0.028408	0.819938	BH
PITG_08613	Pi cell 5A endo-1,4-betaD-glucanase,	-30.9834	-38.0653	0.028545	0.819938	BH
PITG_14208	Pi conserved hypothetical protein (	-30.9468	-38.1385	0.028612	0.819938	BH
PITG_08154	Pi conserved hypothetical protein (	-30.6564	-38.7192	0.028669	0.819938	BH
PITG_06759	Pi conserved hypothetical protein (	-31.092	-37.8482	0.028839	0.819938	BH
PITG_06019	Pi glucokinase, putative (919 nt)	-30.8512	-38.3297	0.028856	0.819938	BH
PITG_07436	Pi hypothetical protein (1894 nt)	-30.6371	-38.7579	0.028937	0.819938	BH
PITG_06022	Pi glucokinase, putative (1126 nt)	-30.6039	-38.8242	0.029154	0.819938	BH
PITG_06723	Pi conserved hypothetical protein (	-30.9494	-38.1333	0.029161	0.819938	BH
PITG_08718	Pi conserved hypothetical protein (	-30.9471	-38.138	0.029161	0.819938	BH
PITG_12646	Pi Crinkler (CRN) family protein (21	-30.9465	-38.1391	0.029161	0.819938	BH
PITG_14970	Pi protein kinase, putative (2617 nt)	-30.9588	-38.1146	0.029161	0.819938	BH
PITG_20178	Pi conserved hypothetical protein (	-30.9592	-38.1137	0.029161	0.819938	BH
PITG_14400	Pi myb-like DNA-binding protein, p	-30.9487	-38.1347	0.029183	0.819938	BH
PITG_06806	Pi hypothetical protein (324 nt)	-30.9223	-38.1875	0.029228	0.819938	BH
PITG_20425	Pi Crinkler (CRN) family protein, ps	-12.7621	-3.55958	0.029247	0.819938	BH
PITG_12676	Pi cyclin-like protein (1923 nt)	-31.1368	-37.7586	0.029312	0.819938	BH
PITG_03583	Pi putative secreted protein (462 nt)	-30.8128	-38.4066	0.02933	0.819938	BH
PITG_04928	Pi conserved hypothetical protein (	-30.8502	-38.3318	0.029355	0.819938	BH
PITG_20140	Pi conserved hypothetical protein (	-30.868	-38.2962	0.029355	0.819938	BH
PITG_11985	Pi hypothetical protein (309 nt)	-30.4562	-39.1196	0.029366	0.819938	BH
PITG_06757	Pi conserved hypothetical protein (	-31.1046	-37.8229	0.02939	0.819938	BH
PITG_15166	Pi secreted RxLR effector peptide, p	-30.5869	-38.8584	0.029466	0.819938	BH
PITG_00795	Pi conserved hypothetical protein (	-31.0386	-37.955	0.029518	0.819938	BH
PITG_03552	Pi histone H4 (523 nt)	-10.3459	3.757447	0.029602	0.819938	BH
PITG_06577	Pi conserved hypothetical protein (	-30.9454	-38.1413	0.029742	0.819938	BH
PITG_01316	Pi conserved hypothetical protein (	-31.1023	-37.8276	0.029949	0.819938	BH
PITG_06510	Pi conserved hypothetical protein (	-31.166	-37.7001	0.029984	0.819938	BH
PITG_02068	Pi GTP-binding protein SAR1 (964 nt)	-9.94505	3.374762	0.030117	0.819938	BH
PITG_12288	Pi ADP-ribosylation factor family (9	-9.53327	2.946034	0.030191	0.819938	BH
PITG_17949	Pi PNS1-like protein (1539 nt)	-30.7448	-38.5426	0.030206	0.819938	BH
PITG_13060	Pi conserved hypothetical protein (	-30.8918	-38.2485	0.030317	0.819938	BH
PITG_23063	Pi Crinkler (CRN) family protein (58	-30.9594	-38.1132	0.030332	0.819938	BH
PITG_06679	Pi casein kinase II subunit beta (12	-30.9485	-38.1352	0.030332	0.819938	BH
PITG_20167	Pi Crinkler (CRN) family protein, ps	-30.8037	-38.4247	0.030332	0.819938	BH
PITG_02253	Pi isovaleryl-CoA dehydrogenase, p	-30.9304	-38.1714	0.030406	0.819938	BH
PITG_00334	Pi conserved hypothetical protein (	-31.1283	-37.7754	0.030426	0.819938	BH
PITG_16221	Pi Crinkler (CRN) family protein (19	-31.1228	-37.7864	0.030426	0.819938	BH
PITG_02662	Pi ubiquitin family protein, putative	-31.1375	-37.7572	0.030542	0.819938	BH
PITG_18005	Pi conserved hypothetical protein (	-31.1566	-37.7188	0.030542	0.819938	BH
PITG_05839	Pi conserved hypothetical protein (	-12.4775	-4.18372	0.030545	0.819938	BH



PITG_13960	Pi endoribonuclease L-PSP, putativ	-13.1848	4.23306	0.030557	0.819938	BH
PITG_15846	Pi conserved hypothetical protein (	-30.8432	-38.3458	0.030649	0.819938	BH
PITG_03454	Pi conserved hypothetical protein (	-31.0418	-37.9484	0.030664	0.819938	BH
PITG_13373	Pi conserved hypothetical protein (	-30.9213	-38.1896	0.030865	0.819938	BH
PITG_13003	Pi glucose transporter, putative (15	-12.7869	4.857253	0.03101	0.819938	BH
PITG_00151	Pi conserved hypothetical protein (	-31.1649	-37.7024	0.031107	0.819938	BH
PITG_03339	Pi conserved hypothetical protein (	-31.1488	-37.7344	0.031107	0.819938	BH
PITG_21510	Pi ubiquitin-conjugating enzyme E2	-31.1516	-37.729	0.031107	0.819938	BH
PITG_09482	Pi conserved hypothetical protein (	-30.9137	-38.2047	0.031212	0.819938	BH
PITG_05011	Pi 5A endo-1,4-beta-glucanase, put	-12.7608	-3.5659	0.031217	0.819938	BH
PITG_19595	Pi hypothetical protein (412 nt)	-12.7614	-3.56474	0.031217	0.819938	BH
PITG_12533	Pi hypothetical protein (204 nt)	-30.8377	-38.3567	0.031264	0.819938	BH
PITG_06381	Pi hypothetical protein (468 nt)	-12.8447	4.043665	0.031351	0.819938	BH
PITG_22624	Pi Major Facilitator Superfamily (M	-31.0776	-37.8768	0.031376	0.819938	BH
PITG_04949	Pi conserved hypothetical protein (	-15.0763	5.239724	0.031391	0.819938	BH
PITG_19586	Pi crinkler (CRN) family protein, ps	-30.956	-38.1201	0.031535	0.819938	BH
PITG_21128	Pi succinyl CoA transferase, putativ	-30.8902	-38.2517	0.031535	0.819938	BH
PITG_02579	Pi enoyl-CoA hydratase/isomerase	-31.1335	-37.7651	0.031569	0.819938	BH
PITG_21121	Pi hypothetical protein (132 nt)	-30.9678	-38.0965	0.03159	0.819938	BH
PITG_22860	Pi Crinkler (CRN) family protein, ps	-30.9709	-38.0904	0.03159	0.819938	BH
PITG_17695	Pi hypothetical protein (852 nt)	-30.8805	-38.2711	0.0316	0.819938	BH
PITG_06182	Pi conserved hypothetical protein (	-30.9783	-38.0756	0.031743	0.819938	BH
PITG_14909	Pi conserved hypothetical protein (	-30.7733	-38.4854	0.031775	0.819938	BH
PITG_10861	Pi nuclear transcription factor Y sul	-12.7975	-3.48636	0.031895	0.819938	BH
PITG_02658	Pi conserved hypothetical protein (	-30.8608	-38.3104	0.031973	0.819938	BH
PITG_02974	Pi conserved hypothetical protein (	-30.9697	-38.0926	0.032202	0.819938	BH
PITG_17926	Pi conserved hypothetical protein (	-31.106	-37.8202	0.03226	0.819938	BH
PITG_06084	Pi conserved hypothetical protein (	-30.6352	-38.7616	0.032401	0.819938	BH
PITG_19404	Pi conserved hypothetical protein (	-30.8219	-38.3882	0.03253	0.819938	BH
PITG_16894	Pi hypothetical protein (1312 nt)	-11.7265	-3.85981	0.032579	0.819938	BH
PITG_06669	Pi conserved hypothetical protein (	-30.7316	-38.5689	0.032637	0.819938	BH
PITG_02416	Pi conserved hypothetical protein (	-12.7488	-3.5947	0.032654	0.819938	BH
PITG_16591	Pi Crinkler (CRN) family protein (26	-11.4005	-3.40884	0.032807	0.819938	BH
PITG_00984	Pi serine hydrolase (FSH1), putativ	-30.7036	-38.6249	0.032815	0.819938	BH
PITG_03038	Pi Major Facilitator Superfamily (M	-31.0994	-37.8332	0.032857	0.819938	BH
PITG_03340	Pi conserved hypothetical protein (	-31.088	-37.8561	0.032857	0.819938	BH
PITG_19270	Pi conserved hypothetical protein (	-31.0381	-37.956	0.033052	0.819938	BH
PITG_00623	Pi 4-aminobutyrate aminotransfer	-31.1686	-37.6949	0.033188	0.819938	BH
PITG_03393	Pi autophagy-related protein, puta	-12.7752	-3.53586	0.033233	0.819938	BH
PITG_02053	Pi 40S ribosomal protein S8-2 (975	-8.79842	2.454004	0.033247	0.819938	BH
PITG_10649	Pi conserved hypothetical protein (	-12.8008	-3.47988	0.033357	0.819938	BH
PITG_09307	Pi conserved hypothetical protein (	-30.709	-38.6141	0.033618	0.819938	BH
PITG_12935	Pi conserved hypothetical protein (	-31.0497	-37.9328	0.03367	0.819938	BH
PITG_15212	Pi conserved hypothetical protein (	-30.5389	-38.9543	0.033726	0.819938	BH
PITG_02923	Pi conserved hypothetical protein (	-31.1918	-37.6485	0.033781	0.819938	BH
PITG_08781	Pi conserved hypothetical protein (	-31.1848	-37.6626	0.033781	0.819938	BH
PITG_10017	Pi conserved hypothetical protein (	-31.1729	-37.6864	0.033781	0.819938	BH

PITG_16389	Pi crinkler (CRN) family protein, ps	-31.18	-37.6721	0.033781	0.819938	BH
PITG_15865	Pi conserved hypothetical protein (	-31.0014	-38.0294	0.033911	0.819938	BH
PITG_09767	Pi conserved hypothetical protein (	-30.9246	-38.1828	0.033996	0.819938	BH
PITG_09724	Pi conserved hypothetical protein (	-30.943	-38.1462	0.034039	0.819938	BH
PITG_04425	Pi ubiquitin-conjugating enzyme E2	-31.1408	-37.7505	0.034043	0.819938	BH
PITG_20755	Pi conserved hypothetical protein (	-31.1627	-37.7067	0.034043	0.819938	BH
PITG_04994	Pi conserved hypothetical protein (	-30.9655	-38.1011	0.034086	0.819938	BH
PITG_14669	Pi phospholipase A2, putative (938	-30.9169	-38.1982	0.034137	0.819938	BH
PITG_05303	Pi conserved hypothetical protein (	-12.0468	-3.13598	0.034187	0.819938	BH
PITG_18788	Pi tubulin/FtsZ family (3005 nt)	-30.9544	-38.1233	0.034247	0.819938	BH
PITG_08701	Pi conserved hypothetical protein (	-30.9981	-38.036	0.03429	0.819938	BH
PITG_03229	Pi glutathione S-transferase, putati	-30.9888	-38.0544	0.03429	0.819938	BH
PITG_10957	Pi hypothetical protein (2152 nt)	-31.1912	-37.6498	0.034382	0.819938	BH
PITG_07638	Pi phospholipase A2, putative (933	-30.8239	-38.3843	0.034489	0.819938	BH
PITG_12545	Pi croquemort-like mating protein	-30.8327	-38.3668	0.034703	0.819938	BH
PITG_11247	Pi heat shock 70 kDa protein (2090	-8.56138	2.96092	0.034838	0.819938	BH
PITG_20337	Pi conserved hypothetical protein (	-11.2668	4.75107	0.034861	0.819938	BH
PITG_09544	Pi conserved hypothetical protein (	-30.7139	-38.6044	0.034981	0.819938	BH
PITG_20611	Pi nucleoporin-like protein (1199 n	-31.184	-37.6641	0.034991	0.819938	BH
PITG_11552	Pi conserved hypothetical protein (	-31.0692	-37.8937	0.035037	0.819938	BH
PITG_19824	Pi conserved hypothetical protein (	-12.5293	-4.08022	0.035042	0.819938	BH
PITG_13673	Pi conserved hypothetical protein (	-30.9441	-38.144	0.035341	0.819938	BH
PITG_21766	Pi conserved hypothetical protein (	-30.9771	-38.078	0.035382	0.819938	BH
PITG_20324	Pi conserved hypothetical protein (	-30.7293	-38.5734	0.035386	0.819938	BH
PITG_09194	Pi aquaporin, putative (713 nt)	-30.9715	-38.0891	0.035552	0.819938	BH
PITG_12534	Pi 4-coumarate-CoA ligase, putativ	-31.0047	-38.0227	0.035586	0.819938	BH
PITG_13665	Pi conserved hypothetical protein (	-30.9974	-38.0373	0.035586	0.819938	BH
PITG_15525	Pi Rab21/Rab5 family GTPase, puta	-31.1815	-37.6691	0.035607	0.819938	BH
PITG_16093	Pi conserved hypothetical protein (	-31.1761	-37.6799	0.035607	0.819938	BH
PITG_10495	Pi hypothetical protein (1115 nt)	-30.3065	-39.4191	0.035686	0.819938	BH
PITG_06050	Pi Crinkler (CRN) family protein (18	-30.8996	-38.2329	0.035694	0.819938	BH
PITG_03104	Pi conserved hypothetical protein (	-30.9541	-38.124	0.036004	0.819938	BH
PITG_03113	Pi conserved hypothetical protein (	-30.9478	-38.1365	0.036004	0.819938	BH
PITG_09784	Pi conserved hypothetical protein (	-30.9577	-38.1168	0.036004	0.819938	BH
PITG_19178	Pi 13 kDa ribonucleoprotein-associ	-12.1623	2.729592	0.036139	0.819938	BH
PITG_16161	Pi hypothetical protein (2019 nt)	-30.9552	-38.1216	0.036218	0.819938	BH
PITG_18662	Pi conserved hypothetical protein (	-31.0343	-37.9634	0.036223	0.819938	BH
PITG_22165	Pi conserved hypothetical protein (	-31.1708	-37.6906	0.03623	0.819938	BH
PITG_23192	Pi small nuclear ribonucleoprotein	-31.1941	-37.6439	0.03623	0.819938	BH
PITG_20641	Pi Crinkler (CRN) family protein, ps	-30.6974	-38.6374	0.036251	0.819938	BH
PITG_16916	Pi protein kinase, putative (1603 nt)	-30.9778	-38.0765	0.036519	0.823203	BH
PITG_18824	Pi crinkler (CRN) family protein, ps	-12.8256	-3.43034	0.036553	0.823203	BH
PITG_00856	Pi conserved hypothetical protein (	-30.7961	-38.4399	0.036656	0.823728	BH
PITG_13560	Pi endoglucanase, putative (700 nt	-31.2375	37.55712	0.036801	0.823739	BH
PITG_10409	Pi SCP-like extracellular protein (60	-14.3964	5.355264	0.036814	0.823739	BH
PITG_19303	Pi conserved hypothetical protein (	-30.5321	-38.9678	0.037055	0.827339	BH
PITG_19482	Pi ras protein let-60 (1186 nt)	-31.0254	-37.9813	0.037298	0.830178	BH

PITG_14855	Pi conserved hypothetical protein (	-30.8827	-38.2668	0.037446	0.830178	BH
PITG_12480	Pi conserved hypothetical protein (	-31.2093	-37.6135	0.037483	0.830178	BH
PITG_02949	Pi conserved hypothetical protein (	-31.1921	-37.6478	0.0375	0.830178	BH
PITG_13052	Pi glycoside hydrolase, putative (11	-31.1536	-37.7249	0.037818	0.835445	BH
PITG_03519	Pi conserved hypothetical protein (	-31.2137	-37.6048	0.038123	0.838708	BH
PITG_21505	Pi conserved hypothetical protein (	-31.0362	-37.9596	0.038229	0.838708	BH
PITG_19316	Pi Crinkler (CRN) family protein, ps	-30.9913	-38.0496	0.038276	0.838708	BH
PITG_15150	Pi chaperone clpB (1245 nt)	-30.783	-38.4661	0.038301	0.838708	BH
PITG_00045	Pi myosin-like protein (4243 nt)	-31.1325	-37.7671	0.038414	0.838708	BH
PITG_22848	Pi Crinkler (CRN) family protein (11	-10.7103	-2.9908	0.03857	0.838708	BH
PITG_21151	Pi Annexin (Annexin) Family (1009	-30.8112	-38.4097	0.038657	0.838708	BH
PITG_17993	Pi conserved hypothetical protein (	-31.0285	-37.9751	0.038662	0.838708	BH
PITG_04365	Pi cysteine protease family C48, pu	-31.2164	-37.5992	0.03877	0.838708	BH
PITG_21872	Pi myosin-like protein (1703 nt)	-31.2159	-37.6002	0.03877	0.838708	BH
PITG_21987	Pi protein phosphatase 2C, putativ	-30.8796	-38.273	0.038858	0.838859	BH
PITG_23112	Pi expressed protein (596 nt)	-30.7594	-38.5134	0.039355	0.844424	BH
PITG_13286	Pi conserved hypothetical protein (	-31.0295	-37.9731	0.039356	0.844424	BH
PITG_11719	Pi 4-hydroxyphenylpyruvate dioxyg	-31.2077	-37.6167	0.039425	0.844424	BH
PITG_06512	Pi conserved hypothetical protein (	-30.9384	-38.1553	0.039451	0.844424	BH
PITG_14479	Pi conserved hypothetical protein (	-30.984	-38.0641	0.039671	0.844424	BH
PITG_19088	Pi conserved hypothetical protein (	-30.9753	-38.0816	0.039686	0.844424	BH
PITG_15864	Pi conserved hypothetical protein (	-31.0592	-37.9138	0.039687	0.844424	BH
PITG_02737	Pi conserved hypothetical protein (	-31.1101	-37.8118	0.039763	0.844424	BH
PITG_08657	Pi conserved hypothetical protein (	-12.8646	4.445577	0.039924	0.846107	BH
PITG_08376	Pi conserved hypothetical protein (	-30.9908	-38.0504	0.040381	0.85124	BH
PITG_12185	Pi 26S protease regulatory subunit	-11.3384	2.940003	0.040469	0.85124	BH
PITG_00628	Pi hypothetical protein (338 nt)	-30.7435	-38.5451	0.040522	0.85124	BH
PITG_17869	Pi conserved hypothetical protein (	-31.0512	-37.9296	0.040658	0.85124	BH
PITG_17264	Pi WD domain-containing protein,	-31.2233	-37.5855	0.040758	0.85124	BH
PITG_02119	Pi protein kinase, putative (1583 nt)	-31.0102	-38.0117	0.04077	0.85124	BH
PITG_19362	Pi myb-like DNA-binding protein, p	-30.953	-38.1262	0.040891	0.85124	BH
PITG_09548	Pi syntaxin-like protein (1222 nt)	-30.9358	-38.1605	0.04104	0.85124	BH
PITG_21932	Pi hypothetical protein (919 nt)	-30.988	-38.0562	0.0411	0.85124	BH
PITG_22830	Pi Crinkler (CRN) family protein, ps	-31.0374	-37.9573	0.041372	0.85124	BH
PITG_17333	Pi serine/threonine protein kinase	-31.1654	-37.7013	0.041497	0.85124	BH
PITG_15409	Pi conserved hypothetical protein (	-30.9586	-38.1149	0.041636	0.85124	BH
PITG_03245	Pi conserved hypothetical protein (	-31.2493	-37.5335	0.041732	0.85124	BH
PITG_08090	Pi conserved hypothetical protein (	-31.2588	-37.5146	0.041732	0.85124	BH
PITG_13617	Pi caltractin (633 nt)	-31.2337	-37.5647	0.041732	0.85124	BH
PITG_14057	Pi alcohol dehydrogenase, putative	-31.2371	-37.558	0.041732	0.85124	BH
PITG_02657	Pi conserved hypothetical protein (	-30.992	-38.0481	0.041828	0.85124	BH
PITG_02660	Pi conserved hypothetical protein (	-30.9948	-38.0426	0.041828	0.85124	BH
PITG_03577	Pi vacuolar protein sorting-associat	-31.1354	-37.7613	0.04188	0.85124	BH
PITG_15871	Pi nucleolar protein, putative (241	-31.1499	-37.7324	0.04188	0.85124	BH
PITG_17263	Pi regulator of microtubule dynam	-31.1405	-37.7512	0.04188	0.85124	BH
PITG_05959	Pi conserved hypothetical protein (	-30.7468	-38.5386	0.042131	0.854437	BH
PITG_14455	Pi Cation Diffusion Facilitator (CDF	-31.0288	-37.9745	0.042217	0.854437	BH

PITG_11883	Pi conserved hypothetical protein (	-14.2611	4.792026	0.042339	0.854437	BH
PITG_06976	Pi conserved hypothetical protein (	-30.8678	-38.2966	0.042379	0.854437	BH
PITG_02792	Pi conserved hypothetical protein (	-31.1317	-37.7688	0.042562	0.854437	BH
PITG_18822	Pi Crinkler (CRN) family protein, ps	-31.1225	-37.7871	0.042562	0.854437	BH
PITG_09193	Pi aquaporin, putative (942 nt)	-31.0147	-38.0027	0.042611	0.854437	BH
PITG_01925	Pi transmembrane protein, putativ	-31.1777	-37.6767	0.042893	0.857691	BH
PITG_05307	Pi phosphoenolpyruvate carboxyki	-10.7697	-3.41942	0.043032	0.857691	BH
PITG_02853	Pi 3,2-trans-enoyl-CoA isomerase, I	-31.2413	-37.5496	0.043103	0.857691	BH
PITG_15503	Pi conserved hypothetical protein (	-31.2335	-37.565	0.043103	0.857691	BH
PITG_11274	Pi long-chain-fatty-acid-CoA ligase,	-31.1481	-37.7359	0.0433	0.858519	BH
PITG_10939	Pi conserved hypothetical protein (	-31.004	-38.024	0.043309	0.858519	BH
PITG_11120	Pi conserved hypothetical protein (	-31.2207	-37.5906	0.043518	0.861029	BH
PITG_09964	Pi cellulose synthase 2 (3336 nt)	-31.0085	-38.0151	0.043698	0.861986	BH
PITG_07493	Pi Crinkler (CRN) family protein (56	-31.04	-37.9521	0.043969	0.861986	BH
PITG_23155	Pi Crinkler (CRN) family protein, ps	-31.1546	-37.723	0.044023	0.861986	BH
PITG_04131	Pi glycoside hydrolase, putative (22	-30.931	-38.17	0.044024	0.861986	BH
PITG_03811	Pi protein kinase (892 nt)	-30.929	-38.1741	0.044052	0.861986	BH
PITG_15602	Pi conserved hypothetical protein (	-30.9888	-38.0544	0.044062	0.861986	BH
PITG_12575	Pi autophagocytosis associated pro	-31.069	-37.8941	0.044422	0.865768	BH
PITG_16043	Pi conserved hypothetical protein (	-31.069	-37.8941	0.044422	0.865768	BH
PITG_09350	Pi aquaporin, putative (903 nt)	-30.9692	-38.0937	0.044944	0.870768	BH
PITG_10168	Pi conserved hypothetical protein (	-31.2024	-37.6273	0.044945	0.870768	BH
PITG_11718	Pi hypothetical protein (1646 nt)	-31.194	-37.6441	0.044945	0.870768	BH
PITG_15872	Pi conserved hypothetical protein (	-31.0642	-37.9037	0.045174	0.870768	BH
PITG_10290	Pi alcohol dehydrogenase, putative	-30.8734	-38.2852	0.045179	0.870768	BH
PITG_14275	Pi hypothetical protein (213 nt)	-30.8755	-38.2812	0.045179	0.870768	BH
PITG_17005	Pi conserved hypothetical protein (	-12.1335	-2.96443	0.045316	0.871788	BH
PITG_10680	Pi conserved hypothetical protein (	-30.953	-38.126	0.045426	0.872299	BH
PITG_01819	Pi conserved hypothetical protein (	-31.2208	-37.5905	0.045671	0.875135	BH
PITG_07160	Pi serine protease family S10, puta	-31.1659	-37.7002	0.045784	0.875135	BH
PITG_15100	Pi histidine ammonia-lyase (1846 n	-31.2333	-37.5655	0.045937	0.875135	BH
PITG_12798	Pi short chain dehydrogenase, puta	-30.9384	-38.1553	0.04641	0.875135	BH
PITG_04969	Pi conserved hypothetical protein (	-30.9167	-38.1987	0.046422	0.875135	BH
PITG_12531	Pi conserved hypothetical protein (	-31.1815	-37.6692	0.046527	0.875135	BH
PITG_02841	Pi conserved hypothetical protein (	-31.1819	-37.6683	0.046527	0.875135	BH
PITG_11736	Pi conserved hypothetical protein (	-31.1685	-37.6951	0.046527	0.875135	BH
PITG_06678	Pi conserved hypothetical protein (	-30.9584	-38.1152	0.046535	0.875135	BH
PITG_00842	Pi copine-like protein, putative (97	-31.2593	-37.5136	0.04663	0.875135	BH
PITG_08018	Pi conserved hypothetical protein (	-31.2851	-37.4619	0.04663	0.875135	BH
PITG_00587	Pi hypothetical protein (631 nt)	-30.9613	-38.1094	0.046991	0.875135	BH
PITG_20725	Pi histone H3.3 type 1 (656 nt)	-9.72211	3.014223	0.047017	0.875135	BH
PITG_00530	Pi conserved hypothetical protein (	-31.1267	-37.7786	0.047018	0.875135	BH
PITG_14634	Pi 1-(5-phosphoribosyl)-5-[(5-phos	-31.1976	-37.6369	0.047147	0.875135	BH
PITG_14924	Pi conserved hypothetical protein (	-31.0773	-37.8775	0.047315	0.875135	BH
PITG_15229	Pi conserved hypothetical protein (	-31.2824	-37.4674	0.047356	0.875135	BH
PITG_15365	Pi conserved hypothetical protein (	-31.2896	-37.4529	0.047356	0.875135	BH
PITG_15787	Pi conserved hypothetical protein (	-31.286	-37.4602	0.047356	0.875135	BH

PITG_08218	Pi conserved hypothetical protein (	-31.2493	-37.5334	0.047401	0.875135	BH
PITG_01131	Pi conserved hypothetical protein (	-14.0404	4.028587	0.04741	0.875135	BH
PITG_14273	Pi conserved hypothetical protein (	-30.7079	-38.6163	0.047482	0.875135	BH
PITG_03995	Pi ATP-dependent DNA helicase, pu	-31.0467	-37.9387	0.047858	0.875135	BH
PITG_11118	Pi conserved hypothetical protein (	-31.2024	-37.6272	0.047897	0.875135	BH
PITG_19665	Pi conserved hypothetical protein (	-31.2056	-37.6208	0.047897	0.875135	BH
PITG_18787	Pi conserved hypothetical protein (	-31.1856	-37.6609	0.048039	0.875135	BH
PITG_17279	Pi conserved hypothetical protein (	-31.1636	-37.7049	0.048039	0.875135	BH
PITG_20374	Pi conserved hypothetical protein (	-31.266	-37.5001	0.048091	0.875135	BH
PITG_16118	Pi conserved hypothetical protein (	-31.0827	-37.8667	0.0481	0.875135	BH
PITG_21517	Pi 2-oxoglutarate dehydrogenase E	-31.2527	-37.5267	0.048145	0.875135	BH
PITG_05462	Pi aldehyde dehydrogenase family	-31.0536	-37.9249	0.048176	0.875135	BH
PITG_00912	Pi 3-hydroxyisobutyrate dehydroge	-12.8423	-3.43337	0.048327	0.875253	BH
PITG_10282	Pi pre-mRNA branch site protein p	-31.0081	-38.0159	0.04835	0.875253	BH
PITG_15268	Pi conserved hypothetical protein (	-31.1112	-37.8097	0.048575	0.877798	BH
PITG_19775	Pi conserved hypothetical protein (	-31.1772	-37.6777	0.048808	0.877892	BH
PITG_02600	Pi hypothetical protein (549 nt)	-31.2775	-37.477	0.048833	0.877892	BH
PITG_16338	Pi conserved hypothetical protein (	-31.265	-37.5022	0.048833	0.877892	BH
PITG_15194	Pi Solute:Sodium Symporter (SSS) f	-31.0662	-37.8998	0.049062	0.879475	BH
PITG_00841	Pi conserved hypothetical protein (	-30.716	-38.6002	0.049089	0.879475	BH
PITG_16731	Pi conserved hypothetical protein (	-31.0834	-37.8653	0.049445	0.882805	BH
PITG_20734	Pi conserved hypothetical protein (	-31.0902	-37.8516	0.049445	0.882805	BH
PITG_14005	Pi conserved hypothetical protein (	-30.9564	-38.1194	0.049842	0.888388	BH
PITG_04373	Pi secreted RxLR effector peptide,	-12.9368	-3.22875	0.050088	0.889499	BH
PITG_21024	Pi conserved hypothetical protein (	-31.1145	-37.803	0.050167	0.889499	BH
PITG_02038	Pi fructose 1,6 bisphosphatase (10'	-31.0842	-37.8636	0.050246	0.889499	BH
PITG_03830	Pi 3'5'-cyclic nucleotide phosphodi	-31.0885	-37.855	0.050246	0.889499	BH
PITG_05175	Pi conserved hypothetical protein (	-12.8353	-3.4543	0.050961	0.896738	BH
PITG_02640	Pi conserved hypothetical protein (	-31.2811	-37.4699	0.051105	0.896738	BH
PITG_05387	Pi ATP-binding Cassette (ABC) Sup	-31.2621	-37.508	0.051105	0.896738	BH
PITG_07029	Pi palmitoyl-protein thioesterase 1	-31.2838	-37.4645	0.051105	0.896738	BH
PITG_01270	Pi conserved hypothetical protein (	-12.9298	-3.22177	0.051448	0.896738	BH
PITG_16050	Pi hypothetical protein (2981 nt)	-13.896	4.500813	0.051821	0.896738	BH
PITG_06263	Pi H/ACA ribonucleoprotein compl	-13.3786	3.200067	0.051874	0.896738	BH
PITG_10213	Pi conserved hypothetical protein (	-31.0993	-37.8335	0.052165	0.896738	BH
PITG_11881	Pi conserved hypothetical protein (	-15.5562	5.638057	0.052257	0.896738	BH
PITG_01285	Pi transmembrane protein, putativ	-31.306	-37.4202	0.052304	0.896738	BH
PITG_02745	Pi casein kinase II subunit beta (15	-31.3039	-37.4244	0.052304	0.896738	BH
PITG_03828	Pi conserved hypothetical protein (	-31.3118	-37.4085	0.052304	0.896738	BH
PITG_06732	Pi acyl-CoA dehydrogenase, putativ	-31.3075	-37.4171	0.052304	0.896738	BH
PITG_15138	Pi conserved hypothetical protein (	-31.3129	-37.4063	0.052304	0.896738	BH
PITG_22354	Pi hypothetical protein (586 nt)	-31.2933	-37.4455	0.052304	0.896738	BH
PITG_13387	Pi conserved hypothetical protein (	-12.9318	-3.21909	0.052369	0.896738	BH
PITG_09609	Pi conserved hypothetical protein (	-31.0855	-37.8611	0.052701	0.896738	BH
PITG_00089	Pi GTP-binding protein SAR1 (955 r	-11.2546	-2.95519	0.052764	0.896738	BH
PITG_13341	Pi 2,4-dienoyl-CoA reductase, mito	-31.1657	-37.7008	0.052781	0.896738	BH
PITG_16766	Pi hypothetical protein (1349 nt)	-31.3171	-37.3978	0.053079	0.896738	BH

PITG_17782	Pi iron-sulfur cluster assembly prot	-31.3194	-37.3934	0.053079	0.896738	BH
PITG_20121	Pi conserved hypothetical protein (	-31.3171	-37.3978	0.053079	0.896738	BH
PITG_00272	Pi phosphatidylinositol kinase (133	-12.8592	-3.3815	0.053085	0.896738	BH
PITG_07967	Pi protein kinase, putative (1453 nt)	-31.1552	-37.7217	0.053368	0.896738	BH
PITG_08538	Pi conserved hypothetical protein (	-31.2111	-37.61	0.053381	0.896738	BH
PITG_14605	Pi conserved hypothetical protein (	-31.2903	-37.4515	0.053449	0.896738	BH
PITG_09453	Pi conserved hypothetical protein (	-31.109	-37.8141	0.053463	0.896738	BH
PITG_07190	Pi conserved hypothetical protein (	-30.7664	-38.4993	0.053517	0.896738	BH
PITG_12231	Pi phosphatidic acid phosphatase (	-31.0827	-37.8667	0.053536	0.896738	BH
PITG_07156	Pi serine protease family S10, puta	-31.0854	-37.8613	0.053536	0.896738	BH
PITG_10347	Pi secreted RxLR effector peptide,	-31.3778	37.27642	0.053537	0.896738	BH
PITG_13638	Pi glucanase inhibitor protein 1 (77	-31.3778	37.27642	0.053537	0.896738	BH
PITG_14214	Pi conserved hypothetical protein (	-31.242	-37.5481	0.053579	0.896738	BH
PITG_23274	Pi crinkler (CRN) family protein, 5'	-31.2463	-37.5395	0.053579	0.896738	BH
PITG_03451	Pi conserved hypothetical protein (	-31.3066	-37.4189	0.053861	0.897143	BH
PITG_12580	Pi conserved hypothetical protein (	-31.3236	-37.3849	0.053861	0.897143	BH
PITG_18000	Pi conserved hypothetical protein (	-31.3198	-37.3925	0.053861	0.897143	BH
PITG_17452	Pi importin alpha-2 subunit (2296 r	-12.945	-3.1914	0.054185	0.900669	BH
PITG_16687	Pi conserved hypothetical protein (	-31.2707	-37.4907	0.054246	0.900669	BH
PITG_05325	Pi conserved hypothetical protein (	-31.3263	-37.3795	0.054651	0.904524	BH
PITG_19804	Pi hypothetical protein (1288 nt)	-31.3114	-37.4093	0.054651	0.904524	BH
PITG_06374	Pi Lysosomal Cystine Transporter (	-31.2653	-37.5015	0.055051	0.909691	BH
PITG_00537	Pi ubiquitin-conjugating enzyme E2	-31.2966	-37.4388	0.055449	0.911939	BH
PITG_02960	Pi mitogen-activated protein kinase	-31.3208	-37.3905	0.055449	0.911939	BH
PITG_08867	Pi mannitol dehydrogenase, putati	-31.2936	-37.4448	0.055449	0.911939	BH
PITG_07096	Pi protease inhibitor Epi11 (1335 n	-31.0921	-37.8479	0.05647	0.918645	BH
PITG_04121	Pi sorbitol dehydrogenase, putativ	-31.2983	-37.4355	0.057068	0.918645	BH
PITG_11286	Pi hypothetical protein (2926 nt)	-31.2946	-37.4428	0.057068	0.918645	BH
PITG_15706	Pi conserved hypothetical protein (	-31.0032	-38.0257	0.057595	0.918645	BH
PITG_09848	Pi medium-chain specific acyl-CoA	-31.1831	-37.6659	0.05784	0.918645	BH
PITG_06323	Pi endomembrane protein 70-like	-31.2916	-37.449	0.05789	0.918645	BH
PITG_23287	Pi crinkler (CRN) domain, pseudoge	-10.2647	-2.87547	0.058105	0.918645	BH
PITG_01119	Pi conserved hypothetical protein (	-12.9418	-3.22645	0.058155	0.918645	BH
PITG_19581	Pi crinkler (CRN) family protein, ps	-11.6746	-2.85591	0.058229	0.918645	BH
PITG_12182	Pi conserved hypothetical protein (	-31.2566	-37.519	0.058353	0.918645	BH
PITG_00955	Pi conserved hypothetical protein (	-31.3611	-37.3099	0.058912	0.918645	BH
PITG_09669	Pi protein kinase (525 nt)	-31.3308	-37.3705	0.058912	0.918645	BH
PITG_11982	Pi conserved hypothetical protein (	-31.3357	-37.3606	0.058912	0.918645	BH
PITG_12754	Pi dynein light chain 2B (588 nt)	-31.3588	-37.3145	0.058912	0.918645	BH
PITG_16065	Pi conserved hypothetical protein (	-31.348	-37.3361	0.058912	0.918645	BH
PITG_18045	Pi protein kinase, putative (1574 nt)	-31.3599	-37.3122	0.058912	0.918645	BH
PITG_07241	Pi Monovalent Cation:Proton Antip	-31.2905	-37.4511	0.059199	0.918645	BH
PITG_11977	Pi conserved hypothetical protein (	-31.2426	-37.5469	0.05942	0.918645	BH
PITG_20074	Pi flavodoxin-like protein (537 nt)	-31.2491	-37.5339	0.05942	0.918645	BH
PITG_10005	Pi conserved hypothetical protein (	-31.3116	-37.4089	0.059556	0.918645	BH
PITG_06474	Pi conserved hypothetical protein (	-31.1868	-37.6585	0.059599	0.918645	BH
PITG_05117	Pi glycine amidinotransferase, mitc	-31.3335	-37.3651	0.059738	0.918645	BH

PITG_08304	Pi cGMP-dependent protein kinase	-31.3419	-37.3484	0.059738	0.918645	BH
PITG_09387	Pi aspartyl protease family A01A, p	-31.343	-37.3461	0.059738	0.918645	BH
PITG_14949	Pi conserved hypothetical protein (	-31.3634	-37.3054	0.059738	0.918645	BH
PITG_19870	Pi bax inhibitor-like protein (1129 r	-31.3577	-37.3168	0.059738	0.918645	BH
PITG_13306	Pi secreted RxLR effector peptide,	-31.0702	-37.8918	0.059952	0.918645	BH
PITG_19624	Pi polygalacturonase, putative (111	-14.1809	3.922062	0.060258	0.918645	BH
PITG_03344	Pi H - or Na -translocating F-type, v	-31.3352	-37.3618	0.060572	0.918645	BH
PITG_03596	Pi conserved hypothetical protein (	-31.3514	-37.3293	0.060572	0.918645	BH
PITG_04108	Pi conserved hypothetical protein (	-31.3357	-37.3607	0.060572	0.918645	BH
PITG_12179	Pi conserved hypothetical protein (	-31.3537	-37.3247	0.060572	0.918645	BH
PITG_13438	Pi conserved hypothetical protein (	-31.3336	-37.3649	0.060572	0.918645	BH
PITG_20728	Pi conserved hypothetical protein (	-31.3617	-37.3088	0.060572	0.918645	BH
PITG_13324	Pi conserved hypothetical protein (	-31.2497	-37.5327	0.061165	0.918645	BH
PITG_12164	Pi conserved hypothetical protein (	-31.3203	-37.3916	0.061254	0.918645	BH
PITG_14047	Pi conserved hypothetical protein (	-31.298	-37.4361	0.061254	0.918645	BH
PITG_00914	Pi nuclear transcription factor Y sul	-31.3346	-37.3629	0.061413	0.918645	BH
PITG_11792	Pi conserved hypothetical protein (	-31.3628	-37.3065	0.061413	0.918645	BH
PITG_00545	Pi nucleoredoxin, putative (600 nt)	-31.2296	-37.573	0.062051	0.918645	BH
PITG_11374	Pi hypothetical protein (309 nt)	-12.9542	-3.17901	0.0621	0.918645	BH
PITG_13986	Pi trafficking protein particle comp	-31.3576	-37.3169	0.062262	0.918645	BH
PITG_15761	Pi conserved hypothetical protein (	-31.3634	-37.3053	0.062262	0.918645	BH
PITG_14391	Pi conserved hypothetical protein (	-12.9748	-3.1342	0.062278	0.918645	BH
PITG_05582	Pi glutathione S-transferase, putati	-10.1707	-2.78995	0.062605	0.918645	BH
PITG_08252	Pi hypothetical protein (1222 nt)	-31.0485	-37.935	0.062802	0.918645	BH
PITG_05328	Pi conserved hypothetical protein (	-31.1957	-37.6408	0.062855	0.918645	BH
PITG_16274	Pi M96 mating-specific protein far	-31.2469	-37.5383	0.062946	0.918645	BH
PITG_04881	Pi conserved hypothetical protein (	-31.352	-37.328	0.063119	0.918645	BH
PITG_19042	Pi conserved hypothetical protein (	-31.3406	-37.3508	0.063119	0.918645	BH
PITG_06862	Pi ATP-binding Cassette (ABC) Supe	-30.9674	-38.0974	0.063795	0.918645	BH
PITG_11857	Pi C2 domain-containing protein, p	-31.3572	-37.3178	0.063984	0.918645	BH
PITG_01698	Pi small cysteine rich protein SCR70	-12.9396	-3.21449	0.064111	0.918645	BH
PITG_05489	Pi conserved hypothetical protein (	-12.9353	-3.22674	0.06418	0.918645	BH
PITG_02500	Pi conserved hypothetical protein (	-31.2726	-37.4868	0.06445	0.918645	BH
PITG_09066	Pi conserved hypothetical protein (	-31.2407	-37.5507	0.064762	0.918645	BH
PITG_02995	Pi conserved hypothetical protein (	-31.3639	-37.3044	0.064856	0.918645	BH
PITG_21257	Pi conserved hypothetical protein (	-31.1755	-37.681	0.065101	0.918645	BH
PITG_05112	Pi protein kinase, putative (2275 nt	-31.3114	-37.4093	0.065642	0.918645	BH
PITG_07807	Pi conserved hypothetical protein (	-31.3157	-37.4007	0.066544	0.918645	BH
PITG_18410	Pi conserved hypothetical protein (	-31.2169	-37.5984	0.066571	0.918645	BH
PITG_18951	Pi carbohydrate-binding protein, pi	-31.2481	-37.536	0.066613	0.918645	BH
PITG_00455	Pi conserved hypothetical protein (	-31.3762	-37.2798	0.066648	0.918645	BH
PITG_03513	Pi protein kinase, putative (1587 nt	-31.3785	-37.2752	0.066648	0.918645	BH
PITG_06025	Pi conserved hypothetical protein (	-31.3838	-37.2646	0.066648	0.918645	BH
PITG_08213	Pi carbohydrate-binding protein, pi	-31.29	-37.4521	0.067454	0.918645	BH
PITG_05537	Pi copper-transporting ATPase, put	-31.3471	-37.3378	0.067521	0.918645	BH
PITG_00806	Pi conserved hypothetical protein (	-31.3785	-37.2751	0.067529	0.918645	BH
PITG_04380	Pi hypothetical protein (740 nt)	-31.3808	-37.2705	0.067529	0.918645	BH

PITG_10736	Pi cysteine protease family C54, pu	-31.3767	-37.2787	0.067529	0.918645	BH
PITG_11768	Pi conserved hypothetical protein (	-31.3738	-37.2844	0.067529	0.918645	BH
PITG_14055	Pi alcohol dehydrogenase, putative	-31.3814	-37.2694	0.067529	0.918645	BH
PITG_16879	Pi conserved hypothetical protein (	-31.3674	-37.2973	0.067529	0.918645	BH
PITG_07514	Pi crinkler (CRN) family protein, ps	-31.228	-37.5762	0.067552	0.918645	BH
PITG_10392	Pi conserved hypothetical protein (	-31.1676	-37.6968	0.06798	0.918645	BH
PITG_05584	Pi hypothetical protein (1111 nt)	-31.264	-37.504	0.068121	0.918645	BH
PITG_09389	Pi trehalose-phosphatase, putative	-31.3956	-37.2409	0.068417	0.918645	BH
PITG_14989	Pi conserved hypothetical protein (	-31.3994	-37.2333	0.068417	0.918645	BH
PITG_05593	Pi conserved hypothetical protein (	-31.3399	-37.3522	0.068425	0.918645	BH
PITG_09837	Pi secreted RxLR effector peptide,	-31.3528	-37.3264	0.068425	0.918645	BH
PITG_16458	Pi conserved hypothetical protein (	-31.3574	-37.3173	0.068425	0.918645	BH
PITG_02109	Pi conserved hypothetical protein (	-31.2453	-37.5416	0.068501	0.918645	BH
PITG_01407	Pi D-isomer specific 2-hydroxyacid	-31.1278	-37.7765	0.068887	0.918645	BH
PITG_05516	Pi glutathione S-transferase omega	-31.3169	-37.3983	0.0693	0.918645	BH
PITG_05953	Pi conserved hypothetical protein (	-31.3721	-37.288	0.069313	0.918645	BH
PITG_15539	Pi conserved hypothetical protein (	-31.3796	-37.2729	0.069313	0.918645	BH
PITG_22928	Pi glutaryl-CoA dehydrogenase, pu	-31.3756	-37.2809	0.069313	0.918645	BH
PITG_00809	Pi M96 mating-specific protein far	-31.3562	-37.3197	0.069337	0.918645	BH
PITG_09787	Pi cytochrome P450, putative (169	-31.2213	-37.5895	0.069458	0.918645	BH
PITG_03550	Pi histone H2B (493 nt)	-10.3692	2.956135	0.069737	0.918645	BH
PITG_19854	Pi conserved hypothetical protein (	-13.0003	-3.08818	0.069997	0.918645	BH
PITG_03092	Pi conserved hypothetical protein (	-31.2543	-37.5236	0.070009	0.918645	BH
PITG_17257	Pi carbohydrate esterase, putative	-12.172	-2.92201	0.07008	0.918645	BH
PITG_14274	Pi conserved hypothetical protein (	-30.9542	-38.1237	0.070107	0.918645	BH
PITG_08725	Pi protein kinase (2339 nt)	-31.4011	-37.23	0.070217	0.918645	BH
PITG_22319	Pi UDP-glucose 4-epimerase, putat	-31.375	-37.2821	0.070217	0.918645	BH
PITG_04010	Pi APS kinase/ATP sulfurlyase/pyro	-31.3058	-37.4205	0.070235	0.918645	BH
PITG_20793	Pi conserved hypothetical protein (	-31.3744	-37.2834	0.071128	0.918645	BH
PITG_05386	Pi Zinc (Zn <sup>2+</sup> )-Iron (Fe <sup>2+</sup> ) Permease	-31.3849	-37.2622	0.071128	0.918645	BH
PITG_00359	Pi hypothetical protein (817 nt)	-31.3064	-37.4193	0.071179	0.918645	BH
PITG_11689	Pi putative GPI-anchored serine-ric	-13.0988	-2.89233	0.071397	0.918645	BH
PITG_15654	Pi conserved hypothetical protein (	-12.2885	-2.65065	0.071918	0.918645	BH
PITG_16849	Pi hypothetical protein (713 nt)	-31.2652	-37.5016	0.071932	0.918645	BH
PITG_09072	Pi conserved hypothetical protein (	-31.3779	-37.2763	0.072047	0.918645	BH
PITG_19959	Pi hypothetical protein (984 nt)	-31.3652	-37.3018	0.072047	0.918645	BH
PITG_14636	Pi COP9 signalosome complex subu	-31.3386	-37.3549	0.072122	0.918645	BH
PITG_10681	Pi conserved hypothetical protein (	-31.2954	-37.4413	0.072131	0.918645	BH
PITG_18233	Pi conserved hypothetical protein (	-13.0286	-3.02542	0.072224	0.918645	BH
PITG_08932	Pi conserved hypothetical protein (	-13.1308	-2.81979	0.072627	0.918645	BH
PITG_01238	Pi hypothetical protein (1236 nt)	-31.1834	-37.6652	0.072975	0.918645	BH
PITG_03655	Pi conserved hypothetical protein (	-31.3589	-37.3142	0.073066	0.918645	BH
PITG_14126	Pi potential polyprotein (1978 nt)	-31.2145	-37.603	0.073435	0.918645	BH
PITG_20079	Pi conserved hypothetical protein (	-31.2729	-37.4864	0.07389	0.918645	BH
PITG_10353	Pi conserved hypothetical protein (	-31.2413	-37.5495	0.074383	0.918645	BH
PITG_13226	Pi conserved hypothetical protein (	-31.1891	-37.654	0.074454	0.918645	BH
PITG_02567	Pi T-complex protein 1 subunit alpl	-12.2889	2.421487	0.07452	0.918645	BH



PITG_01811	Pi F-box protein, putative (1187 nt)	-31.4183	-37.1956	0.07576	0.918645	BH
PITG_01950	Pi protein kinase, putative (2368 nt)	-31.4436	-37.145	0.07576	0.918645	BH
PITG_13248	Pi conserved hypothetical protein (1187 nt)	-31.4308	-37.1705	0.07576	0.918645	BH
PITG_15406	Pi Amino Acid/Auxin Permease (AAAP)	-31.443	-37.1462	0.07576	0.918645	BH
PITG_18417	Pi conserved hypothetical protein (1187 nt)	-31.4436	-37.145	0.07576	0.918645	BH
PITG_09271	Pi ornithine aminotransferase, mitochondrial	-13.1108	-2.86822	0.075762	0.918645	BH
PITG_07285	Pi conserved hypothetical protein (1187 nt)	-11.1036	-2.69795	0.076116	0.918645	BH
PITG_21325	Pi crinkler (CRN) domain, pseudogenized	-11.4442	-2.55157	0.076395	0.918645	BH
PITG_07786	Pi hypothetical protein (438 nt)	-31.2237	-37.5847	0.076418	0.918645	BH
PITG_01239	Pi conserved hypothetical protein (1187 nt)	-31.4383	-37.1555	0.076698	0.918645	BH
PITG_13505	Pi hypothetical protein (766 nt)	-31.4108	-37.2105	0.076698	0.918645	BH
PITG_21556	Pi conserved hypothetical protein (1187 nt)	-31.4282	-37.1757	0.076698	0.918645	BH
PITG_05545	Pi conserved hypothetical protein (1187 nt)	-31.3804	-37.2713	0.076759	0.918645	BH
PITG_20382	Pi conserved hypothetical protein (1187 nt)	-31.353	-37.326	0.076925	0.918645	BH
PITG_03644	Pi Rab8 family GTPase, putative (681 nt)	-31.4207	-37.1908	0.077644	0.918645	BH
PITG_08465	Pi conserved hypothetical protein (1187 nt)	-31.445	-37.1422	0.077644	0.918645	BH
PITG_10064	Pi conserved hypothetical protein (1187 nt)	-31.4345	-37.1632	0.077644	0.918645	BH
PITG_04820	Pi conserved hypothetical protein (1187 nt)	-31.4253	-37.1815	0.077644	0.918645	BH
PITG_06631	Pi conserved hypothetical protein (1187 nt)	-31.3648	-37.3026	0.077724	0.918645	BH
PITG_07711	Pi Major Facilitator Superfamily (MFS)	-31.3783	-37.2755	0.077724	0.918645	BH
PITG_12140	Pi peroxisomal Lon protease (2784 nt)	-31.3914	-37.2493	0.077724	0.918645	BH
PITG_13809	Pi Rab18 family GTPase, putative (681 nt)	-31.3893	-37.2536	0.077724	0.918645	BH
PITG_10148	Pi conserved hypothetical protein (1187 nt)	-13.1045	-2.88827	0.078074	0.918645	BH
PITG_01775	Pi protein phosphatase 2C, putative (1187 nt)	-31.4291	-37.1739	0.078598	0.918645	BH
PITG_04611	Pi protein kinase (1116 nt)	-31.4357	-37.1607	0.078598	0.918645	BH
PITG_13392	Pi conserved hypothetical protein (1187 nt)	-31.4402	-37.1518	0.078598	0.918645	BH
PITG_01172	Pi methionine-R-sulfoxide reductase (1187 nt)	-31.4284	-37.1752	0.079559	0.918645	BH
PITG_15248	Pi catalase (1694 nt)	-31.3694	-37.2932	0.079679	0.918645	BH
PITG_22416	Pi conserved hypothetical protein (1187 nt)	-11.6702	-4.11307	0.079737	0.918645	BH
PITG_05140	Pi L-threonine 3-dehydrogenase, putative	-13.1671	-2.74963	0.079759	0.918645	BH
PITG_17908	Pi urease accessory protein ureG, putative	-31.3257	-37.3807	0.079907	0.918645	BH
PITG_06635	Pi signal recognition particle, putative	-31.4108	-37.2105	0.080528	0.918645	BH
PITG_02615	Pi conserved hypothetical protein (1187 nt)	-31.366	-37.3	0.080669	0.918645	BH
PITG_19320	Pi Crinkler (CRN) family protein (84 nt)	-13.0363	-3.0149	0.081086	0.918645	BH
PITG_04732	Pi conserved hypothetical protein (1187 nt)	-30.9777	-38.0768	0.081655	0.918645	BH
PITG_10499	Pi conserved hypothetical protein (1187 nt)	-31.3747	-37.2826	0.081666	0.918645	BH
PITG_11690	Pi conserved hypothetical protein (1187 nt)	-12.3571	-2.50604	0.081759	0.918645	BH
PITG_15149	Pi conserved hypothetical protein (1187 nt)	-31.417	-37.1982	0.082488	0.918645	BH
PITG_15388	Pi phenol acid carboxylase, putative	-11.9758	3.166328	0.082939	0.918645	BH
PITG_14917	Pi thioredoxin-like protein (2028 nt)	-31.4153	-37.2016	0.084478	0.918645	BH
PITG_14509	Pi hypothetical protein (243 nt)	-31.3883	-37.2554	0.084707	0.918645	BH
PITG_20994	Pi conserved hypothetical protein (1187 nt)	-31.4364	-37.1593	0.085484	0.918645	BH
PITG_18011	Pi conserved hypothetical protein (1187 nt)	-13.1647	-2.76049	0.085604	0.918645	BH
PITG_03054	Pi conserved hypothetical protein (1187 nt)	-31.3583	-37.3154	0.086097	0.918645	BH
PITG_15531	Pi glutathione S-transferase, putative	-13.1078	-2.89053	0.086297	0.918645	BH
PITG_15069	Pi conserved hypothetical protein (1187 nt)	-9.53907	3.487762	0.086363	0.918645	BH
PITG_09597	Pi conserved hypothetical protein (1187 nt)	-31.3785	-37.2751	0.086775	0.918645	BH

PITG_11854	Pi C2 domain-containing protein, p	-31.3932	-37.2458	0.086775	0.918645	BH
PITG_10390	Pi conserved hypothetical protein (	-31.1775	-37.6771	0.087156	0.918645	BH
PITG_06693	Pi trifunctional enzyme subunit alp	-31.269	-37.4941	0.087511	0.918645	BH
PITG_05781	Pi eukaryotic translation initiation	-31.4277	-37.1767	0.087521	0.918645	BH
PITG_09705	Pi SUMO-conjugating enzyme (SCE	-31.4417	-37.1486	0.087521	0.918645	BH
PITG_11182	Pi conserved hypothetical protein (	-31.4239	-37.1844	0.087521	0.918645	BH
PITG_14170	Pi galactokinase, putative (1310 nt	-31.409	-37.2141	0.087521	0.918645	BH
PITG_15551	Pi hypothetical protein (517 nt)	-31.4183	-37.1955	0.087521	0.918645	BH
PITG_01777	Pi presenilin-like protein (2926 nt)	-31.4784	-37.0754	0.087558	0.918645	BH
PITG_02984	Pi conserved hypothetical protein (	-31.4825	-37.0672	0.087558	0.918645	BH
PITG_06790	Pi Ufm1-conjugating enzyme 1 (56	-31.465	-37.1022	0.087558	0.918645	BH
PITG_11438	Pi hypothetical protein (689 nt)	-31.4597	-37.1127	0.087558	0.918645	BH
PITG_12948	Pi conserved hypothetical protein (	-31.4606	-37.111	0.087558	0.918645	BH
PITG_13101	Pi fimbrin-like protein (2444 nt)	-31.4737	-37.0848	0.087558	0.918645	BH
PITG_14260	Pi FACT complex subunit SSRP1, pu	-31.4612	-37.1097	0.087558	0.918645	BH
PITG_15416	Pi conserved hypothetical protein (	-31.4837	-37.0646	0.087558	0.918645	BH
PITG_20125	Pi conserved hypothetical protein (	-31.4777	-37.0766	0.087558	0.918645	BH
PITG_22264	Pi ribosomal protein S6 kinase alph	-31.465	-37.1022	0.087558	0.918645	BH
PITG_22870	Pi avr2 secreted RxLR effector pepi	-16.3134	6.419337	0.087956	0.918645	BH
PITG_20321	Pi retinol dehydrogenase, putative	-31.4202	-37.1917	0.08855	0.918645	BH
PITG_02177	Pi metalloprotease family M48X, p	-31.4722	-37.0878	0.088565	0.918645	BH
PITG_12696	Pi conserved hypothetical protein (	-31.4739	-37.0843	0.088565	0.918645	BH
PITG_15892	Pi calcium/calmodulin dependent p	-31.4715	-37.0891	0.088565	0.918645	BH
PITG_18306	Pi conserved hypothetical protein (	-9.48024	-2.67492	0.088619	0.918645	BH
PITG_14993	Pi protein-L-isoaspartate O-methyl	-31.1312	-37.7697	0.089718	0.918645	BH
PITG_04530	Pi conserved hypothetical protein (	-13.1887	-2.70524	0.089751	0.918645	BH
PITG_03095	Pi carbohydrate-binding protein, pi	-31.3693	-37.2935	0.089937	0.918645	BH
PITG_04921	Pi hypothetical protein (456 nt)	-31.3987	-37.2348	0.089937	0.918645	BH
PITG_08509	Pi conserved hypothetical protein (	-12.2967	-2.66278	0.09032	0.918645	BH
PITG_09872	Pi cell 5A endo-1,4-beta-glucanase (	-31.7349	-36.5624	0.090532	0.918645	BH
PITG_17594	Pi conserved hypothetical protein (	-31.7349	-36.5624	0.090532	0.918645	BH
PITG_05738	Pi cleavage induced conserved hyp	-31.4561	-37.1199	0.0906	0.918645	BH
PITG_22286	Pi Crinkler (CRN) family protein, ps	-31.4808	-37.0706	0.0906	0.918645	BH
PITG_22628	Pi hypothetical protein (589 nt)	-31.4037	-37.2246	0.090633	0.918645	BH
PITG_09748	Pi CUG-BP- and ETR-3-like factor, p	-13.1966	-2.69065	0.090971	0.918645	BH
PITG_18002	Pi conserved hypothetical protein (	-31.3821	-37.2679	0.091008	0.918645	BH
PITG_21303	Pi secreted RxLR effector peptide,	-12.7173	-3.79922	0.091229	0.918645	BH
PITG_08487	Pi conserved hypothetical protein (	-31.7425	-36.5472	0.091463	0.918645	BH
PITG_09067	Pi M96 mating-specific protein far	-31.3404	-37.3512	0.091493	0.918645	BH
PITG_02910	Pi conserved hypothetical protein (	-31.3482	-37.3357	0.091493	0.918645	BH
PITG_05421	Pi conserved hypothetical protein (	-31.3289	-37.3742	0.091493	0.918645	BH
PITG_11997	Pi conserved hypothetical protein (	-31.4563	-37.1196	0.091628	0.918645	BH
PITG_16205	Pi conserved hypothetical protein (	-31.4509	-37.1303	0.091628	0.918645	BH
PITG_17747	Pi H - or Na -translocating F-type, v	-31.4472	-37.1378	0.091628	0.918645	BH
PITG_18543	Pi conserved hypothetical protein (	-31.4795	-37.0732	0.091628	0.918645	BH
PITG_01826	Pi conserved hypothetical protein (	-31.2197	-37.5928	0.091749	0.918645	BH
PITG_11692	Pi conserved hypothetical protein (	-31.2627	-37.5067	0.092023	0.918645	BH

PITG_02409	Pi Folate-Biopterin Transporter (FB	-14.4992	4.095775	0.092334	0.918645	BH
PITG_02565	Pi protein kinase, putative (1170 nt)	-31.7291	-36.574	0.0924	0.918645	BH
PITG_03115	Pi conserved hypothetical protein (	-31.7291	-36.574	0.0924	0.918645	BH
PITG_08061	Pi hydroxyacyl-coenzyme A dehydr	-31.6824	-36.6673	0.092653	0.918645	BH
PITG_14231	Pi importin subunit alpha, putative	-31.4594	-37.1133	0.092664	0.918645	BH
PITG_12526	Pi conserved hypothetical protein (	-31.4353	-37.1615	0.092746	0.918645	BH
PITG_13152	Pi conserved hypothetical protein (	-31.4044	-37.2233	0.092746	0.918645	BH
PITG_17254	Pi conserved hypothetical protein (	-31.4397	-37.1526	0.092746	0.918645	BH
PITG_06423	Pi conserved hypothetical protein (	-13.0442	-3.0392	0.092896	0.918645	BH
PITG_09955	Pi acyl-CoA dehydrogenase family	-31.3869	-37.2583	0.093175	0.918645	BH
PITG_21607	Pi serine protease family S10, puta	-31.3952	-37.2417	0.093175	0.918645	BH
PITG_19053	Pi hypothetical protein (291 nt)	-11.5206	3.072907	0.093484	0.918645	BH
PITG_08733	Pi conserved hypothetical protein (	-31.664	-36.7041	0.093643	0.918645	BH
PITG_13112	Pi conserved hypothetical protein (	-31.658	-36.7162	0.093643	0.918645	BH
PITG_01365	Pi protein kinase, putative (3470 nt)	-31.4814	-37.0692	0.093707	0.918645	BH
PITG_09262	Pi Equilibrative Nucleoside Transp	-31.4132	-37.2057	0.094241	0.918645	BH
PITG_19298	Pi sugar phosphate exchanger, put	-31.7168	-36.5986	0.094296	0.918645	BH
PITG_05553	Pi D-lactate dehydrogenase, putati	-31.4674	-37.0973	0.094758	0.918645	BH
PITG_04043	Pi conserved hypothetical protein (	-31.4446	-37.1429	0.094758	0.918645	BH
PITG_16262	Pi hypothetical protein (1312 nt)	-31.4535	-37.1251	0.094758	0.918645	BH
PITG_04678	Pi phosphatidylinositol-3,4,5-trisph	-31.5467	-36.9387	0.095037	0.918645	BH
PITG_17445	Pi glycerol kinase 1 (1685 nt)	-13.1506	-2.7986	0.095426	0.918645	BH
PITG_15269	Pi conserved hypothetical protein (	-31.6834	-36.6654	0.095645	0.918645	BH
PITG_08536	Pi conserved hypothetical protein (	-31.5923	-36.8476	0.096495	0.918645	BH
PITG_13204	Pi conserved hypothetical protein (	-11.9306	-2.30785	0.096515	0.918645	BH
PITG_13616	Pi conserved hypothetical protein (	-31.4476	-37.1369	0.096881	0.918645	BH
PITG_22835	Pi Crinkler (CRN) family protein, ps	-12.394	-2.43968	0.097675	0.918645	BH
PITG_02767	Pi cysteine dioxygenase, putative (	-31.6661	-36.6999	0.097679	0.918645	BH
PITG_00209	Pi Major Facilitator Superfamily (M	-31.7963	-36.4396	0.097888	0.918645	BH
PITG_03416	Pi cysteine protease family C01A, p	-31.7768	-36.4785	0.097888	0.918645	BH
PITG_03460	Pi seryl-tRNA synthetase (1365 nt)	-31.7913	-36.4495	0.097888	0.918645	BH
PITG_03520	Pi conserved hypothetical protein (	-31.78	-36.4721	0.097888	0.918645	BH
PITG_06150	Pi conserved hypothetical protein (	-31.8037	-36.4247	0.097888	0.918645	BH
PITG_09598	Pi U4/U6.U5 tri-snRNP-associated	-31.7971	-36.438	0.097888	0.918645	BH
PITG_11107	Pi conserved hypothetical protein (	-31.776	-36.4801	0.097888	0.918645	BH
PITG_12496	Pi conserved hypothetical protein (	-31.7744	-36.4833	0.097888	0.918645	BH
PITG_16128	Pi conserved hypothetical protein (	-31.8061	-36.4199	0.097888	0.918645	BH
PITG_16352	Pi conserved hypothetical protein (	-31.7913	-36.4495	0.097888	0.918645	BH
PITG_17012	Pi conserved hypothetical protein (	-31.7697	-36.4928	0.097888	0.918645	BH
PITG_19850	Pi conserved hypothetical protein (	-31.7768	-36.4785	0.097888	0.918645	BH
PITG_20381	Pi hypothetical protein (791 nt)	-31.8037	-36.4247	0.097888	0.918645	BH
PITG_01722	Pi conserved hypothetical protein (	-31.7955	-36.4412	0.097888	0.918645	BH
PITG_12843	Pi rab proteins geranylgeranyltrans	-31.7816	-36.4689	0.097888	0.918645	BH
PITG_14592	Pi hypothetical protein (608 nt)	-31.7881	-36.4559	0.097888	0.918645	BH
PITG_15301	Pi protein kinase (929 nt)	-31.7897	-36.4527	0.097888	0.918645	BH
PITG_15485	Pi conserved hypothetical protein (	-31.7905	-36.4511	0.097888	0.918645	BH
PITG_21183	Pi conserved hypothetical protein (	-31.7752	-36.4817	0.097888	0.918645	BH

PITG_05589	Pi conserved hypothetical protein (	-31.4648	-37.1025	0.097954	0.918645	BH
PITG_09652	Pi conserved hypothetical protein (	-12.3522	-2.5404	0.098585	0.918645	BH
PITG_04773	Pi conserved hypothetical protein (	-31.8029	-36.4264	0.098822	0.918645	BH
PITG_05383	Pi conserved hypothetical protein (	-31.818	-36.3961	0.098822	0.918645	BH
PITG_06390	Pi conserved hypothetical protein (	-31.7712	-36.4897	0.098822	0.918645	BH
PITG_09315	Pi conserved hypothetical protein (	-31.7856	-36.4609	0.098822	0.918645	BH
PITG_09641	Pi conserved hypothetical protein (	-31.7712	-36.4897	0.098822	0.918645	BH
PITG_09931	Pi conserved hypothetical protein (	-31.8172	-36.3978	0.098822	0.918645	BH
PITG_11648	Pi chitobiosyldiphosphodolichol be	-31.7713	-36.4896	0.098822	0.918645	BH
PITG_12504	Pi Mitochondrial Carrier (MC) Fami	-31.7705	-36.4912	0.098822	0.918645	BH
PITG_13153	Pi GTP-binding protein, putative (1	-31.7856	-36.4609	0.098822	0.918645	BH
PITG_14995	Pi conserved hypothetical protein (	-31.7995	-36.4331	0.098822	0.918645	BH
PITG_15357	Pi conserved hypothetical protein (	-31.7792	-36.4737	0.098822	0.918645	BH
PITG_15694	Pi dihydroorotase (1271 nt)	-31.818	-36.3961	0.098822	0.918645	BH
PITG_17683	Pi conserved hypothetical protein (	-31.8077	-36.4166	0.098822	0.918645	BH
PITG_20505	Pi conserved hypothetical protein (	-31.7873	-36.4575	0.098822	0.918645	BH
PITG_21182	Pi apoptosis-inducing factor 1, puta	-31.7776	-36.4769	0.098822	0.918645	BH
PITG_09253	Pi conserved hypothetical protein (	-31.772	-36.4881	0.098822	0.918645	BH
PITG_10463	Pi conserved hypothetical protein (	-31.772	-36.4881	0.098822	0.918645	BH
PITG_13768	Pi acyl-CoA-binding domain-contain	-31.8153	-36.4016	0.098822	0.918645	BH
PITG_16760	Pi elongation of very long chain fat	-13.0973	3.277087	0.098944	0.918645	BH
PITG_16469	Pi RMD5 family protein (2464 nt)	-31.7319	-36.5684	0.099156	0.918645	BH
PITG_21765	Pi conserved hypothetical protein (	-31.7186	-36.5948	0.099156	0.918645	BH
PITG_12882	Pi electron transfer flavoprotein su	-11.529	-2.41393	0.099749	0.918645	BH
PITG_18635	Pi conserved hypothetical protein (	-31.7937	-36.4446	0.099761	0.918645	BH
PITG_03501	Pi alcohol dehydrogenase, putative	-31.8161	-36.3999	0.099761	0.918645	BH
PITG_18922	Pi conserved hypothetical protein (	-31.8163	-36.3995	0.099761	0.918645	BH
PITG_22398	Pi conserved hypothetical protein (	-31.7856	-36.4608	0.099761	0.918645	BH
PITG_23322	Pi hypothetical protein (1055 nt)	-31.7864	-36.4592	0.099761	0.918645	BH
PITG_09463	Pi conserved hypothetical protein (	-31.4793	-37.0735	0.099992	0.918645	BH
PITG_10308	Pi conserved hypothetical protein (	-31.6929	-36.6462	0.100149	0.918645	BH
PITG_18342	Pi alcohol dehydrogenase, putative	-31.7387	-36.5548	0.100149	0.918645	BH
PITG_00506	Pi syntaxin 7-like protein (1139 nt)	-31.4905	-37.0512	0.100507	0.918645	BH
PITG_01557	Pi conserved hypothetical protein (	-31.5205	-36.9911	0.100507	0.918645	BH
PITG_01714	Pi conserved hypothetical protein (	-31.5324	-36.9674	0.100507	0.918645	BH
PITG_05583	Pi glutathione S-transferase, putati	-31.4953	-37.0416	0.100507	0.918645	BH
PITG_09434	Pi conserved hypothetical protein (	-31.5209	-36.9903	0.100507	0.918645	BH
PITG_11019	Pi conserved hypothetical protein (	-31.5255	-36.981	0.100507	0.918645	BH
PITG_13428	Pi conserved hypothetical protein (	-31.5142	-37.0037	0.100507	0.918645	BH
PITG_18088	Pi conserved hypothetical protein (	-31.5255	-36.981	0.100507	0.918645	BH
PITG_19111	Pi conserved hypothetical protein (	-31.5205	-36.9911	0.100507	0.918645	BH
PITG_12947	Pi 40S ribosomal protein S23, puta	-8.67003	1.822161	0.100565	0.918645	BH
PITG_02842	Pi CDP-alcohol phosphatidyltransfe	-31.7624	-36.5072	0.100707	0.918645	BH
PITG_11368	Pi conserved hypothetical protein (	-31.8155	-36.4012	0.100707	0.918645	BH
PITG_19979	Pi conserved hypothetical protein (	-31.7767	-36.4786	0.100707	0.918645	BH
PITG_04076	Pi conserved hypothetical protein (	-31.692	-36.6481	0.100789	0.918645	BH
PITG_12148	Pi conserved hypothetical protein (	-31.6845	-36.6632	0.100789	0.918645	BH

PITG_16068	Pi conserved hypothetical protein (	-31.646	-36.7401	0.100789	0.918645	BH
PITG_04483	Pi conserved hypothetical protein (	-31.3973	-37.2374	0.101022	0.918645	BH
PITG_07027	Pi isocitrate lyase (1764 nt)	-31.3973	-37.2374	0.101022	0.918645	BH
PITG_03530	Pi alpha-aminoadipic semialdehyde	-31.7463	-36.5395	0.101149	0.918645	BH
PITG_07917	Pi PLAC8 family protein (722 nt)	-31.7463	-36.5395	0.101149	0.918645	BH
PITG_20747	Pi transcription elongation factor B	-31.4746	-37.0829	0.101217	0.918645	BH
PITG_00724	Pi conserved hypothetical protein (	-31.4128	-37.2064	0.101517	0.918645	BH
PITG_09936	Pi conserved hypothetical protein (	-31.5196	-36.993	0.101577	0.918645	BH
PITG_22303	Pi hypothetical protein (1440 nt)	-31.5027	-37.0267	0.101577	0.918645	BH
PITG_00257	Pi conserved hypothetical protein (	-31.7987	-36.4347	0.101659	0.918645	BH
PITG_07314	Pi conserved hypothetical protein (	-31.7737	-36.4847	0.101659	0.918645	BH
PITG_09549	Pi hypothetical protein (264 nt)	-31.807	-36.418	0.101659	0.918645	BH
PITG_12973	Pi conserved hypothetical protein (	-31.7954	-36.4413	0.101659	0.918645	BH
PITG_13041	Pi RNA polymerase-associated prot	-31.7881	-36.4559	0.101659	0.918645	BH
PITG_21132	Pi conserved hypothetical protein (	-31.7538	-36.5246	0.101659	0.918645	BH
PITG_16156	Pi conserved hypothetical protein (	-31.6481	-36.736	0.101841	0.918645	BH
PITG_06289	Pi conserved hypothetical protein (	-31.7904	-36.4512	0.102618	0.918645	BH
PITG_07975	Pi methylcrotonoyl-CoA carboxylas	-31.8036	-36.4248	0.102618	0.918645	BH
PITG_08196	Pi conserved hypothetical protein (	-31.7963	-36.4396	0.102618	0.918645	BH
PITG_16052	Pi Animal Inward Rectifier K Chanr	-31.7831	-36.4659	0.102618	0.918645	BH
PITG_16063	Pi conserved hypothetical protein (	-31.7746	-36.483	0.102618	0.918645	BH
PITG_17042	Pi protein RER1A (736 nt)	-31.8036	-36.4248	0.102618	0.918645	BH
PITG_17456	Pi conserved hypothetical protein (	-31.4036	-37.225	0.10265	0.918645	BH
PITG_00208	Pi protein kinase, putative (2334 nt)	-31.5333	-36.9655	0.102653	0.918645	BH
PITG_00995	Pi conserved hypothetical protein (	-31.5226	-36.9869	0.102653	0.918645	BH
PITG_08576	Pi conserved hypothetical protein (	-31.5126	-37.007	0.102653	0.918645	BH
PITG_10711	Pi PpiC-type peptidyl-prolyl cis-tran	-31.5021	-37.0279	0.102653	0.918645	BH
PITG_12172	Pi hypothetical protein (402 nt)	-31.5326	-36.9668	0.102653	0.918645	BH
PITG_18797	Pi conserved hypothetical protein (	-31.5326	-36.9668	0.102653	0.918645	BH
PITG_21172	Pi protein phosphatase 1E, putativ	-31.4923	-37.0475	0.102653	0.918645	BH
PITG_11955	Pi conserved hypothetical protein (	-11.8555	-3.73479	0.102874	0.918645	BH
PITG_21926	Pi conserved hypothetical protein (	-31.5771	-36.878	0.102993	0.918645	BH
PITG_00319	Pi conserved hypothetical protein (	-13.252	-2.57872	0.103021	0.918645	BH
PITG_07341	Pi conserved hypothetical protein (	-12.2764	-2.73114	0.103374	0.918645	BH
PITG_04937	Pi conserved hypothetical protein (	-31.4762	-37.0797	0.10343	0.918645	BH
PITG_03715	Pi conserved hypothetical protein (	-31.7823	-36.4676	0.103583	0.918645	BH
PITG_16272	Pi M96 mating-specific protein far	-31.7605	-36.5111	0.103583	0.918645	BH
PITG_17489	Pi conserved hypothetical protein (	-31.8045	-36.4231	0.103583	0.918645	BH
PITG_17719	Pi iron-sulfur cluster assembly prot	-31.775	-36.4821	0.103583	0.918645	BH
PITG_03850	Pi conserved hypothetical protein (	-31.4986	-37.035	0.103736	0.918645	BH
PITG_05727	Pi conserved hypothetical protein (	-31.5169	-36.9983	0.103736	0.918645	BH
PITG_07572	Pi conserved hypothetical protein (	-31.5321	-36.968	0.103736	0.918645	BH
PITG_06094	Pi secreted RxLR effector peptide,	-14.0183	3.950931	0.103991	0.918645	BH
PITG_22433	Pi conserved hypothetical protein (	-31.1928	-37.6464	0.104534	0.918645	BH
PITG_02381	Pi conserved hypothetical protein (	-31.4442	-37.1437	0.104548	0.918645	BH
PITG_05103	Pi conserved hypothetical protein (	-31.4732	-37.0857	0.104548	0.918645	BH
PITG_01981	Pi conserved hypothetical protein (	-31.8128	-36.4065	0.104554	0.918645	BH

PITG_03183	Pi hypothetical protein (700 nt)	-31.8128	-36.4065	0.104554	0.918645	BH
PITG_04875	Pi xaa-Pro aminopeptidase, putativ	-31.8128	-36.4064	0.104554	0.918645	BH
PITG_08375	Pi conserved hypothetical protein (	-31.7814	-36.4693	0.104554	0.918645	BH
PITG_14097	Pi conserved hypothetical protein (	-31.7755	-36.4812	0.104554	0.918645	BH
PITG_14747	Pi conserved hypothetical protein (	-31.7826	-36.4669	0.104554	0.918645	BH
PITG_05449	Pi palmitoyltransferase, putative (1	-31.5263	-36.9796	0.104827	0.918645	BH
PITG_14967	Pi conserved hypothetical protein (	-31.4992	-37.0336	0.104827	0.918645	BH
PITG_15630	Pi conserved hypothetical protein (	-31.5246	-36.983	0.104827	0.918645	BH
PITG_13335	Pi conserved hypothetical protein (	-31.4301	-37.1719	0.104939	0.918645	BH
PITG_15470	Pi conserved hypothetical protein (	-31.6449	-36.7422	0.105046	0.918645	BH
PITG_06365	Pi conserved hypothetical protein (	-31.7272	-36.5777	0.105221	0.918645	BH
PITG_09992	Pi conserved hypothetical protein (	-31.7272	-36.5777	0.105221	0.918645	BH
PITG_01290	Pi peptidyl-prolyl cis-trans isomera	-31.3288	-37.3746	0.105347	0.918645	BH
PITG_02139	Pi conserved hypothetical protein (	-31.8054	-36.4213	0.105532	0.918645	BH
PITG_09628	Pi conserved hypothetical protein (	-31.7835	-36.4652	0.105532	0.918645	BH
PITG_13861	Pi conserved hypothetical protein (	-31.798	-36.4361	0.105532	0.918645	BH
PITG_18440	Pi conserved hypothetical protein (	-31.7907	-36.4507	0.105532	0.918645	BH
PITG_18455	Pi conserved hypothetical protein (	-31.8054	-36.4213	0.105532	0.918645	BH
PITG_06383	Pi conserved hypothetical protein (	-31.3734	-37.2853	0.105695	0.918645	BH
PITG_09016	Pi NADH ubiquinone oxidoreductas	-31.3819	-37.2684	0.105695	0.918645	BH
PITG_13912	Pi conserved hypothetical protein (	-31.5153	-37.0015	0.105924	0.918645	BH
PITG_14691	Pi hypothetical protein (2751 nt)	-31.287	-37.4581	0.106074	0.918645	BH
PITG_07985	Pi myosin-like protein (4915 nt)	-31.7141	-36.6038	0.106258	0.918645	BH
PITG_12513	Pi conserved hypothetical protein (	-31.6232	-36.7857	0.10636	0.918645	BH
PITG_12852	Pi conserved hypothetical protein (	-31.796	-36.4401	0.106516	0.918645	BH
PITG_15311	Pi hypothetical protein (2765 nt)	-31.7693	-36.4936	0.106516	0.918645	BH
PITG_02748	Pi conserved hypothetical protein (	-31.4308	-37.1705	0.107261	0.918645	BH
PITG_01607	Pi actin-like protein (1324 nt)	-31.7877	-36.4566	0.107506	0.918645	BH
PITG_10695	Pi conserved hypothetical protein (	-31.7772	-36.4777	0.107506	0.918645	BH
PITG_16648	Pi conserved hypothetical protein (	-31.799	-36.4342	0.107506	0.918645	BH
PITG_19865	Pi carboxyvinyl-carboxyphosphona	-31.811	-36.4101	0.107506	0.918645	BH
PITG_20679	Pi conserved hypothetical protein (	-31.2753	-37.4816	0.107778	0.918645	BH
PITG_08467	Pi diacylglycerol O-acyltransferase,	-31.4456	-37.1409	0.107947	0.918645	BH
PITG_19772	Pi hypothetical protein (614 nt)	-11.252	-2.41638	0.108091	0.918645	BH
PITG_17455	Pi vacuolar protein sorting-associat	-31.5317	-36.9687	0.10814	0.918645	BH
PITG_11116	Pi NAD-specific glutamate dehydro	-31.7484	-36.5353	0.108352	0.918645	BH
PITG_07939	Pi conserved hypothetical protein (	-31.405	-37.2221	0.108434	0.918645	BH
PITG_03443	Pi lipin-like protein (1587 nt)	-31.7572	-36.5176	0.108504	0.918645	BH
PITG_03544	Pi conserved hypothetical protein (	-31.8186	-36.395	0.108504	0.918645	BH
PITG_09895	Pi conserved hypothetical protein (	-31.7572	-36.5176	0.108504	0.918645	BH
PITG_19234	Pi choline/Carnitine O-acyltransfer	-31.8072	-36.4176	0.108504	0.918645	BH
PITG_06184	Pi conserved hypothetical protein (	-31.296	-37.4401	0.108574	0.918645	BH
PITG_19129	Pi ATP-dependent RNA helicase eIF	-11.3881	1.976597	0.108828	0.918645	BH
PITG_08689	Pi hypothetical protein (982 nt)	-31.4784	-37.0754	0.109095	0.918645	BH
PITG_09624	Pi conserved hypothetical protein (	-31.4973	-37.0376	0.109258	0.918645	BH
PITG_13839	Pi conserved hypothetical protein (	-31.4924	-37.0473	0.109258	0.918645	BH
PITG_13778	Pi cell cycle-related kinase, putativ	-13.2745	-2.53237	0.10928	0.918645	BH

PITG_03374	Pi conserved hypothetical protein (	-31.7145	-36.6031	0.109411	0.918645	BH
PITG_17498	Pi conserved hypothetical protein (	-31.7283	-36.5755	0.109411	0.918645	BH
PITG_10937	Pi UDP-glucuronic acid decarboxyla	-31.7926	-36.447	0.109507	0.918645	BH
PITG_11119	Pi conserved hypothetical protein (	-31.7868	-36.4585	0.109507	0.918645	BH
PITG_19237	Pi conserved hypothetical protein (	-31.7782	-36.4758	0.109507	0.918645	BH
PITG_03684	Pi conserved hypothetical protein (	-13.2432	-2.60228	0.109613	0.918645	BH
PITG_05672	Pi conserved hypothetical protein (	-31.4339	-37.1643	0.109616	0.918645	BH
PITG_13122	Pi ATP-binding Cassette (ABC) Sup	-31.5275	-36.9771	0.109916	0.918645	BH
PITG_07380	Pi glutamate synthase, putative (1	-31.5177	-36.9967	0.110384	0.918645	BH
PITG_19767	Pi ATP-dependent Clp protease pro	-13.2301	-2.63581	0.110419	0.918645	BH
PITG_00844	Pi copine-like protein, putative (11	-31.6896	-36.6529	0.110477	0.918645	BH
PITG_06970	Pi conserved hypothetical protein (	-31.6896	-36.6529	0.110477	0.918645	BH
PITG_03224	Pi conserved hypothetical protein (	-31.7563	-36.5195	0.110517	0.918645	BH
PITG_07049	Pi conserved hypothetical protein (	-31.5605	36.91118	0.111503	0.918645	BH
PITG_14720	Pi aldose 1-epimerase, putative (9	-31.5605	36.91118	0.111503	0.918645	BH
PITG_04501	Pi hypothetical protein (338 nt)	-31.3211	-37.3899	0.111509	0.918645	BH
PITG_12989	Pi glutathione S-transferase theta,	-31.491	-37.05	0.111516	0.918645	BH
PITG_05686	Pi conserved hypothetical protein (	-31.8082	-36.4156	0.111534	0.918645	BH
PITG_14991	Pi peroxisomal targeting signal 2 re	-31.8091	-36.414	0.111534	0.918645	BH
PITG_15830	Pi conserved hypothetical protein (	-31.8082	-36.4156	0.111534	0.918645	BH
PITG_12808	Pi Amino Acid/Auxin Permease (AA	-12.6322	3.130073	0.111663	0.918645	BH
PITG_17778	Pi calcium/calmodulin-dependent	-31.4015	-37.229	0.112003	0.918645	BH
PITG_20675	Pi conserved hypothetical protein (	-31.7931	-36.4458	0.112558	0.918645	BH
PITG_00688	Pi cytochrome oxidase assembly pi	-31.4656	-37.101	0.112587	0.918645	BH
PITG_02336	Pi conserved hypothetical protein (	-31.4458	-37.1404	0.112587	0.918645	BH
PITG_22343	Pi conserved hypothetical protein (	-14.4399	3.420309	0.112631	0.918645	BH
PITG_08913	Pi conserved hypothetical protein (	-31.5188	-36.9945	0.112656	0.918645	BH
PITG_10028	Pi serine palmitoyltransferase, put	-13.2615	-2.56206	0.113312	0.918645	BH
PITG_02418	Pi conserved hypothetical protein (	-31.8092	-36.4137	0.113588	0.918645	BH
PITG_03473	Pi callose synthase, putative (6163	-31.8018	-36.4285	0.113588	0.918645	BH
PITG_08135	Pi D-aspartate oxidase, putative (1	-31.8092	-36.4137	0.113588	0.918645	BH
PITG_07342	Pi conserved hypothetical protein (	-31.3589	-37.3143	0.114209	0.918645	BH
PITG_21224	Pi conserved hypothetical protein (	-31.428	-37.1762	0.114425	0.918645	BH
PITG_14297	Pi hypothetical protein (337 nt)	-31.622	-36.7881	0.114535	0.918645	BH
PITG_07808	Pi fidgetin-like protein (3137 nt)	-31.7945	-36.4431	0.114625	0.918645	BH
PITG_10980	Pi phosphatidylinositol-4-phosphat	-31.7945	-36.4431	0.114625	0.918645	BH
PITG_13483	Pi conserved hypothetical protein (	-31.7873	-36.4576	0.114625	0.918645	BH
PITG_15603	Pi conserved hypothetical protein (	-31.7922	-36.4478	0.114625	0.918645	BH
PITG_13497	Pi elicitor-like transglutaminase, pu	-31.697	-36.6381	0.114815	0.918645	BH
PITG_02927	Pi hypothetical protein (700 nt)	-31.4752	-37.0817	0.114953	0.918645	BH
PITG_00978	Pi conserved hypothetical protein (	-31.5049	-37.0223	0.114958	0.918645	BH
PITG_03166	Pi vesicle-associated membrane pr	-31.4896	-37.0529	0.114958	0.918645	BH
PITG_08044	Pi conserved hypothetical protein (	-11.9358	-2.33133	0.115002	0.918645	BH
PITG_00058	Pi protease inhibitor EpiC4 (519 nt)	-11.6492	-2.13673	0.115572	0.918645	BH
PITG_20354	Pi hypothetical protein (649 nt)	-31.4065	-37.2191	0.115648	0.918645	BH
PITG_07384	Pi isoamyl acetate-hydrolyzing este	-31.7995	-36.433	0.115668	0.918645	BH
PITG_20562	Pi RAC family serine/threonine-pro	-31.759	-36.514	0.115668	0.918645	BH

PITG_13111	Pi conserved hypothetical protein (	-14.3494	3.231936	0.115919	0.918645	BH
PITG_01325	Pi myosin-like protein (1102 nt)	-31.565	-36.902	0.116061	0.918645	BH
PITG_12254	Pi conserved hypothetical protein (	-31.5625	-36.9072	0.116061	0.918645	BH
PITG_12648	Pi conserved hypothetical protein (	-31.5413	-36.9495	0.116061	0.918645	BH
PITG_12811	Pi conserved hypothetical protein (	-31.5433	-36.9455	0.116061	0.918645	BH
PITG_18046	Pi conserved hypothetical protein (	-31.5618	-36.9086	0.116061	0.918645	BH
PITG_21596	Pi actin-related protein 2/3 comple	-31.542	-36.9482	0.116061	0.918645	BH
PITG_22939	Pi Crinkler (CRN) family protein, ps	-31.5436	-36.945	0.116078	0.918645	BH
PITG_11900	Pi protein kinase, putative (1337 nt)	-31.4844	-37.0634	0.116148	0.918645	BH
PITG_13677	Pi phosphatidylinositol-4-phosphat	-31.4568	-37.1184	0.116148	0.918645	BH
PITG_22522	Pi conserved hypothetical protein (	-13.2362	-2.62251	0.116408	0.918645	BH
PITG_05451	Pi hypothetical protein (1565 nt)	-31.1682	-37.6958	0.116809	0.918645	BH
PITG_02285	Pi conserved hypothetical protein (	-31.5737	-36.8847	0.117194	0.918645	BH
PITG_06483	Pi conserved hypothetical protein (	-31.58	-36.8722	0.117194	0.918645	BH
PITG_06719	Pi glycerol-3-phosphate dehydroge	-31.5533	-36.9256	0.117194	0.918645	BH
PITG_06805	Pi carbohydrate-binding protein, pi	-31.5676	-36.8969	0.117194	0.918645	BH
PITG_08489	Pi conserved hypothetical protein (	-31.5631	-36.9058	0.117194	0.918645	BH
PITG_11029	Pi conserved hypothetical protein (	-31.5631	-36.9058	0.117194	0.918645	BH
PITG_14722	Pi 12-oxophytodienoate reductase	-31.5683	-36.8955	0.117194	0.918645	BH
PITG_00857	Pi conserved hypothetical protein (	-31.4937	-37.0447	0.117288	0.918645	BH
PITG_05250	Pi tRNA (adenine-N(1)-)-methyltra	-31.5198	-36.9926	0.117288	0.918645	BH
PITG_04874	Pi carbohydrate esterase, putative	-31.7911	-36.4499	0.117776	0.918645	BH
PITG_06146	Pi conserved hypothetical protein (	-31.7911	-36.4499	0.117776	0.918645	BH
PITG_01072	Pi 5-methyltetrahydropteroyltrigu	-11.0058	2.971691	0.117869	0.918645	BH
PITG_07423	Pi conserved hypothetical protein (	-31.7372	-36.5578	0.118149	0.918645	BH
PITG_01145	Pi hypothetical protein (807 nt)	-31.5392	-36.9536	0.118334	0.918645	BH
PITG_06691	Pi cell division control protein 42 (	-31.5814	-36.8694	0.118334	0.918645	BH
PITG_12593	Pi conserved hypothetical protein (	-31.5556	-36.9209	0.118334	0.918645	BH
PITG_12839	Pi conserved hypothetical protein (	-31.5832	-36.8657	0.118334	0.918645	BH
PITG_07107	Pi conserved hypothetical protein (	-12.4764	-2.29957	0.118382	0.918645	BH
PITG_00333	Pi dihydroflavonol-4-reductase, pu	-31.4863	-37.0594	0.118464	0.918645	BH
PITG_19060	Pi conserved hypothetical protein (	-31.526	-36.98	0.118464	0.918645	BH
PITG_10674	Pi CorA Metal Ion Transporter (MI	-31.6817	-36.6687	0.118608	0.918645	BH
PITG_00787	Pi CRM1 C terminal Exportin 1-like	-31.8221	-36.388	0.118707	0.918645	BH
PITG_01897	Pi histone deacetylase, putative (1	-31.8438	-36.3446	0.118707	0.918645	BH
PITG_02598	Pi conserved hypothetical protein (	-31.8454	-36.3413	0.118707	0.918645	BH
PITG_03593	Pi alanine aminotransferase 2 (173	-31.8221	-36.388	0.118707	0.918645	BH
PITG_06570	Pi long-chain-fatty-acid-CoA ligase,	-31.8359	-36.3603	0.118707	0.918645	BH
PITG_07530	Pi conserved hypothetical protein (	-31.8375	-36.357	0.118707	0.918645	BH
PITG_08709	Pi conserved hypothetical protein (	-31.8221	-36.388	0.118707	0.918645	BH
PITG_08876	Pi conserved hypothetical protein (	-31.8367	-36.3587	0.118707	0.918645	BH
PITG_09783	Pi conserved hypothetical protein (	-31.8695	-36.293	0.118707	0.918645	BH
PITG_10383	Pi conserved hypothetical protein (	-31.8534	-36.3254	0.118707	0.918645	BH
PITG_11226	Pi conserved hypothetical protein (	-31.8375	-36.357	0.118707	0.918645	BH
PITG_12155	Pi flagellar peptidyl-prolyl cis-trans	-31.8778	-36.2765	0.118707	0.918645	BH
PITG_12453	Pi conserved hypothetical protein (	-31.8375	-36.357	0.118707	0.918645	BH
PITG_12984	Pi conserved hypothetical protein (	-31.8517	-36.3287	0.118707	0.918645	BH



PITG_14637	Pi conserved hypothetical protein (	-31.8196	-36.3929	0.118707	0.918645	BH
PITG_15518	Pi conserved hypothetical protein (	-31.8438	-36.3446	0.118707	0.918645	BH
PITG_15784	Pi polyadenylate-binding protein 2	-31.8606	-36.3109	0.118707	0.918645	BH
PITG_16887	Pi conserved hypothetical protein (	-31.8446	-36.3429	0.118707	0.918645	BH
PITG_18463	Pi hypothetical protein (1921 nt)	-31.8204	-36.3912	0.118707	0.918645	BH
PITG_18633	Pi tRNA pseudouridine synthase B,	-31.8861	-36.2599	0.118707	0.918645	BH
PITG_19537	Pi calnexin, putative (1746 nt)	-31.877	-36.2782	0.118707	0.918645	BH
PITG_20792	Pi soluble calcium-activated nuclec	-31.8598	-36.3126	0.118707	0.918645	BH
PITG_09997	Pi phosphatidate cytidyltransfera	-31.76	-36.512	0.118839	0.918645	BH
PITG_12015	Pi hypothetical protein (3961 nt)	-31.76	-36.512	0.118839	0.918645	BH
PITG_13491	Pi calcineurin-like phosphoesterase	-31.7531	-36.5258	0.118839	0.918645	BH
PITG_00855	Pi conserved hypothetical protein (	-31.543	-36.946	0.11948	0.918645	BH
PITG_17884	Pi conserved hypothetical protein (	-31.534	-36.9641	0.11948	0.918645	BH
PITG_01138	Pi beta-galactosidase, putative (24	-31.8704	-36.2913	0.11971	0.918645	BH
PITG_01595	Pi hypothetical protein (328 nt)	-31.8878	-36.2565	0.11971	0.918645	BH
PITG_02075	Pi 1-acyl-sn-glycerol-3-phosphate a	-31.8384	-36.3554	0.11971	0.918645	BH
PITG_02820	Pi phosphatidylinositol-3,4,5-trisph	-31.8257	-36.3808	0.11971	0.918645	BH
PITG_03238	Pi conserved hypothetical protein (	-31.855	-36.3221	0.11971	0.918645	BH
PITG_04539	Pi conserved hypothetical protein (	-31.8679	-36.2963	0.11971	0.918645	BH
PITG_06767	Pi transmembrane protein Gpr7-like	-31.8314	-36.3693	0.11971	0.918645	BH
PITG_06845	Pi riboflavin kinase (601 nt)	-31.8589	-36.3143	0.11971	0.918645	BH
PITG_07305	Pi conserved hypothetical protein (	-31.8384	-36.3554	0.11971	0.918645	BH
PITG_07905	Pi xylose isomerase 1 (1410 nt)	-31.8761	-36.2799	0.11971	0.918645	BH
PITG_07955	Pi xaa-Pro dipeptidase, metallopro	-31.8462	-36.3396	0.11971	0.918645	BH
PITG_07973	Pi Voltage-gated Ion Channel (VIC)	-31.8704	-36.2913	0.11971	0.918645	BH
PITG_08330	Pi conserved hypothetical protein (	-31.8671	-36.298	0.11971	0.918645	BH
PITG_08585	Pi conserved hypothetical protein (	-31.855	-36.3221	0.11971	0.918645	BH
PITG_09449	Pi SCO1 family protein (916 nt)	-31.85	-36.332	0.11971	0.918645	BH
PITG_09604	Pi conserved hypothetical protein (	-31.8471	-36.338	0.11971	0.918645	BH
PITG_10268	Pi hypothetical protein (2199 nt)	-31.8631	-36.306	0.11971	0.918645	BH
PITG_11125	Pi conserved hypothetical protein (	-31.8413	-36.3496	0.11971	0.918645	BH
PITG_12173	Pi conserved hypothetical protein (	-31.8704	-36.2913	0.11971	0.918645	BH
PITG_12289	Pi H - or Na -translocating F-type, v	-31.8392	-36.3537	0.11971	0.918645	BH
PITG_13717	Pi transmembrane protein, putativ	-31.8886	-36.2548	0.11971	0.918645	BH
PITG_14380	Pi Ion protease, putative (2559 nt)	-31.8836	-36.2649	0.11971	0.918645	BH
PITG_14623	Pi mediator of RNA polymerase II t	-31.8509	-36.3304	0.11971	0.918645	BH
PITG_14888	Pi conserved hypothetical protein (	-31.8795	-36.2732	0.11971	0.918645	BH
PITG_15640	Pi peroxisomal 2,4-dienoyl-CoA rec	-31.8878	-36.2565	0.11971	0.918645	BH
PITG_16329	Pi conserved hypothetical protein (	-31.8704	-36.2913	0.11971	0.918645	BH
PITG_16798	Pi phospholipase D; Pi-TM-PLD (27	-31.8462	-36.3396	0.11971	0.918645	BH
PITG_16854	Pi conserved hypothetical protein (	-31.8471	-36.338	0.11971	0.918645	BH
PITG_19146	Pi conserved hypothetical protein (	-31.8462	-36.3396	0.11971	0.918645	BH
PITG_21879	Pi transmembrane protein Gpr7 (171	-31.8878	-36.2565	0.11971	0.918645	BH
PITG_22764	Pi cysteine synthase, putative (162	-31.8384	-36.3554	0.11971	0.918645	BH
PITG_01496	Pi glycoside hydrolase, putative (25	-31.7966	-36.439	0.11991	0.918645	BH
PITG_02281	Pi conserved hypothetical protein (	-31.8113	-36.4095	0.11991	0.918645	BH
PITG_04048	Pi conserved hypothetical protein (	-31.6981	-36.6359	0.12041	0.918645	BH

PITG_01449	Pi conserved hypothetical protein (	-31.5561	-36.92	0.120633	0.918645	BH
PITG_00986	Pi peroxiredoxin-4 (979 nt)	-31.8744	-36.2833	0.120718	0.918645	BH
PITG_01577	Pi conserved hypothetical protein (	-31.8169	-36.3983	0.120718	0.918645	BH
PITG_02237	Pi conserved hypothetical protein (	-31.8492	-36.3337	0.120718	0.918645	BH
PITG_05139	Pi hypothetical protein (470 nt)	-31.824	-36.3841	0.120718	0.918645	BH
PITG_07848	Pi conserved hypothetical protein (	-31.8828	-36.2666	0.120718	0.918645	BH
PITG_08120	Pi conserved hypothetical protein (	-31.8479	-36.3363	0.120718	0.918645	BH
PITG_08142	Pi 5-methylthioadenosine/S-adeno	-31.8729	-36.2863	0.120718	0.918645	BH
PITG_11817	Pi hypothetical protein (1959 nt)	-31.824	-36.3841	0.120718	0.918645	BH
PITG_13588	Pi conserved hypothetical protein (	-31.8811	-36.2698	0.120718	0.918645	BH
PITG_14549	Pi phosphatidic acid phosphatase (	-31.8248	-36.3825	0.120718	0.918645	BH
PITG_16666	Pi conserved hypothetical protein (	-31.8169	-36.3983	0.120718	0.918645	BH
PITG_17816	Pi Crinkler (CRN) family protein, ps	-31.8484	-36.3354	0.120718	0.918645	BH
PITG_18452	Pi thioredoxin reductase 1 (3219 n	-31.8648	-36.3026	0.120718	0.918645	BH
PITG_18707	Pi glycerol-3-phosphate O-acyltran	-31.8245	-36.383	0.120718	0.918645	BH
PITG_19177	Pi conserved hypothetical protein (	-31.8492	-36.3337	0.120718	0.918645	BH
PITG_02493	Pi eukaryotic translation initiation	-11.3273	-2.25311	0.120784	0.918645	BH
PITG_04471	Pi Argonaute2 (AGO2) (2784 nt)	-31.7822	-36.4678	0.120988	0.918645	BH
PITG_14580	Pi conserved hypothetical protein (	-31.7893	-36.4534	0.120988	0.918645	BH
PITG_13729	Pi conserved hypothetical protein (	-12.4719	-2.27832	0.121168	0.918645	BH
PITG_02626	Pi conserved hypothetical protein (	-31.8656	-36.3009	0.121733	0.918645	BH
PITG_04846	Pi conserved hypothetical protein (	-31.8488	-36.3346	0.121733	0.918645	BH
PITG_04910	Pi serine/threonine protein kinase	-31.8488	-36.3346	0.121733	0.918645	BH
PITG_05990	Pi myb-like DNA-binding protein, p	-31.882	-36.2681	0.121733	0.918645	BH
PITG_07531	Pi conserved hypothetical protein (	-31.8409	-36.3504	0.121733	0.918645	BH
PITG_10940	Pi aldehyde dehydrogenase, mitoc	-31.8409	-36.3504	0.121733	0.918645	BH
PITG_13842	Pi conserved hypothetical protein (	-31.8231	-36.3858	0.121733	0.918645	BH
PITG_14269	Pi transmembrane protein, putativ	-31.8475	-36.3371	0.121733	0.918645	BH
PITG_15661	Pi GMP reductase 2 (2054 nt)	-31.8819	-36.2683	0.121733	0.918645	BH
PITG_15920	Pi conserved hypothetical protein (	-31.8564	-36.3194	0.121733	0.918645	BH
PITG_17164	Pi conserved hypothetical protein (	-31.8488	-36.3346	0.121733	0.918645	BH
PITG_17710	Pi charged multivesicular body pro	-31.8331	-36.3659	0.121733	0.918645	BH
PITG_19204	Pi conserved hypothetical protein (	-31.8645	-36.3031	0.121733	0.918645	BH
PITG_20296	Pi ATP-dependent Clp protease ATI	-31.8331	-36.3659	0.121733	0.918645	BH
PITG_03148	Pi Rab7 family GTPase, putative (98	-13.2927	-2.49957	0.121733	0.918645	BH
PITG_03243	Pi conserved hypothetical protein (	-31.5405	-36.9511	0.121792	0.918645	BH
PITG_03670	Pi conserved hypothetical protein (	-31.5727	-36.8867	0.121792	0.918645	BH
PITG_17559	Pi myb-like DNA-binding protein, p	-31.5727	-36.8867	0.121792	0.918645	BH
PITG_19488	Pi protein-S-isoprenylcysteine O-m	-31.5581	-36.916	0.121792	0.918645	BH
PITG_00925	Pi conserved hypothetical protein (	-31.5119	-37.0082	0.122035	0.918645	BH
PITG_02401	Pi phosphatidylinositol-3,4,5-trisph	-31.5071	-37.018	0.122035	0.918645	BH
PITG_16439	Pi conserved hypothetical protein (	-31.5169	-36.9983	0.122035	0.918645	BH
PITG_18376	Pi conserved hypothetical protein (	-31.497	-37.038	0.122035	0.918645	BH
PITG_14751	Pi conserved hypothetical protein (	-31.768	-36.496	0.122072	0.918645	BH
PITG_16376	Pi conserved hypothetical protein (	-31.768	-36.496	0.122072	0.918645	BH
PITG_01398	Pi beta-glucosidase, putative (1749	-31.4629	-37.1062	0.12224	0.918645	BH
PITG_14486	Pi MtN3-like protein (1577 nt)	-31.4493	-37.1335	0.12224	0.918645	BH

PITG_20362	Pi conserved hypothetical protein (	-31.1817	-37.6687	0.122357	0.918645	BH
PITG_00138	Pi conserved hypothetical protein (	-31.8576	-36.3169	0.122754	0.918645	BH
PITG_02642	Pi pyruvate dehydrogenase [lipoan	-31.8223	-36.3876	0.122754	0.918645	BH
PITG_14724	Pi hypothetical protein (279 nt)	-31.8718	-36.2885	0.122754	0.918645	BH
PITG_15671	Pi conserved hypothetical protein (	-31.8387	-36.3547	0.122754	0.918645	BH
PITG_19313	Pi conserved hypothetical protein (	-31.8894	-36.2533	0.122754	0.918645	BH
PITG_19950	Pi conserved hypothetical protein (	-31.8186	-36.3949	0.122754	0.918645	BH
PITG_02533	Pi conserved hypothetical protein (	-31.5361	-36.9599	0.122958	0.918645	BH
PITG_16348	Pi crinkler (CRN) family protein, ps	-31.5628	-36.9066	0.122958	0.918645	BH
PITG_17230	Pi conserved hypothetical protein (	-31.5681	-36.8959	0.122958	0.918645	BH
PITG_14497	Pi isoprenylcysteine carboxyl meth	-31.5125	-37.0071	0.12324	0.918645	BH
PITG_16925	Pi hypothetical protein (582 nt)	-10.6698	-2.39815	0.123618	0.918645	BH
PITG_05012	Pi conserved hypothetical protein (	-31.8505	-36.3311	0.12378	0.918645	BH
PITG_09230	Pi conserved hypothetical protein (	-31.8505	-36.3311	0.12378	0.918645	BH
PITG_09437	Pi conserved hypothetical protein (	-31.8271	-36.3779	0.12378	0.918645	BH
PITG_11299	Pi conserved hypothetical protein (	-31.8665	-36.2991	0.12378	0.918645	BH
PITG_16446	Pi ribosomal protein S6 kinase, put	-31.8585	-36.3152	0.12378	0.918645	BH
PITG_07573	Pi conserved hypothetical protein (	-14.5228	3.56135	0.123861	0.918645	BH
PITG_10806	Pi conserved hypothetical protein (	-31.5471	-36.9379	0.124131	0.918645	BH
PITG_18385	Pi conserved hypothetical protein (	-31.5566	-36.9189	0.124131	0.918645	BH
PITG_10303	Pi conserved hypothetical protein (	-31.805	-36.4221	0.124262	0.918645	BH
PITG_11773	Pi protein phosphatase 2C, putativ	-31.805	-36.4221	0.124262	0.918645	BH
PITG_06241	Pi conserved hypothetical protein (	-13.2581	-2.57863	0.124409	0.918645	BH
PITG_13815	Pi conserved hypothetical protein (	-31.5174	-36.9972	0.124453	0.918645	BH
PITG_14127	Pi conserved hypothetical protein (	-31.5177	-36.9968	0.124453	0.918645	BH
PITG_21313	Pi glucokinase, putative (933 nt)	-11.8833	-2.47333	0.124739	0.918645	BH
PITG_01428	Pi conserved hypothetical protein (	-31.8838	-36.2645	0.124813	0.918645	BH
PITG_05100	Pi conserved hypothetical protein (	-31.8457	-36.3407	0.124813	0.918645	BH
PITG_06637	Pi Drug/Metabolite Transporter (D	-31.8593	-36.3134	0.124813	0.918645	BH
PITG_09996	Pi conserved hypothetical protein (	-31.8514	-36.3294	0.124813	0.918645	BH
PITG_12517	Pi CAAX prenyl protease 1 (1458 nt	-31.8709	-36.2903	0.124813	0.918645	BH
PITG_20311	Pi conserved hypothetical protein (	-31.8792	-36.2737	0.124813	0.918645	BH
PITG_20767	Pi protein kinase, putative (1986 nt	-31.8514	-36.3294	0.124813	0.918645	BH
PITG_04321	Pi conserved hypothetical protein (	-31.7185	-36.595	0.125028	0.918645	BH
PITG_06476	Pi carbohydrate-binding protein, pi	-31.7317	-36.5687	0.125028	0.918645	BH
PITG_20805	Pi hypothetical protein (273 nt)	-31.7317	-36.5687	0.125028	0.918645	BH
PITG_00681	Pi Rab1 family GTPase, putative (1:	-31.5695	-36.893	0.125311	0.918645	BH
PITG_08403	Pi conserved hypothetical protein (	-31.5749	-36.8823	0.125311	0.918645	BH
PITG_14619	Pi conserved hypothetical protein (	-31.5447	-36.9428	0.125311	0.918645	BH
PITG_20355	Pi conserved hypothetical protein (	-31.553	-36.9261	0.125311	0.918645	BH
PITG_04934	Pi enoyl-CoA hydratase/isomerase	-31.7621	-36.5079	0.125368	0.918645	BH
PITG_11139	Pi P-type ATPase (P-ATPase) Super	-31.7691	-36.4939	0.125368	0.918645	BH
PITG_02206	Pi conserved hypothetical protein (	-31.828	-36.3761	0.125852	0.918645	BH
PITG_05286	Pi conserved hypothetical protein (	-31.8618	-36.3085	0.125852	0.918645	BH
PITG_09537	Pi conserved hypothetical protein (	-31.8357	-36.3606	0.125852	0.918645	BH
PITG_00431	Pi calcineurin-like phosphoesterase	-13.2859	-2.51698	0.12596	0.918645	BH
PITG_08085	Pi conserved hypothetical protein (	-31.6929	-36.6462	0.126202	0.918645	BH

PITG_11259	Pi conserved hypothetical protein (	-31.5388	-36.9546	0.126497	0.918645	BH
PITG_15731	Pi ATP-binding Cassette (ABC) Sup	-31.5331	-36.9658	0.126497	0.918645	BH
PITG_01090	Pi 2Fe-2S ferredoxin, putative (120	-31.836	-36.3601	0.126897	0.918645	BH
PITG_02712	Pi conserved hypothetical protein (	-31.8523	-36.3275	0.126897	0.918645	BH
PITG_11183	Pi conserved hypothetical protein (	-31.8683	-36.2954	0.126897	0.918645	BH
PITG_14548	Pi conserved hypothetical protein (	-31.8609	-36.3104	0.126897	0.918645	BH
PITG_19150	Pi hypothetical protein (1125 nt)	-31.8528	-36.3266	0.126897	0.918645	BH
PITG_20274	Pi conserved hypothetical protein (	-31.8366	-36.3589	0.126897	0.918645	BH
PITG_00198	Pi conserved hypothetical protein (	-31.5234	-36.9853	0.1269	0.918645	BH
PITG_21640	Pi conserved hypothetical protein (	-31.5167	-36.9988	0.1269	0.918645	BH
PITG_10969	Pi pre-mRNA-processing-splicing fa	-13.4447	3.626173	0.127556	0.918645	BH
PITG_01697	Pi importin alpha-2 subunit (2191 r	-31.8037	-36.4248	0.1276	0.918645	BH
PITG_13558	Pi ATP-binding Cassette (ABC) Sup	-31.8135	-36.405	0.1276	0.918645	BH
PITG_05496	Pi augments liver regeneration	-31.5604	-36.9113	0.12769	0.918645	BH
PITG_12296	Pi conserved hypothetical protein (	-31.5491	-36.9338	0.12769	0.918645	BH
PITG_13762	Pi flavodoxin-like protein (800 nt)	-13.2275	3.032535	0.127887	0.918645	BH
PITG_02793	Pi conserved hypothetical protein (	-31.8273	-36.3776	0.127948	0.918645	BH
PITG_03422	Pi conserved hypothetical protein (	-31.869	-36.2941	0.127948	0.918645	BH
PITG_06013	Pi conserved hypothetical protein (	-31.8774	-36.2773	0.127948	0.918645	BH
PITG_06996	Pi conserved hypothetical protein (	-31.8273	-36.3776	0.127948	0.918645	BH
PITG_20796	Pi conserved hypothetical protein (	-31.5004	-37.0314	0.128135	0.918645	BH
PITG_15863	Pi conserved hypothetical protein (	-12.4753	-2.28087	0.128703	0.918645	BH
PITG_12256	Pi anoctamin-like protein (2882 nt)	-31.8062	-36.4198	0.128727	0.918645	BH
PITG_08199	Pi HSF-type DNA-binding, putative	-31.5441	-36.9439	0.12889	0.918645	BH
PITG_13554	Pi ATP-binding Cassette (ABC) Sup	-31.5764	-36.8793	0.12889	0.918645	BH
PITG_13529	Pi secreted RxLR effector peptide,	-31.8773	-36.2776	0.129005	0.918645	BH
PITG_06227	Pi carbohydrate-binding protein, pi	-31.5242	-36.9837	0.129377	0.918645	BH
PITG_08548	Pi conserved hypothetical protein (	-31.5052	-37.0217	0.129377	0.918645	BH
PITG_09528	Pi conserved hypothetical protein (	-31.5292	-36.9737	0.129377	0.918645	BH
PITG_01938	Pi glyceraldehyde-3-phosphate def	-10.7629	2.862169	0.129471	0.918645	BH
PITG_05292	Pi hypothetical protein (861 nt)	-13.308	-2.46775	0.129551	0.918645	BH
PITG_20977	Pi conserved hypothetical protein (	-31.6586	-36.7148	0.129595	0.918645	BH
PITG_20192	Pi ORM1-like protein (783 nt)	-12.5141	-2.22612	0.130051	0.918645	BH
PITG_04590	Pi conserved hypothetical protein (	-31.8299	-36.3723	0.130068	0.918645	BH
PITG_14416	Pi conserved hypothetical protein (	-31.8702	-36.2917	0.130068	0.918645	BH
PITG_15881	Pi peptide methionine sulfoxide re	-31.8702	-36.2917	0.130068	0.918645	BH
PITG_17335	Pi charged multivesicular body pro	-31.8223	-36.3876	0.130068	0.918645	BH
PITG_11466	Pi tubby-like protein (1823 nt)	-31.5704	-36.8914	0.130096	0.918645	BH
PITG_18298	Pi coproporphyrinogen III oxidase (	-31.565	-36.9022	0.130096	0.918645	BH
PITG_19415	Pi hypothetical protein (525 nt)	-12.4706	-2.33279	0.130136	0.918645	BH
PITG_11215	Pi DnaJ subfamily C protein (1936 r	-12.5436	-2.15378	0.130607	0.918645	BH
PITG_06889	Pi peptidase, putative (2249 nt)	-31.4997	-37.0328	0.130626	0.918645	BH
PITG_09849	Pi conserved hypothetical protein (	-31.4947	-37.0427	0.130626	0.918645	BH
PITG_13282	Pi ATP-binding Cassette (ABC) Sup	-31.6409	-36.7503	0.130861	0.918645	BH
PITG_19590	Pi conserved hypothetical protein (	-13.3238	-2.43737	0.130987	0.918645	BH
PITG_09910	Pi arabinogalactan endo-1,4-beta-g	-31.7564	-36.5194	0.131001	0.918645	BH
PITG_19544	Pi carbohydrate-binding protein, pi	-31.7794	-36.4732	0.131001	0.918645	BH

PITG_01499	Pi charged multivesicular body pro	-31.5665	-36.8991	0.13131	0.918645	BH
PITG_03562	Pi conserved hypothetical protein (	-31.5151	-37.002	0.131883	0.918645	BH
PITG_01785	Pi conserved hypothetical protein (	-31.8419	-36.3483	0.132213	0.918645	BH
PITG_04842	Pi conserved hypothetical protein (	-31.8876	-36.2568	0.132213	0.918645	BH
PITG_18164	Pi conserved hypothetical protein (	-31.8386	-36.355	0.132213	0.918645	BH
PITG_18728	Pi conserved hypothetical protein (	-31.867	-36.2981	0.132213	0.918645	BH
PITG_15162	Pi secreted RxLR effector peptide,	-31.4154	-37.2014	0.132326	0.918645	BH
PITG_20830	Pi conserved hypothetical protein (	-31.5354	-36.9614	0.13253	0.918645	BH
PITG_19263	Pi sulfite reductase [NADPH] flavop	-31.3533	-37.3255	0.132569	0.918645	BH
PITG_03582	Pi serine protease family S01B, put	-31.8794	-36.2732	0.133295	0.918645	BH
PITG_06376	Pi guanine nucleotide-binding prot	-31.8713	-36.2896	0.133295	0.918645	BH
PITG_14833	Pi conserved hypothetical protein (	-31.8552	-36.3217	0.133295	0.918645	BH
PITG_15776	Pi protein kinase, putative (867 nt)	-31.8794	-36.2732	0.133295	0.918645	BH
PITG_17351	Pi conserved hypothetical protein (	-31.8794	-36.2732	0.133295	0.918645	BH
PITG_18118	Pi conserved hypothetical protein (	-31.7198	-36.5925	0.133417	0.918645	BH
PITG_01830	Pi conserved hypothetical protein (	-31.5515	-36.929	0.133757	0.918645	BH
PITG_18984	Pi conserved hypothetical protein (	-15.4959	3.741231	0.133798	0.918645	BH
PITG_15190	Pi conserved hypothetical protein (	-31.2833	-37.4655	0.13399	0.918645	BH
PITG_13265	Pi adenosine kinase (1038 nt)	-13.5116	2.957976	0.134076	0.918645	BH
PITG_10735	Pi conserved hypothetical protein (	-31.8409	-36.3503	0.134383	0.918645	BH
PITG_14968	Pi cAMP-dependent protein kinase	-31.5005	-37.0311	0.13442	0.918645	BH
PITG_00867	Pi conserved hypothetical protein (	-31.5999	-36.8322	0.134891	0.918645	BH
PITG_01244	Pi conserved hypothetical protein (	-31.6056	-36.821	0.134891	0.918645	BH
PITG_02498	Pi iron sulfur cluster assembly prot	-31.584	-36.8641	0.134891	0.918645	BH
PITG_09298	Pi conserved hypothetical protein (	-31.6155	-36.801	0.134891	0.918645	BH
PITG_14465	Pi conserved hypothetical protein (	-31.6049	-36.8224	0.134891	0.918645	BH
PITG_16834	Pi exodeoxyribonuclease (1177 nt)	-31.5916	-36.849	0.134891	0.918645	BH
PITG_17349	Pi conserved hypothetical protein (	-31.5978	-36.8364	0.134891	0.918645	BH
PITG_18432	Pi pre-mRNA cleavage complex II p	-31.6234	-36.7852	0.134891	0.918645	BH
PITG_14626	Pi dual specificity tyrosine-phospho	-31.6344	-36.7633	0.134891	0.918645	BH
PITG_15116	Pi Multidrug/Oligosaccharidyl-lipid	-31.6285	-36.775	0.134891	0.918645	BH
PITG_16433	Pi conserved hypothetical protein (	-31.6213	-36.7895	0.134891	0.918645	BH
PITG_09744	Pi CUG-BP- and ETR-3-like factor, p	-11.3746	-2.15586	0.13498	0.918645	BH
PITG_05587	Pi protein kinase, putative (2287 nt)	-31.5361	-36.9598	0.134991	0.918645	BH
PITG_14054	Pi secreted RxLR effector peptide,	-31.4012	-37.2297	0.135023	0.918645	BH
PITG_02252	Pi conserved hypothetical protein (	-31.8805	-36.2712	0.135477	0.918645	BH
PITG_14950	Pi conserved hypothetical protein (	-31.8488	-36.3345	0.135477	0.918645	BH
PITG_18360	Pi cAMP-dependent protein kinase	-31.8167	-36.3987	0.135477	0.918645	BH
PITG_04685	Pi hypothetical protein (1441 nt)	-31.7714	-36.4893	0.135638	0.918645	BH
PITG_11171	Pi conserved hypothetical protein (	-31.7575	-36.5171	0.135638	0.918645	BH
PITG_00054	Pi Mitochondrial Protein Transloca	-31.6307	-36.7707	0.136087	0.918645	BH
PITG_03971	Pi acetyltransferase (GNAT) family,	-31.633	-36.7662	0.136087	0.918645	BH
PITG_04663	Pi conserved hypothetical protein (	-31.6249	-36.7823	0.136087	0.918645	BH
PITG_09722	Pi thioredoxin H-type (1210 nt)	-31.5901	-36.8518	0.136087	0.918645	BH
PITG_12488	Pi conserved hypothetical protein (	-31.6084	-36.8153	0.136087	0.918645	BH
PITG_13366	Pi conserved hypothetical protein (	-31.5902	-36.8516	0.136087	0.918645	BH
PITG_19314	Pi replication factor C subunit 3 (12	-31.6257	-36.7808	0.136087	0.918645	BH

PITG_19591	Pi conserved hypothetical protein (	-31.6256	-36.7809	0.136087	0.918645	BH
PITG_14576	Pi conserved hypothetical protein (	-31.5628	-36.9065	0.136231	0.918645	BH
PITG_01390	Pi conserved hypothetical protein (	-31.8484	-36.3354	0.136578	0.918645	BH
PITG_06324	Pi hypothetical protein (1633 nt)	-31.8484	-36.3354	0.136578	0.918645	BH
PITG_09897	Pi conserved hypothetical protein (	-31.8742	-36.2838	0.136578	0.918645	BH
PITG_04401	Pi conserved hypothetical protein (	-31.8643	-36.3036	0.136578	0.918645	BH
PITG_18727	Pi DNA-directed RNA polymerase II	-31.8723	-36.2874	0.136578	0.918645	BH
PITG_23090	Pi protein kinase, putative (2448 nt)	-31.8563	-36.3196	0.136578	0.918645	BH
PITG_02292	Pi protein phosphatase, putative (3	-31.595	-36.8421	0.137289	0.918645	BH
PITG_09493	Pi Mitochondrial Protein Translocase	-31.6006	-36.8309	0.137289	0.918645	BH
PITG_15442	Pi transmembrane protein, putative	-31.6148	-36.8024	0.137289	0.918645	BH
PITG_16203	Pi purine nucleoside phosphorylase	-31.5979	-36.8363	0.137289	0.918645	BH
PITG_19691	Pi conserved hypothetical protein (	-31.5868	-36.8584	0.137289	0.918645	BH
PITG_21829	Pi conserved hypothetical protein (	-31.6242	-36.7837	0.137289	0.918645	BH
PITG_07366	Pi conserved hypothetical protein (	-31.6652	-36.7016	0.137328	0.918645	BH
PITG_20970	Pi triosephosphate isomerase/glyceral	-11.4756	2.808586	0.137408	0.918645	BH
PITG_04041	Pi conserved hypothetical protein (	-13.2805	-2.53766	0.137562	0.918645	BH
PITG_00974	Pi YIPF6-like protein (969 nt)	-31.8406	-36.3509	0.137685	0.918645	BH
PITG_10410	Pi SCP-like extracellular protein (10	-14.5767	3.679115	0.138001	0.918645	BH
PITG_01034	Pi Mitochondrial Carrier (MC) Family	-31.5991	-36.8338	0.138497	0.918645	BH
PITG_01627	Pi alcohol dehydrogenase, putative	-31.6293	-36.7736	0.138497	0.918645	BH
PITG_07953	Pi 3-ketoacyl-CoA thiolase A (1340	-31.6106	-36.8109	0.138497	0.918645	BH
PITG_17239	Pi calcineurin-like phosphoesterase	-31.6163	-36.7995	0.138497	0.918645	BH
PITG_18183	Pi maltose O-acetyltransferase (10	-31.5938	-36.8445	0.138497	0.918645	BH
PITG_06003	Pi conserved hypothetical protein (	-31.8815	-36.269	0.138798	0.918645	BH
PITG_00861	Pi conserved hypothetical protein (	-31.5835	-36.8651	0.139711	0.918645	BH
PITG_07238	Pi conserved hypothetical protein (	-31.6048	-36.8226	0.139711	0.918645	BH
PITG_09873	Pi pre-mRNA-splicing factor SPF27,	-31.5835	-36.8651	0.139711	0.918645	BH
PITG_10501	Pi conserved hypothetical protein (	-31.6344	-36.7633	0.139711	0.918645	BH
PITG_17725	Pi conserved hypothetical protein (	-13.3278	-2.43668	0.139755	0.918645	BH
PITG_09065	Pi conserved hypothetical protein (	-31.8734	-36.2852	0.139918	0.918645	BH
PITG_19349	Pi conserved hypothetical protein (	-31.8574	-36.3174	0.139918	0.918645	BH
PITG_00550	Pi conserved hypothetical protein (	-31.5445	-36.9431	0.139995	0.918645	BH
PITG_02706	Pi NUK6 (2239 nt)	-31.548	-36.9362	0.139995	0.918645	BH
PITG_06203	Pi conserved hypothetical protein (	-10.8036	-2.0897	0.140772	0.918645	BH
PITG_01294	Pi hypothetical protein (1032 nt)	-31.7151	-36.6019	0.140931	0.918645	BH
PITG_07109	Pi conserved hypothetical protein (	-31.5858	-36.8605	0.140932	0.918645	BH
PITG_08692	Pi conserved hypothetical protein (	-31.6301	-36.772	0.140932	0.918645	BH
PITG_13074	Pi cysteine protease family C01A, p	-31.5843	-36.8636	0.140932	0.918645	BH
PITG_13014	Pi proliferation-associated protein,	-12.0246	2.898543	0.14097	0.918645	BH
PITG_05690	Pi ubiquitin activating enzyme, E1 f	-31.834	-36.3642	0.141044	0.918645	BH
PITG_09388	Pi GPN-loop GTPase 2, putative (11	-31.8222	-36.3878	0.141044	0.918645	BH
PITG_11461	Pi HECT E3 ubiquitin ligase, putative	-31.8387	-36.3547	0.141044	0.918645	BH
PITG_03376	Pi endomembrane protein 70-like	-13.3536	-2.37777	0.141177	0.918645	BH
PITG_09600	Pi conserved hypothetical protein (	-13.2876	-2.52717	0.142035	0.918645	BH
PITG_01287	Pi conserved hypothetical protein (	-31.627	-36.7781	0.142159	0.918645	BH
PITG_09711	Pi hypothetical protein (274 nt)	-31.6089	-36.8142	0.142159	0.918645	BH

PITG_18928	Pi conserved hypothetical protein (	-31.6329	-36.7664	0.142159	0.918645	BH
PITG_07778	Pi conserved hypothetical protein (	-31.8188	-36.3945	0.142177	0.918645	BH
PITG_21256	Pi conserved hypothetical protein (	-31.7277	-36.5767	0.142213	0.918645	BH
PITG_04375	Pi conserved hypothetical protein (	-31.5334	-36.9653	0.142539	0.918645	BH
PITG_23029	Pi Crinkler (CRN) family protein, ps	-31.5549	-36.9223	0.142539	0.918645	BH
PITG_13528	Pi conserved hypothetical protein (	-13.174	-2.79073	0.142699	0.918645	BH
PITG_10258	Pi conserved hypothetical protein (	-31.8161	-36.4	0.142815	0.918645	BH
PITG_08322	Pi conserved hypothetical protein (	-12.106	-3.22141	0.143113	0.918645	BH
PITG_11913	Pi heat shock cognate 70 kDa prote	-11.1489	2.884465	0.143156	0.918645	BH
PITG_02480	Pi conserved hypothetical protein (	-31.8298	-36.3725	0.143316	0.918645	BH
PITG_13590	Pi ATP-binding Cassette (ABC) supe	-31.8827	-36.2666	0.143316	0.918645	BH
PITG_14420	Pi conserved hypothetical protein (	-31.8665	-36.2992	0.143316	0.918645	BH
PITG_19474	Pi cobalamin adenosyltransferase,	-31.8546	-36.323	0.143316	0.918645	BH
PITG_00964	Pi conserved hypothetical protein (	-31.6082	-36.8158	0.143392	0.918645	BH
PITG_04505	Pi transmembrane protein, putativ	-31.6136	-36.8049	0.143392	0.918645	BH
PITG_06762	Pi conserved hypothetical protein (	-31.6204	-36.7913	0.143392	0.918645	BH
PITG_14557	Pi conserved hypothetical protein (	-31.585	-36.862	0.143392	0.918645	BH
PITG_12042	Pi hypothetical protein (677 nt)	-13.2096	-2.71397	0.143725	0.918645	BH
PITG_17244	Pi zinc finger CDGSH domain-conta	-12.606	-2.01371	0.144352	0.918645	BH
PITG_16808	Pi ATP-binding Cassette (ABC) Supe	-31.8506	-36.3309	0.144461	0.918645	BH
PITG_04184	Pi conserved hypothetical protein (	-31.4785	-37.0751	0.144464	0.918645	BH
PITG_05151	Pi Amino Acid/Auxin Permease (AA	-31.5858	-36.8606	0.144631	0.918645	BH
PITG_05565	Pi conserved hypothetical protein (	-31.6196	-36.7928	0.144631	0.918645	BH
PITG_13679	Pi conserved hypothetical protein (	-31.5912	-36.8496	0.144631	0.918645	BH
PITG_10815	Pi conserved hypothetical protein (	-31.5496	-36.933	0.14511	0.918645	BH
PITG_20491	Pi fumarylacetoacetase (1806 nt)	-31.5496	-36.933	0.14511	0.918645	BH
PITG_00263	Pi conserved hypothetical protein (	-31.8199	-36.3924	0.145613	0.918645	BH
PITG_18458	Pi conserved hypothetical protein (	-31.8199	-36.3924	0.145613	0.918645	BH
PITG_21111	Pi conserved hypothetical protein (	-31.8199	-36.3924	0.145613	0.918645	BH
PITG_07663	Pi major Facilitator Superfamily (M	-31.4444	-37.1433	0.145846	0.918645	BH
PITG_01411	Pi elongation of very long chain fat	-31.6031	-36.8259	0.145876	0.918645	BH
PITG_02762	Pi protein kinase, putative (2433 nt	-31.6208	-36.7905	0.145876	0.918645	BH
PITG_03449	Pi conserved hypothetical protein (	-31.6324	-36.7673	0.145876	0.918645	BH
PITG_03597	Pi alanyl-tRNA synthetase domain-	-31.6131	-36.8059	0.145876	0.918645	BH
PITG_18650	Pi proteasomal ubiquitin receptor,	-31.6031	-36.8259	0.145876	0.918645	BH
PITG_19128	Pi conserved hypothetical protein (	-31.6324	-36.7673	0.145876	0.918645	BH
PITG_21018	Pi expressed protein (1433 nt)	-31.5954	-36.8414	0.145876	0.918645	BH
PITG_17786	Pi argininosuccinate lyase (1386 nt	-13.0349	2.913721	0.145951	0.918645	BH
PITG_03888	Pi conserved hypothetical protein (	-31.9285	-36.175	0.146764	0.918645	BH
PITG_04227	Pi conserved hypothetical protein (	-31.9311	-36.1699	0.146764	0.918645	BH
PITG_04591	Pi protein kinase (1318 nt)	-31.9285	-36.175	0.146764	0.918645	BH
PITG_00020	Pi conserved hypothetical protein (	-31.9222	-36.1877	0.146764	0.918645	BH
PITG_00888	Pi conserved hypothetical protein (	-31.9669	-36.0983	0.146764	0.918645	BH
PITG_00994	Pi conserved hypothetical protein (	-31.9031	-36.2259	0.146764	0.918645	BH
PITG_00999	Pi protein kinase, putative (1151 nt	-31.9392	-36.1537	0.146764	0.918645	BH
PITG_01087	Pi cell division protease ftsH (2050	-31.9319	-36.1683	0.146764	0.918645	BH
PITG_01761	Pi proline oxidase, putative (1716 r	-31.9409	-36.1503	0.146764	0.918645	BH

PITG_02178	Pi conserved hypothetical protein (	-31.9294	-36.1733	0.146764	0.918645	BH
PITG_02192	Pi glutathione peroxidase 2 (1037 r	-31.8946	-36.243	0.146764	0.918645	BH
PITG_02239	Pi ATP-dependent hsl protease ATF	-31.9492	-36.1338	0.146764	0.918645	BH
PITG_02732	Pi conserved hypothetical protein (	-31.8954	-36.2413	0.146764	0.918645	BH
PITG_03160	Pi ubiquitin family protein, putative	-31.9048	-36.2225	0.146764	0.918645	BH
PITG_03933	Pi CTD small phosphatase-like prot	-31.9384	-36.1554	0.146764	0.918645	BH
PITG_04243	Pi conserved hypothetical protein (	-31.9109	-36.2103	0.146764	0.918645	BH
PITG_06173	Pi conserved hypothetical protein (	-31.9576	-36.117	0.146764	0.918645	BH
PITG_06274	Pi ubiquitin-specific protease, puta	-31.923	-36.186	0.146764	0.918645	BH
PITG_06388	Pi conserved hypothetical protein (	-31.9409	-36.1503	0.146764	0.918645	BH
PITG_06410	Pi conserved hypothetical protein (	-31.9134	-36.2052	0.146764	0.918645	BH
PITG_06658	Pi conserved hypothetical protein (	-31.9214	-36.1894	0.146764	0.918645	BH
PITG_06780	Pi conserved hypothetical protein (	-31.9134	-36.2052	0.146764	0.918645	BH
PITG_07543	Pi hypothetical protein (728 nt)	-31.9567	-36.1187	0.146764	0.918645	BH
PITG_08241	Pi hypothetical protein (824 nt)	-31.9392	-36.1537	0.146764	0.918645	BH
PITG_08722	Pi conserved hypothetical protein (	-31.8946	-36.243	0.146764	0.918645	BH
PITG_08874	Pi conserved hypothetical protein (	-31.9375	-36.1571	0.146764	0.918645	BH
PITG_09567	Pi conserved hypothetical protein (	-31.9475	-36.1372	0.146764	0.918645	BH
PITG_09637	Pi riboflavin biosynthesis protein ri	-31.9567	-36.1187	0.146764	0.918645	BH
PITG_09990	Pi dolichyldiphosphatase, putative	-31.9031	-36.2259	0.146764	0.918645	BH
PITG_10081	Pi conserved hypothetical protein (	-31.9601	-36.1119	0.146764	0.918645	BH
PITG_10899	Pi protein kinase, putative (1146 nt)	-31.923	-36.186	0.146764	0.918645	BH
PITG_11206	Pi conserved hypothetical protein (	-31.8946	-36.243	0.146764	0.918645	BH
PITG_11597	Pi conserved hypothetical protein (	-31.9109	-36.2103	0.146764	0.918645	BH
PITG_11791	Pi conserved hypothetical protein (	-31.9031	-36.2259	0.146764	0.918645	BH
PITG_12053	Pi acetylornithine aminotransferas	-31.9118	-36.2086	0.146764	0.918645	BH
PITG_12106	Pi CDP-alcohol phosphatidyltransfe	-31.9384	-36.1554	0.146764	0.918645	BH
PITG_12235	Pi makorin-like protein (1010 nt)	-31.892	-36.248	0.146764	0.918645	BH
PITG_13651	Pi conserved hypothetical protein (	-31.9669	-36.0983	0.146764	0.918645	BH
PITG_14835	Pi conserved hypothetical protein (	-31.9401	-36.152	0.146764	0.918645	BH
PITG_16228	Pi conserved hypothetical protein (	-31.9392	-36.1537	0.146764	0.918645	BH
PITG_17245	Pi conserved hypothetical protein (	-31.9592	-36.1136	0.146764	0.918645	BH
PITG_20687	Pi ribulose-phosphate 3-epimerase	-31.9401	-36.152	0.146764	0.918645	BH
PITG_22409	Pi hypothetical protein (978 nt)	-31.9584	-36.1153	0.146764	0.918645	BH
PITG_03053	Pi Drug/Metabolite Transporter (D	-31.8287	-36.3747	0.146772	0.918645	BH
PITG_00973	Pi conserved hypothetical protein (	-31.5983	-36.8356	0.147128	0.918645	BH
PITG_04478	Pi protein kinase (1275 nt)	-31.5983	-36.8356	0.147128	0.918645	BH
PITG_14910	Pi conserved hypothetical protein (	-13.329	-2.44058	0.147256	0.918645	BH
PITG_00234	Pi conserved hypothetical protein (	-11.6746	-2.12523	0.14744	0.918645	BH
PITG_10927	Pi conserved hypothetical protein (	-31.4274	-37.1773	0.147602	0.918645	BH
PITG_01107	Pi conserved hypothetical protein (	-31.7913	-36.4495	0.14775	0.918645	BH
PITG_00676	Pi transcription factor (2527 nt)	-31.9248	-36.1826	0.147838	0.918645	BH
PITG_02821	Pi vacuolar-processing enzyme, pu	-31.9336	-36.1648	0.147838	0.918645	BH
PITG_02849	Pi conserved hypothetical protein (	-31.9336	-36.1648	0.147838	0.918645	BH
PITG_06760	Pi conserved hypothetical protein (	-31.9239	-36.1843	0.147838	0.918645	BH
PITG_06822	Pi sulfatase-like protein (3142 nt)	-31.9248	-36.1826	0.147838	0.918645	BH
PITG_07637	Pi transcription initiation factor TFI	-31.8979	-36.2362	0.147838	0.918645	BH



PITG_08305	Pi conserved hypothetical protein (	-31.8997	-36.2327	0.147838	0.918645	BH
PITG_11070	Pi conserved hypothetical protein (	-31.9239	-36.1843	0.147838	0.918645	BH
PITG_14816	Pi conserved hypothetical protein (	-31.9277	-36.1768	0.147838	0.918645	BH
PITG_15927	Pi conserved hypothetical protein (	-31.9418	-36.1486	0.147838	0.918645	BH
PITG_17727	Pi conserved hypothetical protein (	-31.8997	-36.2327	0.147838	0.918645	BH
PITG_00472	Pi pre-mRNA-splicing factor syf2 (1	-31.9426	-36.1469	0.147838	0.918645	BH
PITG_01594	Pi hypothetical protein (697 nt)	-31.9328	-36.1665	0.147838	0.918645	BH
PITG_02807	Pi conserved hypothetical protein (	-31.9466	-36.1389	0.147838	0.918645	BH
PITG_06152	Pi conserved hypothetical protein (	-31.9092	-36.2137	0.147838	0.918645	BH
PITG_09594	Pi conserved hypothetical protein (	-31.955	-36.1222	0.147838	0.918645	BH
PITG_12084	Pi Crinkler (CRN) family protein, ps	-31.9328	-36.1665	0.147838	0.918645	BH
PITG_13139	Pi threonine synthase (1587 nt)	-31.9092	-36.2137	0.147838	0.918645	BH
PITG_16071	Pi prenyltransferase-like protein, p	-31.9092	-36.2137	0.147838	0.918645	BH
PITG_23143	Pi protein kinase, putative (2392 nt)	-31.8839	-36.2642	0.147937	0.918645	BH
PITG_01103	Pi phosphatidylinositol synthase (P	-31.618	-36.796	0.148386	0.918645	BH
PITG_11856	Pi C2 domain-containing protein, p	-31.6102	-36.8116	0.148386	0.918645	BH
PITG_12892	Pi thioredoxin-like protein, putative	-31.5938	-36.8445	0.148386	0.918645	BH
PITG_18173	Pi conserved hypothetical protein (	-31.5883	-36.8556	0.148386	0.918645	BH
PITG_05660	Pi putative GPI-anchored serine ric	-12.6344	-1.95321	0.148696	0.918645	BH
PITG_02670	Pi conserved hypothetical protein (	-31.9435	-36.1451	0.148918	0.918645	BH
PITG_03418	Pi conserved hypothetical protein (	-31.9345	-36.1631	0.148918	0.918645	BH
PITG_03438	Pi lipin-like protein (1587 nt)	-31.9358	-36.1606	0.148918	0.918645	BH
PITG_04000	Pi angio-associated migratory cell p	-31.8988	-36.2345	0.148918	0.918645	BH
PITG_06113	Pi hypothetical protein (419 nt)	-31.9083	-36.2155	0.148918	0.918645	BH
PITG_06457	Pi conserved hypothetical protein (	-31.9256	-36.1808	0.148918	0.918645	BH
PITG_10152	Pi calcium-binding atopy-related at	-31.9256	-36.1808	0.148918	0.918645	BH
PITG_11161	Pi 2-oxoisovalerate dehydrogenase	-31.9526	-36.1269	0.148918	0.918645	BH
PITG_11710	Pi conserved hypothetical protein (	-31.916	-36.2001	0.148918	0.918645	BH
PITG_15609	Pi conserved hypothetical protein (	-31.9526	-36.1269	0.148918	0.918645	BH
PITG_16337	Pi ribosomal RNA methyltransferase	-31.9643	-36.1035	0.148918	0.918645	BH
PITG_22439	Pi conserved hypothetical protein (	-31.9526	-36.1269	0.148918	0.918645	BH
PITG_08769	Pi demethylmenaquinone methyltr	-31.5532	-36.9257	0.14902	0.918645	BH
PITG_09819	Pi conserved hypothetical protein (	-31.8789	-36.2743	0.149109	0.918645	BH
PITG_13290	Pi conserved hypothetical protein (	-31.8789	-36.2743	0.149109	0.918645	BH
PITG_11450	Pi conserved hypothetical protein (	-10.7789	-2.16722	0.149355	0.918645	BH
PITG_01551	Pi conserved hypothetical protein (	-13.3689	-2.34477	0.149387	0.918645	BH
PITG_00525	Pi protein kinase, putative (2482 nt)	-31.8997	-36.2327	0.150003	0.918645	BH
PITG_00820	Pi conserved hypothetical protein (	-31.9354	-36.1613	0.150003	0.918645	BH
PITG_02280	Pi conserved hypothetical protein (	-31.9082	-36.2156	0.150003	0.918645	BH
PITG_05282	Pi phosphatidylinositol-4-phosphat	-31.9169	-36.1983	0.150003	0.918645	BH
PITG_07053	Pi conserved hypothetical protein (	-31.9535	-36.1251	0.150003	0.918645	BH
PITG_08294	Pi hypothetical protein (513 nt)	-31.8979	-36.2362	0.150003	0.918645	BH
PITG_11179	Pi conserved hypothetical protein (	-31.9634	-36.1053	0.150003	0.918645	BH
PITG_11470	Pi calcium-dependent protein kina	-31.944	-36.1442	0.150003	0.918645	BH
PITG_16810	Pi conserved hypothetical protein (	-31.9627	-36.1066	0.150003	0.918645	BH
PITG_16814	Pi conserved hypothetical protein (	-31.8912	-36.2496	0.150003	0.918645	BH
PITG_17663	Pi conserved hypothetical protein (	-31.9169	-36.1983	0.150003	0.918645	BH

PITG_18623	Pi polycomb protein, putative (144	-31.9354	-36.1613	0.150003	0.918645	BH
PITG_19004	Pi conserved hypothetical protein (	-31.944	-36.1442	0.150003	0.918645	BH
PITG_06027	Pi hypothetical protein (1266 nt)	-31.7356	-36.5609	0.150088	0.918645	BH
PITG_04047	Pi hypothetical protein (740 nt)	-31.8286	-36.3749	0.150288	0.918645	BH
PITG_14861	Pi conserved hypothetical protein (	-31.821	-36.39	0.150288	0.918645	BH
PITG_15076	Pi methylmalonate semialdehyde c	-31.8363	-36.3595	0.150288	0.918645	BH
PITG_00756	Pi carboxypeptidase, putative (144	-31.53	-36.972	0.150337	0.918645	BH
PITG_18187	Pi sulfite reductase [NADPH] subur	-31.4199	-37.1922	0.150498	0.918645	BH
PITG_03923	Pi conserved hypothetical protein (	-31.3519	-37.3282	0.150528	0.918645	BH
PITG_19855	Pi hypothetical protein (432 nt)	-10.5425	-2.04883	0.150689	0.918645	BH
PITG_00146	Pi glucose-6-phosphate 1-dehydrog	-13.3602	-2.3635	0.150901	0.918645	BH
PITG_05617	Pi UDP-glucose 4-epimerase, putat	-13.3764	-2.33105	0.150901	0.918645	BH
PITG_15605	Pi conserved hypothetical protein (	-31.6282	-36.7757	0.150921	0.918645	BH
PITG_01691	Pi phosphatidylinositol-3,4,5-trisph	-31.9636	-36.1048	0.151094	0.918645	BH
PITG_02729	Pi chromodomain protein, putative	-31.9531	-36.1258	0.151094	0.918645	BH
PITG_03795	Pi conserved hypothetical protein (	-31.9531	-36.1258	0.151094	0.918645	BH
PITG_05009	Pi conserved hypothetical protein (	-31.934	-36.1642	0.151094	0.918645	BH
PITG_06849	Pi conserved hypothetical protein (	-31.9544	-36.1233	0.151094	0.918645	BH
PITG_08392	Pi FACT complex subunit SPT16, pu	-31.9091	-36.2138	0.151094	0.918645	BH
PITG_09277	Pi conserved hypothetical protein (	-31.9065	-36.219	0.151094	0.918645	BH
PITG_09698	Pi histidine biosynthesis trifunctor	-31.9431	-36.146	0.151094	0.918645	BH
PITG_09779	Pi conserved hypothetical protein (	-31.9531	-36.1258	0.151094	0.918645	BH
PITG_14567	Pi conserved hypothetical protein (	-31.9266	-36.179	0.151094	0.918645	BH
PITG_18991	Pi conserved hypothetical protein (	-31.9153	-36.2016	0.151094	0.918645	BH
PITG_21171	Pi conserved hypothetical protein (	-31.9625	-36.1072	0.151094	0.918645	BH
PITG_21816	Pi conserved hypothetical protein (	-31.9178	-36.1965	0.151094	0.918645	BH
PITG_11483	Pi hypothetical protein (2832 nt)	-31.3709	-37.2902	0.151278	0.918645	BH
PITG_10597	Pi hypothetical protein (1250 nt)	-12.01	-2.19895	0.15139	0.918645	BH
PITG_04525	Pi conserved hypothetical protein (	-31.4772	-37.0777	0.151458	0.918645	BH
PITG_19761	Pi conserved hypothetical protein (	-12.6249	-1.97611	0.151903	0.918645	BH
PITG_08471	Pi protein kinase (1178 nt)	-31.9275	-36.1772	0.152191	0.918645	BH
PITG_11600	Pi carbohydrate-binding protein, pi	-31.9453	-36.1414	0.152191	0.918645	BH
PITG_11926	Pi glu/Leu/Phe/Val dehydrogenase	-31.9187	-36.1947	0.152191	0.918645	BH
PITG_12356	Pi conserved hypothetical protein (	-31.9056	-36.2209	0.152191	0.918645	BH
PITG_12744	Pi caltractin-like protein (891 nt)	-31.897	-36.2381	0.152191	0.918645	BH
PITG_12996	Pi conserved hypothetical protein (	-31.91	-36.212	0.152191	0.918645	BH
PITG_13066	Pi hypothetical protein (816 nt)	-31.9187	-36.1947	0.152191	0.918645	BH
PITG_20215	Pi conserved hypothetical protein (	-31.9522	-36.1277	0.152191	0.918645	BH
PITG_09836	Pi secreted RxLR effector peptide,	-31.6347	-36.7627	0.152198	0.918645	BH
PITG_12292	Pi rRNA-processing protein, putativ	-31.5986	-36.8349	0.152198	0.918645	BH
PITG_15270	Pi conserved hypothetical protein (	-31.5943	-36.8434	0.152198	0.918645	BH
PITG_16680	Pi conserved hypothetical protein (	-31.6042	-36.8237	0.152198	0.918645	BH
PITG_06597	Pi protein phosphatase 2A regulatc	-13.3709	-2.34322	0.15242	0.918645	BH
PITG_00840	Pi hypothetical protein (492 nt)	-31.4543	-37.1236	0.152882	0.918645	BH
PITG_12916	Pi cysteine protease family C01A, p	-31.5461	-36.9399	0.152993	0.918645	BH
PITG_01937	Pi myosin-like protein (1685 nt)	-31.9646	-36.1029	0.153293	0.918645	BH
PITG_04568	Pi protein kinase (2281 nt)	-31.8931	-36.246	0.153293	0.918645	BH

PITG_09570	Pi hypothetical protein (1014 nt)	-31.9231	-36.1858	0.153293	0.918645	BH
PITG_16073	Pi alcohol dehydrogenase, putative	-31.9554	-36.1214	0.153293	0.918645	BH
PITG_17332	Pi conserved hypothetical protein (	-31.8961	-36.24	0.153293	0.918645	BH
PITG_19709	Pi hypothetical protein (279 nt)	-31.9231	-36.1858	0.153293	0.918645	BH
PITG_20117	Pi 3-ketodihydrosphingosine reduc	-31.9421	-36.148	0.153293	0.918645	BH
PITG_00129	Pi copine-like protein, putative (15	-31.6233	-36.7855	0.153482	0.918645	BH
PITG_15134	Pi conserved hypothetical protein (	-31.6062	-36.8196	0.153482	0.918645	BH
PITG_06950	Pi histone H3.3 (880 nt)	-9.6508	2.257817	0.153625	0.918645	BH
PITG_16749	Pi hypothetical protein (1503 nt)	-13.3582	-2.36991	0.153946	0.918645	BH
PITG_00252	Pi conserved hypothetical protein (	-31.9606	-36.111	0.154401	0.918645	BH
PITG_15818	Pi conserved hypothetical protein (	-31.9046	-36.2228	0.154401	0.918645	BH
PITG_20717	Pi conserved hypothetical protein (	-31.911	-36.2101	0.154401	0.918645	BH
PITG_10210	Pi phosphoenolpyruvate carboxyki	-11.7482	-1.95101	0.154473	0.918645	BH
PITG_02449	Pi conserved hypothetical protein (	-31.6156	-36.801	0.154772	0.918645	BH
PITG_07200	Pi conserved hypothetical protein (	-31.5978	-36.8366	0.154772	0.918645	BH
PITG_10659	Pi conserved hypothetical protein (	-31.5978	-36.8366	0.154772	0.918645	BH
PITG_11676	Pi conserved hypothetical protein (	-31.8298	-36.3725	0.15507	0.918645	BH
PITG_19939	Pi glucosylceramidase, putative (21	-31.8298	-36.3725	0.15507	0.918645	BH
PITG_04134	Pi conserved hypothetical protein (	-31.9564	-36.1194	0.155514	0.918645	BH
PITG_07865	Pi autophagy-related protein, puta	-31.9382	-36.1556	0.155514	0.918645	BH
PITG_09896	Pi conserved hypothetical protein (	-31.9133	-36.2055	0.155514	0.918645	BH
PITG_10221	Pi hypothetical protein (529 nt)	-31.9411	-36.1499	0.155514	0.918645	BH
PITG_14389	Pi conserved hypothetical protein (	-31.9564	-36.1194	0.155514	0.918645	BH
PITG_15154	Pi conserved hypothetical protein (	-31.894	-36.244	0.155514	0.918645	BH
PITG_22865	Pi propionyl coenzyme A carboxyla	-31.9472	-36.1376	0.155514	0.918645	BH
PITG_02985	Pi conserved hypothetical protein (	-31.9037	-36.2248	0.156633	0.918645	BH
PITG_06199	Pi Cullin family protein, putative (3	-31.9311	-36.17	0.156633	0.918645	BH
PITG_20046	Pi conserved hypothetical protein (	-31.9034	-36.2253	0.156633	0.918645	BH
PITG_04824	Pi conserved hypothetical protein (	-12.6438	-1.93442	0.156719	0.918645	BH
PITG_22670	Pi PcF and SCR74-like cys-rich secre	-7.27033	2.518627	0.156865	0.918645	BH
PITG_13262	Pi cystathionine beta-synthase (15)	-13.3784	-2.33191	0.157017	0.918645	BH
PITG_00563	Pi hypothetical protein (1348 nt)	-31.9401	-36.152	0.157758	0.918645	BH
PITG_05468	Pi conserved hypothetical protein (	-31.9401	-36.152	0.157758	0.918645	BH
PITG_14108	Pi conserved hypothetical protein (	-31.9211	-36.1898	0.157758	0.918645	BH
PITG_19371	Pi GTP-binding protein, putative (1	-31.9123	-36.2075	0.157758	0.918645	BH
PITG_20498	Pi conserved hypothetical protein (	-31.895	-36.2421	0.157758	0.918645	BH
PITG_21006	Pi O-phosphoseryl-tRNA(Sec) selen	-31.9482	-36.1356	0.157758	0.918645	BH
PITG_00380	Pi sphingosine-1-phosphate lyase,	-31.6606	-36.711	0.15788	0.918645	BH
PITG_01525	Pi conserved hypothetical protein (	-31.6721	-36.6878	0.15788	0.918645	BH
PITG_02769	Pi conserved hypothetical protein (	-31.6721	-36.6878	0.15788	0.918645	BH
PITG_06112	Pi hypothetical protein (481 nt)	-31.6776	-36.6769	0.15788	0.918645	BH
PITG_09004	Pi conserved hypothetical protein (	-31.666	-36.7002	0.15788	0.918645	BH
PITG_11750	Pi serine/threonine protein phosph	-31.6847	-36.6628	0.15788	0.918645	BH
PITG_12760	Pi DNA binding protein, putative (1	-31.6652	-36.7017	0.15788	0.918645	BH
PITG_18677	Pi conserved hypothetical protein (	-31.6652	-36.7017	0.15788	0.918645	BH
PITG_16117	Pi conserved hypothetical protein (	-10.5134	-2.13434	0.158211	0.918645	BH
PITG_13614	Pi malate dehydrogenase, mitocho	-11.621	2.561547	0.158354	0.918645	BH

PITG_13405	Pi conserved hypothetical protein (	-31.6307	-36.7706	0.158679	0.918645	BH
PITG_09642	Pi conserved hypothetical protein (	-31.9492	-36.1337	0.158888	0.918645	BH
PITG_10316	Pi RNA exonuclease 4 (1140 nt)	-31.9492	-36.1337	0.158888	0.918645	BH
PITG_01031	Pi conserved hypothetical protein (	-31.9304	-36.1713	0.158888	0.918645	BH
PITG_05174	Pi conserved hypothetical protein (	-31.93	-36.1721	0.158888	0.918645	BH
PITG_15216	Pi S-phase kinase-associated prote	-31.9216	-36.1888	0.158888	0.918645	BH
PITG_20033	Pi conserved hypothetical protein (	-31.9216	-36.1888	0.158888	0.918645	BH
PITG_01070	Pi conserved hypothetical protein (	-31.6689	-36.6942	0.159135	0.918645	BH
PITG_05855	Pi protein kinase, putative (2558 nt)	-31.6706	-36.6908	0.159135	0.918645	BH
PITG_06918	Pi conserved hypothetical protein (	-31.6389	-36.7544	0.159135	0.918645	BH
PITG_07242	Pi conserved hypothetical protein (	-31.6682	-36.6957	0.159135	0.918645	BH
PITG_08812	Pi conserved hypothetical protein (	-31.6628	-36.7065	0.159135	0.918645	BH
PITG_09430	Pi trafficking protein particle comp	-31.6448	-36.7425	0.159135	0.918645	BH
PITG_10998	Pi Glycogen Synthase Kinase 3 beta	-31.6516	-36.729	0.159135	0.918645	BH
PITG_13658	Pi methionine aminopeptidase, pu	-31.6877	-36.6568	0.159135	0.918645	BH
PITG_14589	Pi choline-phosphate cytidyltrans	-31.6366	-36.7589	0.159135	0.918645	BH
PITG_16472	Pi kazal serine protease inhibitor P	-31.6736	-36.6848	0.159135	0.918645	BH
PITG_19690	Pi conserved hypothetical protein (	-31.6824	-36.6673	0.159135	0.918645	BH
PITG_21000	Pi conserved hypothetical protein (	-31.6492	-36.7337	0.159135	0.918645	BH
PITG_22105	Pi conserved hypothetical protein (	-31.6736	-36.6848	0.159135	0.918645	BH
PITG_23273	Pi Crinkler (CRN) family protein (25	-31.6621	-36.708	0.159135	0.918645	BH
PITG_23187	Pi conserved hypothetical protein (	-31.7825	-36.4672	0.159311	0.918645	BH
PITG_15504	Pi thioredoxin peroxidase, putative	-12.175	2.560465	0.159868	0.918645	BH
PITG_09355	Pi aquaporin, putative (873 nt)	-31.8763	-36.2795	0.15996	0.918645	BH
PITG_12108	Pi conserved hypothetical protein (	-31.8866	-36.259	0.15996	0.918645	BH
PITG_04895	Pi conserved hypothetical protein (	-31.5968	-36.8385	0.159995	0.918645	BH
PITG_08084	Pi conserved hypothetical protein (	-31.5913	-36.8495	0.159995	0.918645	BH
PITG_15151	Pi conserved hypothetical protein (	-31.5961	-36.8399	0.159995	0.918645	BH
PITG_00792	Pi conserved hypothetical protein (	-31.9679	-36.0964	0.160024	0.918645	BH
PITG_00845	Pi 3'5'-cyclic nucleotide phosphodi	-31.896	-36.2401	0.160024	0.918645	BH
PITG_08083	Pi conserved hypothetical protein (	-31.9045	-36.2232	0.160024	0.918645	BH
PITG_12266	Pi inositol-3,4-bisphosphate 4-pho	-31.9045	-36.2232	0.160024	0.918645	BH
PITG_15627	Pi conserved hypothetical protein (	-31.9676	-36.0969	0.160024	0.918645	BH
PITG_15833	Pi conserved hypothetical protein (	-31.9676	-36.0969	0.160024	0.918645	BH
PITG_12088	Pi hypothetical protein (632 nt)	-31.481	-37.0702	0.160048	0.918645	BH
PITG_12565	Pi conserved hypothetical protein (	-31.6454	-36.7412	0.160396	0.918645	BH
PITG_20727	Pi conserved hypothetical protein (	-31.6759	-36.6803	0.160396	0.918645	BH
PITG_00486	Pi hypothetical protein (1155 nt)	-31.6507	-36.7307	0.160396	0.918645	BH
PITG_02562	Pi conserved hypothetical protein (	-31.6395	-36.7531	0.160396	0.918645	BH
PITG_02798	Pi conserved hypothetical protein (	-31.6636	-36.705	0.160396	0.918645	BH
PITG_02973	Pi delta-1-pyrroline-5-carboxylate	-31.6816	-36.6688	0.160396	0.918645	BH
PITG_08209	Pi conserved hypothetical protein (	-31.688	-36.6562	0.160396	0.918645	BH
PITG_14106	Pi conserved hypothetical protein (	-31.6486	-36.7349	0.160396	0.918645	BH
PITG_22552	Pi hypothetical protein (1511 nt)	-31.6872	-36.6577	0.160396	0.918645	BH
PITG_09211	Pi conserved hypothetical protein (	-31.7615	-36.5092	0.160635	0.918645	BH
PITG_12264	Pi protoheme IX farnesyltransferas	-31.5619	-36.9083	0.161133	0.918645	BH
PITG_04599	Pi sestrin-like protein (1761 nt)	-31.9493	-36.1334	0.161166	0.918645	BH

PITG_05729	Pi conserved hypothetical protein (	-31.9493	-36.1334	0.161166	0.918645	BH
PITG_13970	Pi conserved hypothetical protein (	-31.9585	-36.1152	0.161166	0.918645	BH
PITG_14743	Pi conserved hypothetical protein (	-31.8623	-36.3075	0.1612	0.918645	BH
PITG_20186	Pi conserved hypothetical protein (	-31.8623	-36.3075	0.1612	0.918645	BH
PITG_09704	Pi dynein light chain Tctex-type, pu	-31.6196	-36.7929	0.161316	0.918645	BH
PITG_10750	Pi beta-glucan synthesis-associat	-31.6258	-36.7805	0.161316	0.918645	BH
PITG_02274	Pi peroxisomal trans-2-enoyl-CoA r	-31.5256	-36.981	0.161475	0.918645	BH
PITG_15877	Pi conserved hypothetical protein (	-31.4467	-37.1388	0.16161	0.918645	BH
PITG_00391	Pi conserved hypothetical protein (	-31.6837	-36.6648	0.161663	0.918645	BH
PITG_04229	Pi conserved hypothetical protein (	-31.6643	-36.7035	0.161663	0.918645	BH
PITG_04566	Pi hypothetical protein (132 nt)	-31.6522	-36.7277	0.161663	0.918645	BH
PITG_09891	Pi conserved hypothetical protein (	-31.6403	-36.7516	0.161663	0.918645	BH
PITG_21209	Pi conserved hypothetical protein (	-31.6738	-36.6844	0.161663	0.918645	BH
PITG_05601	Pi conserved hypothetical protein (	-13.4003	-2.282	0.161739	0.918645	BH
PITG_02255	Pi histone H1, putative (731 nt)	-10.5772	-1.97951	0.16222	0.918645	BH
PITG_20406	Pi hypothetical protein (2190 nt)	-31.816	-36.4	0.162447	0.918645	BH
PITG_21983	Pi hypothetical protein (2294 nt)	-31.8249	-36.3822	0.162447	0.918645	BH
PITG_03427	Pi tyrosine aminotransferase, puta	-31.5479	-36.9363	0.162515	0.918645	BH
PITG_00400	Pi conserved hypothetical protein (	-31.6032	-36.8257	0.162645	0.918645	BH
PITG_00125	Pi conserved hypothetical protein (	-31.6351	-36.7618	0.162935	0.918645	BH
PITG_00747	Pi hydroxymethylglutaryl-CoA lyase	-31.653	-36.7262	0.162935	0.918645	BH
PITG_02950	Pi conserved hypothetical protein (	-31.6793	-36.6735	0.162935	0.918645	BH
PITG_03168	Pi hypothetical protein (287 nt)	-31.6661	-36.6999	0.162935	0.918645	BH
PITG_05389	Pi ATP-binding Cassette (ABC) Supe	-31.641	-36.7501	0.162935	0.918645	BH
PITG_06702	Pi conserved hypothetical protein (	-31.653	-36.7262	0.162935	0.918645	BH
PITG_08745	Pi conserved hypothetical protein (	-31.647	-36.7382	0.162935	0.918645	BH
PITG_12327	Pi conserved hypothetical protein (	-31.641	-36.7501	0.162935	0.918645	BH
PITG_16806	Pi conserved hypothetical protein (	-31.647	-36.7382	0.162935	0.918645	BH
PITG_22065	Pi conserved hypothetical protein (	-10.875	-1.9418	0.163302	0.918645	BH
PITG_15994	Pi conserved hypothetical protein (	-31.9667	-36.0987	0.163467	0.918645	BH
PITG_10384	Pi hypothetical protein (1443 nt)	-31.5867	-36.8587	0.163979	0.918645	BH
PITG_14401	Pi myb-like DNA-binding protein, p	-31.5813	-36.8696	0.163979	0.918645	BH
PITG_00782	Pi conserved hypothetical protein (	-31.6359	-36.7603	0.164213	0.918645	BH
PITG_10936	Pi hypothetical protein (739 nt)	-31.6477	-36.7366	0.164213	0.918645	BH
PITG_00235	Pi hypothetical protein (307 nt)	-31.9415	-36.1492	0.164626	0.918645	BH
PITG_00264	Pi Delta(3,5)-Delta(2,4)-dienoyl-Co	-31.9415	-36.1492	0.164626	0.918645	BH
PITG_02734	Pi conserved hypothetical protein (	-31.9505	-36.1312	0.164626	0.918645	BH
PITG_03142	Pi hsp90-like protein (1411 nt)	-31.947	-36.1381	0.164626	0.918645	BH
PITG_03372	Pi conserved hypothetical protein (	-31.9596	-36.113	0.164626	0.918645	BH
PITG_06851	Pi conserved hypothetical protein (	-31.9596	-36.113	0.164626	0.918645	BH
PITG_06919	Pi conserved hypothetical protein (	-31.9505	-36.1312	0.164626	0.918645	BH
PITG_07286	Pi phosphatidylinositol kinase (430	-31.9505	-36.1312	0.164626	0.918645	BH
PITG_03741	Pi conserved hypothetical protein (	-31.621	-36.7901	0.16532	0.918645	BH
PITG_13422	Pi conserved hypothetical protein (	-31.6153	-36.8015	0.16532	0.918645	BH
PITG_19851	Pi myb-like DNA-binding protein, p	-31.621	-36.7901	0.16532	0.918645	BH
PITG_00423	Pi conserved hypothetical protein (	-31.6584	-36.7153	0.165497	0.918645	BH
PITG_01438	Pi conserved hypothetical protein (	-31.684	-36.664	0.165497	0.918645	BH

PITG_03425	Pi glycoside hydrolase, putative (20	-31.6367	-36.7588	0.165497	0.918645	BH
PITG_15383	Pi thioredoxin-like protein (456 nt)	-31.686	-36.6601	0.165497	0.918645	BH
PITG_15781	Pi WD domain-containing protein,	-31.6777	-36.6766	0.165497	0.918645	BH
PITG_20130	Pi aldehyde dehydrogenase, putati	-31.6645	-36.7031	0.165497	0.918645	BH
PITG_21011	Pi 14 kDa zinc-binding protein (608	-31.684	-36.664	0.165497	0.918645	BH
PITG_03822	Pi conserved hypothetical protein (	-31.9326	-36.1669	0.165792	0.918645	BH
PITG_13347	Pi IMP-specific 5'-nucleotidase, put	-31.9152	-36.2018	0.165792	0.918645	BH
PITG_16670	Pi conserved hypothetical protein (	-12.6463	-1.94075	0.166596	0.918645	BH
PITG_03223	Pi conserved hypothetical protein (	-31.8982	-36.2357	0.166963	0.918645	BH
PITG_10992	Pi conserved hypothetical protein (	-31.9178	-36.1964	0.166963	0.918645	BH
PITG_15537	Pi conserved hypothetical protein (	-31.7957	-36.4407	0.16738	0.918645	BH
PITG_00712	Pi isoamyl acetate-hydrolyzing este	-31.6744	-36.6834	0.168081	0.918645	BH
PITG_02796	Pi myosin-like protein (4929 nt)	-31.6375	-36.7572	0.168081	0.918645	BH
PITG_17552	Pi myb-like DNA-binding protein, p	-31.6439	-36.7442	0.168081	0.918645	BH
PITG_19147	Pi conserved hypothetical protein (	-31.6439	-36.7442	0.168081	0.918645	BH
PITG_06223	Pi protein kinase, putative (1536 nt)	-31.9516	-36.1289	0.168139	0.918645	BH
PITG_15983	Pi conserved hypothetical protein (	-31.8994	-36.2334	0.168139	0.918645	BH
PITG_17423	Pi conserved hypothetical protein (	-31.9607	-36.1107	0.168139	0.918645	BH
PITG_17576	Pi protein kinase, putative (1986 nt)	-31.8558	-36.3206	0.168787	0.918645	BH
PITG_01619	Pi metalloprotease family M01, pu	-31.9427	-36.1468	0.169322	0.918645	BH
PITG_07455	Pi P-type ATPase (P-ATPase) Super	-31.9427	-36.1468	0.169322	0.918645	BH
PITG_09554	Pi conserved hypothetical protein (	-31.925	-36.1822	0.169322	0.918645	BH
PITG_14123	Pi calcineurin-like phosphoesterase	-31.925	-36.1822	0.169322	0.918645	BH
PITG_15958	Pi serine protease family S33, puta	-31.9338	-36.1646	0.169322	0.918645	BH
PITG_21643	Pi vacuolar protein sorting-associat	-31.925	-36.1822	0.169322	0.918645	BH
PITG_10828	Pi conserved hypothetical protein (	-31.6752	-36.6817	0.169382	0.918645	BH
PITG_17760	Pi Amino Acid/Auxin Permease (AA	-31.6372	-36.7577	0.169382	0.918645	BH
PITG_04719	Pi trafficking protein particle comp	-31.6236	-36.785	0.169383	0.918645	BH
PITG_12350	Pi conserved hypothetical protein (	-31.6162	-36.7997	0.169383	0.918645	BH
PITG_11722	Pi conserved hypothetical protein (	-31.8402	-36.3517	0.170076	0.918645	BH
PITG_11760	Pi HSF-type DNA-binding protein, p	-31.8402	-36.3517	0.170076	0.918645	BH
PITG_01322	Pi myosin-like protein (3704 nt)	-31.9078	-36.2165	0.170511	0.918645	BH
PITG_04394	Pi conserved hypothetical protein (	-31.8909	-36.2502	0.170511	0.918645	BH
PITG_00588	Pi cathepsin, cysteine protease fan	-31.6509	-36.7303	0.170688	0.918645	BH
PITG_13423	Pi conserved hypothetical protein (	-31.6885	-36.6551	0.170688	0.918645	BH
PITG_18252	Pi conserved hypothetical protein (	-31.6885	-36.6551	0.170688	0.918645	BH
PITG_09629	Pi Rab32/38 family GTPase, putativ	-31.8982	-36.2357	0.171706	0.918645	BH
PITG_10240	Pi pirin, putative (1213 nt)	-31.6637	-36.7046	0.172	0.918645	BH
PITG_20105	Pi putative methyltransferase, puta	-31.676	-36.6801	0.172	0.918645	BH
PITG_00627	Pi conserved hypothetical protein (	-31.6352	-36.7617	0.172124	0.918645	BH
PITG_18296	Pi coproporphyrinogen III oxidase,	-31.6352	-36.7617	0.172124	0.918645	BH
PITG_01824	Pi protein kinase (1515 nt)	-31.436	-37.1601	0.172193	0.918645	BH
PITG_00793	Pi hypothetical protein (3031 nt)	-31.962	-36.1082	0.172906	0.918645	BH
PITG_01164	Pi glucan 1,3-beta-glucosidase, put	-31.962	-36.1082	0.172906	0.918645	BH
PITG_08528	Pi conserved hypothetical protein (	-31.962	-36.1082	0.172906	0.918645	BH
PITG_13070	Pi conserved hypothetical protein (	-31.962	-36.1082	0.172906	0.918645	BH
PITG_02634	Pi conserved hypothetical protein (	-31.6399	-36.7524	0.173318	0.918645	BH

PITG_03657	Pi kinesin-like protein (1304 nt)	-31.687	-36.658	0.173318	0.918645	BH
PITG_06479	Pi inositol oxygenase, putative (176	-31.6517	-36.7287	0.173318	0.918645	BH
PITG_18359	Pi ubiquitin-specific protease, puta	-31.9262	-36.1797	0.174113	0.918645	BH
PITG_20383	Pi conserved hypothetical protein (	-12.6864	-1.84931	0.174557	0.918645	BH
PITG_09786	Pi conserved hypothetical protein (	-10.0582	-2.20264	0.174633	0.918645	BH
PITG_13753	Pi choline/Carnitine O-acyltransfer	-31.6172	-36.7978	0.174891	0.918645	BH
PITG_01478	Pi conserved hypothetical protein (	-31.909	-36.2141	0.175326	0.918645	BH
PITG_17891	Pi conserved hypothetical protein (	-31.909	-36.2141	0.175326	0.918645	BH
PITG_03472	Pi callose synthase, putative (6122	-31.6466	-36.7389	0.175971	0.918645	BH
PITG_03757	Pi ATPase (2240 nt)	-31.6535	-36.7252	0.175971	0.918645	BH
PITG_07923	Pi PLAC8 family protein (1717 nt)	-31.6348	-36.7625	0.175971	0.918645	BH
PITG_15155	Pi conserved hypothetical protein (	-31.6407	-36.7507	0.175971	0.918645	BH
PITG_07088	Pi Major Facilitator Superfamily (M	-31.5839	-36.8643	0.176285	0.918645	BH
PITG_14237	Pi glycoside hydrolase, putative (18	-14.583	2.972133	0.176545	0.918645	BH
PITG_02664	Pi ATP-dependent RNA helicase DB	-13.4357	-2.21235	0.177034	0.918645	BH
PITG_09584	Pi hypothetical protein (885 nt)	-31.6727	-36.6867	0.177306	0.918645	BH
PITG_15906	Pi DNA repair protein RAD51 (1595	-31.6716	-36.689	0.177306	0.918645	BH
PITG_16120	Pi conserved hypothetical protein (	-31.6655	-36.7012	0.177306	0.918645	BH
PITG_09280	Pi bZIP transcription factor, putativ	-31.6415	-36.749	0.178647	0.918645	BH
PITG_03435	Pi conserved hypothetical protein (	-31.9723	-36.0875	0.179001	0.918645	BH
PITG_09962	Pi conserved hypothetical protein (	-31.9452	-36.1417	0.179001	0.918645	BH
PITG_10449	Pi ATP-binding Cassette (ABC) Supe	-31.9363	-36.1596	0.179001	0.918645	BH
PITG_17677	Pi conserved hypothetical protein (	-31.9723	-36.0875	0.179001	0.918645	BH
PITG_06863	Pi ATP-binding Cassette (ABC) Supe	-31.6181	-36.7959	0.179092	0.918645	BH
PITG_09296	Pi sterol 3-beta-glucosyltransferase	-31.6238	-36.7845	0.179092	0.918645	BH
PITG_04020	Pi hypothetical protein (575 nt)	-31.8221	-36.388	0.179306	0.918645	BH
PITG_23305	Pi hypothetical protein (1044 nt)	-31.8573	-36.3174	0.179306	0.918645	BH
PITG_00155	Pi conserved hypothetical protein (	-31.5958	-36.8406	0.180505	0.918645	BH
PITG_18316	Pi phospholipid hydroperoxide glut	-12.0431	-2.15363	0.180666	0.918645	BH
PITG_15195	Pi conserved hypothetical protein (	-31.6543	-36.7235	0.181346	0.918645	BH
PITG_00849	Pi hypothetical protein (310 nt)	-31.9764	-36.0793	0.18238	0.918645	BH
PITG_02003	Pi conserved hypothetical protein (	-32.0165	-35.9991	0.18238	0.918645	BH
PITG_02260	Pi C2 domain-containing protein, p	-32.0073	-36.0175	0.18238	0.918645	BH
PITG_03545	Pi conserved hypothetical protein (	-31.9686	-36.0949	0.18238	0.918645	BH
PITG_03621	Pi conserved hypothetical protein (	-32.0492	-35.9337	0.18238	0.918645	BH
PITG_03946	Pi conserved hypothetical protein (	-32.0379	-35.9564	0.18238	0.918645	BH
PITG_04225	Pi geranylgeranyl transferase type-	-31.9885	-36.055	0.18238	0.918645	BH
PITG_04715	Pi pantothenate kinase, putative (1	-31.9885	-36.055	0.18238	0.918645	BH
PITG_05934	Pi conserved hypothetical protein (	-31.9983	-36.0355	0.18238	0.918645	BH
PITG_06997	Pi conserved hypothetical protein (	-31.986	-36.0601	0.18238	0.918645	BH
PITG_08036	Pi conserved hypothetical protein (	-32.0379	-35.9564	0.18238	0.918645	BH
PITG_09770	Pi conserved hypothetical protein (	-31.9974	-36.0372	0.18238	0.918645	BH
PITG_09875	Pi AP-4 complex subunit mu-1, put	-31.9789	-36.0742	0.18238	0.918645	BH
PITG_10007	Pi diaminopimelate decarboxylase,	-31.9966	-36.0389	0.18238	0.918645	BH
PITG_11250	Pi conserved hypothetical protein (	-32.0387	-35.9547	0.18238	0.918645	BH
PITG_12302	Pi conserved hypothetical protein (	-31.986	-36.0601	0.18238	0.918645	BH
PITG_14792	Pi conserved hypothetical protein (	-31.9781	-36.0759	0.18238	0.918645	BH

PITG_14806	Pi trafficking protein particle comp	-31.9781	-36.0759	0.18238	0.918645	BH
PITG_15466	Pi serine protease family S33, puta	-32.0165	-35.9991	0.18238	0.918645	BH
PITG_15550	Pi conserved hypothetical protein (	-32.0182	-35.9957	0.18238	0.918645	BH
PITG_18242	Pi conserved hypothetical protein (	-31.9789	-36.0742	0.18238	0.918645	BH
PITG_18473	Pi 3-phosphoinositide-dependent p	-31.9781	-36.0759	0.18238	0.918645	BH
PITG_18475	Pi conserved hypothetical protein (	-31.9764	-36.0793	0.18238	0.918645	BH
PITG_19022	Pi conserved hypothetical protein (	-32.0082	-36.0158	0.18238	0.918645	BH
PITG_20306	Pi transmembrane protein, putativ	-31.9686	-36.0949	0.18238	0.918645	BH
PITG_01395	Pi glycoside hydrolase, putative (1	-31.6795	-36.6731	0.182705	0.918645	BH
PITG_02948	Pi conserved hypothetical protein (	-31.6733	-36.6854	0.182705	0.918645	BH
PITG_03788	Pi conserved hypothetical protein (	-31.6857	-36.6606	0.182705	0.918645	BH
PITG_00401	Pi ribosome maturation protein SB	-31.9903	-36.0516	0.183509	0.918645	BH
PITG_00594	Pi chaperone protein dnaJ, putativ	-32.0056	-36.0209	0.183509	0.918645	BH
PITG_00854	Pi conserved hypothetical protein (	-31.9949	-36.0424	0.183509	0.918645	BH
PITG_01293	Pi conserved hypothetical protein (	-32.0475	-35.9371	0.183509	0.918645	BH
PITG_01336	Pi conserved hypothetical protein (	-31.9903	-36.0516	0.183509	0.918645	BH
PITG_01809	Pi conserved hypothetical protein (	-31.9894	-36.0533	0.183509	0.918645	BH
PITG_02912	Pi conserved hypothetical protein (	-32.05	-35.932	0.183509	0.918645	BH
PITG_02958	Pi conserved hypothetical protein (	-32.009	-36.014	0.183509	0.918645	BH
PITG_03234	Pi DEAD/DEAH box RNA helicase, p	-32.0099	-36.0123	0.183509	0.918645	BH
PITG_04181	Pi conserved hypothetical protein (	-31.9703	-36.0915	0.183509	0.918645	BH
PITG_05302	Pi replication factor C subunit 5 (1	-31.9703	-36.0915	0.183509	0.918645	BH
PITG_05410	Pi transmembrane protein, putativ	-32.009	-36.014	0.183509	0.918645	BH
PITG_06006	Pi conserved hypothetical protein (	-31.9903	-36.0516	0.183509	0.918645	BH
PITG_06127	Pi conserved hypothetical protein (	-32.0056	-36.0209	0.183509	0.918645	BH
PITG_10141	Pi conserved hypothetical protein (	-32.0301	-35.9719	0.183509	0.918645	BH
PITG_11524	Pi serine protease family S10, puta	-31.9851	-36.0619	0.183509	0.918645	BH
PITG_13403	Pi sphingolipid delta(4)-desaturase	-32	-36.0321	0.183509	0.918645	BH
PITG_13804	Pi conserved hypothetical protein (	-32.0301	-35.9719	0.183509	0.918645	BH
PITG_14381	Pi conserved hypothetical protein (	-31.9747	-36.0828	0.183509	0.918645	BH
PITG_14768	Pi conserved hypothetical protein (	-31.9894	-36.0533	0.183509	0.918645	BH
PITG_16009	Pi importin subunit alpha, putative	-32.0191	-35.994	0.183509	0.918645	BH
PITG_16114	Pi myb-like DNA-binding protein, p	-32.0509	-35.9303	0.183509	0.918645	BH
PITG_16257	Pi conserved hypothetical protein (	-31.9798	-36.0725	0.183509	0.918645	BH
PITG_16940	Pi tRNA guanosine-2'-O-methyltrar	-32.0292	-35.9736	0.183509	0.918645	BH
PITG_17617	Pi TFIIH basal transcription factor c	-31.9894	-36.0533	0.183509	0.918645	BH
PITG_17726	Pi conserved hypothetical protein (	-32.0156	-36.0008	0.183509	0.918645	BH
PITG_17928	Pi UDP-N-acetylglucosamine-peptid	-32.0301	-35.9719	0.183509	0.918645	BH
PITG_18786	Pi conserved hypothetical protein (	-32.037	-35.9581	0.183509	0.918645	BH
PITG_18912	Pi nonsense transcript regulator (2	-32	-36.0321	0.183509	0.918645	BH
PITG_19800	Pi secreted RxLR effector peptide,	-31.9992	-36.0338	0.183509	0.918645	BH
PITG_20087	Pi conserved hypothetical protein (	-32.0475	-35.9371	0.183509	0.918645	BH
PITG_20208	Pi conserved hypothetical protein (	-32.0475	-35.9371	0.183509	0.918645	BH
PITG_20317	Pi GTP-dependent nucleic acid-bind	-31.9747	-36.0828	0.183509	0.918645	BH
PITG_20350	Pi D-amino acid dehydrogenase sr	-32.0099	-36.0123	0.183509	0.918645	BH
PITG_20400	Pi conserved hypothetical protein (	-32.0483	-35.9354	0.183509	0.918645	BH
PITG_21055	Pi LAG1 longevity assurance (1284	-32.0509	-35.9303	0.183509	0.918645	BH



PITG_21176	Pi transportin-like protein (3101 nt	-32.0509	-35.9303	0.183509	0.918645	BH
PITG_14088	Pi conserved hypothetical protein (	-13.3193	2.576036	0.183906	0.918645	BH
PITG_14002	Pi conserved hypothetical protein (	-31.6673	-36.6976	0.184069	0.918645	BH
PITG_02034	Pi zinc transporter, putative (1230	-32.031	-35.9702	0.184644	0.918645	BH
PITG_04618	Pi trimethyllysine dioxygenase, put	-31.9911	-36.0498	0.184644	0.918645	BH
PITG_05113	Pi hypothetical protein (1175 nt)	-32.0009	-36.0303	0.184644	0.918645	BH
PITG_05864	Pi conserved hypothetical protein (	-32.0249	-35.9822	0.184644	0.918645	BH
PITG_07256	Pi conserved hypothetical protein (	-31.9834	-36.0654	0.184644	0.918645	BH
PITG_08452	Pi conserved hypothetical protein (	-31.9911	-36.0498	0.184644	0.918645	BH
PITG_09278	Pi conserved hypothetical protein (	-31.9842	-36.0636	0.184644	0.918645	BH
PITG_09310	Pi 6-phosphofructo-2-kinase/fructo	-31.9911	-36.0498	0.184644	0.918645	BH
PITG_10118	Pi conserved hypothetical protein (	-32.0413	-35.9495	0.184644	0.918645	BH
PITG_10417	Pi conserved hypothetical protein (	-31.9911	-36.0498	0.184644	0.918645	BH
PITG_10601	Pi molybdenum cofactor biosynthe	-32.0039	-36.0244	0.184644	0.918645	BH
PITG_12318	Pi ATP-binding Cassette (ABC) Supe	-32.0466	-35.9389	0.184644	0.918645	BH
PITG_14109	Pi conserved hypothetical protein (	-32.0148	-36.0026	0.184644	0.918645	BH
PITG_18421	Pi large subunit GTPase 1 (2385 nt)	-32.0108	-36.0106	0.184644	0.918645	BH
PITG_19184	Pi ER lumen protein retaining recep	-32.0466	-35.9389	0.184644	0.918645	BH
PITG_01280	Pi conserved hypothetical protein (	-31.9647	-36.1026	0.185249	0.918645	BH
PITG_02320	Pi conserved hypothetical protein (	-31.9556	-36.1209	0.185249	0.918645	BH
PITG_07758	Pi conserved hypothetical protein (	-31.9647	-36.1026	0.185249	0.918645	BH
PITG_13345	Pi conserved hypothetical protein (	-31.9466	-36.139	0.185249	0.918645	BH
PITG_21806	Pi fumarylacetoacetase (1812 nt)	-13.3959	-2.30934	0.185655	0.918645	BH
PITG_00182	Pi conserved hypothetical protein (	-31.9721	-36.0879	0.185783	0.918645	BH
PITG_01822	Pi SNARE associated Golgi protein,	-31.9729	-36.0864	0.185783	0.918645	BH
PITG_02458	Pi conserved hypothetical protein (	-32.0422	-35.9478	0.185783	0.918645	BH
PITG_19180	Pi conserved hypothetical protein (	-32.0457	-35.9407	0.185783	0.918645	BH
PITG_20251	Pi Sulfate Permease (SulP) Family (	-32.003	-36.0262	0.185783	0.918645	BH
PITG_21186	Pi conserved hypothetical protein (	-31.9721	-36.0879	0.185783	0.918645	BH
PITG_01246	Pi conserved hypothetical protein (	-31.9816	-36.069	0.185783	0.918645	BH
PITG_03241	Pi conserved hypothetical protein (	-32.024	-35.9841	0.185783	0.918645	BH
PITG_03801	Pi conserved hypothetical protein (	-32.0217	-35.9887	0.185783	0.918645	BH
PITG_07349	Pi gamma-glutamyl hydrolase, puta	-32.0217	-35.9887	0.185783	0.918645	BH
PITG_09285	Pi conserved hypothetical protein (	-32.024	-35.9841	0.185783	0.918645	BH
PITG_10903	Pi probable adenosine deaminase,	-31.9931	-36.046	0.185783	0.918645	BH
PITG_12500	Pi conserved hypothetical protein (	-31.9931	-36.046	0.185783	0.918645	BH
PITG_13397	Pi protein kinase, putative (2544 nt	-32.024	-35.9841	0.185783	0.918645	BH
PITG_14553	Pi hypothetical protein (1295 nt)	-32.0117	-36.0088	0.185783	0.918645	BH
PITG_17690	Pi conserved hypothetical protein (	-31.9816	-36.069	0.185783	0.918645	BH
PITG_19166	Pi conserved hypothetical protein (	-32.024	-35.9841	0.185783	0.918645	BH
PITG_21185	Pi RPS6 protein kinase (2016 nt)	-32.0018	-36.0285	0.185783	0.918645	BH
PITG_04521	Pi conserved hypothetical protein (	-31.8994	-36.2332	0.186121	0.918645	BH
PITG_10326	Pi hypothetical protein (2982 nt)	-31.8911	-36.2499	0.186121	0.918645	BH
PITG_10493	Pi hypothetical protein (927 nt)	-31.8994	-36.2332	0.186121	0.918645	BH
PITG_08138	Pi conserved hypothetical protein (	-31.6918	-36.6486	0.186206	0.918645	BH
PITG_07046	Pi major vault protein (2627 nt)	-31.9377	-36.1567	0.186517	0.918645	BH
PITG_11562	Pi myb-like DNA-binding protein, p	-31.9202	-36.1917	0.186517	0.918645	BH

PITG_13462	Pi carbohydrate-binding protein, p	-31.9202	-36.1917	0.186517	0.918645	BH
PITG_14489	Pi conserved hypothetical protein (	-31.9289	-36.1743	0.186517	0.918645	BH
PITG_18564	Pi conserved hypothetical protein (	-31.9315	-36.169	0.186517	0.918645	BH
PITG_06599	Pi conserved hypothetical protein (	-31.6681	-36.6958	0.186815	0.918645	BH
PITG_00556	Pi conserved hypothetical protein (	-32.0328	-35.9666	0.186927	0.918645	BH
PITG_02050	Pi putative chitin synthase (Chitin-l	-32.0328	-35.9666	0.186927	0.918645	BH
PITG_03275	Pi spastin and Fidgetin-like protein	-32.0328	-35.9666	0.186927	0.918645	BH
PITG_07279	Pi transmembrane protein, putativ	-32.0328	-35.9666	0.186927	0.918645	BH
PITG_09820	Pi regulator of chromosome conde	-32.0328	-35.9666	0.186927	0.918645	BH
PITG_10570	Pi hypothetical protein (974 nt)	-31.9825	-36.0672	0.186927	0.918645	BH
PITG_11605	Pi aldehyde dehydrogenase, putati	-32.0328	-35.9666	0.186927	0.918645	BH
PITG_02494	Pi conserved hypothetical protein (	-32.0231	-35.9859	0.186927	0.918645	BH
PITG_03804	Pi myosin-like protein (4796 nt)	-31.9921	-36.0479	0.186927	0.918645	BH
PITG_04702	Pi conserved hypothetical protein (	-32.0129	-36.0062	0.186927	0.918645	BH
PITG_04974	Pi conserved hypothetical protein (	-32.0448	-35.9425	0.186927	0.918645	BH
PITG_13317	Pi conserved hypothetical protein (	-32.0129	-36.0062	0.186927	0.918645	BH
PITG_13468	Pi hypothetical protein (2031 nt)	-32.0231	-35.9859	0.186927	0.918645	BH
PITG_00167	Pi cAMP-specific 3',5'-cyclic phosph	-31.7471	-36.5379	0.187513	0.918645	BH
PITG_02695	Pi striatin-3 family protein (2493 nt)	-31.7517	-36.5288	0.187513	0.918645	BH
PITG_02710	Pi serine protease family S01A, put	-31.7185	-36.5951	0.187513	0.918645	BH
PITG_04002	Pi conserved hypothetical protein (	-31.7208	-36.5905	0.187513	0.918645	BH
PITG_05614	Pi conserved hypothetical protein (	-31.7471	-36.5379	0.187513	0.918645	BH
PITG_05627	Pi conserved hypothetical protein (	-31.7296	-36.573	0.187513	0.918645	BH
PITG_06219	Pi conserved hypothetical protein (	-31.7259	-36.5802	0.187513	0.918645	BH
PITG_07232	Pi conserved hypothetical protein (	-31.6966	-36.6388	0.187513	0.918645	BH
PITG_08327	Pi ubiquitin-conjugating enzyme E2	-31.7267	-36.5787	0.187513	0.918645	BH
PITG_09579	Pi riboflavin biosynthesis protein ri	-31.7319	-36.5683	0.187513	0.918645	BH
PITG_15063	Pi conserved hypothetical protein (	-31.7054	-36.6213	0.187513	0.918645	BH
PITG_15573	Pi cytochrome b ascorbate-depend	-31.7193	-36.5935	0.187513	0.918645	BH
PITG_17091	Pi histone chaperone ASF1-like pro	-31.7275	-36.5771	0.187513	0.918645	BH
PITG_18037	Pi ubiquitin family protein, putativ	-31.7229	-36.5864	0.187513	0.918645	BH
PITG_21012	Pi conserved hypothetical protein (	-31.7012	-36.6297	0.187513	0.918645	BH
PITG_03819	Pi 26S proteasome non-ATPase reg	-31.9032	-36.2257	0.187792	0.918645	BH
PITG_04270	Pi sulfatase-like protein (2505 nt)	-31.8948	-36.2425	0.187792	0.918645	BH
PITG_07968	Pi protein kinase, putative (1581 nt)	-31.8948	-36.2425	0.187792	0.918645	BH
PITG_02735	Pi 2,3-bisphosphoglycerate-depend	-32.0126	-36.0069	0.188077	0.918645	BH
PITG_03005	Pi conserved hypothetical protein (	-31.9719	-36.0883	0.188077	0.918645	BH
PITG_03130	Pi M96 mating-specific protein far	-31.993	-36.0461	0.188077	0.918645	BH
PITG_04603	Pi conserved hypothetical protein (	-32.0226	-35.9868	0.188077	0.918645	BH
PITG_06972	Pi conserved hypothetical protein (	-32.0439	-35.9444	0.188077	0.918645	BH
PITG_07325	Pi conserved hypothetical protein (	-31.9834	-36.0653	0.188077	0.918645	BH
PITG_09862	Pi conserved hypothetical protein (	-32.0126	-36.0069	0.188077	0.918645	BH
PITG_20693	Pi crinkler (CRN) family protein, ps	-31.9834	-36.0653	0.188077	0.918645	BH
PITG_20774	Pi conserved hypothetical protein (	-32.002	-36.0281	0.188077	0.918645	BH
PITG_23048	Pi secreted RxLR effector peptide,	-31.6499	-36.7323	0.188196	0.918645	BH
PITG_01366	Pi conserved hypothetical protein (	-31.7432	-36.5458	0.188826	0.918645	BH
PITG_02627	Pi conserved hypothetical protein (	-31.735	-36.5621	0.188826	0.918645	BH

PITG_04427	Pi conserved hypothetical protein (	-31.7085	-36.6152	0.188826	0.918645	BH
PITG_05154	Pi conserved hypothetical protein (	-31.7432	-36.5458	0.188826	0.918645	BH
PITG_07163	Pi ubiquitin-fold modifier 1 precurs	-31.7081	-36.6159	0.188826	0.918645	BH
PITG_09131	Pi conserved hypothetical protein (	-31.7221	-36.588	0.188826	0.918645	BH
PITG_12912	Pi phosphatidylinositol transfer pro	-31.7291	-36.574	0.188826	0.918645	BH
PITG_13258	Pi Mitochondrial Carrier (MC) Fami	-31.7288	-36.5746	0.188826	0.918645	BH
PITG_15642	Pi conserved hypothetical protein (	-31.7355	-36.561	0.188826	0.918645	BH
PITG_20794	Pi conserved hypothetical protein (	-31.7224	-36.5873	0.188826	0.918645	BH
PITG_12008	Pi hypothetical protein (276 nt)	-31.8623	-36.3076	0.188901	0.918645	BH
PITG_08881	Pi succinyl-CoA ligase beta-chain, n	-12.1316	2.465201	0.189042	0.918645	BH
PITG_01511	Pi conserved hypothetical protein (	-32.0545	-35.9231	0.189231	0.918645	BH
PITG_02582	Pi C2 domain-containing protein, p	-32.0324	-35.9672	0.189231	0.918645	BH
PITG_03864	Pi myotubularin-like protein (4123	-32.0441	-35.944	0.189231	0.918645	BH
PITG_05975	Pi conserved hypothetical protein (	-32.0545	-35.9231	0.189231	0.918645	BH
PITG_07038	Pi serine/threonine-protein phosph	-32.0337	-35.9646	0.189231	0.918645	BH
PITG_07170	Pi conserved hypothetical protein (	-32.0441	-35.944	0.189231	0.918645	BH
PITG_12238	Pi hypothetical protein (1348 nt)	-32.0545	-35.9231	0.189231	0.918645	BH
PITG_13393	Pi RNA-binding protein, putative (1	-32.0136	-36.005	0.189231	0.918645	BH
PITG_19846	Pi conserved hypothetical protein (	-32.0441	-35.944	0.189231	0.918645	BH
PITG_21642	Pi conserved hypothetical protein (	-32.0545	-35.9232	0.189231	0.918645	BH
PITG_22577	Pi conserved hypothetical protein (	-32.0221	-35.9879	0.189231	0.918645	BH
PITG_15476	Pi malate dehydrogenase (1245 nt)	-11.5398	-1.81019	0.189278	0.918645	BH
PITG_17838	Pi PexRD8 family secreted RxLR eff	-12.1767	-1.81573	0.18994	0.918645	BH
PITG_01664	Pi conserved hypothetical protein (	-31.7139	-36.6044	0.190143	0.918645	BH
PITG_03369	Pi conserved hypothetical protein (	-31.7347	-36.5626	0.190143	0.918645	BH
PITG_09907	Pi arabinogalactan endo-1,4-beta-g	-31.7299	-36.5724	0.190143	0.918645	BH
PITG_10905	Pi conserved hypothetical protein (	-31.7158	-36.6005	0.190143	0.918645	BH
PITG_21049	Pi conserved hypothetical protein (	-31.6936	-36.645	0.190143	0.918645	BH
PITG_20681	Pi ATP-binding Cassette (ABC) supe	-31.8279	-36.3763	0.190302	0.918645	BH
PITG_03814	Pi D-cysteine desulfhydrase, putati	-32.0555	-35.9212	0.190391	0.918645	BH
PITG_06659	Pi conserved hypothetical protein (	-31.9749	-36.0823	0.190391	0.918645	BH
PITG_06828	Pi trehalose-phosphatase, putative	-32.0555	-35.9212	0.190391	0.918645	BH
PITG_10502	Pi conserved hypothetical protein (	-32.0429	-35.9464	0.190391	0.918645	BH
PITG_11536	Pi conserved hypothetical protein (	-31.994	-36.0441	0.190391	0.918645	BH
PITG_12439	Pi conserved hypothetical protein (	-31.9805	-36.0711	0.190391	0.918645	BH
PITG_17769	Pi conserved hypothetical protein (	-32.0037	-36.0247	0.190391	0.918645	BH
PITG_18288	Pi endoribonuclease L-PSP, putativ	-31.994	-36.0441	0.190391	0.918645	BH
PITG_00593	Pi monooxygenase, putative (665 r	-13.4496	-2.18349	0.190674	0.918645	BH
PITG_04908	Pi conserved hypothetical protein (	-13.4645	-2.15365	0.190674	0.918645	BH
PITG_06690	Pi conserved hypothetical protein (	-13.4469	-2.18881	0.190674	0.918645	BH
PITG_22657	Pi elongation factor 1-alpha, putati	-9.12905	2.545324	0.190805	0.918645	BH
PITG_08601	Pi conserved hypothetical protein (	-12.7025	-1.82453	0.191379	0.918645	BH
PITG_00406	Pi conserved hypothetical protein (	-31.7057	-36.6207	0.191466	0.918645	BH
PITG_04534	Pi vacuolar protein sorting-associa	-31.6992	-36.6337	0.191466	0.918645	BH
PITG_04570	Pi conserved hypothetical protein (	-31.7108	-36.6105	0.191466	0.918645	BH
PITG_08736	Pi conserved hypothetical protein (	-31.724	-36.5841	0.191466	0.918645	BH
PITG_10995	Pi conserved hypothetical protein (	-31.7476	-36.5368	0.191466	0.918645	BH

PITG_12574	Pi Rab2 family GTPase, putative (69	-31.7057	-36.6207	0.191466	0.918645	BH
PITG_01810	Pi Drug/Metabolite Transporter (D	-32.0246	-35.983	0.191555	0.918645	BH
PITG_02156	Pi conserved hypothetical protein (	-32.0451	-35.942	0.191555	0.918645	BH
PITG_04011	Pi tetraacyldisaccharide 4'-kinase,	-32.0246	-35.983	0.191555	0.918645	BH
PITG_05861	Pi conserved hypothetical protein (	-32.0246	-35.983	0.191555	0.918645	BH
PITG_09378	Pi conserved hypothetical protein (	-32.0451	-35.942	0.191555	0.918645	BH
PITG_15738	Pi conserved hypothetical protein (	-32.0246	-35.983	0.191555	0.918645	BH
PITG_19966	Pi carbohydrate-binding protein, pi	-32.0451	-35.942	0.191555	0.918645	BH
PITG_21706	Pi conserved hypothetical protein (	-32.0451	-35.942	0.191555	0.918645	BH
PITG_17717	Pi nuclear migration protein nudC,	-13.454	-2.17587	0.192304	0.918645	BH
PITG_04396	Pi conserved hypothetical protein (	-31.657	-36.7181	0.192377	0.918645	BH
PITG_00218	Pi ATP-binding Cassette (ABC) Sup	-31.6392	-36.7537	0.192377	0.918645	BH
PITG_10942	Pi conserved hypothetical protein (	-11.8119	-1.83824	0.192591	0.918645	BH
PITG_04067	Pi conserved hypothetical protein (	-31.9854	-36.0614	0.192725	0.918645	BH
PITG_05669	Pi conserved hypothetical protein (	-31.9854	-36.0614	0.192725	0.918645	BH
PITG_11090	Pi conserved hypothetical protein (	-32.0047	-36.0226	0.192725	0.918645	BH
PITG_12938	Pi conserved hypothetical protein (	-31.9854	-36.0614	0.192725	0.918645	BH
PITG_18174	Pi cleavage induced hypothetical p	-31.995	-36.0421	0.192725	0.918645	BH
PITG_19142	Pi alkylated DNA repair protein alk	-31.9892	-36.0537	0.192725	0.918645	BH
PITG_01155	Pi conserved hypothetical protein (	-31.7468	-36.5385	0.192793	0.918645	BH
PITG_04034	Pi SUMO protease, putative (3312	-31.7399	-36.5523	0.192793	0.918645	BH
PITG_12191	Pi conserved hypothetical protein (	-31.7044	-36.6234	0.192793	0.918645	BH
PITG_12604	Pi hypothetical protein (2702 nt)	-31.7116	-36.6089	0.192793	0.918645	BH
PITG_00939	Pi conserved hypothetical protein (	-31.9494	-36.1333	0.192955	0.918645	BH
PITG_17382	Pi hypothetical protein (1380 nt)	-31.976	-36.0802	0.193899	0.918645	BH
PITG_08780	Pi Sulfate Permease (SulP) Family (	-32.0461	-35.94	0.193899	0.918645	BH
PITG_13097	Pi conserved hypothetical protein (	-31.999	-36.0341	0.193899	0.918645	BH
PITG_15973	Pi conserved hypothetical protein (	-32.0201	-35.992	0.193899	0.918645	BH
PITG_16085	Pi conserved hypothetical protein (	-31.999	-36.0341	0.193899	0.918645	BH
PITG_05615	Pi pyrophosphate-energized vacuo	-10.0006	2.443269	0.194042	0.918645	BH
PITG_03862	Pi conserved hypothetical protein (	-31.7107	-36.6108	0.194126	0.918645	BH
PITG_06890	Pi peptidase, putative (1581 nt)	-31.7458	-36.5404	0.194126	0.918645	BH
PITG_11133	Pi conserved hypothetical protein (	-31.7323	-36.5675	0.194126	0.918645	BH
PITG_12915	Pi sorting nexin, putative (1759 nt)	-31.739	-36.554	0.194126	0.918645	BH
PITG_19198	Pi conserved hypothetical protein (	-31.6987	-36.6347	0.194126	0.918645	BH
PITG_07400	Pi 2,3-bisphosphoglycerate-depend	-11.7781	-1.92792	0.194458	0.918645	BH
PITG_00381	Pi serine protease family S54, puta	-31.9784	-36.0752	0.195079	0.918645	BH
PITG_01233	Pi transmembrane protein, putativ	-32.0058	-36.0206	0.195079	0.918645	BH
PITG_01728	Pi conserved hypothetical protein (	-32.0257	-35.9808	0.195079	0.918645	BH
PITG_04665	Pi ribose-5-phosphate isomerase (}	-32.0303	-35.9715	0.195079	0.918645	BH
PITG_09795	Pi conserved hypothetical protein (	-32.0089	-36.0143	0.195079	0.918645	BH
PITG_11425	Pi transcriptional repressor TUP1-li	-32.0257	-35.9808	0.195079	0.918645	BH
PITG_14198	Pi pre-mRNA-splicing factor 38B, pi	-32.0257	-35.9808	0.195079	0.918645	BH
PITG_18738	Pi hypothetical protein (906 nt)	-32.0257	-35.9808	0.195079	0.918645	BH
PITG_21504	Pi cyclin-dependent kinase, putativ	-32.0408	-35.9506	0.195079	0.918645	BH
PITG_03642	Pi conserved hypothetical protein (	-31.7125	-36.6072	0.195463	0.918645	BH
PITG_15831	Pi 5-formyltetrahydrofolate cyclo-l	-31.719	-36.5941	0.195463	0.918645	BH

PITG_17952	Pi Major Facilitator Superfamily (M	-31.7467	-36.5388	0.195463	0.918645	BH
PITG_06358	Pi callose synthase, putative (7335	-31.9218	-36.1886	0.195575	0.918645	BH
PITG_02124	Pi protein kinase, putative (2883 nt	-31.977	-36.0781	0.196264	0.918645	BH
PITG_05502	Pi calcineurin-like phosphoesterase	-31.9961	-36.0399	0.196264	0.918645	BH
PITG_06895	Pi conserved hypothetical protein (	-31.977	-36.0781	0.196264	0.918645	BH
PITG_09621	Pi protein kinase (721 nt)	-31.9961	-36.0399	0.196264	0.918645	BH
PITG_14276	Pi conserved hypothetical protein (	-31.9961	-36.0399	0.196264	0.918645	BH
PITG_16081	Pi hypothetical protein (3123 nt)	-31.9881	-36.056	0.196264	0.918645	BH
PITG_02428	Pi 15-hydroxyprostaglandin dehydr	-31.7265	-36.5792	0.196806	0.918645	BH
PITG_21377	Pi conserved hypothetical protein (	-31.7133	-36.6055	0.196806	0.918645	BH
PITG_01139	Pi conserved hypothetical protein (	-32.0369	-35.9583	0.197454	0.918645	BH
PITG_10083	Pi chromodomain protein, putative	-32.0267	-35.9787	0.197454	0.918645	BH
PITG_10124	Pi Drug/Metabolite Transporter (D	-32.0292	-35.9737	0.197454	0.918645	BH
PITG_10683	Pi conserved hypothetical protein (	-32.0472	-35.9377	0.197454	0.918645	BH
PITG_19046	Pi hypothetical protein (2029 nt)	-32.0267	-35.9787	0.197454	0.918645	BH
PITG_22541	Pi 60S ribosomal export protein NM	-31.9774	-36.0774	0.197454	0.918645	BH
PITG_22827	Pi Crinkler (CRN) family protein, ps	-31.9774	-36.0774	0.197454	0.918645	BH
PITG_17539	Pi crinkler (CRN) family protein, pu	-11.293	-1.8719	0.197897	0.918645	BH
PITG_02470	Pi conserved hypothetical protein (	-31.734	-36.5641	0.198153	0.918645	BH
PITG_05748	Pi conserved hypothetical protein (	-31.7207	-36.5908	0.198153	0.918645	BH
PITG_09452	Pi MMP37-like protein (895 nt)	-31.7273	-36.5775	0.198153	0.918645	BH
PITG_13159	Pi conserved hypothetical protein (	-31.7273	-36.5775	0.198153	0.918645	BH
PITG_03738	Pi 2-isopropylmalate synthase (202	-12.7084	-1.82024	0.198358	0.918645	BH
PITG_09828	Pi U6 snRNA-associated Sm-like pro	-12.1254	-1.97042	0.198631	0.918645	BH
PITG_10442	Pi conserved hypothetical protein (	-32.0168	-35.9986	0.198649	0.918645	BH
PITG_11702	Pi conserved hypothetical protein (	-32.0168	-35.9986	0.198649	0.918645	BH
PITG_13544	Pi conserved hypothetical protein (	-32.0619	-35.9082	0.198649	0.918645	BH
PITG_14641	Pi glutathione peroxidase, putative	-32.0619	-35.9082	0.198649	0.918645	BH
PITG_15649	Pi Mitochondrial Carrier (MC) Fami	-32.0396	-35.9529	0.198649	0.918645	BH
PITG_19247	Pi atlastin-like protein (2044 nt)	-32.0069	-36.0183	0.198649	0.918645	BH
PITG_03988	Pi conserved hypothetical protein (	-31.7016	-36.6289	0.199506	0.918645	BH
PITG_04435	Pi Crinkler (CRN) family protein (25	-31.7222	-36.5877	0.199506	0.918645	BH
PITG_04682	Pi protein kinase, putative (2628 nt	-31.7141	-36.6038	0.199506	0.918645	BH
PITG_20193	Pi Rab5 family GTPase, putative (8	-12.6754	-1.90944	0.199644	0.918645	BH
PITG_09588	Pi conserved hypothetical protein (	-32.0178	-35.9965	0.199849	0.918645	BH
PITG_02977	Pi conserved hypothetical protein (	-31.6943	-36.6435	0.200864	0.918645	BH
PITG_07298	Pi protein kinase (2197 nt)	-32.028	-35.976	0.201055	0.918645	BH
PITG_19054	Pi peroxisomal multifunctional enz	-31.6957	-36.6408	0.202227	0.918645	BH
PITG_15985	Pi hypothetical protein (1063 nt)	-31.9477	-36.1366	0.202239	0.918645	BH
PITG_02363	Pi conserved hypothetical protein (	-32.028	-35.9762	0.202266	0.918645	BH
PITG_08729	Pi conserved hypothetical protein (	-32.028	-35.9762	0.202266	0.918645	BH
PITG_16478	Pi acyl-CoA dehydrogenase, putativ	-32.028	-35.9762	0.202266	0.918645	BH
PITG_19863	Pi conserved hypothetical protein (	-32.0066	-36.0189	0.202266	0.918645	BH
PITG_01495	Pi ribonuclease, putative (726 nt)	-31.9793	-36.0736	0.203482	0.918645	BH
PITG_08898	Pi protein kinase, putative (2098 nt	-31.9793	-36.0736	0.203482	0.918645	BH
PITG_10687	Pi conserved hypothetical protein (	-31.9984	-36.0354	0.203482	0.918645	BH
PITG_10796	Pi conserved hypothetical protein (	-32.0166	-35.9989	0.203482	0.918645	BH

PITG_12819	Pi carbohydrate esterase, putative	-31.9857	-36.0606	0.203482	0.918645	BH
PITG_18409	Pi conserved hypothetical protein (	-31.9888	-36.0546	0.203482	0.918645	BH
PITG_01539	Pi hypothetical protein (1499 nt)	-31.7159	-36.6004	0.203595	0.918645	BH
PITG_03658	Pi phosphoglycerate mutase, putat	-31.6934	-36.6453	0.203595	0.918645	BH
PITG_13672	Pi conserved hypothetical protein (	-31.7138	-36.6045	0.203595	0.918645	BH
PITG_16429	Pi conserved hypothetical protein (	-13.4494	-2.19361	0.203842	0.918645	BH
PITG_22064	Pi conserved hypothetical protein (	-9.57669	-1.9627	0.204477	0.918645	BH
PITG_07115	Pi ATP-binding Cassette (ABC) Sup	-31.97	-36.0922	0.204703	0.918645	BH
PITG_07727	Pi conserved hypothetical protein (	-31.97	-36.0922	0.204703	0.918645	BH
PITG_01186	Pi lipase, putative (1775 nt)	-31.9409	-36.1503	0.204952	0.918645	BH
PITG_00979	Pi conserved hypothetical protein (	-31.6966	-36.639	0.204968	0.918645	BH
PITG_01410	Pi conserved hypothetical protein (	-31.6902	-36.6517	0.204968	0.918645	BH
PITG_19422	Pi hypothetical protein (2352 nt)	-31.6902	-36.6517	0.204968	0.918645	BH
PITG_15321	Pi aminomethyltransferase (1298 r	-14.1462	2.828001	0.205241	0.918645	BH
PITG_07243	Pi conserved hypothetical protein (	-32.0393	-35.9535	0.20593	0.918645	BH
PITG_08425	Pi endothelin-converting enzyme 1	-32.0292	-35.9738	0.20593	0.918645	BH
PITG_08453	Pi conserved hypothetical protein (	-32.0496	-35.9328	0.20593	0.918645	BH
PITG_13758	Pi conserved hypothetical protein (	-32.0496	-35.9328	0.20593	0.918645	BH
PITG_16207	Pi pre-mRNA-splicing helicase BRR	-32.0496	-35.9328	0.20593	0.918645	BH
PITG_19402	Pi conserved hypothetical protein (	-32.0292	-35.9738	0.20593	0.918645	BH
PITG_07792	Pi ATP synthase subunit delta', put	-10.6249	2.325484	0.207003	0.918645	BH
PITG_07055	Pi ribosomal protein S6 kinase, put	-32.0192	-35.9937	0.207162	0.918645	BH
PITG_15502	Pi conserved hypothetical protein (	-32.0192	-35.9937	0.207162	0.918645	BH
PITG_12578	Pi acyl-CoA desaturase 1 (1264 nt)	-13.4911	-2.10035	0.207653	0.918645	BH
PITG_01222	Pi Drug/Metabolite Transporter (D	-31.9064	-36.2194	0.207691	0.918645	BH
PITG_16852	Pi hypothetical protein (297 nt)	-31.8896	-36.2529	0.207691	0.918645	BH
PITG_17599	Pi poly [ADP-ribose] polymerase, p	-31.9064	-36.2194	0.207691	0.918645	BH
PITG_02241	Pi conserved hypothetical protein (	-31.7103	-36.6115	0.207729	0.918645	BH
PITG_02971	Pi conserved hypothetical protein (	-31.7103	-36.6115	0.207729	0.918645	BH
PITG_03924	Pi alcohol dehydrogenase, putative	-31.7103	-36.6115	0.207729	0.918645	BH
PITG_08595	Pi conserved hypothetical protein (	-31.6989	-36.6343	0.207729	0.918645	BH
PITG_13277	Pi conserved hypothetical protein (	-31.6974	-36.6372	0.207729	0.918645	BH
PITG_16322	Pi conserved hypothetical protein (	-31.6974	-36.6372	0.207729	0.918645	BH
PITG_09144	Pi conserved hypothetical protein (	-31.9805	-36.0711	0.208399	0.918645	BH
PITG_20589	Pi cathepsin, cysteine protease fan	-13.484	-2.11585	0.209316	0.918645	BH
PITG_01846	Pi actin-related protein 2/3 comple	-13.6231	-1.83635	0.209896	0.918645	BH
PITG_09428	Pi conserved hypothetical protein (	-12.7418	-1.7423	0.210209	0.918645	BH
PITG_03616	Pi conserved hypothetical protein (	-31.6983	-36.6354	0.210511	0.918645	BH
PITG_01770	Pi leukocyte receptor cluster meml	-32.051	-35.9302	0.21089	0.918645	BH
PITG_13005	Pi solute carrier family 2, facilitate	-32.0581	-35.9159	0.21089	0.918645	BH
PITG_22431	Pi conserved hypothetical protein (	-32.051	-35.9302	0.21089	0.918645	BH
PITG_20388	Pi conserved hypothetical protein (	-13.4901	-2.10489	0.210982	0.918645	BH
PITG_03802	Pi eukaryotic translation initiation	-13.5731	-1.95231	0.211278	0.918645	BH
PITG_19361	Pi myb-like DNA-binding protein, p	-13.4098	-2.29055	0.211687	0.918645	BH
PITG_04868	Pi ADP/ATP translocase, putative (	-9.9114	2.364817	0.211752	0.918645	BH
PITG_00879	Pi 60S ribosomal protein L30, putat	-31.996	-36.0401	0.211851	0.918645	BH
PITG_16684	Pi transmembrane protein, putativ	-31.9862	-36.0597	0.211851	0.918645	BH

PITG_17508	Pi glucosylceramidase, putative (15	-31.9789	-36.0744	0.211851	0.918645	BH
PITG_21037	Pi conserved hypothetical protein (	-31.9789	-36.0744	0.211851	0.918645	BH
PITG_01064	Pi conserved hypothetical protein (	-11.8024	-1.88935	0.21186	0.918645	BH
PITG_01814	Pi conserved hypothetical protein (	-32.0205	-35.9911	0.212144	0.918645	BH
PITG_01923	Pi conserved hypothetical protein (	-32.0205	-35.9911	0.212144	0.918645	BH
PITG_10149	Pi mannosyl-oligosaccharide 1,2-al	-32.0357	-35.9607	0.212144	0.918645	BH
PITG_11666	Pi transmembrane protein, putativ	-32.0407	-35.9507	0.212144	0.918645	BH
PITG_05240	Pi casein kinase, putative (1301 nt)	-11.8909	-1.65341	0.2129	0.918645	BH
PITG_02607	Pi peroxisomal multifunctional enz	-13.6124	-1.86022	0.21313	0.918645	BH
PITG_00029	Pi aminoacylase-1, putative (1617	-32.0107	-36.0107	0.213403	0.918645	BH
PITG_01015	Pi protein kinase, putative, pseudo	-31.9913	-36.0495	0.213403	0.918645	BH
PITG_06471	Pi conserved hypothetical protein (	-32.0107	-36.0107	0.213403	0.918645	BH
PITG_16969	Pi conserved oligomeric Golgi com	-32.0107	-36.0107	0.213403	0.918645	BH
PITG_12824	Pi glutamate carboxypeptidase, pu	-31.9266	-36.1789	0.214659	0.918645	BH
PITG_01654	Pi Delta(5) fatty acid desaturase, p	-14.8214	3.446642	0.214667	0.918645	BH
PITG_04725	Pi conserved hypothetical protein (	-31.9819	-36.0683	0.214667	0.918645	BH
PITG_20465	Pi fructokinase, putative (1073 nt)	-11.4348	2.187352	0.215423	0.918645	BH
PITG_00219	Pi glucan 1,3-beta-glucosidase, put	-12.2652	-1.66335	0.21563	0.918645	BH
PITG_19993	Pi GMP synthase [glutamine-hydro	-14.7106	3.222772	0.215937	0.918645	BH
PITG_04884	Pi conserved hypothetical protein (	-32.0524	-35.9273	0.217213	0.918645	BH
PITG_11243	Pi hypothetical protein (1247 nt)	-32.0026	-36.027	0.217213	0.918645	BH
PITG_16958	Pi transglutaminase elicitor-like pro	-13.1432	2.23152	0.21761	0.918645	BH
PITG_03012	Pi conserved hypothetical protein (	-11.1654	-1.69831	0.217743	0.918645	BH
PITG_20746	Pi protein enhancer of rudimentary	-11.8965	-1.63962	0.217758	0.918645	BH
PITG_18718	Pi GTP-binding nuclear protein spi1	-11.2183	1.715852	0.218148	0.918645	BH
PITG_16135	Pi conserved hypothetical protein (	-14.9421	3.681368	0.218494	0.918645	BH
PITG_18541	Pi conserved hypothetical protein (	-32.032	-35.9681	0.218494	0.918645	BH
PITG_22718	Pi conserved hypothetical protein (	-32.0422	-35.9478	0.218494	0.918645	BH
PITG_13750	Pi conserved hypothetical protein (	-13.6249	-1.84017	0.219648	0.918645	BH
PITG_11753	Pi conserved hypothetical protein (	-32.0121	-36.0078	0.21978	0.918645	BH
PITG_18378	Pi conserved hypothetical protein (	-32.022	-35.988	0.21978	0.918645	BH
PITG_20216	Pi hypothetical protein (533 nt)	-32.022	-35.988	0.21978	0.918645	BH
PITG_22816	Pi secreted RxLR effector peptide,	-14.7581	3.311014	0.21978	0.918645	BH
PITG_08660	Pi conserved hypothetical protein (	-13.4622	-2.18056	0.220715	0.918645	BH
PITG_02563	Pi conserved hypothetical protein (	-31.9833	-36.0655	0.221072	0.918645	BH
PITG_16268	Pi conserved hypothetical protein (	-32.0672	-35.8977	0.221072	0.918645	BH
PITG_18165	Pi conserved hypothetical protein (	-9.19797	-2.00166	0.221324	0.918645	BH
PITG_20775	Pi adenylate kinase, putative (1847	-13.2209	2.402319	0.222276	0.918645	BH
PITG_04384	Pi ribosome biogenesis regulatory	-31.7524	-36.5272	0.222799	0.918645	BH
PITG_07866	Pi thiamin pyrophosphokinase, put	-31.7618	-36.5085	0.222799	0.918645	BH
PITG_10723	Pi conserved hypothetical protein (	-31.7681	-36.496	0.222799	0.918645	BH
PITG_10895	Pi conserved hypothetical protein (	-31.7578	-36.5164	0.222799	0.918645	BH
PITG_13980	Pi ARP2/3 complex 20 kDa subunit	-31.7689	-36.4944	0.222799	0.918645	BH
PITG_15820	Pi conserved hypothetical protein (	-31.7626	-36.5069	0.222799	0.918645	BH
PITG_17136	Pi Rab8 family GTPase, putative (10	-31.7673	-36.4976	0.222799	0.918645	BH
PITG_17359	Pi calcium/calmodulin-dependent	-31.7673	-36.4976	0.222799	0.918645	BH
PITG_21880	Pi conserved hypothetical protein (	-31.754	-36.5241	0.222799	0.918645	BH

PITG_03784	Pi conserved hypothetical protein (	-13.5858	-1.93592	0.222866	0.918645	BH
PITG_03574	Pi serine/threonine-protein phosph	-13.6274	-1.83748	0.222931	0.918645	BH
PITG_00067	Pi conserved hypothetical protein (	-31.7649	-36.5023	0.224149	0.918645	BH
PITG_06948	Pi ubiquitin-conjugating enzyme E2	-31.7564	-36.5193	0.224149	0.918645	BH
PITG_09653	Pi U6 snRNA-associated Sm-like pro	-31.7641	-36.5039	0.224149	0.918645	BH
PITG_03711	Pi serine/threonine-protein phosph	-13.6164	-1.86071	0.224579	0.918645	BH
PITG_00074	Pi conserved hypothetical protein (	-11.3966	2.210241	0.224902	0.918645	BH
PITG_09593	Pi conserved hypothetical protein (	-31.7562	-36.5196	0.225504	0.918645	BH
PITG_19636	Pi polygalacturonase, putative (474	-32.0541	-35.9239	0.226297	0.918645	BH
PITG_13116	Pi triosephosphate isomerase (857	-13.5248	-2.03312	0.226624	0.918645	BH
PITG_01516	Pi conserved hypothetical protein (	-31.7511	-36.53	0.226863	0.918645	BH
PITG_07949	Pi alpha-tubulin, putative (1407 nt)	-32.0236	-35.9849	0.227618	0.918645	BH
PITG_14716	Pi conserved hypothetical protein (	-32.0236	-35.9849	0.227618	0.918645	BH
PITG_21042	Pi conserved hypothetical protein (	-32.0337	-35.9648	0.227618	0.918645	BH
PITG_07924	Pi Drug/Metabolite Transporter (D	-31.7519	-36.5283	0.228226	0.918645	BH
PITG_01043	Pi 3-phosphoinositide-dependent p	-13.5014	-2.08112	0.228314	0.918645	BH
PITG_06242	Pi conserved hypothetical protein (	-13.5056	-2.07272	0.228314	0.918645	BH
PITG_04584	Pi conserved hypothetical protein (	-32.0655	-35.9011	0.228944	0.918645	BH
PITG_05263	Pi guanine deaminase, putative (14	-31.9897	-36.0526	0.228944	0.918645	BH
PITG_05463	Pi HECT E3 ubiquitin ligase, putativ	-32.0655	-35.9011	0.228944	0.918645	BH
PITG_09436	Pi conserved hypothetical protein (	-12.3185	-1.541	0.229333	0.918645	BH
PITG_12670	Pi conserved hypothetical protein (	-12.3079	-1.56224	0.229333	0.918645	BH
PITG_13177	Pi elongation of very long chain fat	-13.4913	-2.11605	0.22958	0.918645	BH
PITG_03462	Pi cysteine protease family C26, pu	-32.1531	-35.7259	0.231292	0.918645	BH
PITG_00166	Pi phosphoserine phosphatase (11)	-32.0607	-35.9107	0.231292	0.918645	BH
PITG_00174	Pi hypothetical protein (348 nt)	-32.0816	-35.8688	0.231292	0.918645	BH
PITG_00396	Pi aspartyl protease family A01B, p	-32.1274	-35.7773	0.231292	0.918645	BH
PITG_00954	Pi conserved hypothetical protein (	-32.1157	-35.8007	0.231292	0.918645	BH
PITG_01073	Pi conserved hypothetical protein (	-32.1066	-35.8188	0.231292	0.918645	BH
PITG_01171	Pi signal recognition particle, putat	-32.0842	-35.8638	0.231292	0.918645	BH
PITG_01272	Pi lysosomal acid lipase/cholestery	-32.1066	-35.8188	0.231292	0.918645	BH
PITG_01549	Pi succinate semialdehyde dehydr	-32.0825	-35.8672	0.231292	0.918645	BH
PITG_01581	Pi mitotic spindle checkpoint comp	-32.059	-35.9141	0.231292	0.918645	BH
PITG_01798	Pi conserved hypothetical protein (	-32.0598	-35.9124	0.231292	0.918645	BH
PITG_01871	Pi protein kinase, putative (2817 nt)	-32.0698	-35.8925	0.231292	0.918645	BH
PITG_02071	Pi protein kinase, putative (1360 nt)	-32.1066	-35.8188	0.231292	0.918645	BH
PITG_02105	Pi uracil phosphoribosyltransferase	-32.1165	-35.7991	0.231292	0.918645	BH
PITG_02143	Pi myb-like DNA-binding protein, p	-32.0953	-35.8415	0.231292	0.918645	BH
PITG_02337	Pi exonuclease, putative (1389 nt)	-32.1299	-35.7723	0.231292	0.918645	BH
PITG_02338	Pi conserved hypothetical protein (	-32.0953	-35.8415	0.231292	0.918645	BH
PITG_02415	Pi conserved hypothetical protein (	-32.0715	-35.8891	0.231292	0.918645	BH
PITG_02497	Pi HECT E3 ubiquitin ligase, putativ	-32.0945	-35.8432	0.231292	0.918645	BH
PITG_02580	Pi conserved hypothetical protein (	-32.1058	-35.8205	0.231292	0.918645	BH
PITG_02591	Pi conserved hypothetical protein (	-32.0816	-35.8688	0.231292	0.918645	BH
PITG_02672	Pi ATP-dependent protease hslV (8	-32.1058	-35.8205	0.231292	0.918645	BH
PITG_03445	Pi Holliday junction ATP-dependen	-32.1539	-35.7242	0.231292	0.918645	BH
PITG_03832	Pi mitochondrial Rho GTPase, puta	-32.1402	-35.7518	0.231292	0.918645	BH



PITG_03865	Pi conserved hypothetical protein (	-32.1157	-35.8007	0.231292	0.918645	BH
PITG_03939	Pi conserved hypothetical protein (	-32.1157	-35.8007	0.231292	0.918645	BH
PITG_03958	Pi hypothetical protein (337 nt)	-32.0581	-35.9158	0.231292	0.918645	BH
PITG_04395	Pi pre-mRNA-processing protein, p	-32.0833	-35.8655	0.231292	0.918645	BH
PITG_05007	Pi glutaminyl-tRNA synthetase, put	-32.1157	-35.8007	0.231292	0.918645	BH
PITG_05170	Pi serine protease family S09X, put	-32.092	-35.8482	0.231292	0.918645	BH
PITG_05326	Pi Poly(A) polymerase, putative (34	-32.1402	-35.7518	0.231292	0.918645	BH
PITG_05508	Pi polycomb protein, putative (267	-32.0825	-35.8672	0.231292	0.918645	BH
PITG_05818	Pi conserved hypothetical protein (	-32.105	-35.8222	0.231292	0.918645	BH
PITG_06921	Pi conserved hypothetical protein (	-32.0615	-35.909	0.231292	0.918645	BH
PITG_06966	Pi conserved hypothetical protein (	-32.1539	-35.7242	0.231292	0.918645	BH
PITG_06980	Pi conserved hypothetical protein (	-32.1418	-35.7485	0.231292	0.918645	BH
PITG_07102	Pi conserved hypothetical protein (	-32.1041	-35.8238	0.231292	0.918645	BH
PITG_07111	Pi conserved hypothetical protein (	-32.1182	-35.7958	0.231292	0.918645	BH
PITG_07826	Pi hypothetical protein (464 nt)	-32.1299	-35.7723	0.231292	0.918645	BH
PITG_08366	Pi parafibromin-like protein (1596	-32.1173	-35.7974	0.231292	0.918645	BH
PITG_08609	Pi endomembrane protein 70-like	-32.1282	-35.7756	0.231292	0.918645	BH
PITG_09827	Pi mitotic checkpoint protein, puta	-32.0825	-35.8672	0.231292	0.918645	BH
PITG_09940	Pi conserved hypothetical protein (	-32.1157	-35.8007	0.231292	0.918645	BH
PITG_11387	Pi conserved hypothetical protein (	-32.1291	-35.774	0.231292	0.918645	BH
PITG_11430	Pi conserved hypothetical protein (	-32.1182	-35.7958	0.231292	0.918645	BH
PITG_11708	Pi conserved hypothetical protein (	-32.0698	-35.8925	0.231292	0.918645	BH
PITG_13620	Pi conserved hypothetical protein (	-32.1539	-35.7242	0.231292	0.918645	BH
PITG_13622	Pi conserved hypothetical protein (	-32.059	-35.9141	0.231292	0.918645	BH
PITG_14728	Pi conserved hypothetical protein (	-32.1066	-35.8188	0.231292	0.918645	BH
PITG_15774	Pi protein kinase (901 nt)	-32.0816	-35.8688	0.231292	0.918645	BH
PITG_16208	Pi conserved hypothetical protein (	-32.092	-35.8482	0.231292	0.918645	BH
PITG_16335	Pi conserved hypothetical protein (	-32.0816	-35.8688	0.231292	0.918645	BH
PITG_17049	Pi ATP-binding Cassette (ABC) Supe	-32.141	-35.7501	0.231292	0.918645	BH
PITG_17334	Pi conserved hypothetical protein (	-32.1523	-35.7275	0.231292	0.918645	BH
PITG_17679	Pi M96 mating-specific protein far	-32.1157	-35.8007	0.231292	0.918645	BH
PITG_17706	Pi conserved hypothetical protein (	-32.0598	-35.9124	0.231292	0.918645	BH
PITG_17958	Pi heme/steroid binding domain-cc	-32.0715	-35.8891	0.231292	0.918645	BH
PITG_18038	Pi conserved hypothetical protein (	-32.1418	-35.7485	0.231292	0.918645	BH
PITG_18274	Pi serine protease, putative (3261	-32.1418	-35.7485	0.231292	0.918645	BH
PITG_18384	Pi conserved hypothetical protein (	-32.1539	-35.7242	0.231292	0.918645	BH
PITG_18943	Pi conserved hypothetical protein (	-32.1182	-35.7958	0.231292	0.918645	BH
PITG_20999	Pi conserved hypothetical protein (	-32.1523	-35.7275	0.231292	0.918645	BH
PITG_04996	Pi conserved hypothetical protein (	-13.5014	-2.08337	0.231705	0.918645	BH
PITG_08594	Pi conserved hypothetical protein (	-13.5014	-2.08337	0.231705	0.918645	BH
PITG_00292	Pi hypothetical protein (493 nt)	-32.1393	-35.7534	0.232458	0.918645	BH
PITG_00683	Pi conserved hypothetical protein (	-32.1075	-35.8171	0.232458	0.918645	BH
PITG_00965	Pi conserved hypothetical protein (	-32.0911	-35.8499	0.232458	0.918645	BH
PITG_01282	Pi conserved hypothetical protein (	-32.0741	-35.884	0.232458	0.918645	BH
PITG_01437	Pi mediator of RNA polymerase II t	-32.0799	-35.8723	0.232458	0.918645	BH
PITG_01744	Pi conserved hypothetical protein (	-32.1307	-35.7707	0.232458	0.918645	BH
PITG_02203	Pi conserved hypothetical protein (	-32.1515	-35.7291	0.232458	0.918645	BH

PITG_02319	Pi hypothetical protein (3391 nt)	-32.1393	-35.7534	0.232458	0.918645	BH
PITG_03199	Pi ubiquitin-conjugating enzyme E2	-32.0911	-35.8499	0.232458	0.918645	BH
PITG_03246	Pi conserved hypothetical protein (	-32.1426	-35.7468	0.232458	0.918645	BH
PITG_03355	Pi conserved hypothetical protein (	-32.1385	-35.7551	0.232458	0.918645	BH
PITG_03703	Pi conserved hypothetical protein (	-32.0732	-35.8857	0.232458	0.918645	BH
PITG_04596	Pi hypothetical protein (3211 nt)	-32.0681	-35.896	0.232458	0.918645	BH
PITG_05287	Pi conserved hypothetical protein (	-32.1426	-35.7468	0.232458	0.918645	BH
PITG_06602	Pi conserved hypothetical protein (	-32.119	-35.7941	0.232458	0.918645	BH
PITG_07110	Pi cleavage and polyadenylation sp	-32.0962	-35.8398	0.232458	0.918645	BH
PITG_08454	Pi conserved hypothetical protein (	-32.0962	-35.8398	0.232458	0.918645	BH
PITG_09898	Pi ras-like protein (1232 nt)	-32.085	-35.8621	0.232458	0.918645	BH
PITG_10821	Pi ubiquitin-specific protease, puta	-32.0911	-35.8499	0.232458	0.918645	BH
PITG_10932	Pi dipeptidyl peptidase, putative (2	-32.1148	-35.8025	0.232458	0.918645	BH
PITG_11233	Pi conserved hypothetical protein (	-32.1033	-35.8255	0.232458	0.918645	BH
PITG_11405	Pi conserved hypothetical protein (	-32.1307	-35.7707	0.232458	0.918645	BH
PITG_11923	Pi mitochondrial 39-S ribosomal pr	-32.1033	-35.8255	0.232458	0.918645	BH
PITG_12308	Pi conserved hypothetical protein (	-32.1515	-35.7291	0.232458	0.918645	BH
PITG_13783	Pi conserved hypothetical protein (	-32.1426	-35.7468	0.232458	0.918645	BH
PITG_14853	Pi exosome complex exonuclease I	-32.1148	-35.8025	0.232458	0.918645	BH
PITG_14874	Pi 6 snRNA-associated Sm-like prot	-32.0741	-35.884	0.232458	0.918645	BH
PITG_15281	Pi cell differentiation protein rcd1	-32.0962	-35.8398	0.232458	0.918645	BH
PITG_15852	Pi transmembrane protein, putativ	-32.119	-35.7941	0.232458	0.918645	BH
PITG_15885	Pi conserved hypothetical protein (	-32.1075	-35.8171	0.232458	0.918645	BH
PITG_18835	Pi crinkler (CRN) family protein, 5'	-32.0911	-35.8499	0.232458	0.918645	BH
PITG_19654	Pi conserved hypothetical protein (	-32.0741	-35.884	0.232458	0.918645	BH
PITG_21581	Pi conserved hypothetical protein (	-32.085	-35.8621	0.232458	0.918645	BH
PITG_00505	Pi ubiquitin-conjugating enzyme E2	-10.0814	-1.78335	0.233055	0.918645	BH
PITG_00006	Pi hypothetical protein (830 nt)	-32.1084	-35.8154	0.233629	0.918645	BH
PITG_00115	Pi protein kinase, putative (1413 nt)	-32.0859	-35.8603	0.233629	0.918645	BH
PITG_00494	Pi Drug/Metabolite Transporter (D	-32.1199	-35.7924	0.233629	0.918645	BH
PITG_00561	Pi ubiquinone biosynthesis protein	-32.1015	-35.829	0.233629	0.918645	BH
PITG_00626	Pi conserved hypothetical protein (	-32.0902	-35.8517	0.233629	0.918645	BH
PITG_02447	Pi conserved hypothetical protein (	-32.1506	-35.7308	0.233629	0.918645	BH
PITG_02499	Pi conserved hypothetical protein (	-32.1435	-35.7451	0.233629	0.918645	BH
PITG_02827	Pi ras-like GTP-binding protein (189	-32.1435	-35.7451	0.233629	0.918645	BH
PITG_02943	Pi palmitoyltransferase, putative (1	-32.097	-35.838	0.233629	0.918645	BH
PITG_03408	Pi conserved hypothetical protein (	-32.1376	-35.7568	0.233629	0.918645	BH
PITG_03623	Pi conserved hypothetical protein (	-32.0672	-35.8978	0.233629	0.918645	BH
PITG_04658	Pi methylcrotonoyl-CoA carboxylas	-32.0633	-35.9055	0.233629	0.918645	BH
PITG_05412	Pi Ca2 :Cation Antiporter (CaCA) Fa	-32.1084	-35.8154	0.233629	0.918645	BH
PITG_06056	Pi hypothetical protein (2034 nt)	-32.1257	-35.7807	0.233629	0.918645	BH
PITG_06343	Pi N-terminal acetyltransferase cor	-32.1435	-35.7451	0.233629	0.918645	BH
PITG_09241	Pi conserved hypothetical protein (	-32.1084	-35.8154	0.233629	0.918645	BH
PITG_09507	Pi ADP-ribosylation factor-related	-32.1435	-35.7451	0.233629	0.918645	BH
PITG_09702	Pi conserved hypothetical protein (	-32.1084	-35.8154	0.233629	0.918645	BH
PITG_11410	Pi hypothetical protein (1851 nt)	-32.1316	-35.7689	0.233629	0.918645	BH
PITG_11999	Pi conserved hypothetical protein (	-32.0672	-35.8978	0.233629	0.918645	BH

PITG_14363	Pi conserved hypothetical protein (	-32.1257	-35.7807	0.233629	0.918645	BH
PITG_15146	Pi conserved hypothetical protein (	-32.1506	-35.7308	0.233629	0.918645	BH
PITG_15875	Pi conserved hypothetical protein (	-32.1199	-35.7924	0.233629	0.918645	BH
PITG_15961	Pi conserved hypothetical protein (	-32.0902	-35.8517	0.233629	0.918645	BH
PITG_20762	Pi conserved hypothetical protein (	-32.1084	-35.8154	0.233629	0.918645	BH
PITG_21400	Pi protein kinase (1076 nt)	-32.1257	-35.7807	0.233629	0.918645	BH
PITG_14913	Pi 40S ribosomal protein S16 (1118	-9.10948	1.372224	0.233702	0.918645	BH
PITG_00118	Pi conserved hypothetical protein (	-13.6635	-1.75681	0.233718	0.918645	BH
PITG_02283	Pi conserved hypothetical protein (	-13.6726	-1.73872	0.233718	0.918645	BH
PITG_21174	Pi D-cysteine desulfhydrase, putati	-13.6497	-1.7845	0.233718	0.918645	BH
PITG_01537	Pi conserved hypothetical protein (	-32.0642	-35.9037	0.234805	0.918645	BH
PITG_01559	Pi conserved hypothetical protein (	-32.1444	-35.7434	0.234805	0.918645	BH
PITG_02327	Pi conserved hypothetical protein (	-32.1325	-35.7672	0.234805	0.918645	BH
PITG_03952	Pi conserved hypothetical protein (	-32.1498	-35.7326	0.234805	0.918645	BH
PITG_06766	Pi conserved hypothetical protein (	-32.0642	-35.9037	0.234805	0.918645	BH
PITG_08571	Pi Drug/Metabolite Transporter (D	-32.0642	-35.9037	0.234805	0.918645	BH
PITG_08723	Pi conserved hypothetical protein (	-32.1498	-35.7326	0.234805	0.918645	BH
PITG_08980	Pi conserved hypothetical protein (	-32.075	-35.8821	0.234805	0.918645	BH
PITG_10014	Pi conserved hypothetical protein (	-32.1208	-35.7906	0.234805	0.918645	BH
PITG_10022	Pi vacuolar protein sorting-associa	-32.1208	-35.7906	0.234805	0.918645	BH
PITG_10239	Pi myosin heavy chain kinase, puta	-32.1248	-35.7825	0.234805	0.918645	BH
PITG_11131	Pi conserved hypothetical protein (	-32.1444	-35.7434	0.234805	0.918645	BH
PITG_11451	Pi conserved hypothetical protein (	-32.1093	-35.8136	0.234805	0.918645	BH
PITG_11561	Pi nuclear prelamin A recognition f	-32.0893	-35.8535	0.234805	0.918645	BH
PITG_11592	Pi serine protease family S15, puta	-32.1444	-35.7434	0.234805	0.918645	BH
PITG_13747	Pi Drug/Metabolite Transporter (D	-32.1248	-35.7825	0.234805	0.918645	BH
PITG_14731	Pi conserved hypothetical protein (	-32.1131	-35.806	0.234805	0.918645	BH
PITG_16183	Pi adhesin-like protein (5735 nt)	-32.1208	-35.7906	0.234805	0.918645	BH
PITG_16332	Pi conserved hypothetical protein (	-32.1498	-35.7326	0.234805	0.918645	BH
PITG_18071	Pi conserved hypothetical protein (	-32.1325	-35.7672	0.234805	0.918645	BH
PITG_18127	Pi conserved hypothetical protein (	-32.1498	-35.7326	0.234805	0.918645	BH
PITG_20307	Pi conserved hypothetical protein (	-32.1325	-35.7672	0.234805	0.918645	BH
PITG_20906	Pi conserved hypothetical protein (	-32.0893	-35.8535	0.234805	0.918645	BH
PITG_21394	Pi cobalamin synthesis protein, put	-32.0642	-35.9037	0.234805	0.918645	BH
PITG_21397	Pi ribose-phosphate pyrophosphok	-32.1093	-35.8136	0.234805	0.918645	BH
PITG_21960	Pi conserved hypothetical protein (	-32.1444	-35.7434	0.234805	0.918645	BH
PITG_22568	Pi nuclease, putative (1077 nt)	-32.1208	-35.7906	0.234805	0.918645	BH
PITG_11789	Pi conserved hypothetical protein (	-13.6493	-1.78635	0.235365	0.918645	BH
PITG_01271	Pi protein kinase, putative (937 nt)	-32.1121	-35.8078	0.235985	0.918645	BH
PITG_02162	Pi ATP-dependent Clp protease AT	-32.0869	-35.8584	0.235985	0.918645	BH
PITG_05546	Pi conserved hypothetical protein (	-32.1367	-35.7587	0.235985	0.918645	BH
PITG_07894	Pi sulfatase-like protein (612 nt)	-32.1121	-35.8078	0.235985	0.918645	BH
PITG_01715	Pi conserved hypothetical protein (	-32.0651	-35.9019	0.235985	0.918645	BH
PITG_03360	Pi AP-4 complex subunit epsilon, p	-32.0651	-35.9019	0.235985	0.918645	BH
PITG_06171	Pi splicing factor 3B subunit 1 (377	-32.1452	-35.7416	0.235985	0.918645	BH
PITG_07976	Pi conserved hypothetical protein (	-32.1452	-35.7416	0.235985	0.918645	BH
PITG_11321	Pi conserved hypothetical protein (	-32.0759	-35.8803	0.235985	0.918645	BH

PITG_14586	Pi 5'-AMP-activated protein kinase	-32.1452	-35.7416	0.235985	0.918645	BH
PITG_16973	Pi dynein light chain (449 nt)	-32.1006	-35.8309	0.235985	0.918645	BH
PITG_22117	Pi transglutaminase elicitor-like pro	-32.0456	-35.9409	0.237023	0.918645	BH
PITG_00658	Pi conserved hypothetical protein (	-32.1488	-35.7345	0.237169	0.918645	BH
PITG_01746	Pi HECT E3 ubiquitin ligase, putativ	-32.1102	-35.8117	0.237169	0.918645	BH
PITG_01792	Pi conserved hypothetical protein (	-32.1612	-35.7098	0.237169	0.918645	BH
PITG_04552	Pi conserved hypothetical protein (	-32.1334	-35.7653	0.237169	0.918645	BH
PITG_07852	Pi conserved hypothetical protein (	-32.1488	-35.7345	0.237169	0.918645	BH
PITG_08984	Pi protein kinase, putative (2467 nt)	-32.1334	-35.7653	0.237169	0.918645	BH
PITG_14692	Pi conserved hypothetical protein (	-32.1102	-35.8117	0.237169	0.918645	BH
PITG_17003	Pi choline/ethanolamine kinase, pu	-32.0989	-35.8343	0.237169	0.918645	BH
PITG_17416	Pi conserved hypothetical protein (	-32.1102	-35.8117	0.237169	0.918645	BH
PITG_19235	Pi serine/threonine protein kinase	-32.1217	-35.7887	0.237169	0.918645	BH
PITG_21380	Pi conserved hypothetical protein (	-32.1334	-35.7653	0.237169	0.918645	BH
PITG_22810	Pi conserved hypothetical protein (	-32.1488	-35.7345	0.237169	0.918645	BH
PITG_00559	Pi protein phosphatase 2C, putativ	-32.1462	-35.7397	0.238357	0.918645	BH
PITG_01066	Pi conserved hypothetical protein (	-32.1462	-35.7397	0.238357	0.918645	BH
PITG_01358	Pi conserved hypothetical protein (	-32.1462	-35.7397	0.238357	0.918645	BH
PITG_02104	Pi conserved hypothetical protein (	-32.1479	-35.7364	0.238357	0.918645	BH
PITG_06202	Pi conserved hypothetical protein (	-32.1479	-35.7364	0.238357	0.918645	BH
PITG_06781	Pi conserved hypothetical protein (	-32.1462	-35.7397	0.238357	0.918645	BH
PITG_07199	Pi conserved hypothetical protein (	-32.0762	-35.8797	0.238357	0.918645	BH
PITG_12110	Pi peroxisomal targeting signal 1 re	-32.1357	-35.7607	0.238357	0.918645	BH
PITG_16264	Pi conserved hypothetical protein (	-32.0762	-35.8797	0.238357	0.918645	BH
PITG_17946	Pi hypothetical protein (692 nt)	-32.1479	-35.7364	0.238357	0.918645	BH
PITG_19672	Pi hypothetical protein (1077 nt)	-32.0762	-35.8797	0.238357	0.918645	BH
PITG_06424	Pi formin-homology 2 domain-cont	-32.0661	-35.8999	0.238357	0.918645	BH
PITG_08749	Pi conserved hypothetical protein (	-32.0661	-35.8999	0.238357	0.918645	BH
PITG_10911	Pi conserved hypothetical protein (	-32.0878	-35.8564	0.238357	0.918645	BH
PITG_12541	Pi conserved hypothetical protein (	-32.0769	-35.8784	0.238357	0.918645	BH
PITG_14239	Pi Poly(A) polymerase, putative (30	-32.0769	-35.8784	0.238357	0.918645	BH
PITG_17698	Pi conserved hypothetical protein (	-32.0769	-35.8784	0.238357	0.918645	BH
PITG_12939	Pi conserved hypothetical protein (	-32.0155	-36.0012	0.23839	0.918645	BH
PITG_00469	Pi conserved hypothetical protein (	-32.1112	-35.8097	0.23955	0.918645	BH
PITG_01504	Pi protein phosphatase PP2A regul	-32.1227	-35.7867	0.23955	0.918645	BH
PITG_03342	Pi sorting and assembly machinery	-32.1227	-35.7867	0.23955	0.918645	BH
PITG_04342	Pi conserved hypothetical protein (	-32.1112	-35.8097	0.23955	0.918645	BH
PITG_05592	Pi conserved hypothetical protein (	-32.1344	-35.7633	0.23955	0.918645	BH
PITG_05989	Pi myb-like DNA-binding protein, p	-32.1227	-35.7867	0.23955	0.918645	BH
PITG_06967	Pi conserved hypothetical protein (	-32.0642	-35.9036	0.23955	0.918645	BH
PITG_12662	Pi conserved hypothetical protein (	-32.0873	-35.8575	0.23955	0.918645	BH
PITG_17163	Pi conserved hypothetical protein (	-32.1227	-35.7867	0.23955	0.918645	BH
PITG_06228	Pi hypothetical protein (641 nt)	-31.9961	-36.0399	0.239763	0.918645	BH
PITG_00178	Pi dual specificity tyrosine-phospho	-32.0671	-35.8979	0.240747	0.918645	BH
PITG_00945	Pi conserved hypothetical protein (	-32.1347	-35.7628	0.240747	0.918645	BH
PITG_02684	Pi peptidyl-tRNA hydrolase, putativ	-32.0888	-35.8544	0.240747	0.918645	BH
PITG_09531	Pi conserved hypothetical protein (	-32.1347	-35.7628	0.240747	0.918645	BH

PITG_15137	Pi hypothetical protein (530 nt)	-32.1347	-35.7628	0.240747	0.918645	BH
PITG_15925	Pi conserved hypothetical protein (	-32.0752	-35.8818	0.240747	0.918645	BH
PITG_16826	Pi conserved hypothetical protein (	-32.1	-35.8322	0.240747	0.918645	BH
PITG_17611	Pi hypothetical protein (540 nt)	-32.0888	-35.8544	0.240747	0.918645	BH
PITG_10484	Pi axin interactor, putative (1221 n	-32.0409	-35.9504	0.241142	0.918645	BH
PITG_00719	Pi acetyl-coenzyme A synthetase (2	-32.1354	-35.7613	0.241948	0.918645	BH
PITG_00722	Pi conserved hypothetical protein (	-32.0862	-35.8596	0.241948	0.918645	BH
PITG_02659	Pi serine hydrolase (FSH1)-like prot	-32.1218	-35.7886	0.241948	0.918645	BH
PITG_05293	Pi conserved hypothetical protein (	-32.1354	-35.7613	0.241948	0.918645	BH
PITG_05540	Pi conserved hypothetical protein (	-32.1473	-35.7375	0.241948	0.918645	BH
PITG_10488	Pi protein kinase, putative (1257 nt	-32.0862	-35.8596	0.241948	0.918645	BH
PITG_14564	Pi conserved hypothetical protein (	-32.0565	-35.919	0.241948	0.918645	BH
PITG_15519	Pi conserved hypothetical protein (	-32.1473	-35.7375	0.241948	0.918645	BH
PITG_17920	Pi plasma membrane H <sup>+</sup> -ATPase (8	-10.4095	2.199449	0.243046	0.918645	BH
PITG_09092	Pi nucleoside diphosphate kinase,	-13.7745	2.774211	0.243145	0.918645	BH
PITG_03586	Pi trafficking protein particle comp	-32.0975	-35.8371	0.243154	0.918645	BH
PITG_08851	Pi FKBP-type peptidyl-prolyl cis-tra	-32.101	-35.8301	0.243154	0.918645	BH
PITG_09690	Pi hypothetical protein (1701 nt)	-32.101	-35.8301	0.243154	0.918645	BH
PITG_15959	Pi conserved hypothetical protein (	-32.1238	-35.7845	0.243154	0.918645	BH
PITG_00338	Pi conserved hypothetical protein (	-32.0576	-35.9169	0.244365	0.918645	BH
PITG_03061	Pi conserved hypothetical protein (	-32.079	-35.8741	0.244365	0.918645	BH
PITG_05762	Pi Cullin family protein, putative (2	-32.09	-35.8522	0.244365	0.918645	BH
PITG_10961	Pi conserved hypothetical protein (	-32.1457	-35.7408	0.244365	0.918645	BH
PITG_11296	Pi DNA mismatch repair protein M	-32.1089	-35.8142	0.244365	0.918645	BH
PITG_15542	Pi conserved hypothetical protein (	-32.0682	-35.8957	0.244365	0.918645	BH
PITG_16386	Pi BOLA-like protein (541 nt)	-32.074	-35.8841	0.244365	0.918645	BH
PITG_20590	Pi cleavage induced conserved hyp	-32.09	-35.8522	0.244365	0.918645	BH
PITG_20671	Pi conserved hypothetical protein (	-32.09	-35.8522	0.244365	0.918645	BH
PITG_15727	Pi hypothetical protein (908 nt)	-10.5121	-2.58642	0.244972	0.918645	BH
PITG_20556	Pi hypothetical protein (1091 nt)	-32.0853	-35.8616	0.245315	0.918645	BH
PITG_12694	Pi protein transport protein SEC13	-13.6766	-1.73913	0.245319	0.918645	BH
PITG_05670	Pi cleavage induced conserved hyp	-32.1206	-35.7909	0.245579	0.918645	BH
PITG_06884	Pi conserved hypothetical protein (	-32.1484	-35.7353	0.245579	0.918645	BH
PITG_14440	Pi conserved hypothetical protein (	-32.1484	-35.7353	0.245579	0.918645	BH
PITG_14727	Pi callose synthase, putative (6687	-13.5874	-1.95133	0.246717	0.918645	BH
PITG_21544	Pi conserved hypothetical protein (	-32.0271	-35.978	0.246718	0.918645	BH
PITG_01851	Pi homogentisate 1,2-dioxygenase	-32.125	-35.7822	0.246799	0.918645	BH
PITG_02814	Pi conserved hypothetical protein (	-32.125	-35.7822	0.246799	0.918645	BH
PITG_06753	Pi paired amphipathic helix proteir	-32.1022	-35.8278	0.246799	0.918645	BH
PITG_08470	Pi diacylglycerol acyltransferase, pi	-32.1135	-35.8052	0.246799	0.918645	BH
PITG_12279	Pi phosphoglycerate mutase family	-32.1324	-35.7673	0.246799	0.918645	BH
PITG_13201	Pi conserved hypothetical protein (	-32.1324	-35.7673	0.246799	0.918645	BH
PITG_15924	Pi conserved hypothetical protein (	-32.1324	-35.7673	0.246799	0.918645	BH
PITG_09721	Pi conserved hypothetical protein (	-12.8271	-1.56779	0.24699	0.918645	BH
PITG_09401	Pi pre-mRNA-splicing factor ini1 (3:	-13.5554	-1.97181	0.247873	0.918645	BH
PITG_01250	Pi regulator of chromosome conde	-32.0802	-35.8718	0.248023	0.918645	BH
PITG_04839	Pi cleavage induced conserved hyp	-32.0802	-35.8718	0.248023	0.918645	BH

PITG_08132	Pi conserved hypothetical protein (	-32.0802	-35.8718	0.248023	0.918645	BH
PITG_08935	Pi acyl-CoA synthetase short-chain	-32.0694	-35.8934	0.248023	0.918645	BH
PITG_15384	Pi conserved hypothetical protein (	-32.0694	-35.8934	0.248023	0.918645	BH
PITG_16956	Pi transglutaminase elicitor, putati	-32.0911	-35.8499	0.248023	0.918645	BH
PITG_17457	Pi conserved hypothetical protein (	-32.0911	-35.8499	0.248023	0.918645	BH
PITG_21349	Pi aspartyl-tRNA synthetase, putati	-32.0911	-35.8499	0.248023	0.918645	BH
PITG_22450	Pi conserved hypothetical protein (	-32.0911	-35.8499	0.248023	0.918645	BH
PITG_01701	Pi hypothetical protein (487 nt)	-12.8195	-1.58494	0.248818	0.918645	BH
PITG_05193	Pi conserved hypothetical protein (	-32.0839	-35.8644	0.249251	0.918645	BH
PITG_10345	Pi conserved hypothetical protein (	-32.0588	-35.9145	0.249251	0.918645	BH
PITG_16809	Pi conserved hypothetical protein (	-32.0588	-35.9145	0.249251	0.918645	BH
PITG_17026	Pi palmitoyltransferase, putative (2	-32.1496	-35.7329	0.249251	0.918645	BH
PITG_18107	Pi Der1-like family, putative (1230	-13.5417	-2.00045	0.249586	0.918645	BH
PITG_00320	Pi conserved hypothetical protein (	-32.1261	-35.7798	0.250484	0.918645	BH
PITG_03466	Pi aldehyde dehydrogenase, putati	-32.1378	-35.7565	0.250484	0.918645	BH
PITG_03815	Pi FAD-dependent oxidoreductase	-32.0951	-35.8419	0.250484	0.918645	BH
PITG_11627	Pi conserved hypothetical protein (	-32.1261	-35.7798	0.250484	0.918645	BH
PITG_17399	Pi conserved hypothetical protein (	-32.0951	-35.8419	0.250484	0.918645	BH
PITG_03008	Pi conserved hypothetical protein (	-32.1147	-35.8026	0.251721	0.918645	BH
PITG_03464	Pi aldehyde dehydrogenase, putati	-32.1147	-35.8026	0.251721	0.918645	BH
PITG_08599	Pi thimet oligopeptidase (2500 nt)	-32.0923	-35.8475	0.251721	0.918645	BH
PITG_11012	Pi conserved hypothetical protein (	-32.1147	-35.8026	0.251721	0.918645	BH
PITG_16058	Pi conserved hypothetical protein (	-32.1034	-35.8252	0.251721	0.918645	BH
PITG_17370	Pi conserved hypothetical protein (	-32.1147	-35.8026	0.251721	0.918645	BH
PITG_18358	Pi conserved hypothetical protein (	-32.0923	-35.8475	0.251721	0.918645	BH
PITG_02305	Pi conserved hypothetical protein (	-12.2593	2.040833	0.251851	0.918645	BH
PITG_04158	Pi glycoside hydrolase, putative (89	-32.0814	-35.8692	0.252963	0.918645	BH
PITG_10722	Pi conserved hypothetical protein (	-32.1431	-35.7459	0.252963	0.918645	BH
PITG_10729	Pi conserved hypothetical protein (	-32.0814	-35.8692	0.252963	0.918645	BH
PITG_15494	Pi cytosine deaminase (438 nt)	-32.1064	-35.8193	0.252963	0.918645	BH
PITG_18540	Pi conserved hypothetical protein (	-32.0814	-35.8692	0.252963	0.918645	BH
PITG_13509	Pi secreted RxLR effector peptide,	-11.7607	2.35154	0.253365	0.918645	BH
PITG_02161	Pi conserved hypothetical protein (	-32.8445	-34.3432	0.253443	0.918645	BH
PITG_05779	Pi neutral ceramidase, putative (69	-32.8445	-34.3432	0.253443	0.918645	BH
PITG_06710	Pi conserved hypothetical protein (	-32.8445	-34.3432	0.253443	0.918645	BH
PITG_07263	Pi conserved hypothetical protein (	-32.8445	-34.3432	0.253443	0.918645	BH
PITG_07295	Pi conserved hypothetical protein (	-32.8445	-34.3432	0.253443	0.918645	BH
PITG_10173	Pi NADPH-cytochrome P450 reduct	-32.8445	-34.3432	0.253443	0.918645	BH
PITG_11567	Pi conserved hypothetical protein (	-32.8445	-34.3432	0.253443	0.918645	BH
PITG_12997	Pi Major Facilitator Superfamily (M	-32.8445	-34.3432	0.253443	0.918645	BH
PITG_13860	Pi protein kinase, putative (1146 nt	-32.8445	-34.3432	0.253443	0.918645	BH
PITG_14023	Pi conserved hypothetical protein (	-32.8445	-34.3432	0.253443	0.918645	BH
PITG_15658	Pi hypothetical protein (2142 nt)	-32.8445	-34.3432	0.253443	0.918645	BH
PITG_16031	Pi conserved hypothetical protein (	-32.8445	-34.3432	0.253443	0.918645	BH
PITG_16742	Pi conserved hypothetical protein (	-32.8445	-34.3432	0.253443	0.918645	BH
PITG_17145	Pi conserved hypothetical protein (	-32.8445	-34.3432	0.253443	0.918645	BH
PITG_17824	Pi conserved hypothetical protein (	-32.8445	-34.3432	0.253443	0.918645	BH

PITG_18602	Pi conserved hypothetical protein (	-32.8445	-34.3432	0.253443	0.918645	BH
PITG_18606	Pi conserved hypothetical protein (	-32.8445	-34.3432	0.253443	0.918645	BH
PITG_18743	Pi amino acid/auxin permease-like	-32.8445	-34.3432	0.253443	0.918645	BH
PITG_19887	Pi conserved hypothetical protein (	-32.8445	-34.3432	0.253443	0.918645	BH
PITG_22626	Pi conserved hypothetical protein (	-32.8445	-34.3432	0.253443	0.918645	BH
PITG_22823	Pi expressed protein (507 nt)	-32.8445	-34.3432	0.253443	0.918645	BH
PITG_22918	Pi conserved hypothetical protein (	-32.8445	-34.3432	0.253443	0.918645	BH
PITG_23197	Pi Crinkler (CRN) family protein, ps	-32.8445	-34.3432	0.253443	0.918645	BH
PITG_14595	Pi conserved hypothetical protein (	-32.0825	-35.867	0.254209	0.918645	BH
PITG_08896	Pi conserved hypothetical protein (	-13.5588	-2.02989	0.25477	0.918645	BH
PITG_16890	Pi conserved hypothetical protein (	-32.8617	-34.3087	0.255281	0.918645	BH
PITG_02314	Pi conserved hypothetical protein (	-31.8226	36.38694	0.255281	0.918645	BH
PITG_04447	Pi conserved hypothetical protein (	-31.8226	36.38694	0.255281	0.918645	BH
PITG_07689	Pi secreted RxLR effector peptide,	-31.8226	36.38694	0.255281	0.918645	BH
PITG_08441	Pi conserved hypothetical protein (	-32.8273	-34.3775	0.255281	0.918645	BH
PITG_10835	Pi secreted RxLR effector peptide,	-31.8226	36.38694	0.255281	0.918645	BH
PITG_22922	Pi secreted RxLR effector peptide,	-32.8273	-34.3775	0.255281	0.918645	BH
PITG_01553	Pi HECT ubiquitin ligase, putative (2	-32.151	-35.7301	0.255461	0.918645	BH
PITG_19254	Pi conserved hypothetical protein (	-32.151	-35.7301	0.255461	0.918645	BH
PITG_13641	Pi glucanase inhibitor protein, puta	-12.2874	2.092285	0.255752	0.918645	BH
PITG_12550	Pi conserved hypothetical protein (	-13.5013	-2.10105	0.255821	0.918645	BH
PITG_01173	Pi palmitoyltransferase, putative (1	-32.1048	-35.8226	0.256716	0.918645	BH
PITG_04538	Pi splicing factor 3 subunit, putativ	-32.1048	-35.8226	0.256716	0.918645	BH
PITG_06120	Pi conserved hypothetical protein (	-32.1276	-35.777	0.256716	0.918645	BH
PITG_06392	Pi hypothetical protein (1540 nt)	-32.1276	-35.777	0.256716	0.918645	BH
PITG_18054	Pi 50S ribosomal protein L7/L12, pi	-12.1859	2.084112	0.257033	0.918645	BH
PITG_09381	Pi conserved hypothetical protein (	-32.0937	-35.8446	0.257977	0.918645	BH
PITG_17166	Pi conserved hypothetical protein (	-32.0937	-35.8446	0.257977	0.918645	BH
PITG_21278	Pi isochorismatase, putative (728 r	-13.5628	-1.96438	0.258187	0.918645	BH
PITG_08832	Pi conserved hypothetical protein (	-13.7039	-1.67612	0.259011	0.918645	BH
PITG_18366	Pi choline/Carnitine O-acyltransfer	-32.0614	-35.9092	0.259242	0.918645	BH
PITG_19125	Pi conserved hypothetical protein (	-32.1416	-35.7489	0.259242	0.918645	BH
PITG_12041	Pi cysteine protease family C01A, p	-13.6639	-1.77585	0.260477	0.918645	BH
PITG_01382	Pi ubiquitin family protein, putative	-13.6992	-1.68661	0.260677	0.918645	BH
PITG_06579	Pi conserved hypothetical protein (	-13.6971	-1.69084	0.260677	0.918645	BH
PITG_10129	Pi conserved hypothetical protein (	-13.7118	-1.66149	0.260677	0.918645	BH
PITG_04862	Pi RNA binding protein, putative (1	-13.5481	-1.99613	0.261647	0.918645	BH
PITG_01302	Pi conserved hypothetical protein (	-32.1406	-35.7509	0.261786	0.918645	BH
PITG_16484	Pi conserved hypothetical protein (	-32.1537	-35.7247	0.261786	0.918645	BH
PITG_14229	Pi mannose-1-phosphate guanyltra	-13.7031	-1.68005	0.262346	0.918645	BH
PITG_06108	Pi dihydrolipoyllysine-residue acety	-13.8149	2.177654	0.262385	0.918645	BH
PITG_10878	Pi conserved hypothetical protein (	-12.3518	-1.49012	0.26305	0.918645	BH
PITG_08804	Pi metalloprotease family M01, pu	-32.1062	-35.8196	0.263065	0.918645	BH
PITG_12037	Pi ferredoxin-dependent glutamate	-32.129	-35.774	0.263065	0.918645	BH
PITG_09838	Pi secreted RxLR effector peptide,	-32.0952	-35.8417	0.264349	0.918645	BH
PITG_11853	Pi C2 domain-containing protein, p	-32.0842	-35.8636	0.264349	0.918645	BH
PITG_14131	Pi conserved hypothetical protein (	-32.0952	-35.8417	0.264349	0.918645	BH

PITG_05290	Pi myosin-like protein (3290 nt)	-13.2324	2.343422	0.264901	0.918645	BH
PITG_08131	Pi oxidoreductase htip2-like prot	-32.0629	-35.9063	0.265638	0.918645	BH
PITG_14515	Pi conserved hypothetical protein (	-32.14	-35.7521	0.265638	0.918645	BH
PITG_18537	Pi trans-1,2-dihydrobenzene-1,2-di	-32.0735	-35.885	0.265638	0.918645	BH
PITG_19008	Pi nascent polypeptide-associated	-11.0799	2.030427	0.2665	0.918645	BH
PITG_10133	Pi hypothetical protein (402 nt)	-32.1149	-35.8023	0.266931	0.918645	BH
PITG_01515	Pi ras-related GTP-binding protein,	-13.6939	-1.70218	0.267368	0.918645	BH
PITG_07028	Pi peptidyl-prolyl cis-trans isomera	-13.6906	-1.70983	0.269048	0.918645	BH
PITG_09309	Pi conserved hypothetical protein (	-32.1542	-35.7238	0.269532	0.918645	BH
PITG_18072	Pi conserved hypothetical protein (	-9.32372	-1.74221	0.269599	0.918645	BH
PITG_17921	Pi P-type ATPase (P-ATPase) Super	-10.2149	2.134267	0.270113	0.918645	BH
PITG_02532	Pi Ca <sup>2+</sup> :Cation Antiporter (CaCA) Fa	-13.0332	2.011442	0.270313	0.918645	BH
PITG_01308	Pi conserved hypothetical protein (	-32.1424	-35.7474	0.27084	0.918645	BH
PITG_01400	Pi Argonaute3 (AGO3) (3810 nt)	-32.1192	-35.7937	0.27084	0.918645	BH
PITG_07702	Pi UDP-N-acetylglucosamine-peptid	-32.1424	-35.7474	0.27084	0.918645	BH
PITG_17381	Pi conserved hypothetical protein (	-32.1192	-35.7937	0.27084	0.918645	BH
PITG_19245	Pi conserved hypothetical protein (	-13.8317	2.196403	0.272028	0.918645	BH
PITG_06335	Pi conserved hypothetical protein (	-32.1642	-35.7036	0.272153	0.918645	BH
PITG_20047	Pi 2-isopropylmalate synthase, put	-32.1642	-35.7036	0.272153	0.918645	BH
PITG_20384	Pi conserved hypothetical protein (	-13.688	-1.71768	0.272415	0.918645	BH
PITG_21540	Pi Resistance-Nodulation-Cell Divis	-13.5613	-2.03977	0.272952	0.918645	BH
PITG_03028	Pi pre-mRNA-splicing factor SF2 (9	-13.5711	-1.9417	0.273464	0.918645	BH
PITG_18117	Pi conserved hypothetical protein (	-32.086	-35.8602	0.273471	0.918645	BH
PITG_20005	Pi ATP-binding Cassette (ABC) Supe	-12.2999	2.096751	0.27355	0.918645	BH
PITG_17785	Pi hypothetical protein (336 nt)	-13.6991	-1.69661	0.274102	0.918645	BH
PITG_00625	Pi monooxygenase, putative (672 r	-12.8245	-1.6015	0.274679	0.918645	BH
PITG_12004	Pi conserved hypothetical protein (	-32.1132	-35.8057	0.274794	0.918645	BH
PITG_02423	Pi cysteine protease family C01A, p	-13.7165	-1.66309	0.275792	0.918645	BH
PITG_10195	Pi acyl-CoA desaturase (1123 nt)	-13.0989	2.158353	0.277224	0.918645	BH
PITG_22462	Pi conserved hypothetical protein (	-12.7074	1.999955	0.27741	0.918645	BH
PITG_01694	Pi peptidyl-prolyl cis-trans isomera	-12.2313	1.989472	0.277437	0.918645	BH
PITG_10686	Pi conserved hypothetical protein (	-32.1765	-35.6791	0.277454	0.918645	BH
PITG_05313	Pi undecaprenyl pyrophosphate sy	-13.2729	2.111137	0.277641	0.918645	BH
PITG_17393	Pi conserved hypothetical protein (	-32.1501	-35.732	0.278791	0.918645	BH
PITG_10941	Pi elongation factor 2 (2909 nt)	-9.99777	1.999009	0.279887	0.918645	BH
PITG_14124	Pi glycoside hydrolase, putative (9	-32.1326	-35.7669	0.281481	0.918645	BH
PITG_14862	Pi conserved hypothetical protein (	-32.1211	-35.7899	0.281481	0.918645	BH
PITG_17664	Pi conserved hypothetical protein (	-32.1326	-35.7669	0.281481	0.918645	BH
PITG_08897	Pi hypothetical protein (439 nt)	-32.1622	-35.7078	0.282834	0.918645	BH
PITG_22124	Pi P-type ATPase (P-ATPase) Super	-32.0987	-35.8347	0.282834	0.918645	BH
PITG_15954	Pi SNARE associated Golgi protein,	-13.5757	-1.93963	0.283861	0.918645	BH
PITG_07283	Pi threonine dehydratase catabolic	-32.0878	-35.8565	0.284192	0.918645	BH
PITG_07896	Pi sulfatase-like protein (2403 nt)	-32.0878	-35.8565	0.284192	0.918645	BH
PITG_20488	Pi conserved hypothetical protein (	-32.077	-35.8781	0.284192	0.918645	BH
PITG_03700	Pi enolase (1365 nt)	-10.2688	1.974765	0.286446	0.918645	BH
PITG_00910	Pi EF-1 guanine nucleotide exchang	-10.3538	1.944865	0.286784	0.918645	BH
PITG_02098	Pi ATP-binding Cassette (ABC) Supe	-32.1699	-35.6923	0.286922	0.918645	BH



PITG_11267	Pi conserved hypothetical protein (	-32.087	-35.8582	0.286922	0.918645	BH
PITG_14355	Pi trans-1,2-dihydrobenzene-1,2-di	-32.1822	-35.6677	0.286922	0.918645	BH
PITG_20073	Pi pyruvate-flavodoxin oxidoreduct	-32.1699	-35.6923	0.286922	0.918645	BH
PITG_19961	Pi glyceraldehyde-3-phosphate def	-9.86646	1.964851	0.287142	0.918645	BH
PITG_01604	Pi serine palmitoyltransferase, put	-13.7585	-1.56682	0.287918	0.918645	BH
PITG_06813	Pi conserved hypothetical protein (	-13.7576	-1.56871	0.287918	0.918645	BH
PITG_09284	Pi actin, putative (1342 nt)	-13.7306	-1.62254	0.287918	0.918645	BH
PITG_21508	Pi conserved hypothetical protein (	-13.7521	-1.57963	0.287918	0.918645	BH
PITG_04255	Pi glucosylceramidase, putative (16	-32.146	-35.7401	0.288296	0.918645	BH
PITG_05245	Pi imidazole glycerol phosphate sy	-13.752	-1.58098	0.289591	0.918645	BH
PITG_01493	Pi conserved hypothetical protein (	-32.1229	-35.7864	0.289674	0.918645	BH
PITG_16026	Pi conserved hypothetical protein (	-32.1229	-35.7864	0.289674	0.918645	BH
PITG_11249	Pi heat shock 70 kDa protein (2183	-9.3276	1.62786	0.289937	0.918645	BH
PITG_17708	Pi conserved hypothetical protein (	-10.2693	1.973748	0.290797	0.918645	BH
PITG_08320	Pi conserved hypothetical protein (	-32.1005	-35.8312	0.291057	0.918645	BH
PITG_14288	Pi polysaccharide lyase, putative (1	-32.1005	-35.8312	0.291057	0.918645	BH
PITG_20241	Pi transmembrane protein, putativ	-32.1116	-35.8089	0.291057	0.918645	BH
PITG_20484	Pi conserved hypothetical protein (	-32.1005	-35.8312	0.291057	0.918645	BH
PITG_05688	Pi splicing factor U2AF 35 kDa sub	-13.7558	-1.57458	0.291267	0.918645	BH
PITG_12141	Pi H - or Na -translocating F-type, V	-13.7296	-1.62947	0.294624	0.918645	BH
PITG_08462	Pi actin-related protein 2/3 comple	-13.7541	-1.58175	0.296305	0.918645	BH
PITG_12863	Pi cyclin-dependent kinase regulato	-13.7245	-1.64096	0.296305	0.918645	BH
PITG_02043	Pi SWI/SNF-related matrix-associat	-32.1663	-35.6996	0.296616	0.918645	BH
PITG_03476	Pi conserved hypothetical protein (	-32.1655	-35.7011	0.296616	0.918645	BH
PITG_04992	Pi arginyl-tRNA synthetase, putativ	-32.2047	-35.6227	0.296616	0.918645	BH
PITG_05886	Pi peptidyl-prolyl cis-trans isomera	-32.2047	-35.6227	0.296616	0.918645	BH
PITG_06075	Pi conserved hypothetical protein (	-32.1789	-35.6744	0.296616	0.918645	BH
PITG_07033	Pi conserved hypothetical protein (	-32.1663	-35.6996	0.296616	0.918645	BH
PITG_08301	Pi conserved hypothetical protein (	-32.1789	-35.6744	0.296616	0.918645	BH
PITG_15486	Pi general transcription factor IIH s	-32.1655	-35.7011	0.296616	0.918645	BH
PITG_15695	Pi conserved hypothetical protein (	-32.1655	-35.7011	0.296616	0.918645	BH
PITG_17709	Pi conserved hypothetical protein (	-32.1917	-35.6488	0.296616	0.918645	BH
PITG_17990	Pi cell division protein kinase, puta	-32.1917	-35.6488	0.296616	0.918645	BH
PITG_18959	Pi conserved hypothetical protein (	-32.2047	-35.6227	0.296616	0.918645	BH
PITG_20077	Pi conserved hypothetical protein (	-32.1655	-35.7011	0.296616	0.918645	BH
PITG_21908	Pi HECT E3 ubiquitin ligase, putativ	-32.1655	-35.7011	0.296616	0.918645	BH
PITG_09832	Pi adhesin protein, putative (2265	-13.6035	2.317205	0.296784	0.918645	BH
PITG_00134	Pi COP9 signalosome complex sub	-32.261	-35.5102	0.297774	0.918645	BH
PITG_00225	Pi sialin-like protein (1725 nt)	-32.2454	-35.5413	0.297774	0.918645	BH
PITG_00370	Pi conserved hypothetical protein (	-32.2447	-35.5427	0.297774	0.918645	BH
PITG_00482	Pi conserved hypothetical protein (	-32.1548	-35.7226	0.297774	0.918645	BH
PITG_00689	Pi Mitochondrial Carrier (MC) Fami	-32.1773	-35.6776	0.297774	0.918645	BH
PITG_00718	Pi mono-ADP-ribosyltransferase sir	-32.2195	-35.593	0.297774	0.918645	BH
PITG_01748	Pi mitochondrial inner membrane	-32.261	-35.5102	0.297774	0.918645	BH
PITG_01778	Pi soluble pyridine nucleotide trans	-32.2331	-35.566	0.297774	0.918645	BH
PITG_01946	Pi ras family GTPase, putative (641	-32.261	-35.5102	0.297774	0.918645	BH
PITG_02023	Pi conserved hypothetical protein (	-32.2454	-35.5413	0.297774	0.918645	BH

PITG_02195	Pi conserved hypothetical protein (	-32.2173	-35.5976	0.297774	0.918645	BH
PITG_02227	Pi cleavage induced hypothetical p	-32.2173	-35.5976	0.297774	0.918645	BH
PITG_02453	Pi conserved hypothetical protein (	-32.1639	-35.7044	0.297774	0.918645	BH
PITG_02764	Pi conserved hypothetical protein (	-32.2454	-35.5413	0.297774	0.918645	BH
PITG_02787	Pi conserved hypothetical protein (	-32.1679	-35.6963	0.297774	0.918645	BH
PITG_02802	Pi stomatin-like protein (1226 nt)	-32.2469	-35.5383	0.297774	0.918645	BH
PITG_03006	Pi protein kinase (1901 nt)	-32.261	-35.5102	0.297774	0.918645	BH
PITG_03341	Pi conserved hypothetical protein (	-32.2447	-35.5427	0.297774	0.918645	BH
PITG_03370	Pi conserved hypothetical protein (	-32.1932	-35.6456	0.297774	0.918645	BH
PITG_03675	Pi DEAD/DEAH box RNA helicase, p	-32.2603	-35.5116	0.297774	0.918645	BH
PITG_03753	Pi ubiquitin carboxyl-terminal hydr	-32.2447	-35.5427	0.297774	0.918645	BH
PITG_03754	Pi protein kinase, putative (2697 nt)	-32.2603	-35.5116	0.297774	0.918645	BH
PITG_03781	Pi conserved hypothetical protein (	-32.1647	-35.7028	0.297774	0.918645	BH
PITG_04403	Pi hypothetical protein (796 nt)	-32.2055	-35.6211	0.297774	0.918645	BH
PITG_04424	Pi SNARE associated Golgi protein,	-32.218	-35.5961	0.297774	0.918645	BH
PITG_05368	Pi conserved hypothetical protein (	-32.2188	-35.5946	0.297774	0.918645	BH
PITG_05597	Pi conserved hypothetical protein (	-32.2055	-35.6211	0.297774	0.918645	BH
PITG_05598	Pi conserved hypothetical protein (	-32.1773	-35.6776	0.297774	0.918645	BH
PITG_05658	Pi conserved hypothetical protein (	-32.1932	-35.6456	0.297774	0.918645	BH
PITG_05858	Pi conserved hypothetical protein (	-32.2316	-35.5689	0.297774	0.918645	BH
PITG_05907	Pi conserved hypothetical protein (	-32.2469	-35.5383	0.297774	0.918645	BH
PITG_06218	Pi conserved hypothetical protein (	-32.261	-35.5102	0.297774	0.918645	BH
PITG_06480	Pi protein kinase, putative (6057 nt)	-32.2469	-35.5383	0.297774	0.918645	BH
PITG_06636	Pi conserved hypothetical protein (	-32.1932	-35.6456	0.297774	0.918645	BH
PITG_06852	Pi ATP-binding Cassette (ABC) Super	-32.2055	-35.6211	0.297774	0.918645	BH
PITG_06979	Pi aspartate carbamoyltransferase	-32.2032	-35.6258	0.297774	0.918645	BH
PITG_07043	Pi conserved hypothetical protein (	-32.2316	-35.5689	0.297774	0.918645	BH
PITG_07710	Pi sugar transporter, putative (153	-32.1647	-35.7028	0.297774	0.918645	BH
PITG_07995	Pi cyclin-dependent kinase, putativ	-32.1909	-35.6504	0.297774	0.918645	BH
PITG_08310	Pi conserved hypothetical protein (	-32.2603	-35.5116	0.297774	0.918645	BH
PITG_08626	Pi conserved hypothetical protein (	-32.2447	-35.5427	0.297774	0.918645	BH
PITG_09446	Pi conserved hypothetical protein (	-32.1671	-35.6979	0.297774	0.918645	BH
PITG_09450	Pi conserved hypothetical protein (	-32.2173	-35.5976	0.297774	0.918645	BH
PITG_09863	Pi septum site-determining proteir	-32.2462	-35.5398	0.297774	0.918645	BH
PITG_10069	Pi conserved hypothetical protein (	-32.2195	-35.593	0.297774	0.918645	BH
PITG_10460	Pi conserved hypothetical protein (	-32.1773	-35.6776	0.297774	0.918645	BH
PITG_10857	Pi ubiquitin fusion degradation pro	-32.2331	-35.566	0.297774	0.918645	BH
PITG_11594	Pi ubiquitin family protein, putativ	-32.1901	-35.6519	0.297774	0.918645	BH
PITG_11795	Pi ATP-dependent RNA helicase SU	-32.2055	-35.6211	0.297774	0.918645	BH
PITG_11922	Pi epoxide hydrolase, putative (99	-32.2195	-35.593	0.297774	0.918645	BH
PITG_13102	Pi fimbrin-like protein (2322 nt)	-32.1797	-35.6728	0.297774	0.918645	BH
PITG_13270	Pi palmitoyltransferase, putative (1	-32.1932	-35.6456	0.297774	0.918645	BH
PITG_13686	Pi Sulfate Permease (SulP) Family (	-32.218	-35.5961	0.297774	0.918645	BH
PITG_13767	Pi conserved hypothetical protein (	-32.2331	-35.566	0.297774	0.918645	BH
PITG_13835	Pi conserved hypothetical protein (	-32.2032	-35.6258	0.297774	0.918645	BH
PITG_13843	Pi conserved hypothetical protein (	-32.1671	-35.6979	0.297774	0.918645	BH
PITG_13848	Pi conserved hypothetical protein (	-32.2469	-35.5383	0.297774	0.918645	BH

PITG_13855	Pi phosphatidic acid phosphatase (	-32.218	-35.5961	0.297774	0.918645	BH
PITG_13915	Pi conserved hypothetical protein (	-32.2331	-35.566	0.297774	0.918645	BH
PITG_14462	Pi AP-1 complex subunit mu, putat	-32.261	-35.5102	0.297774	0.918645	BH
PITG_14596	Pi transcription initiation factor IIB,	-32.2596	-35.513	0.297774	0.918645	BH
PITG_14766	Pi conserved hypothetical protein (	-32.1639	-35.7044	0.297774	0.918645	BH
PITG_14914	Pi conserved hypothetical protein (	-32.2316	-35.5689	0.297774	0.918645	BH
PITG_15251	Pi conserved hypothetical protein (	-32.1932	-35.6456	0.297774	0.918645	BH
PITG_15641	Pi conserved hypothetical protein (	-32.2039	-35.6242	0.297774	0.918645	BH
PITG_15652	Pi H/ACA ribonucleoprotein compl	-32.2323	-35.5675	0.297774	0.918645	BH
PITG_16049	Pi conserved hypothetical protein (	-32.1679	-35.6963	0.297774	0.918645	BH
PITG_16474	Pi conserved hypothetical protein (	-32.1932	-35.6456	0.297774	0.918645	BH
PITG_16898	Pi hypothetical protein (426 nt)	-32.1773	-35.6776	0.297774	0.918645	BH
PITG_17021	Pi conserved hypothetical protein (	-32.1639	-35.7044	0.297774	0.918645	BH
PITG_17142	Pi Major Facilitator Superfamily (M	-32.2173	-35.5976	0.297774	0.918645	BH
PITG_17632	Pi conserved hypothetical protein (	-32.1639	-35.7044	0.297774	0.918645	BH
PITG_18355	Pi conserved hypothetical protein (	-32.2323	-35.5675	0.297774	0.918645	BH
PITG_18657	Pi conserved hypothetical protein (	-32.2447	-35.5427	0.297774	0.918645	BH
PITG_19038	Pi conserved hypothetical protein (	-32.218	-35.5961	0.297774	0.918645	BH
PITG_19124	Pi endoplasmic reticulum-Golgi int	-32.1901	-35.6519	0.297774	0.918645	BH
PITG_22069	Pi arginase, putative (598 nt)	-32.1548	-35.7226	0.297774	0.918645	BH
PITG_22687	Pi HECT E3 ubiquitin ligase, putativ	-32.1647	-35.7028	0.297774	0.918645	BH
PITG_02467	Pi translocation protein SEC63 (198	-13.6112	-1.8602	0.298612	0.918645	BH
PITG_00128	Pi conserved hypothetical protein (	-32.1893	-35.6536	0.298936	0.918645	BH
PITG_00200	Pi conserved hypothetical protein (	-32.2476	-35.5368	0.298936	0.918645	BH
PITG_00456	Pi conserved hypothetical protein (	-32.2071	-35.618	0.298936	0.918645	BH
PITG_00754	Pi gamma-glutamyltranspeptidase,	-32.1556	-35.7209	0.298936	0.918645	BH
PITG_00808	Pi conserved hypothetical protein (	-32.2203	-35.5915	0.298936	0.918645	BH
PITG_01747	Pi conserved hypothetical protein (	-32.2617	-35.5087	0.298936	0.918645	BH
PITG_01919	Pi Mitochondrial Carrier (MC) Fami	-32.2165	-35.5992	0.298936	0.918645	BH
PITG_02228	Pi conserved hypothetical protein (	-32.2476	-35.5368	0.298936	0.918645	BH
PITG_02286	Pi chromatin-remodeling complex	-32.1556	-35.7209	0.298936	0.918645	BH
PITG_02446	Pi cyclin-dependent kinase, putativ	-32.2203	-35.5915	0.298936	0.918645	BH
PITG_02628	Pi conserved hypothetical protein (	-32.2203	-35.5915	0.298936	0.918645	BH
PITG_03058	Pi cytochrome P450, putative (158	-32.2588	-35.5145	0.298936	0.918645	BH
PITG_03159	Pi conserved hypothetical protein (	-32.2588	-35.5145	0.298936	0.918645	BH
PITG_03557	Pi conserved hypothetical protein (	-32.2476	-35.5368	0.298936	0.918645	BH
PITG_03792	Pi 2,3-bisphosphoglycerate-indepe	-32.1556	-35.7209	0.298936	0.918645	BH
PITG_04023	Pi conserved hypothetical protein (	-32.2203	-35.5915	0.298936	0.918645	BH
PITG_04211	Pi conserved hypothetical protein (	-32.2071	-35.618	0.298936	0.918645	BH
PITG_04746	Pi conserved hypothetical protein (	-32.2165	-35.5992	0.298936	0.918645	BH
PITG_05318	Pi N-(5'-phosphoribosyl)anthranilat	-32.1813	-35.6696	0.298936	0.918645	BH
PITG_06674	Pi acetyl-CoA acetyltransferase IB (	-32.1556	-35.7209	0.298936	0.918645	BH
PITG_06708	Pi cyclin-dependent kinase, putativ	-32.2338	-35.5644	0.298936	0.918645	BH
PITG_06765	Pi conserved hypothetical protein (	-32.194	-35.644	0.298936	0.918645	BH
PITG_07701	Pi ubiquinone/menaquinone biosy	-32.1556	-35.7209	0.298936	0.918645	BH
PITG_08136	Pi conserved hypothetical protein (	-32.2617	-35.5087	0.298936	0.918645	BH
PITG_08473	Pi conserved hypothetical protein (	-32.2476	-35.5368	0.298936	0.918645	BH

PITG_09001	Pi conserved hypothetical protein (	-32.2301	-35.572	0.298936	0.918645	BH
PITG_09098	Pi conserved hypothetical protein (	-32.1893	-35.6536	0.298936	0.918645	BH
PITG_09459	Pi nitroreductase family, putative (	-32.2165	-35.5992	0.298936	0.918645	BH
PITG_09508	Pi ubiquitin carboxyl-terminal hydr	-32.2617	-35.5087	0.298936	0.918645	BH
PITG_10987	Pi Drug/Metabolite Transporter (D	-32.2071	-35.618	0.298936	0.918645	BH
PITG_11024	Pi conserved hypothetical protein (	-32.194	-35.644	0.298936	0.918645	BH
PITG_11086	Pi HIT domain-containing protein,	-32.2203	-35.5915	0.298936	0.918645	BH
PITG_11097	Pi mannose-1-phosphate guanyltra	-32.2476	-35.5368	0.298936	0.918645	BH
PITG_12753	Pi importin subunit alpha, putative	-32.2023	-35.6274	0.298936	0.918645	BH
PITG_12946	Pi hydroxyacylglutathione hydrolas	-32.163	-35.7061	0.298936	0.918645	BH
PITG_13493	Pi conserved hypothetical protein (	-32.2338	-35.5644	0.298936	0.918645	BH
PITG_14169	Pi conserved hypothetical protein (	-32.163	-35.7061	0.298936	0.918645	BH
PITG_14249	Pi conserved hypothetical protein (	-32.1556	-35.7209	0.298936	0.918645	BH
PITG_14259	Pi conserved hypothetical protein (	-32.2301	-35.572	0.298936	0.918645	BH
PITG_14812	Pi conserved hypothetical protein (	-32.2023	-35.6274	0.298936	0.918645	BH
PITG_15394	Pi serine protease family S33, puta	-32.2617	-35.5087	0.298936	0.918645	BH
PITG_15737	Pi conserved hypothetical protein (	-32.1556	-35.7209	0.298936	0.918645	BH
PITG_16038	Pi conserved hypothetical protein (	-32.2476	-35.5368	0.298936	0.918645	BH
PITG_16812	Pi anaphase-promoting complex su	-32.2476	-35.5368	0.298936	0.918645	BH
PITG_17600	Pi conserved hypothetical protein (	-32.2023	-35.6274	0.298936	0.918645	BH
PITG_17733	Pi conserved hypothetical protein (	-32.2301	-35.572	0.298936	0.918645	BH
PITG_17863	Pi MtN3-like protein (810 nt)	-32.2338	-35.5644	0.298936	0.918645	BH
PITG_17876	Pi transmembrane protein, putativ	-32.2023	-35.6274	0.298936	0.918645	BH
PITG_18521	Pi conserved hypothetical protein (	-32.163	-35.7061	0.298936	0.918645	BH
PITG_18860	Pi conserved hypothetical protein (	-32.2071	-35.618	0.298936	0.918645	BH
PITG_19466	Pi conserved hypothetical protein (	-32.2338	-35.5644	0.298936	0.918645	BH
PITG_19615	Pi hypothetical protein (5192 nt)	-32.1893	-35.6536	0.298936	0.918645	BH
PITG_19817	Pi conserved hypothetical protein (	-32.2617	-35.5087	0.298936	0.918645	BH
PITG_20800	Pi conserved hypothetical protein (	-32.1893	-35.6536	0.298936	0.918645	BH
PITG_22340	Pi conserved hypothetical protein (	-32.2588	-35.5145	0.298936	0.918645	BH
PITG_01652	Pi conserved hypothetical protein (	-32.2484	-35.5353	0.300101	0.918645	BH
PITG_02205	Pi conserved hypothetical protein (	-32.1688	-35.6946	0.300101	0.918645	BH
PITG_02233	Pi conserved hypothetical protein (	-32.1884	-35.6553	0.300101	0.918645	BH
PITG_02487	Pi conserved hypothetical protein (	-32.2484	-35.5353	0.300101	0.918645	BH
PITG_02716	Pi conserved hypothetical protein (	-32.2625	-35.5072	0.300101	0.918645	BH
PITG_02722	Pi conserved hypothetical protein (	-32.2625	-35.5072	0.300101	0.918645	BH
PITG_02917	Pi puromycin-sensitive aminopepti	-32.2211	-35.5898	0.300101	0.918645	BH
PITG_02979	Pi conserved hypothetical protein (	-32.2156	-35.6008	0.300101	0.918645	BH
PITG_03778	Pi Poly(A) polymerase, putative (22	-32.1688	-35.6946	0.300101	0.918645	BH
PITG_05201	Pi voltage-gated potassium channe	-32.2625	-35.5072	0.300101	0.918645	BH
PITG_05234	Pi conserved hypothetical protein (	-32.1688	-35.6946	0.300101	0.918645	BH
PITG_05413	Pi patatin-like phospholipase, puta	-32.2346	-35.5628	0.300101	0.918645	BH
PITG_05629	Pi Poly(A) polymerase, putative (19	-32.258	-35.516	0.300101	0.918645	BH
PITG_07326	Pi conserved hypothetical protein (	-32.2211	-35.5898	0.300101	0.918645	BH
PITG_07589	Pi conserved hypothetical protein (	-32.2484	-35.5353	0.300101	0.918645	BH
PITG_10184	Pi conserved hypothetical protein (	-32.2725	-35.4871	0.300101	0.918645	BH
PITG_11993	Pi glycoside hydrolase, putative (16	-32.2346	-35.5628	0.300101	0.918645	BH

PITG_12556	Pi elicitin-like INF6 (745 nt)	-32.2156	-35.6008	0.300101	0.918645	BH
PITG_12691	Pi conserved hypothetical protein (	-32.2346	-35.5628	0.300101	0.918645	BH
PITG_12820	Pi Mitochondrial Protein Transloca	-32.258	-35.516	0.300101	0.918645	BH
PITG_13364	Pi conserved hypothetical protein (	-32.2156	-35.6008	0.300101	0.918645	BH
PITG_13546	Pi sphingosine kinase, putative (17	-32.2484	-35.5353	0.300101	0.918645	BH
PITG_13659	Pi conserved hypothetical protein (	-32.2211	-35.5898	0.300101	0.918645	BH
PITG_13840	Pi conserved hypothetical protein (	-32.2211	-35.5898	0.300101	0.918645	BH
PITG_13971	Pi conserved hypothetical protein (	-32.2211	-35.5898	0.300101	0.918645	BH
PITG_14707	Pi SNF1-related protein kinase cata	-32.2079	-35.6163	0.300101	0.918645	BH
PITG_15672	Pi conserved hypothetical protein (	-32.2725	-35.4871	0.300101	0.918645	BH
PITG_15783	Pi conserved hypothetical protein (	-32.2725	-35.4871	0.300101	0.918645	BH
PITG_17161	Pi conserved hypothetical protein (	-32.2211	-35.5898	0.300101	0.918645	BH
PITG_17609	Pi conserved hypothetical protein (	-32.1565	-35.7192	0.300101	0.918645	BH
PITG_19164	Pi Mitochondrial Protein Transloca	-32.2346	-35.5628	0.300101	0.918645	BH
PITG_19410	Pi conserved hypothetical protein (	-32.1565	-35.7192	0.300101	0.918645	BH
PITG_21219	Pi conserved hypothetical protein (	-32.2211	-35.5898	0.300101	0.918645	BH
PITG_21389	Pi conserved hypothetical protein (	-32.1884	-35.6553	0.300101	0.918645	BH
PITG_21618	Pi Voltage-gated Ion Channel (VIC)	-32.2725	-35.4871	0.300101	0.918645	BH
PITG_22253	Pi hypothetical protein (633 nt)	-32.1565	-35.7192	0.300101	0.918645	BH
PITG_22644	Pi conserved hypothetical protein (	-32.258	-35.516	0.300101	0.918645	BH
PITG_00392	Pi serine protease family S33, puta	-32.1573	-35.7174	0.30127	0.918645	BH
PITG_00654	Pi DNA damage-inducible protein 1	-32.1573	-35.7174	0.30127	0.918645	BH
PITG_01128	Pi putative fatty-acid-CoA ligase, pi	-32.2632	-35.5056	0.30127	0.918645	BH
PITG_01614	Pi carbon catabolite repressor prot	-32.1949	-35.6422	0.30127	0.918645	BH
PITG_01679	Pi conserved hypothetical protein (	-32.1949	-35.6422	0.30127	0.918645	BH
PITG_01970	Pi enoyl-[acyl-carrier-protein] redu	-32.2632	-35.5056	0.30127	0.918645	BH
PITG_02044	Pi conserved hypothetical protein (	-32.1747	-35.6827	0.30127	0.918645	BH
PITG_02457	Pi protein kinase (2695 nt)	-32.2431	-35.546	0.30127	0.918645	BH
PITG_03940	Pi conserved hypothetical protein (	-32.2572	-35.5176	0.30127	0.918645	BH
PITG_04133	Pi conserved hypothetical protein (	-32.1573	-35.7174	0.30127	0.918645	BH
PITG_05467	Pi conserved hypothetical protein (	-32.2014	-35.6292	0.30127	0.918645	BH
PITG_06302	Pi M96 mating-specific protein farr	-32.1822	-35.6678	0.30127	0.918645	BH
PITG_06827	Pi DEAD/DEAH box RNA helicase, p	-32.2148	-35.6025	0.30127	0.918645	BH
PITG_07971	Pi conserved hypothetical protein (	-32.1949	-35.6422	0.30127	0.918645	BH
PITG_09543	Pi hypothetical protein (602 nt)	-32.2632	-35.5056	0.30127	0.918645	BH
PITG_10971	Pi protein kinase, putative (2405 nt)	-32.1573	-35.7174	0.30127	0.918645	BH
PITG_12739	Pi hypothetical protein (1072 nt)	-32.1949	-35.6422	0.30127	0.918645	BH
PITG_14111	Pi vacuolar protein sorting-associat	-32.1573	-35.7174	0.30127	0.918645	BH
PITG_19055	Pi conserved hypothetical protein (	-32.1822	-35.6678	0.30127	0.918645	BH
PITG_22311	Pi conserved hypothetical protein (	-32.2572	-35.5176	0.30127	0.918645	BH
PITG_02636	Pi conserved hypothetical protein (	-32.2492	-35.5337	0.30127	0.918645	BH
PITG_05010	Pi conserved hypothetical protein (	-32.1696	-35.6928	0.30127	0.918645	BH
PITG_05687	Pi conserved hypothetical protein (	-32.2492	-35.5337	0.30127	0.918645	BH
PITG_10012	Pi Drug/Metabolite Transporter (D	-32.1696	-35.6928	0.30127	0.918645	BH
PITG_15089	Pi ribosomal protein S6 kinase, put	-32.2492	-35.5337	0.30127	0.918645	BH
PITG_17137	Pi conserved hypothetical protein (	-32.2492	-35.5337	0.30127	0.918645	BH
PITG_18009	Pi conserved hypothetical protein (	-32.2492	-35.5337	0.30127	0.918645	BH

PITG_20197	Pi histone acetyltransferase, putati	-32.2492	-35.5337	0.30127	0.918645	BH
PITG_21282	Pi conserved hypothetical protein (	-32.1696	-35.6928	0.30127	0.918645	BH
PITG_11304	Pi conserved hypothetical protein (	-13.5996	-1.88588	0.302071	0.918645	BH
PITG_22200	Pi conserved hypothetical protein (	-12.4169	-1.34877	0.302194	0.918645	BH
PITG_20139	Pi Resistance-Nodulation-Cell Divis	-12.8517	-1.62212	0.302435	0.918645	BH
PITG_00269	Pi conserved hypothetical protein (	-32.1958	-35.6405	0.302443	0.918645	BH
PITG_00402	Pi conserved hypothetical protein (	-32.2088	-35.6145	0.302443	0.918645	BH
PITG_00703	Pi 2,4-dienoyl-CoA reductase (2346	-32.2088	-35.6145	0.302443	0.918645	BH
PITG_01591	Pi conserved hypothetical protein (	-32.2355	-35.5611	0.302443	0.918645	BH
PITG_03483	Pi splicing factor U2af large subuni	-32.222	-35.5881	0.302443	0.918645	BH
PITG_04283	Pi conserved hypothetical protein (	-32.1958	-35.6405	0.302443	0.918645	BH
PITG_04973	Pi conserved hypothetical protein (	-32.2716	-35.4888	0.302443	0.918645	BH
PITG_05239	Pi conserved hypothetical protein (	-32.1958	-35.6405	0.302443	0.918645	BH
PITG_05277	Pi conserved hypothetical protein (	-32.2088	-35.6145	0.302443	0.918645	BH
PITG_05480	Pi conserved hypothetical protein (	-32.2088	-35.6145	0.302443	0.918645	BH
PITG_09435	Pi conserved hypothetical protein (	-32.222	-35.5881	0.302443	0.918645	BH
PITG_09483	Pi conserved hypothetical protein (	-32.2355	-35.5611	0.302443	0.918645	BH
PITG_09789	Pi conserved hypothetical protein (	-32.2088	-35.6145	0.302443	0.918645	BH
PITG_10871	Pi U1 small nuclear ribonucleoprot	-32.2355	-35.5611	0.302443	0.918645	BH
PITG_11122	Pi Amino Acid-Polyamine-Organoca	-32.2422	-35.5477	0.302443	0.918645	BH
PITG_12124	Pi protein phosphatase 2C, putativ	-32.222	-35.5881	0.302443	0.918645	BH
PITG_14113	Pi conserved hypothetical protein (	-32.222	-35.5881	0.302443	0.918645	BH
PITG_14485	Pi conserved hypothetical protein (	-32.2088	-35.6145	0.302443	0.918645	BH
PITG_14988	Pi prefoldin subunit, putative (546	-32.2283	-35.5754	0.302443	0.918645	BH
PITG_15057	Pi cysteine desulfurase 1, mitochor	-32.2355	-35.5611	0.302443	0.918645	BH
PITG_15593	Pi conserved hypothetical protein (	-32.2088	-35.6145	0.302443	0.918645	BH
PITG_17140	Pi transmembrane protein, putativ	-32.2355	-35.5611	0.302443	0.918645	BH
PITG_18119	Pi conserved hypothetical protein (	-32.2088	-35.6145	0.302443	0.918645	BH
PITG_18301	Pi conserved hypothetical protein (	-32.2283	-35.5754	0.302443	0.918645	BH
PITG_18361	Pi inositol oxygenase (918 nt)	-32.2088	-35.6145	0.302443	0.918645	BH
PITG_20206	Pi ADP-ribosylation factor family (1	-32.1958	-35.6405	0.302443	0.918645	BH
PITG_21146	Pi conserved hypothetical protein (	-32.1958	-35.6405	0.302443	0.918645	BH
PITG_21557	Pi conserved hypothetical protein (	-32.2283	-35.5754	0.302443	0.918645	BH
PITG_03546	Pi hsp70-like protein (1825 nt)	-13.9416	2.421199	0.30257	0.918645	BH
PITG_00450	Pi conserved hypothetical protein (	-32.2563	-35.5194	0.303619	0.918645	BH
PITG_01470	Pi syntaxin-like protein (1174 nt)	-32.1583	-35.7155	0.303619	0.918645	BH
PITG_03103	Pi conserved hypothetical protein (	-32.1831	-35.6659	0.303619	0.918645	BH
PITG_03990	Pi conserved hypothetical protein (	-32.1706	-35.6909	0.303619	0.918645	BH
PITG_05599	Pi conserved hypothetical protein (	-32.1831	-35.6659	0.303619	0.918645	BH
PITG_05926	Pi conserved hypothetical protein (	-32.1706	-35.6909	0.303619	0.918645	BH
PITG_08469	Pi conserved hypothetical protein (	-32.1583	-35.7155	0.303619	0.918645	BH
PITG_11783	Pi conserved hypothetical protein (	-32.2641	-35.5039	0.303619	0.918645	BH
PITG_12584	Pi DNA binding protein, putative (1	-32.2641	-35.5039	0.303619	0.918645	BH
PITG_13368	Pi cyclin-like protein (1846 nt)	-32.2641	-35.5039	0.303619	0.918645	BH
PITG_17421	Pi hypothetical protein (1635 nt)	-32.1706	-35.6909	0.303619	0.918645	BH
PITG_18779	Pi conserved hypothetical protein (	-32.1583	-35.7155	0.303619	0.918645	BH
PITG_22765	Pi conserved hypothetical protein (	-32.2641	-35.5039	0.303619	0.918645	BH

PITG_19063	Pi hypothetical protein (1057 nt)	-12.0346	-1.37561	0.303719	0.918645	BH
PITG_17983	Pi adenylosuccinate lyase (1779 nt)	-14.2439	2.296349	0.303817	0.918645	BH
PITG_17919	Pi P-type ATPase (P-ATPase) Super	-12.464	1.986635	0.303895	0.918645	BH
PITG_16206	Pi conserved hypothetical protein (	-13.9155	2.366515	0.304182	0.918645	BH
PITG_13748	Pi ubiquitin-conjugating enzyme E2	-12.4471	-1.27495	0.304759	0.918645	BH
PITG_00211	Pi adenine phosphoribosyltransfer	-32.223	-35.5862	0.304798	0.918645	BH
PITG_00254	Pi mitogen-activated protein kinase	-32.2364	-35.5592	0.304798	0.918645	BH
PITG_00789	Pi conserved hypothetical protein (	-32.1865	-35.6591	0.304798	0.918645	BH
PITG_01647	Pi conserved hypothetical protein (	-32.2274	-35.5773	0.304798	0.918645	BH
PITG_01740	Pi conserved hypothetical protein (	-32.223	-35.5862	0.304798	0.918645	BH
PITG_03468	Pi endoplasmic oxidoreductin, puta	-32.2274	-35.5773	0.304798	0.918645	BH
PITG_03636	Pi hypothetical protein (383 nt)	-32.2274	-35.5773	0.304798	0.918645	BH
PITG_04405	Pi conserved hypothetical protein (	-32.2364	-35.5592	0.304798	0.918645	BH
PITG_04468	Pi Mitochondrial Carrier (MC) Fami	-32.2707	-35.4906	0.304798	0.918645	BH
PITG_05323	Pi conserved hypothetical protein (	-32.2707	-35.4906	0.304798	0.918645	BH
PITG_05653	Pi protein kinase, putative (3478 nt)	-32.2502	-35.5318	0.304798	0.918645	BH
PITG_06369	Pi myosin-like protein (840 nt)	-32.223	-35.5862	0.304798	0.918645	BH
PITG_08547	Pi conserved hypothetical protein (	-32.2097	-35.6126	0.304798	0.918645	BH
PITG_08679	Pi oxidoreductase family, putative	-32.223	-35.5862	0.304798	0.918645	BH
PITG_12160	Pi protein kinase, putative (1510 nt)	-32.1865	-35.6591	0.304798	0.918645	BH
PITG_14558	Pi conserved hypothetical protein (	-32.2097	-35.6126	0.304798	0.918645	BH
PITG_14975	Pi acetoacetyl-coenzyme A synthet	-32.2502	-35.5318	0.304798	0.918645	BH
PITG_15619	Pi protein kinase (957 nt)	-32.223	-35.5862	0.304798	0.918645	BH
PITG_16904	Pi protein kinase, putative (2597 nt)	-32.2364	-35.5592	0.304798	0.918645	BH
PITG_17781	Pi conserved hypothetical protein (	-32.2502	-35.5318	0.304798	0.918645	BH
PITG_18050	Pi conserved hypothetical protein (	-32.2097	-35.6126	0.304798	0.918645	BH
PITG_18189	Pi conserved hypothetical protein (	-32.2364	-35.5592	0.304798	0.918645	BH
PITG_18369	Pi conserved hypothetical protein (	-32.2097	-35.6126	0.304798	0.918645	BH
PITG_18424	Pi snurportin-like protein (1563 nt)	-32.1865	-35.6591	0.304798	0.918645	BH
PITG_19964	Pi conserved hypothetical protein (	-32.223	-35.5862	0.304798	0.918645	BH
PITG_20468	Pi conserved hypothetical protein (	-32.1996	-35.633	0.304798	0.918645	BH
PITG_13972	Pi U6 snRNA-associated Sm-like pro	-12.8962	-1.43715	0.30564	0.918645	BH
PITG_01342	Pi conserved hypothetical protein (	-32.1841	-35.6639	0.305982	0.918645	BH
PITG_01848	Pi dual specificity phosphatase, put	-32.1968	-35.6384	0.305982	0.918645	BH
PITG_03237	Pi conserved hypothetical protein (	-32.1716	-35.6889	0.305982	0.918645	BH
PITG_08740	Pi conserved hypothetical protein (	-32.1716	-35.6889	0.305982	0.918645	BH
PITG_09143	Pi hypothetical protein (607 nt)	-32.1968	-35.6384	0.305982	0.918645	BH
PITG_10462	Pi conserved hypothetical protein (	-32.1716	-35.6889	0.305982	0.918645	BH
PITG_13775	Pi phosphatidylinositol kinase (PIK-	-32.1841	-35.6639	0.305982	0.918645	BH
PITG_14362	Pi vacuolar proton translocating A1	-32.1716	-35.6889	0.305982	0.918645	BH
PITG_15354	Pi hypothetical protein (362 nt)	-32.1716	-35.6889	0.305982	0.918645	BH
PITG_17076	Pi conserved hypothetical protein (	-32.1716	-35.6889	0.305982	0.918645	BH
PITG_19411	Pi conserved hypothetical protein (	-32.1968	-35.6384	0.305982	0.918645	BH
PITG_21211	Pi conserved hypothetical protein (	-32.1968	-35.6384	0.305982	0.918645	BH
PITG_22468	Pi conserved hypothetical protein (	-32.1716	-35.6889	0.305982	0.918645	BH
PITG_20777	Pi hypothetical protein (584 nt)	-11.7472	-1.4108	0.306076	0.918645	BH
PITG_00188	Pi kinesin-like protein (3667 nt)	-32.2651	-35.5018	0.307168	0.918645	BH

PITG_00608	Pi conserved hypothetical protein (	-32.2651	-35.5018	0.307168	0.918645	BH
PITG_02145	Pi conserved hypothetical protein (	-32.2651	-35.5018	0.307168	0.918645	BH
PITG_03039	Pi conserved hypothetical protein (	-32.2511	-35.5298	0.307168	0.918645	BH
PITG_04612	Pi conserved hypothetical protein (	-32.2651	-35.5018	0.307168	0.918645	BH
PITG_06129	Pi conserved hypothetical protein (	-32.1594	-35.7134	0.307168	0.918645	BH
PITG_06272	Pi conserved hypothetical protein (	-32.2651	-35.5018	0.307168	0.918645	BH
PITG_06328	Pi Rab8 family GTPase, putative (20	-32.2651	-35.5018	0.307168	0.918645	BH
PITG_06453	Pi conserved hypothetical protein (	-32.1594	-35.7134	0.307168	0.918645	BH
PITG_06677	Pi conserved hypothetical protein (	-32.1855	-35.6612	0.307168	0.918645	BH
PITG_09835	Pi COP9 signalosome complex subu	-32.2511	-35.5298	0.307168	0.918645	BH
PITG_10085	Pi conserved hypothetical protein (	-32.2651	-35.5018	0.307168	0.918645	BH
PITG_11256	Pi conserved hypothetical protein (	-32.2651	-35.5018	0.307168	0.918645	BH
PITG_13488	Pi serine protease family S08A, put	-32.2264	-35.5793	0.307168	0.918645	BH
PITG_13727	Pi conserved hypothetical protein (	-32.1594	-35.7134	0.307168	0.918645	BH
PITG_14587	Pi conserved hypothetical protein (	-32.2651	-35.5018	0.307168	0.918645	BH
PITG_16930	Pi carbohydrate esterase, putative	-32.2511	-35.5298	0.307168	0.918645	BH
PITG_18101	Pi conserved hypothetical protein (	-32.2264	-35.5793	0.307168	0.918645	BH
PITG_00078	Pi kinesin-like protein (2754 nt)	-32.2375	-35.5571	0.308359	0.918645	BH
PITG_00685	Pi conserved hypothetical protein (	-32.224	-35.5841	0.308359	0.918645	BH
PITG_01349	Pi Type II (General) Secretory Path	-32.2375	-35.5571	0.308359	0.918645	BH
PITG_01386	Pi phospholipase, putative (3507 n	-32.224	-35.5841	0.308359	0.918645	BH
PITG_02992	Pi tyrosyl-tRNA synthetase, putativ	-32.224	-35.5841	0.308359	0.918645	BH
PITG_04680	Pi phosphoinositol transporter (20	-32.2375	-35.5571	0.308359	0.918645	BH
PITG_07964	Pi conserved hypothetical protein (	-32.224	-35.5841	0.308359	0.918645	BH
PITG_08451	Pi conserved hypothetical protein (	-32.2697	-35.4927	0.308359	0.918645	BH
PITG_15497	Pi conserved hypothetical protein (	-32.2697	-35.4927	0.308359	0.918645	BH
PITG_15848	Pi conserved hypothetical protein (	-32.224	-35.5841	0.308359	0.918645	BH
PITG_17075	Pi conserved hypothetical protein (	-32.2375	-35.5571	0.308359	0.918645	BH
PITG_00280	Pi conserved hypothetical protein (	-13.6814	-1.75791	0.308409	0.918645	BH
PITG_02755	Pi structural maintenance of chrom	-32.1727	-35.6867	0.309553	0.918645	BH
PITG_03391	Pi conserved hypothetical protein (	-32.2117	-35.6087	0.309553	0.918645	BH
PITG_04567	Pi conserved hypothetical protein (	-32.1727	-35.6867	0.309553	0.918645	BH
PITG_04609	Pi hypothetical protein (-4T49) (52	-32.1852	-35.6617	0.309553	0.918645	BH
PITG_06887	Pi myosin-like protein (1178 nt)	-32.1852	-35.6617	0.309553	0.918645	BH
PITG_07570	Pi conserved hypothetical protein (	-32.1979	-35.6362	0.309553	0.918645	BH
PITG_07809	Pi casein kinase I, putative (1634 n	-32.1979	-35.6362	0.309553	0.918645	BH
PITG_07815	Pi conserved hypothetical protein (	-32.1727	-35.6867	0.309553	0.918645	BH
PITG_08526	Pi conserved hypothetical protein (	-32.1979	-35.6362	0.309553	0.918645	BH
PITG_12728	Pi conserved hypothetical protein (	-32.1979	-35.6362	0.309553	0.918645	BH
PITG_13314	Pi conserved hypothetical protein (	-32.1979	-35.6362	0.309553	0.918645	BH
PITG_20035	Pi conserved hypothetical protein (	-32.1979	-35.6362	0.309553	0.918645	BH
PITG_13977	Pi serine/threonine-protein phosph	-13.7286	-1.64273	0.309826	0.918645	BH
PITG_07308	Pi rRNA 2'-O-methyltransferase fib	-12.6479	1.893579	0.310579	0.918645	BH
PITG_01146	Pi selenide, water dikinase, putativ	-32.1605	-35.7111	0.310751	0.918645	BH
PITG_03267	Pi conserved hypothetical protein (	-32.2662	-35.4997	0.310751	0.918645	BH
PITG_03660	Pi 60S ribosomal protein L6, putati	-32.2522	-35.5277	0.310751	0.918645	BH
PITG_04905	Pi conserved hypothetical protein (	-32.2522	-35.5277	0.310751	0.918645	BH



PITG_06748	Pi myb-like DNA-binding protein, p	-32.2662	-35.4997	0.310751	0.918645	BH
PITG_07745	Pi conserved hypothetical protein (	-32.2662	-35.4997	0.310751	0.918645	BH
PITG_08019	Pi conserved hypothetical protein (	-32.2522	-35.5277	0.310751	0.918645	BH
PITG_08573	Pi conserved hypothetical protein (	-32.2662	-35.4997	0.310751	0.918645	BH
PITG_10323	Pi hypothetical protein (382 nt)	-32.2662	-35.4997	0.310751	0.918645	BH
PITG_11176	Pi conserved hypothetical protein (	-32.1843	-35.6635	0.310751	0.918645	BH
PITG_12980	Pi conserved hypothetical protein (	-32.2522	-35.5277	0.310751	0.918645	BH
PITG_15280	Pi conserved hypothetical protein (	-32.2522	-35.5277	0.310751	0.918645	BH
PITG_10543	Pi conserved hypothetical protein (	-10.0598	-1.72084	0.31076	0.918645	BH
PITG_00383	Pi conserved hypothetical protein (	-32.2685	-35.495	0.311952	0.918645	BH
PITG_05315	Pi undecaprenyl pyrophosphate sy	-32.2386	-35.5549	0.311952	0.918645	BH
PITG_06114	Pi conserved hypothetical protein (	-32.2386	-35.5549	0.311952	0.918645	BH
PITG_06403	Pi conserved hypothetical protein (	-32.2252	-35.5818	0.311952	0.918645	BH
PITG_11193	Pi conserved hypothetical protein (	-32.2386	-35.5549	0.311952	0.918645	BH
PITG_13569	Pi endo-1,3(4)-beta-glucanase, put	-32.1973	-35.6375	0.311952	0.918645	BH
PITG_19746	Pi conserved hypothetical protein (	-32.2386	-35.5549	0.311952	0.918645	BH
PITG_21203	Pi conserved hypothetical protein (	-32.2252	-35.5818	0.311952	0.918645	BH
PITG_07562	Pi folate-Biopterin Transporter (FB	-14.3018	2.398467	0.312631	0.918645	BH
PITG_15071	Pi conserved hypothetical protein (	-32.1991	-35.6339	0.313157	0.918645	BH
PITG_19485	Pi CREG-like protein (834 nt)	-32.212	-35.608	0.313157	0.918645	BH
PITG_20081	Pi conserved hypothetical protein (	-32.1864	-35.6594	0.313157	0.918645	BH
PITG_11852	Pi C2 domain-containing protein, p	-10.961	-1.52546	0.313544	0.918645	BH
PITG_00516	Pi conserved hypothetical protein (	-32.1831	-35.6659	0.314366	0.918645	BH
PITG_11608	Pi conserved hypothetical protein (	-32.1617	-35.7088	0.314366	0.918645	BH
PITG_12104	Pi ATP-dependent DNA helicase 2 s	-32.1617	-35.7088	0.314366	0.918645	BH
PITG_12105	Pi N-terminal kinase-like protein (2	-32.1617	-35.7088	0.314366	0.918645	BH
PITG_13571	Pi endo-1,3(4)-beta-glucanase, put	-32.253	-35.5261	0.314366	0.918645	BH
PITG_17716	Pi voltage-dependent anion-selecti	-11.5942	1.822163	0.315469	0.918645	BH
PITG_13575	Pi ATP-binding Cassette (ABC) Supe	-13.927	2.372284	0.315573	0.918645	BH
PITG_00244	Pi hypothetical protein (2329 nt)	-32.2675	-35.4972	0.315579	0.918645	BH
PITG_01997	Pi dynein 1 light intermediate chain	-32.2535	-35.5251	0.315579	0.918645	BH
PITG_03075	Pi Cullin family protein, putative (3	-32.2675	-35.4972	0.315579	0.918645	BH
PITG_04647	Pi conserved hypothetical protein (	-32.2675	-35.4972	0.315579	0.918645	BH
PITG_10049	Pi protein kinase (2110 nt)	-32.2675	-35.4972	0.315579	0.918645	BH
PITG_13007	Pi conserved hypothetical protein (	-32.2675	-35.4972	0.315579	0.918645	BH
PITG_14394	Pi conserved hypothetical protein (	-32.2675	-35.4972	0.315579	0.918645	BH
PITG_15807	Pi conserved hypothetical protein (	-32.2535	-35.5251	0.315579	0.918645	BH
PITG_04379	Pi putative GPI-anchored serine-ric	-32.2399	-35.5524	0.316795	0.918645	BH
PITG_06735	Pi conserved hypothetical protein (	-32.2264	-35.5792	0.316795	0.918645	BH
PITG_15957	Pi serine protease family S33, puta	-32.2264	-35.5792	0.316795	0.918645	BH
PITG_22087	Pi ATP-binding Cassette (ABC) Supe	-32.2264	-35.5792	0.316795	0.918645	BH
PITG_22634	Pi conserved hypothetical protein (	-32.2672	-35.4976	0.316795	0.918645	BH
PITG_04376	Pi conserved hypothetical protein (	-13.6888	-1.74985	0.31715	0.918645	BH
PITG_02866	Pi conserved hypothetical protein (	-32.2819	-35.4683	0.318015	0.918645	BH
PITG_05505	Pi conserved hypothetical protein (	-32.2004	-35.6313	0.318015	0.918645	BH
PITG_09675	Pi phosphatidate cytidylyltransfera	-32.2819	-35.4683	0.318015	0.918645	BH
PITG_12099	Pi serine protease family S09A, put	-32.2133	-35.6054	0.318015	0.918645	BH

PITG_12258	Pi conserved hypothetical protein (	-32.2004	-35.6313	0.318015	0.918645	BH
PITG_09665	Pi protein kinase, putative (2399 nt)	-32.163	-35.7061	0.319239	0.918645	BH
PITG_14194	Pi carbohydrate esterase, putative	-32.1753	-35.6816	0.319239	0.918645	BH
PITG_00931	Pi conserved hypothetical protein (	-13.796	-1.49191	0.321072	0.918645	BH
PITG_04662	Pi conserved hypothetical protein (	-13.8049	-1.47405	0.321072	0.918645	BH
PITG_05847	Pi hypothetical protein (2153 nt)	-32.2549	-35.5222	0.321699	0.918645	BH
PITG_08002	Pi glucosylceramidase, putative (18	-32.2689	-35.4943	0.321699	0.918645	BH
PITG_08693	Pi hook domain-containing protein	-32.2689	-35.4943	0.321699	0.918645	BH
PITG_09039	Pi calcium/calmodulin-dependent	-32.2689	-35.4943	0.321699	0.918645	BH
PITG_09664	Pi protein kinase, putative (2462 nt)	-32.2549	-35.5222	0.321699	0.918645	BH
PITG_10292	Pi alcohol dehydrogenase, putative	-32.2658	-35.5005	0.321699	0.918645	BH
PITG_11571	Pi Crinkler (CRN) family protein, ps	-32.2549	-35.5222	0.321699	0.918645	BH
PITG_12537	Pi autophagy-related protein 7 (22	-32.2689	-35.4943	0.321699	0.918645	BH
PITG_13991	Pi nicotinate phosphoribosyltransf	-32.2689	-35.4943	0.321699	0.918645	BH
PITG_21077	Pi DNA-directed RNA polymerase II	-32.2549	-35.5222	0.321699	0.918645	BH
PITG_21114	Pi conserved hypothetical protein (	-32.2689	-35.4943	0.321699	0.918645	BH
PITG_00170	Pi vacuolar-sorting receptor, putati	-12.4602	-1.25093	0.321714	0.918645	BH
PITG_01940	Pi triosephosphate isomerase/glyc	-9.2687	1.92458	0.322806	0.918645	BH
PITG_06149	Pi conserved hypothetical protein (	-32.2413	-35.5494	0.322934	0.918645	BH
PITG_09279	Pi bZIP transcription factor, putativ	-32.2279	-35.5763	0.322934	0.918645	BH
PITG_19878	Pi protein kinase, putative (2849 nt)	-32.2019	-35.6284	0.324173	0.918645	BH
PITG_20503	Pi conserved hypothetical protein (	-32.2076	-35.6169	0.324173	0.918645	BH
PITG_01361	Pi conserved hypothetical protein (	-32.1645	-35.7032	0.325417	0.918645	BH
PITG_01453	Pi ubiquitin-specific protease, puta	-32.1893	-35.6536	0.325417	0.918645	BH
PITG_08480	Pi ubiquitin, putative (2784 nt)	-32.25	-35.532	0.325417	0.918645	BH
PITG_10335	Pi carnitine O-palmitoyltransferase	-32.1768	-35.6786	0.325417	0.918645	BH
PITG_10885	Pi conserved hypothetical protein (	-32.1768	-35.6786	0.325417	0.918645	BH
PITG_20273	Pi conserved hypothetical protein (	-32.1768	-35.6786	0.325417	0.918645	BH
PITG_13469	Pi hypothetical protein (765 nt)	-14.0412	2.585874	0.325479	0.918645	BH
PITG_08704	Pi fatty acid desaturase, putative (:	-14.7928	2.327407	0.326664	0.918645	BH
PITG_14578	Pi phosducin-like protein (715 nt)	-13.7831	-1.52255	0.327743	0.918645	BH
PITG_08110	Pi conserved hypothetical protein (	-32.193	-35.6462	0.327915	0.918645	BH
PITG_06247	Pi conserved hypothetical protein (	-32.2706	-35.491	0.329169	0.918645	BH
PITG_06303	Pi conserved hypothetical protein (	-32.2706	-35.491	0.329169	0.918645	BH
PITG_13168	Pi conserved hypothetical protein (	-32.2566	-35.5189	0.329169	0.918645	BH
PITG_13826	Pi hybrid signal transduction histidi	-32.2706	-35.491	0.329169	0.918645	BH
PITG_20868	Pi beta-glucan synthesis-associat	-32.2566	-35.5189	0.329169	0.918645	BH
PITG_09443	Pi prefoldin subunit 2, putative (58	-13.7638	-1.56235	0.329414	0.918645	BH
PITG_04124	Pi glycoside hydrolase, putative (86	-32.2296	-35.573	0.330428	0.918645	BH
PITG_04851	Pi arginase (1366 nt)	-32.243	-35.5461	0.330428	0.918645	BH
PITG_22991	Pi conserved hypothetical protein (	-32.243	-35.5461	0.330428	0.918645	BH
PITG_01450	Pi HECT E3 ubiquitin ligase, putativ	-32.2165	-35.5991	0.331691	0.918645	BH
PITG_03431	Pi conserved hypothetical protein (	-32.2035	-35.625	0.331691	0.918645	BH
PITG_05631	Pi myosin-like protein (6372 nt)	-32.2165	-35.5991	0.331691	0.918645	BH
PITG_13540	Pi hypothetical protein (3066 nt)	-32.2165	-35.5991	0.331691	0.918645	BH
PITG_09427	Pi conserved hypothetical protein (	-13.7603	-1.59617	0.332064	0.918645	BH
PITG_05830	Pi conserved hypothetical protein (	-32.2784	-35.4753	0.332958	0.918645	BH

PITG_10514	Pi kinesin-like protein (1702 nt)	-32.1784	-35.6753	0.332958	0.918645	BH
PITG_19607	Pi histone arginine demethylase, p	-32.1784	-35.6753	0.332958	0.918645	BH
PITG_13689	Pi crinkler (CRN) family protein, Gy	-13.7027	-1.73489	0.333052	0.918645	BH
PITG_18720	Pi ATP-citrate synthase (3410 nt)	-12.7923	1.851849	0.334977	0.918645	BH
PITG_02222	Pi conserved hypothetical protein (	-32.293	-35.4461	0.336782	0.918645	BH
PITG_22676	Pi secreted RxLR effector peptide,	-32.1911	-35.65	0.336782	0.918645	BH
PITG_06566	Pi long-chain-fatty-acid-CoA ligase,	-13.7901	-1.51704	0.339466	0.918645	BH
PITG_00279	Pi ubiquitin carboxyl-terminal hydr	-12.9614	-1.29929	0.34025	0.918645	BH
PITG_17854	Pi conserved hypothetical protein (	-32.2039	-35.6243	0.340643	0.918645	BH
PITG_18332	Pi glycoside hydrolase, putative (11	-32.2039	-35.6243	0.340643	0.918645	BH
PITG_01419	Pi Major Facilitator Superfamily (M	-32.2316	-35.569	0.340643	0.918645	BH
PITG_05070	Pi conserved hypothetical protein (	-32.2316	-35.569	0.340643	0.918645	BH
PITG_06937	Pi metalloprotease family M48X, p	-32.308	-35.4162	0.340643	0.918645	BH
PITG_12466	Pi Proton-dependent Oligopeptide	-32.245	-35.5421	0.340643	0.918645	BH
PITG_10552	Pi hypothetical protein (1882 nt)	-13.4294	1.976476	0.340706	0.918645	BH
PITG_19668	Pi conserved hypothetical protein (	-13.7659	-1.5668	0.341145	0.918645	BH
PITG_22076	Pi conserved hypothetical protein (	-32.2764	-35.4794	0.341938	0.918645	BH
PITG_05434	Pi importin subunit beta, putative (	-13.7669	-1.56602	0.342826	0.918645	BH
PITG_11290	Pi solute carrier family, facilitated t	-13.7669	-1.56602	0.342826	0.918645	BH
PITG_06608	Pi ubiquitin-conjugating enzyme E2	-11.8323	-1.20743	0.342988	0.918645	BH
PITG_01616	Pi metalloprotease family M01, pu	-32.1929	-35.6463	0.343237	0.918645	BH
PITG_06427	Pi serine hydroxymethyltransferase	-11.5186	1.882868	0.343837	0.918645	BH
PITG_11662	Pi ankyrin-like protein (2233 nt)	-32.2886	-35.455	0.345849	0.918645	BH
PITG_03712	Pi elongation factor 3, putative (33	-11.5937	-1.23952	0.346628	0.918645	BH
PITG_16968	Pi glucan 1,3-beta-glucosidase, put	-32.2744	-35.4832	0.34716	0.918645	BH
PITG_03456	Pi GPI ethanolamine phosphate tra	-32.3061	-35.42	0.34716	0.918645	BH
PITG_04522	Pi peptidyl-prolyl cis-trans isomera	-8.97276	1.766927	0.347533	0.918645	BH
PITG_14829	Pi conserved hypothetical protein (	-32.2334	-35.5653	0.348476	0.918645	BH
PITG_21255	Pi conserved hypothetical protein (	-32.2469	-35.5384	0.348476	0.918645	BH
PITG_22680	Pi conserved hypothetical protein (	-32.2334	-35.5653	0.348476	0.918645	BH
PITG_01791	Pi protein disulfide-isomerase, put	-12.4628	-1.27732	0.348648	0.918645	BH
PITG_00005	Pi protein kinase, putative (1646 nt)	-32.2073	-35.6174	0.349797	0.918645	BH
PITG_03410	Pi acetolactate synthase small subu	-12.9208	-1.41474	0.351716	0.918645	BH
PITG_09289	Pi eukaryotic translation initiation	-13.6304	1.813476	0.352319	0.918645	BH
PITG_19606	Pi conserved hypothetical protein (	-13.659	1.870607	0.352319	0.918645	BH
PITG_05374	Pi argininosuccinate synthase (151	-11.5827	1.668087	0.352462	0.918645	BH
PITG_09402	Pi phosphoglycerate kinase (981 nt)	-10.814	-1.27251	0.35371	0.918645	BH
PITG_08761	Pi nucleoside diphosphate kinase B	-13.6785	1.904689	0.355617	0.918645	BH
PITG_00173	Pi vesicle-associated membrane pr	-32.8891	-34.254	0.357526	0.918645	BH
PITG_00336	Pi conserved hypothetical protein (	-32.8831	-34.266	0.357526	0.918645	BH
PITG_01458	Pi pyruvate dehydrogenase (1731 nt)	-32.9185	-34.195	0.357526	0.918645	BH
PITG_01646	Pi hypothetical protein (2339 nt)	-32.9185	-34.195	0.357526	0.918645	BH
PITG_02048	Pi conserved hypothetical protein (	-32.9185	-34.195	0.357526	0.918645	BH
PITG_02290	Pi conserved hypothetical protein (	-32.9185	-34.195	0.357526	0.918645	BH
PITG_02473	Pi HECT E3 ubiquitin ligase, putativ	-32.8891	-34.254	0.357526	0.918645	BH
PITG_02516	Pi conserved hypothetical protein (	-32.8831	-34.266	0.357526	0.918645	BH
PITG_02625	Pi conserved hypothetical protein (	-32.8831	-34.266	0.357526	0.918645	BH

PITG_02688	Pi conserved hypothetical protein (	-32.8891	-34.254	0.357526	0.918645	BH
PITG_03259	Pi conserved hypothetical protein (	-32.8831	-34.266	0.357526	0.918645	BH
PITG_03295	Pi copper-transporting ATPase, put	-32.8831	-34.266	0.357526	0.918645	BH
PITG_03525	Pi cleavage induced serine proteas	-32.9185	-34.195	0.357526	0.918645	BH
PITG_04443	Pi Metal Ion (Mn <sup>2+</sup> -iron) Transport	-32.9185	-34.195	0.357526	0.918645	BH
PITG_04453	Pi conserved hypothetical protein (	-32.9185	-34.195	0.357526	0.918645	BH
PITG_04619	Pi protein kinase (3108 nt)	-32.8831	-34.266	0.357526	0.918645	BH
PITG_04683	Pi bifunctional fold protein (897 nt	-32.9185	-34.195	0.357526	0.918645	BH
PITG_05260	Pi pre-mRNA-splicing factor ATP-de	-32.9185	-34.195	0.357526	0.918645	BH
PITG_05867	Pi sister chromatid cohesion protei	-32.8831	-34.266	0.357526	0.918645	BH
PITG_06151	Pi conserved hypothetical protein (	-32.8891	-34.254	0.357526	0.918645	BH
PITG_06638	Pi lysocardiolipin acyltransferase, p	-32.9185	-34.195	0.357526	0.918645	BH
PITG_06897	Pi conserved hypothetical protein (	-32.9185	-34.195	0.357526	0.918645	BH
PITG_07767	Pi conserved hypothetical protein (	-32.9185	-34.195	0.357526	0.918645	BH
PITG_08197	Pi mitochondrial intermediate pep	-32.8831	-34.266	0.357526	0.918645	BH
PITG_08293	Pi conserved hypothetical protein (	-32.8831	-34.266	0.357526	0.918645	BH
PITG_08550	Pi conserved hypothetical protein (	-32.9185	-34.195	0.357526	0.918645	BH
PITG_09086	Pi conserved hypothetical protein (	-32.9185	-34.195	0.357526	0.918645	BH
PITG_09534	Pi conserved hypothetical protein (	-32.9185	-34.195	0.357526	0.918645	BH
PITG_10473	Pi conserved hypothetical protein (	-32.8831	-34.266	0.357526	0.918645	BH
PITG_10664	Pi Intraflagellar Transport Protein 1	-32.9185	-34.195	0.357526	0.918645	BH
PITG_10813	Pi endoplasmic reticulum metallo	-32.9185	-34.195	0.357526	0.918645	BH
PITG_10868	Pi conserved hypothetical protein (	-32.8891	-34.254	0.357526	0.918645	BH
PITG_11117	Pi conserved hypothetical protein (	-32.8831	-34.266	0.357526	0.918645	BH
PITG_11162	Pi hypothetical protein (567 nt)	-32.9185	-34.195	0.357526	0.918645	BH
PITG_11236	Pi protein kinase, putative (2277 nt	-32.8891	-34.254	0.357526	0.918645	BH
PITG_11271	Pi conserved hypothetical protein (	-32.9185	-34.195	0.357526	0.918645	BH
PITG_12219	Pi Zinc (Zn <sup>2+</sup> )-Iron (Fe <sup>2+</sup> ) Permease	-32.8891	-34.254	0.357526	0.918645	BH
PITG_12274	Pi conserved hypothetical protein (	-32.8831	-34.266	0.357526	0.918645	BH
PITG_13661	Pi conserved hypothetical protein (	-32.8891	-34.254	0.357526	0.918645	BH
PITG_14223	Pi conserved hypothetical protein (	-32.8891	-34.254	0.357526	0.918645	BH
PITG_14365	Pi conserved hypothetical protein (	-32.9185	-34.195	0.357526	0.918645	BH
PITG_15091	Pi conserved hypothetical protein (	-32.8831	-34.266	0.357526	0.918645	BH
PITG_15500	Pi conserved hypothetical protein (	-32.8891	-34.254	0.357526	0.918645	BH
PITG_16010	Pi conserved hypothetical protein (	-32.8831	-34.266	0.357526	0.918645	BH
PITG_16022	Pi conserved hypothetical protein (	-32.8831	-34.266	0.357526	0.918645	BH
PITG_16163	Pi conserved hypothetical protein (	-32.8831	-34.266	0.357526	0.918645	BH
PITG_16455	Pi conserved hypothetical protein (	-32.9185	-34.195	0.357526	0.918645	BH
PITG_16962	Pi hypothetical protein (615 nt)	-32.8831	-34.266	0.357526	0.918645	BH
PITG_17383	Pi hsp70-like protein (1525 nt)	-32.8831	-34.266	0.357526	0.918645	BH
PITG_17460	Pi DEAD/DEAH box RNA helicase, p	-32.8831	-34.266	0.357526	0.918645	BH
PITG_17895	Pi conserved hypothetical protein (	-32.9185	-34.195	0.357526	0.918645	BH
PITG_18185	Pi phospholipase D, Pi-sPLD-like-1	-32.8891	-34.254	0.357526	0.918645	BH
PITG_18254	Pi conserved hypothetical protein (	-32.9185	-34.195	0.357526	0.918645	BH
PITG_19096	Pi phospho-2-dehydro-3-deoxyhep	-32.8891	-34.254	0.357526	0.918645	BH
PITG_19143	Pi conserved hypothetical protein (	-32.8831	-34.266	0.357526	0.918645	BH
PITG_19469	Pi conserved hypothetical protein (	-32.8831	-34.266	0.357526	0.918645	BH

PITG_19860	Pi conserved hypothetical protein (	-32.8831	-34.266	0.357526	0.918645	BH
PITG_20027	Pi Major Facilitator Superfamily (M	-32.8831	-34.266	0.357526	0.918645	BH
PITG_21419	Pi conserved hypothetical protein (	-32.9185	-34.195	0.357526	0.918645	BH
PITG_21595	Pi conserved hypothetical protein (	-32.9185	-34.195	0.357526	0.918645	BH
PITG_21597	Pi conserved hypothetical protein (	-32.8891	-34.254	0.357526	0.918645	BH
PITG_00223	Pi DNA repair and recombination p	-32.956	-34.12	0.357526	0.918645	BH
PITG_00343	Pi conserved hypothetical protein (	-32.956	-34.12	0.357526	0.918645	BH
PITG_00377	Pi hypothetical protein (1021 nt)	-32.9221	-34.188	0.357526	0.918645	BH
PITG_00419	Pi conserved hypothetical protein (	-32.9221	-34.188	0.357526	0.918645	BH
PITG_00504	Pi conserved hypothetical protein (	-32.9221	-34.188	0.357526	0.918645	BH
PITG_00509	Pi conserved hypothetical protein (	-32.956	-34.12	0.357526	0.918645	BH
PITG_00646	Pi protein kinase, putative (2411 nt)	-32.956	-34.12	0.357526	0.918645	BH
PITG_00713	Pi synaptic vesicle glycoprotein 2A,	-32.956	-34.12	0.357526	0.918645	BH
PITG_00778	Pi conserved hypothetical protein (	-32.9602	-34.1117	0.357526	0.918645	BH
PITG_00996	Pi conserved hypothetical protein (	-32.956	-34.12	0.357526	0.918645	BH
PITG_01051	Pi Amino Acid-Polyamine-Organoc	-32.9221	-34.188	0.357526	0.918645	BH
PITG_01424	Pi conserved hypothetical protein (	-32.9602	-34.1117	0.357526	0.918645	BH
PITG_01463	Pi hypothetical protein (1847 nt)	-32.956	-34.12	0.357526	0.918645	BH
PITG_01751	Pi conserved hypothetical protein (	-32.9221	-34.188	0.357526	0.918645	BH
PITG_02032	Pi tRNA (guanine-N(1)-)-methyltra	-32.956	-34.12	0.357526	0.918645	BH
PITG_02229	Pi conserved hypothetical protein (	-32.886	-34.2601	0.357526	0.918645	BH
PITG_02399	Pi conserved hypothetical protein (	-32.886	-34.2601	0.357526	0.918645	BH
PITG_02477	Pi conserved hypothetical protein (	-32.956	-34.12	0.357526	0.918645	BH
PITG_02978	Pi Chloride Channel (ClC) Family (1	-32.956	-34.12	0.357526	0.918645	BH
PITG_03094	Pi conserved hypothetical protein (	-32.956	-34.12	0.357526	0.918645	BH
PITG_03268	Pi conserved hypothetical protein (	-32.956	-34.12	0.357526	0.918645	BH
PITG_03338	Pi hypothetical protein (846 nt)	-32.9221	-34.188	0.357526	0.918645	BH
PITG_03359	Pi conserved hypothetical protein (	-32.886	-34.2601	0.357526	0.918645	BH
PITG_03523	Pi general transcription factor IIH s	-32.9221	-34.188	0.357526	0.918645	BH
PITG_03606	Pi conserved oligomeric Golgi com	-32.9221	-34.188	0.357526	0.918645	BH
PITG_03736	Pi conserved hypothetical protein (	-32.886	-34.2601	0.357526	0.918645	BH
PITG_03966	Pi NhaC Na :H Antiporter (NhaC) F	-32.956	-34.12	0.357526	0.918645	BH
PITG_04345	Pi hypothetical protein (735 nt)	-32.956	-34.12	0.357526	0.918645	BH
PITG_04512	Pi conserved hypothetical protein (	-32.886	-34.2601	0.357526	0.918645	BH
PITG_04561	Pi conserved hypothetical protein (	-32.956	-34.12	0.357526	0.918645	BH
PITG_04691	Pi pyridine nucleotide-disulphide o	-32.956	-34.12	0.357526	0.918645	BH
PITG_04903	Pi conserved hypothetical protein (	-32.9602	-34.1117	0.357526	0.918645	BH
PITG_04989	Pi sorbitol dehydrogenase, putativ	-32.9602	-34.1117	0.357526	0.918645	BH
PITG_05168	Pi conserved hypothetical protein (	-32.886	-34.2601	0.357526	0.918645	BH
PITG_05281	Pi hypothetical protein (841 nt)	-32.9221	-34.188	0.357526	0.918645	BH
PITG_05300	Pi methyltransferase (2289 nt)	-32.886	-34.2601	0.357526	0.918645	BH
PITG_05321	Pi conserved hypothetical protein (	-32.9602	-34.1117	0.357526	0.918645	BH
PITG_05381	Pi protein phosphatase 2C, putativ	-32.956	-34.12	0.357526	0.918645	BH
PITG_05879	Pi hypothetical protein (704 nt)	-32.956	-34.12	0.357526	0.918645	BH
PITG_05882	Pi conserved hypothetical protein (	-32.886	-34.2601	0.357526	0.918645	BH
PITG_06402	Pi formin-homology 2 domain-cont	-32.9221	-34.188	0.357526	0.918645	BH
PITG_06963	Pi cyclin-Y-like protein (2863 nt)	-32.886	-34.2601	0.357526	0.918645	BH

PITG_07104	Pi ADP-ribosylation factor GTPase-	-32.9221	-34.188	0.357526	0.918645	BH
PITG_07841	Pi glycyl-tRNA synthetase (1528 nt)	-32.9221	-34.188	0.357526	0.918645	BH
PITG_07888	Pi conserved hypothetical protein (	-32.956	-34.12	0.357526	0.918645	BH
PITG_07988	Pi sulfatase-like protein (2735 nt)	-32.9221	-34.188	0.357526	0.918645	BH
PITG_08409	Pi conserved hypothetical protein (	-32.956	-34.12	0.357526	0.918645	BH
PITG_08503	Pi conserved hypothetical protein (	-32.956	-34.12	0.357526	0.918645	BH
PITG_09474	Pi conserved hypothetical protein (	-32.9221	-34.188	0.357526	0.918645	BH
PITG_09625	Pi conserved hypothetical protein (	-32.956	-34.12	0.357526	0.918645	BH
PITG_09753	Pi conserved hypothetical protein (	-32.956	-34.12	0.357526	0.918645	BH
PITG_09953	Pi guanylate-binding protein, putat	-32.956	-34.12	0.357526	0.918645	BH
PITG_10784	Pi conserved hypothetical protein (	-32.9602	-34.1117	0.357526	0.918645	BH
PITG_11816	Pi conserved hypothetical protein (	-32.956	-34.12	0.357526	0.918645	BH
PITG_12239	Pi conserved hypothetical protein (	-32.956	-34.12	0.357526	0.918645	BH
PITG_12340	Pi sulfite oxidase, putative (779 nt)	-32.956	-34.12	0.357526	0.918645	BH
PITG_12884	Pi conserved hypothetical protein (	-32.9221	-34.188	0.357526	0.918645	BH
PITG_13031	Pi vaiable flagellar number 3 (2096	-32.956	-34.12	0.357526	0.918645	BH
PITG_13574	Pi hypothetical protein (773 nt)	-32.886	-34.2601	0.357526	0.918645	BH
PITG_13650	Pi conserved hypothetical protein (	-32.9221	-34.188	0.357526	0.918645	BH
PITG_13833	Pi conserved hypothetical protein (	-32.9221	-34.188	0.357526	0.918645	BH
PITG_13893	Pi conserved hypothetical protein (	-32.9602	-34.1117	0.357526	0.918645	BH
PITG_14189	Pi conserved hypothetical protein (	-32.9602	-34.1117	0.357526	0.918645	BH
PITG_15240	Pi conserved hypothetical protein (	-32.9221	-34.188	0.357526	0.918645	BH
PITG_15566	Pi RNA polymerase I-specific transc	-32.886	-34.2601	0.357526	0.918645	BH
PITG_15621	Pi conserved hypothetical protein (	-32.886	-34.2601	0.357526	0.918645	BH
PITG_15883	Pi myotubularin-like protein (3379	-32.9602	-34.1117	0.357526	0.918645	BH
PITG_16062	Pi conserved hypothetical protein (	-32.886	-34.2601	0.357526	0.918645	BH
PITG_16103	Pi Major Facilitator Superfamily (M	-32.9602	-34.1117	0.357526	0.918645	BH
PITG_16273	Pi M96 mating-specific protein far	-32.956	-34.12	0.357526	0.918645	BH
PITG_16316	Pi conserved hypothetical protein (	-32.956	-34.12	0.357526	0.918645	BH
PITG_16382	Pi HAM34-like putative membrane	-32.9602	-34.1117	0.357526	0.918645	BH
PITG_16487	Pi cell 5A endo-1,4-betaglucanase,	-32.9221	-34.188	0.357526	0.918645	BH
PITG_16795	Pi conserved hypothetical protein (	-32.956	-34.12	0.357526	0.918645	BH
PITG_16813	Pi Rio kinase (1437 nt)	-32.956	-34.12	0.357526	0.918645	BH
PITG_17241	Pi leucine carboxyl methyltransfer	-32.9602	-34.1117	0.357526	0.918645	BH
PITG_17270	Pi conserved hypothetical protein (	-32.9221	-34.188	0.357526	0.918645	BH
PITG_17403	Pi conserved hypothetical protein (	-32.9602	-34.1117	0.357526	0.918645	BH
PITG_17651	Pi conserved hypothetical protein (	-32.956	-34.12	0.357526	0.918645	BH
PITG_18004	Pi conserved hypothetical protein (	-32.9221	-34.188	0.357526	0.918645	BH
PITG_18227	Pi conserved hypothetical protein (	-32.956	-34.12	0.357526	0.918645	BH
PITG_18411	Pi conserved hypothetical protein (	-32.9221	-34.188	0.357526	0.918645	BH
PITG_19364	Pi pantothenate kinase, putative (1	-32.9221	-34.188	0.357526	0.918645	BH
PITG_19458	Pi protein kinase (1187 nt)	-32.956	-34.12	0.357526	0.918645	BH
PITG_19931	Pi conserved hypothetical protein (	-32.956	-34.12	0.357526	0.918645	BH
PITG_20044	Pi hypothetical protein (1462 nt)	-32.886	-34.2601	0.357526	0.918645	BH
PITG_20790	Pi DEAD/DEAH box RNA helicase, p	-32.9221	-34.188	0.357526	0.918645	BH
PITG_21150	Pi Folate-Biopterin Transporter (FB	-32.9221	-34.188	0.357526	0.918645	BH
PITG_21416	Pi conserved hypothetical protein (	-32.9602	-34.1117	0.357526	0.918645	BH

PITG_21495	Pi hypothetical protein (743 nt)	-32.956	-34.12	0.357526	0.918645	BH
PITG_22369	Pi conserved hypothetical protein (	-32.886	-34.2601	0.357526	0.918645	BH
PITG_23240	Pi conserved hypothetical protein (	-32.956	-34.12	0.357526	0.918645	BH
PITG_00051	Pi DNA-directed RNA polymerase II	-33.0007	-34.0307	0.358295	0.918645	BH
PITG_00294	Pi carbohydrate esterase, putative	-32.8569	-34.3182	0.358295	0.918645	BH
PITG_00398	Pi conserved hypothetical protein (	-32.9958	-34.0405	0.358295	0.918645	BH
PITG_00514	Pi myb-like DNA-binding protein, p	-33.0007	-34.0307	0.358295	0.918645	BH
PITG_01200	Pi conserved hypothetical protein (	-33.0382	-33.9558	0.358295	0.918645	BH
PITG_01230	Pi hypothetical protein (1386 nt)	-32.8569	-34.3182	0.358295	0.918645	BH
PITG_01864	Pi conserved hypothetical protein (	-32.9256	-34.1809	0.358295	0.918645	BH
PITG_02507	Pi conserved hypothetical protein (	-32.8569	-34.3182	0.358295	0.918645	BH
PITG_02666	Pi protein kinase, putative (3176 nt)	-32.9958	-34.0405	0.358295	0.918645	BH
PITG_03109	Pi conserved hypothetical protein (	-32.9256	-34.1809	0.358295	0.918645	BH
PITG_03302	Pi conserved hypothetical protein (	-33.0007	-34.0307	0.358295	0.918645	BH
PITG_03324	Pi ATP-dependent RNA helicase, pu	-32.9958	-34.0405	0.358295	0.918645	BH
PITG_03362	Pi HECT E3 ubiquitin ligase, putativ	-33.0007	-34.0307	0.358295	0.918645	BH
PITG_03493	Pi amidophosphoribosyltransferase	-32.9958	-34.0405	0.358295	0.918645	BH
PITG_03570	Pi conserved hypothetical protein (	-32.8569	-34.3182	0.358295	0.918645	BH
PITG_03751	Pi nipped-B-like protein (7782 nt)	-33.0382	-33.9558	0.358295	0.918645	BH
PITG_04475	Pi hypothetical protein (1193 nt)	-33.0007	-34.0307	0.358295	0.918645	BH
PITG_04646	Pi ATP-binding Cassette (ABC) Super	-32.9958	-34.0405	0.358295	0.918645	BH
PITG_04664	Pi conserved hypothetical protein (	-32.9958	-34.0405	0.358295	0.918645	BH
PITG_05610	Pi conserved hypothetical protein (	-32.9958	-34.0405	0.358295	0.918645	BH
PITG_05681	Pi conserved hypothetical protein (	-33.0007	-34.0307	0.358295	0.918645	BH
PITG_06329	Pi conserved hypothetical protein (	-32.8569	-34.3182	0.358295	0.918645	BH
PITG_06864	Pi cytosolic endo-beta-N-acetylgluc	-33.0382	-33.9558	0.358295	0.918645	BH
PITG_07099	Pi conserved hypothetical protein (	-33.0382	-33.9558	0.358295	0.918645	BH
PITG_07599	Pi tubulin-specific chaperone E, pu	-32.9256	-34.1809	0.358295	0.918645	BH
PITG_08009	Pi conserved hypothetical protein (	-32.8569	-34.3182	0.358295	0.918645	BH
PITG_08900	Pi protein kinase (1363 nt)	-32.9958	-34.0405	0.358295	0.918645	BH
PITG_09320	Pi ATP-binding Cassette (ABC) Super	-33.0007	-34.0307	0.358295	0.918645	BH
PITG_10136	Pi conserved hypothetical protein (	-33.0382	-33.9558	0.358295	0.918645	BH
PITG_10564	Pi conserved hypothetical protein (	-32.9256	-34.1809	0.358295	0.918645	BH
PITG_10783	Pi CorA Metal Ion Transporter (MII	-33.0382	-33.9558	0.358295	0.918645	BH
PITG_11039	Pi conserved hypothetical protein (	-33.0382	-33.9558	0.358295	0.918645	BH
PITG_11473	Pi hypothetical protein (240 nt)	-32.9256	-34.1809	0.358295	0.918645	BH
PITG_11813	Pi conserved hypothetical protein (	-32.9256	-34.1809	0.358295	0.918645	BH
PITG_12887	Pi conserved hypothetical protein (	-32.9958	-34.0405	0.358295	0.918645	BH
PITG_13309	Pi conserved hypothetical protein (	-32.8569	-34.3182	0.358295	0.918645	BH
PITG_13432	Pi conserved hypothetical protein (	-32.9958	-34.0405	0.358295	0.918645	BH
PITG_13621	Pi conserved hypothetical protein (	-32.9958	-34.0405	0.358295	0.918645	BH
PITG_14643	Pi conserved hypothetical protein (	-32.9958	-34.0405	0.358295	0.918645	BH
PITG_16104	Pi cryptochrome, putative (2154 nt)	-33.0382	-33.9558	0.358295	0.918645	BH
PITG_16340	Pi conserved hypothetical protein (	-33.0382	-33.9558	0.358295	0.918645	BH
PITG_16453	Pi conserved hypothetical protein (	-33.0382	-33.9558	0.358295	0.918645	BH
PITG_17001	Pi conserved hypothetical protein (	-32.9958	-34.0405	0.358295	0.918645	BH
PITG_17015	Pi conserved hypothetical protein (	-32.8569	-34.3182	0.358295	0.918645	BH

PITG_17347	Pi conserved hypothetical protein (	-32.9256	-34.1809	0.358295	0.918645	BH
PITG_17675	Pi bzip regulated hypothetical prot	-32.9958	-34.0405	0.358295	0.918645	BH
PITG_17734	Pi conserved hypothetical protein (	-33.0382	-33.9558	0.358295	0.918645	BH
PITG_17927	Pi hypothetical protein (2235 nt)	-32.8569	-34.3182	0.358295	0.918645	BH
PITG_18103	Pi Poly(A) RNA polymerase, putativ	-33.0382	-33.9558	0.358295	0.918645	BH
PITG_18314	Pi mitochondrial 2-oxoglutarate/m	-33.0382	-33.9558	0.358295	0.918645	BH
PITG_18726	Pi conserved hypothetical protein (	-33.0007	-34.0307	0.358295	0.918645	BH
PITG_19351	Pi kinesin-like protein (1519 nt)	-32.9958	-34.0405	0.358295	0.918645	BH
PITG_19550	Pi phosphatidylserine decarboxylas	-32.9958	-34.0405	0.358295	0.918645	BH
PITG_19589	Pi Crinkler (CRN) family protein (18	-32.9958	-34.0405	0.358295	0.918645	BH
PITG_19962	Pi conserved hypothetical protein (	-33.0382	-33.9558	0.358295	0.918645	BH
PITG_20287	Pi kinesin-like protein (1714 nt)	-33.0007	-34.0307	0.358295	0.918645	BH
PITG_21528	Pi GAF domain-containing protein (	-32.8569	-34.3182	0.358295	0.918645	BH
PITG_21598	Pi conserved hypothetical protein (	-32.8569	-34.3182	0.358295	0.918645	BH
PITG_12749	Pi conserved hypothetical protein (	-12.9555	-1.32994	0.358648	0.918645	BH
PITG_00026	Pi ankyrin-like protein (1390 nt)	-32.9154	-34.2014	0.359066	0.918645	BH
PITG_00064	Pi conserved hypothetical protein (	-32.9154	-34.2014	0.359066	0.918645	BH
PITG_00117	Pi splicing factor 3A (1905 nt)	-32.8804	-34.2713	0.359066	0.918645	BH
PITG_00190	Pi conserved hypothetical protein (	-33.0326	-33.9668	0.359066	0.918645	BH
PITG_00231	Pi eyes absent family protein (2157	-33.0439	-33.9443	0.359066	0.918645	BH
PITG_00274	Pi Ryanodine-Inositol 1,4,5-triphos	-32.8804	-34.2713	0.359066	0.918645	BH
PITG_00298	Pi conserved hypothetical protein (	-33.0326	-33.9668	0.359066	0.918645	BH
PITG_00369	Pi conserved hypothetical protein (	-32.9912	-34.0497	0.359066	0.918645	BH
PITG_00408	Pi transmembrane protein, putativ	-33.0326	-33.9668	0.359066	0.918645	BH
PITG_00553	Pi 2-oxoglutarate dehydrogenase E	-32.9912	-34.0497	0.359066	0.918645	BH
PITG_00634	Pi gamma-tubulin complex compo	-32.9522	-34.1277	0.359066	0.918645	BH
PITG_00796	Pi conserved hypothetical protein (	-33.0439	-33.9443	0.359066	0.918645	BH
PITG_00819	Pi conserved hypothetical protein (	-32.9522	-34.1277	0.359066	0.918645	BH
PITG_01033	Pi Cation Diffusion Facilitator (CDF)	-32.8804	-34.2713	0.359066	0.918645	BH
PITG_01050	Pi Amino Acid-Polyamine-Organoc	-32.9643	-34.1035	0.359066	0.918645	BH
PITG_01056	Pi myb-like DNA-binding protein, p	-33.0439	-33.9443	0.359066	0.918645	BH
PITG_01156	Pi conserved hypothetical protein (	-32.9154	-34.2014	0.359066	0.918645	BH
PITG_01235	Pi conserved hypothetical protein (	-33.0326	-33.9668	0.359066	0.918645	BH
PITG_01236	Pi conserved hypothetical protein (	-33.0326	-33.9668	0.359066	0.918645	BH
PITG_01341	Pi conserved hypothetical protein (	-32.9154	-34.2014	0.359066	0.918645	BH
PITG_01414	Pi conserved hypothetical protein (	-32.9154	-34.2014	0.359066	0.918645	BH
PITG_01416	Pi sporangia induced TRP protein (:	-33.0326	-33.9668	0.359066	0.918645	BH
PITG_01427	Pi DEAD/DEAH box RNA helicase, p	-33.0439	-33.9443	0.359066	0.918645	BH
PITG_01469	Pi conserved hypothetical protein (	-33.0326	-33.9668	0.359066	0.918645	BH
PITG_01520	Pi hypothetical protein (4181 nt)	-32.9912	-34.0497	0.359066	0.918645	BH
PITG_01527	Pi conserved hypothetical protein (	-32.9522	-34.1277	0.359066	0.918645	BH
PITG_01682	Pi conserved hypothetical protein (	-32.9522	-34.1277	0.359066	0.918645	BH
PITG_01721	Pi Drug/Metabolite Transporter (D	-32.9522	-34.1277	0.359066	0.918645	BH
PITG_01802	Pi conserved hypothetical protein (	-33.0326	-33.9668	0.359066	0.918645	BH
PITG_01878	Pi conserved hypothetical protein (	-32.9154	-34.2014	0.359066	0.918645	BH
PITG_01962	Pi conserved hypothetical protein (	-33.0326	-33.9668	0.359066	0.918645	BH
PITG_02017	Pi conserved hypothetical protein (	-32.9912	-34.0497	0.359066	0.918645	BH



PITG_02052	Pi conserved hypothetical protein (	-33.0439	-33.9443	0.359066	0.918645	BH
PITG_02054	Pi DNA primase small subunit, puta	-33.0326	-33.9668	0.359066	0.918645	BH
PITG_02126	Pi conserved hypothetical protein (	-32.9522	-34.1277	0.359066	0.918645	BH
PITG_02269	Pi conserved hypothetical protein (	-32.9154	-34.2014	0.359066	0.918645	BH
PITG_02346	Pi CCR4-NOT transcription comple	-32.8804	-34.2713	0.359066	0.918645	BH
PITG_02454	Pi conserved hypothetical protein (	-32.9912	-34.0497	0.359066	0.918645	BH
PITG_02471	Pi cytochrome b5 reductase with F	-32.9154	-34.2014	0.359066	0.918645	BH
PITG_02506	Pi conserved hypothetical protein (	-32.9912	-34.0497	0.359066	0.918645	BH
PITG_02530	Pi conserved hypothetical protein (	-33.0326	-33.9668	0.359066	0.918645	BH
PITG_02766	Pi patatin-like phospholipase, puta	-32.8919	-34.2482	0.359066	0.918645	BH
PITG_02942	Pi conserved hypothetical protein (	-33.0326	-33.9668	0.359066	0.918645	BH
PITG_03040	Pi conserved hypothetical protein (	-33.0326	-33.9668	0.359066	0.918645	BH
PITG_03041	Pi Major Facilitator Superfamily (M	-32.9522	-34.1277	0.359066	0.918645	BH
PITG_03114	Pi conserved hypothetical protein (	-32.9154	-34.2014	0.359066	0.918645	BH
PITG_03154	Pi ubiquitin family protein, putative	-33.0326	-33.9668	0.359066	0.918645	BH
PITG_03244	Pi conserved hypothetical protein (	-32.9522	-34.1277	0.359066	0.918645	BH
PITG_03411	Pi lysosomal beta glucosidase, puta	-32.8919	-34.2482	0.359066	0.918645	BH
PITG_03414	Pi cysteine protease family C01A, p	-33.0326	-33.9668	0.359066	0.918645	BH
PITG_03455	Pi conserved hypothetical protein (	-32.9154	-34.2014	0.359066	0.918645	BH
PITG_03458	Pi conserved hypothetical protein (	-32.8804	-34.2713	0.359066	0.918645	BH
PITG_03478	Pi conserved hypothetical protein (	-32.9154	-34.2014	0.359066	0.918645	BH
PITG_03514	Pi DNA ligase, putative (2916 nt)	-32.9522	-34.1277	0.359066	0.918645	BH
PITG_03558	Pi conserved hypothetical protein (	-33.0439	-33.9443	0.359066	0.918645	BH
PITG_03564	Pi hypothetical protein (975 nt)	-32.8804	-34.2713	0.359066	0.918645	BH
PITG_03590	Pi inositol hexakisphosphate and d	-32.9522	-34.1277	0.359066	0.918645	BH
PITG_03772	Pi ADP-ribosylation factor-like prot	-32.9154	-34.2014	0.359066	0.918645	BH
PITG_03818	Pi U3 small nucleolar RNA-associat	-32.8919	-34.2482	0.359066	0.918645	BH
PITG_03871	Pi conserved hypothetical protein (	-32.9154	-34.2014	0.359066	0.918645	BH
PITG_03951	Pi conserved hypothetical protein (	-33.0326	-33.9668	0.359066	0.918645	BH
PITG_03999	Pi eukaryotic initiation factor 4E, p	-33.0326	-33.9668	0.359066	0.918645	BH
PITG_04028	Pi conserved hypothetical protein (	-33.0326	-33.9668	0.359066	0.918645	BH
PITG_04334	Pi conserved hypothetical protein (	-33.0439	-33.9443	0.359066	0.918645	BH
PITG_04426	Pi DNA polymerase alpha-associat	-32.9154	-34.2014	0.359066	0.918645	BH
PITG_04466	Pi cystathionine gamma-synthase,	-32.9522	-34.1277	0.359066	0.918645	BH
PITG_04593	Pi conserved hypothetical protein (	-33.0326	-33.9668	0.359066	0.918645	BH
PITG_04638	Pi conserved hypothetical protein (	-32.9154	-34.2014	0.359066	0.918645	BH
PITG_04670	Pi conserved hypothetical protein (	-32.9912	-34.0497	0.359066	0.918645	BH
PITG_04695	Pi conserved hypothetical protein (	-32.9154	-34.2014	0.359066	0.918645	BH
PITG_04892	Pi conserved hypothetical protein (	-32.9522	-34.1277	0.359066	0.918645	BH
PITG_04954	Pi protein kinase (1494 nt)	-32.9912	-34.0497	0.359066	0.918645	BH
PITG_04990	Pi conserved hypothetical protein (	-32.9912	-34.0497	0.359066	0.918645	BH
PITG_05005	Pi conserved hypothetical protein (	-32.9154	-34.2014	0.359066	0.918645	BH
PITG_05173	Pi conserved hypothetical protein (	-32.9522	-34.1277	0.359066	0.918645	BH
PITG_05354	Pi asparaginyl-tRNA synthetase (17	-32.9154	-34.2014	0.359066	0.918645	BH
PITG_05519	Pi phosphatidylinositol 4-phosphat	-33.0326	-33.9668	0.359066	0.918645	BH
PITG_05634	Pi hypothetical protein (1687 nt)	-32.9522	-34.1277	0.359066	0.918645	BH
PITG_05760	Pi conserved hypothetical protein (	-32.9154	-34.2014	0.359066	0.918645	BH

PITG_05843	Pi conserved hypothetical protein (	-32.8804	-34.2713	0.359066	0.918645	BH
PITG_05869	Pi conserved hypothetical protein (	-33.0326	-33.9668	0.359066	0.918645	BH
PITG_06133	Pi sugar fermentation stimulation	-32.9912	-34.0497	0.359066	0.918645	BH
PITG_06501	Pi conserved hypothetical protein (	-33.0326	-33.9668	0.359066	0.918645	BH
PITG_06716	Pi tafazzin-like protein (1282 nt)	-32.9522	-34.1277	0.359066	0.918645	BH
PITG_06755	Pi acyl-CoA dehydrogenase/oxidase	-33.0326	-33.9668	0.359066	0.918645	BH
PITG_06847	Pi conserved hypothetical protein (	-32.9912	-34.0497	0.359066	0.918645	BH
PITG_07063	Pi conserved hypothetical protein (	-32.9912	-34.0497	0.359066	0.918645	BH
PITG_07139	Pi conserved hypothetical protein (	-32.9154	-34.2014	0.359066	0.918645	BH
PITG_07284	Pi SEC14 cytosolic factor, putative	-32.8804	-34.2713	0.359066	0.918645	BH
PITG_07287	Pi conserved hypothetical protein (	-32.9154	-34.2014	0.359066	0.918645	BH
PITG_07385	Pi Major Facilitator Superfamily (M	-33.0326	-33.9668	0.359066	0.918645	BH
PITG_07730	Pi conserved hypothetical protein (	-32.9154	-34.2014	0.359066	0.918645	BH
PITG_07889	Pi conserved hypothetical protein (	-33.0326	-33.9668	0.359066	0.918645	BH
PITG_07965	Pi conserved hypothetical protein (	-32.9912	-34.0497	0.359066	0.918645	BH
PITG_08173	Pi DNA-directed RNA polymerase II	-32.9522	-34.1277	0.359066	0.918645	BH
PITG_08229	Pi conserved hypothetical protein (	-32.9912	-34.0497	0.359066	0.918645	BH
PITG_08348	Pi conserved hypothetical protein (	-32.8804	-34.2713	0.359066	0.918645	BH
PITG_08351	Pi conserved hypothetical protein (	-33.0326	-33.9668	0.359066	0.918645	BH
PITG_08388	Pi conserved hypothetical protein (	-33.0326	-33.9668	0.359066	0.918645	BH
PITG_08417	Pi conserved hypothetical protein (	-33.0326	-33.9668	0.359066	0.918645	BH
PITG_08431	Pi diacylglycerol acyltransferase, pi	-32.9522	-34.1277	0.359066	0.918645	BH
PITG_08447	Pi exonuclease, putative (2805 nt)	-32.8804	-34.2713	0.359066	0.918645	BH
PITG_08558	Pi pectin lyase, putative (2571 nt)	-33.0439	-33.9443	0.359066	0.918645	BH
PITG_08586	Pi conserved hypothetical protein (	-32.9912	-34.0497	0.359066	0.918645	BH
PITG_08827	Pi VAC14 family protein (2543 nt)	-32.9522	-34.1277	0.359066	0.918645	BH
PITG_08901	Pi protein kinase, putative (1572 nt)	-32.9912	-34.0497	0.359066	0.918645	BH
PITG_09006	Pi conserved hypothetical protein (	-32.8804	-34.2713	0.359066	0.918645	BH
PITG_09242	Pi conserved hypothetical protein (	-32.8804	-34.2713	0.359066	0.918645	BH
PITG_09535	Pi conserved hypothetical protein (	-32.9912	-34.0497	0.359066	0.918645	BH
PITG_09536	Pi phosphoribosylaminoimidazole-	-32.8804	-34.2713	0.359066	0.918645	BH
PITG_09826	Pi conserved hypothetical protein (	-33.0326	-33.9668	0.359066	0.918645	BH
PITG_09829	Pi conserved hypothetical protein (	-33.0326	-33.9668	0.359066	0.918645	BH
PITG_09987	Pi tRNA pseudouridine synthase, pi	-32.9154	-34.2014	0.359066	0.918645	BH
PITG_10048	Pi conserved hypothetical protein (	-32.9522	-34.1277	0.359066	0.918645	BH
PITG_10062	Pi protein kinase, putative (2188 nt)	-33.0326	-33.9668	0.359066	0.918645	BH
PITG_10547	Pi hypothetical protein (524 nt)	-33.0326	-33.9668	0.359066	0.918645	BH
PITG_10610	Pi conserved hypothetical protein (	-32.9912	-34.0497	0.359066	0.918645	BH
PITG_10762	Pi transmembrane protein, putativ	-32.9522	-34.1277	0.359066	0.918645	BH
PITG_10900	Pi conserved hypothetical protein (	-32.9912	-34.0497	0.359066	0.918645	BH
PITG_11177	Pi hypothetical protein (865 nt)	-32.9522	-34.1277	0.359066	0.918645	BH
PITG_11298	Pi conserved hypothetical protein (	-32.9522	-34.1277	0.359066	0.918645	BH
PITG_11366	Pi F-actin-capping protein subunit I	-32.9522	-34.1277	0.359066	0.918645	BH
PITG_11463	Pi carbohydrate-binding protein, pi	-32.8919	-34.2482	0.359066	0.918645	BH
PITG_11467	Pi conserved hypothetical protein (	-32.8804	-34.2713	0.359066	0.918645	BH
PITG_11468	Pi peptide deformylase, putative (8	-32.9154	-34.2014	0.359066	0.918645	BH
PITG_11748	Pi Major Facilitator Superfamily (M	-33.0439	-33.9443	0.359066	0.918645	BH

PITG_11752	Pi protein phosphatase 1L-like prot	-33.0326	-33.9668	0.359066	0.918645	BH
PITG_12050	Pi queuine tRNA-ribosyltransferase	-32.9154	-34.2014	0.359066	0.918645	BH
PITG_12290	Pi conserved hypothetical protein (	-33.0439	-33.9443	0.359066	0.918645	BH
PITG_12315	Pi conserved hypothetical protein (	-32.9522	-34.1277	0.359066	0.918645	BH
PITG_12489	Pi protein arginine N-methyltransfe	-32.9912	-34.0497	0.359066	0.918645	BH
PITG_12627	Pi crinkler (CRN) family protein, Gy	-32.8804	-34.2713	0.359066	0.918645	BH
PITG_12793	Pi short chain dehydrogenase, puta	-32.9522	-34.1277	0.359066	0.918645	BH
PITG_13096	Pi conserved hypothetical protein (	-33.0326	-33.9668	0.359066	0.918645	BH
PITG_13249	Pi conserved hypothetical protein (	-32.9522	-34.1277	0.359066	0.918645	BH
PITG_13291	Pi dolichyl pyrophosphate Glc1Mar	-32.9154	-34.2014	0.359066	0.918645	BH
PITG_13882	Pi conserved hypothetical protein (	-32.9154	-34.2014	0.359066	0.918645	BH
PITG_14003	Pi conserved hypothetical protein (	-32.9643	-34.1035	0.359066	0.918645	BH
PITG_14048	Pi conserved hypothetical protein (	-32.9643	-34.1035	0.359066	0.918645	BH
PITG_14132	Pi conserved hypothetical protein (	-33.0326	-33.9668	0.359066	0.918645	BH
PITG_14413	Pi protein kinase, putative (2688 nt)	-32.9912	-34.0497	0.359066	0.918645	BH
PITG_14484	Pi conserved hypothetical protein (	-32.9912	-34.0497	0.359066	0.918645	BH
PITG_14593	Pi conserved hypothetical protein (	-33.0326	-33.9668	0.359066	0.918645	BH
PITG_14602	Pi conserved hypothetical protein (	-32.9522	-34.1277	0.359066	0.918645	BH
PITG_14652	Pi conserved hypothetical protein (	-32.8919	-34.2482	0.359066	0.918645	BH
PITG_14695	Pi conserved hypothetical protein (	-33.0326	-33.9668	0.359066	0.918645	BH
PITG_14698	Pi conserved hypothetical protein (	-32.8804	-34.2713	0.359066	0.918645	BH
PITG_14702	Pi conserved hypothetical protein (	-33.0439	-33.9443	0.359066	0.918645	BH
PITG_14972	Pi protein kinase, putative (2515 nt)	-32.9643	-34.1035	0.359066	0.918645	BH
PITG_14973	Pi conserved hypothetical protein (	-33.0326	-33.9668	0.359066	0.918645	BH
PITG_15119	Pi Multidrug/Oligosaccharidyl-lipid	-32.9522	-34.1277	0.359066	0.918645	BH
PITG_15785	Pi conserved hypothetical protein (	-33.0326	-33.9668	0.359066	0.918645	BH
PITG_15876	Pi conserved hypothetical protein (	-32.9522	-34.1277	0.359066	0.918645	BH
PITG_15929	Pi paladin-like protein (3014 nt)	-32.9912	-34.0497	0.359066	0.918645	BH
PITG_15980	Pi glycoside hydrolase, putative (13	-32.9912	-34.0497	0.359066	0.918645	BH
PITG_15982	Pi histone-arginine methyltransfera	-32.9522	-34.1277	0.359066	0.918645	BH
PITG_16066	Pi conserved hypothetical protein (	-32.9154	-34.2014	0.359066	0.918645	BH
PITG_16331	Pi conserved hypothetical protein (	-32.9154	-34.2014	0.359066	0.918645	BH
PITG_16452	Pi hypothetical protein (351 nt)	-32.9643	-34.1035	0.359066	0.918645	BH
PITG_16649	Pi chromosome transmission fidelit	-32.8804	-34.2713	0.359066	0.918645	BH
PITG_16740	Pi conserved hypothetical protein (	-33.0326	-33.9668	0.359066	0.918645	BH
PITG_16792	Pi nucleolar GTP-binding protein 2	-33.0439	-33.9443	0.359066	0.918645	BH
PITG_17107	Pi aldehyde dehydrogenase, putati	-32.9154	-34.2014	0.359066	0.918645	BH
PITG_17112	Pi conserved hypothetical protein (	-32.8804	-34.2713	0.359066	0.918645	BH
PITG_17114	Pi conserved hypothetical protein (	-32.9643	-34.1035	0.359066	0.918645	BH
PITG_17265	Pi conserved hypothetical protein (	-33.0326	-33.9668	0.359066	0.918645	BH
PITG_17567	Pi myb-like DNA-binding protein, p	-32.9912	-34.0497	0.359066	0.918645	BH
PITG_17839	Pi protein kinase (653 nt)	-33.0326	-33.9668	0.359066	0.918645	BH
PITG_17998	Pi 3-hydroxyisobutyrate dehydroge	-32.9154	-34.2014	0.359066	0.918645	BH
PITG_18207	Pi conserved hypothetical protein (	-32.9154	-34.2014	0.359066	0.918645	BH
PITG_18634	Pi DNA topoisomerase, putative (3	-33.0326	-33.9668	0.359066	0.918645	BH
PITG_18695	Pi UDP-galactose transporter (1132	-33.0326	-33.9668	0.359066	0.918645	BH
PITG_18696	Pi replication factor C subunit, puta	-32.8804	-34.2713	0.359066	0.918645	BH

PITG_18814	Pi conserved hypothetical protein (	-32.9154	-34.2014	0.359066	0.918645	BH
PITG_18868	Pi tRNA-dihydrouridine synthase, p	-32.8804	-34.2713	0.359066	0.918645	BH
PITG_18999	Pi serine protease family S08A, put	-32.8804	-34.2713	0.359066	0.918645	BH
PITG_19085	Pi conserved hypothetical protein (	-32.9912	-34.0497	0.359066	0.918645	BH
PITG_19167	Pi conserved hypothetical protein (	-32.9522	-34.1277	0.359066	0.918645	BH
PITG_19212	Pi tubulin/FtsZ family protein, puta	-32.8804	-34.2713	0.359066	0.918645	BH
PITG_20017	Pi diacylglycerol O-acyltransferase,	-32.9643	-34.1035	0.359066	0.918645	BH
PITG_20043	Pi conserved hypothetical protein (	-32.9154	-34.2014	0.359066	0.918645	BH
PITG_20709	Pi conserved hypothetical protein (	-32.9912	-34.0497	0.359066	0.918645	BH
PITG_20824	Pi aspartyl-tRNA synthetase, putati	-32.9912	-34.0497	0.359066	0.918645	BH
PITG_20861	Pi ATP-binding Cassette (ABC) Supr	-33.0326	-33.9668	0.359066	0.918645	BH
PITG_20945	Pi conserved hypothetical protein (	-32.9912	-34.0497	0.359066	0.918645	BH
PITG_21046	Pi glycoside hydrolase, putative (10	-32.8804	-34.2713	0.359066	0.918645	BH
PITG_21317	Pi transmembrane protein, putativ	-32.9154	-34.2014	0.359066	0.918645	BH
PITG_21720	Pi conserved hypothetical protein (	-33.0326	-33.9668	0.359066	0.918645	BH
PITG_21828	Pi conserved hypothetical protein (	-33.0326	-33.9668	0.359066	0.918645	BH
PITG_22191	Pi conserved hypothetical protein (	-33.0326	-33.9668	0.359066	0.918645	BH
PITG_22419	Pi hypothetical protein (461 nt)	-32.9912	-34.0497	0.359066	0.918645	BH
PITG_22763	Pi conserved oligomeric Golgi com	-32.9912	-34.0497	0.359066	0.918645	BH
PITG_23113	Pi GPN-loop GTPase 1 (1108 nt)	-32.9912	-34.0497	0.359066	0.918645	BH
PITG_05360	Pi conserved hypothetical protein (	-13.8408	-1.40221	0.359234	0.918645	BH
PITG_10883	Pi 26S proteasome non-ATPase reg	-13.8076	-1.46864	0.359234	0.918645	BH
PITG_21173	Pi nucleotide-binding protein 1 (11	-13.8401	-1.4036	0.359234	0.918645	BH
PITG_22743	Pi dihydrolipoyllysine-residue succi	-13.8121	-1.45959	0.359234	0.918645	BH
PITG_00144	Pi conserved hypothetical protein (	-32.9289	-34.1742	0.359842	0.918645	BH
PITG_00859	Pi hypothetical protein (759 nt)	-33.0055	-34.0212	0.359842	0.918645	BH
PITG_01192	Pi Voltage-gated Ion Channel (VIC)	-32.9289	-34.1742	0.359842	0.918645	BH
PITG_01979	Pi conserved hypothetical protein (	-33.0055	-34.0212	0.359842	0.918645	BH
PITG_02258	Pi conserved hypothetical protein (	-32.9289	-34.1742	0.359842	0.918645	BH
PITG_04631	Pi conserved hypothetical protein (	-33.0055	-34.0212	0.359842	0.918645	BH
PITG_06733	Pi transmembrane protein, putativ	-32.9289	-34.1742	0.359842	0.918645	BH
PITG_08302	Pi hypothetical protein (477 nt)	-32.9289	-34.1742	0.359842	0.918645	BH
PITG_10122	Pi Drug/Metabolite Transporter (D	-33.0055	-34.0212	0.359842	0.918645	BH
PITG_10150	Pi conserved hypothetical protein (	-32.9289	-34.1742	0.359842	0.918645	BH
PITG_10629	Pi conserved hypothetical protein (	-33.0055	-34.0212	0.359842	0.918645	BH
PITG_11146	Pi conserved hypothetical protein (	-33.0055	-34.0212	0.359842	0.918645	BH
PITG_16315	Pi conserved hypothetical protein (	-33.0055	-34.0212	0.359842	0.918645	BH
PITG_16977	Pi aurora-like protein kinase (1161	-32.9289	-34.1742	0.359842	0.918645	BH
PITG_18877	Pi conserved hypothetical protein (	-32.9289	-34.1742	0.359842	0.918645	BH
PITG_22598	Pi amino acid/auxin permease-like	-32.9289	-34.1742	0.359842	0.918645	BH
PITG_05796	Pi ribosomal RNA-processing prote	-32.8591	-34.314	0.36062	0.918645	BH
PITG_18243	Pi conserved hypothetical protein (	-32.8591	-34.314	0.36062	0.918645	BH
PITG_00110	Pi cytochrome c1 heme lyase, puta	-32.9872	-34.0576	0.361402	0.918645	BH
PITG_00147	Pi conserved hypothetical protein (	-32.968	-34.0961	0.361402	0.918645	BH
PITG_00313	Pi hypothetical protein (1989 nt)	-33.0278	-33.9765	0.361402	0.918645	BH
PITG_00572	Pi conserved hypothetical protein (	-32.968	-34.0961	0.361402	0.918645	BH
PITG_00717	Pi myosin-like protein (6654 nt)	-32.9489	-34.1343	0.361402	0.918645	BH

PITG_00763	Pi conserved hypothetical protein (	-32.9489	-34.1343	0.361402	0.918645	BH
PITG_00818	Pi conserved hypothetical protein (	-32.9872	-34.0576	0.361402	0.918645	BH
PITG_00936	Pi conserved hypothetical protein (	-32.9872	-34.0576	0.361402	0.918645	BH
PITG_01030	Pi SWI4 1, Peter Pan-like protein su	-32.9489	-34.1343	0.361402	0.918645	BH
PITG_01228	Pi conserved hypothetical protein (	-32.9489	-34.1343	0.361402	0.918645	BH
PITG_01245	Pi chorismate mutase, putative (19	-32.9872	-34.0576	0.361402	0.918645	BH
PITG_01258	Pi ras family GTPase, putative (807	-32.9872	-34.0576	0.361402	0.918645	BH
PITG_01412	Pi Mitochondrial Tricarboxylate Ca	-32.9872	-34.0576	0.361402	0.918645	BH
PITG_01769	Pi chorismate synthase (1434 nt)	-32.9872	-34.0576	0.361402	0.918645	BH
PITG_01855	Pi mannosyl-oligosaccharide alpha	-32.9489	-34.1343	0.361402	0.918645	BH
PITG_01931	Pi conserved hypothetical protein (	-32.9872	-34.0576	0.361402	0.918645	BH
PITG_01957	Pi serine/threonine-protein phosph	-32.9872	-34.0576	0.361402	0.918645	BH
PITG_02426	Pi conserved hypothetical protein (	-32.9872	-34.0576	0.361402	0.918645	BH
PITG_02439	Pi conserved hypothetical protein (	-32.9489	-34.1343	0.361402	0.918645	BH
PITG_02496	Pi conserved hypothetical protein (	-33.0278	-33.9765	0.361402	0.918645	BH
PITG_02540	Pi integrator complex subunit, puta	-32.9872	-34.0576	0.361402	0.918645	BH
PITG_02559	Pi conserved hypothetical protein (	-32.9872	-34.0576	0.361402	0.918645	BH
PITG_02572	Pi conserved hypothetical protein (	-32.9872	-34.0576	0.361402	0.918645	BH
PITG_02711	Pi oligopeptidase A, putative (2519	-33.0278	-33.9765	0.361402	0.918645	BH
PITG_02754	Pi conserved hypothetical protein (	-32.9489	-34.1343	0.361402	0.918645	BH
PITG_02812	Pi type I inositol-3,4-bisphosphate	-33.0278	-33.9765	0.361402	0.918645	BH
PITG_02990	Pi conserved hypothetical protein (	-33.0278	-33.9765	0.361402	0.918645	BH
PITG_03016	Pi conserved hypothetical protein (	-32.9489	-34.1343	0.361402	0.918645	BH
PITG_03063	Pi conserved hypothetical protein (	-32.968	-34.0961	0.361402	0.918645	BH
PITG_03112	Pi importin-like protein (3460 nt)	-32.9489	-34.1343	0.361402	0.918645	BH
PITG_03323	Pi integrator complex subunit, puta	-33.0278	-33.9765	0.361402	0.918645	BH
PITG_03773	Pi protein kinase (2755 nt)	-32.9872	-34.0576	0.361402	0.918645	BH
PITG_03774	Pi conserved hypothetical protein (	-33.0278	-33.9765	0.361402	0.918645	BH
PITG_03803	Pi conserved hypothetical protein (	-32.9489	-34.1343	0.361402	0.918645	BH
PITG_03837	Pi metalloprotease family M01, pu	-32.9489	-34.1343	0.361402	0.918645	BH
PITG_03996	Pi conserved hypothetical protein (	-32.968	-34.0961	0.361402	0.918645	BH
PITG_04821	Pi conserved hypothetical protein (	-32.968	-34.0961	0.361402	0.918645	BH
PITG_05192	Pi conserved hypothetical protein (	-32.9872	-34.0576	0.361402	0.918645	BH
PITG_05469	Pi conserved hypothetical protein (	-32.9489	-34.1343	0.361402	0.918645	BH
PITG_05507	Pi conserved hypothetical protein (	-32.9489	-34.1343	0.361402	0.918645	BH
PITG_05635	Pi conserved hypothetical protein (	-32.9489	-34.1343	0.361402	0.918645	BH
PITG_05856	Pi conserved hypothetical protein (	-32.9872	-34.0576	0.361402	0.918645	BH
PITG_06034	Pi conserved hypothetical protein (	-33.0278	-33.9765	0.361402	0.918645	BH
PITG_06233	Pi conserved hypothetical protein (	-32.9489	-34.1343	0.361402	0.918645	BH
PITG_06283	Pi beta-catenin-like protein (1851 r	-32.9872	-34.0576	0.361402	0.918645	BH
PITG_06319	Pi myotubularin-like protein (4485	-32.9489	-34.1343	0.361402	0.918645	BH
PITG_06333	Pi hypothetical protein (919 nt)	-33.0278	-33.9765	0.361402	0.918645	BH
PITG_06648	Pi conserved hypothetical protein (	-33.0278	-33.9765	0.361402	0.918645	BH
PITG_07035	Pi CDK5 regulatory subunit-associa	-32.9872	-34.0576	0.361402	0.918645	BH
PITG_07072	Pi short chain dehydrogenase, puta	-32.9489	-34.1343	0.361402	0.918645	BH
PITG_07520	Pi conserved hypothetical protein (	-32.9872	-34.0576	0.361402	0.918645	BH
PITG_08094	Pi inorganic pyrophosphatase (889	-32.9489	-34.1343	0.361402	0.918645	BH

PITG_08290	Pi conserved hypothetical protein (	-32.9872	-34.0576	0.361402	0.918645	BH
PITG_08307	Pi conserved hypothetical protein (	-32.9489	-34.1343	0.361402	0.918645	BH
PITG_08329	Pi conserved hypothetical protein (	-33.0278	-33.9765	0.361402	0.918645	BH
PITG_08369	Pi valyl-tRNA synthetase (3808 nt)	-33.0278	-33.9765	0.361402	0.918645	BH
PITG_08738	Pi conserved hypothetical protein (	-33.0278	-33.9765	0.361402	0.918645	BH
PITG_08766	Pi demethylmenaquinone methyltr	-33.0278	-33.9765	0.361402	0.918645	BH
PITG_09201	Pi bzip transcription factor (1089 n	-32.9489	-34.1343	0.361402	0.918645	BH
PITG_09413	Pi sterol 3-beta-glucosyltransferase	-32.9489	-34.1343	0.361402	0.918645	BH
PITG_09866	Pi tRNA (adenine-N(1)-)-methyltra	-33.0278	-33.9765	0.361402	0.918645	BH
PITG_09899	Pi cleavage induced hypothetical p	-32.9872	-34.0576	0.361402	0.918645	BH
PITG_09961	Pi conserved hypothetical protein (	-32.9872	-34.0576	0.361402	0.918645	BH
PITG_09981	Pi conserved hypothetical protein (	-32.968	-34.0961	0.361402	0.918645	BH
PITG_10016	Pi conserved hypothetical protein (	-32.9489	-34.1343	0.361402	0.918645	BH
PITG_10029	Pi hypothetical protein (400 nt)	-32.9872	-34.0576	0.361402	0.918645	BH
PITG_10105	Pi exportin-T, putative (3093 nt)	-33.0278	-33.9765	0.361402	0.918645	BH
PITG_10516	Pi tryptophanyl-tRNA synthetase (1	-32.9872	-34.0576	0.361402	0.918645	BH
PITG_10602	Pi DNA repair protein, putative (19	-33.0278	-33.9765	0.361402	0.918645	BH
PITG_10690	Pi conserved hypothetical protein (	-32.9489	-34.1343	0.361402	0.918645	BH
PITG_11017	Pi conserved hypothetical protein (	-32.9489	-34.1343	0.361402	0.918645	BH
PITG_11138	Pi fumarate reductase flavoprotein	-33.0278	-33.9765	0.361402	0.918645	BH
PITG_11157	Pi myotubularin-like protein (2970	-32.9872	-34.0576	0.361402	0.918645	BH
PITG_11198	Pi nucleolar GTP-binding protein 1	-32.9872	-34.0576	0.361402	0.918645	BH
PITG_11426	Pi conserved hypothetical protein (	-32.9489	-34.1343	0.361402	0.918645	BH
PITG_11464	Pi pairing protein 2 family protein (	-32.9872	-34.0576	0.361402	0.918645	BH
PITG_11506	Pi hypothetical protein (475 nt)	-32.9872	-34.0576	0.361402	0.918645	BH
PITG_11555	Pi conserved hypothetical protein (	-32.9872	-34.0576	0.361402	0.918645	BH
PITG_11701	Pi CLPTM1-like membrane protein,	-32.9489	-34.1343	0.361402	0.918645	BH
PITG_12163	Pi conserved hypothetical protein (	-33.0278	-33.9765	0.361402	0.918645	BH
PITG_12174	Pi conserved hypothetical protein (	-32.9489	-34.1343	0.361402	0.918645	BH
PITG_12220	Pi methionine aminopeptidase, pu	-32.9489	-34.1343	0.361402	0.918645	BH
PITG_12377	Pi conserved hypothetical protein (	-32.9872	-34.0576	0.361402	0.918645	BH
PITG_12441	Pi conserved hypothetical protein (	-32.9489	-34.1343	0.361402	0.918645	BH
PITG_12470	Pi glycerol-3-phosphate acyltransfe	-32.9489	-34.1343	0.361402	0.918645	BH
PITG_12503	Pi conserved hypothetical protein (	-33.0278	-33.9765	0.361402	0.918645	BH
PITG_12518	Pi conserved hypothetical protein (	-32.9489	-34.1343	0.361402	0.918645	BH
PITG_12674	Pi sedoheptulokinase-like protein (	-33.0278	-33.9765	0.361402	0.918645	BH
PITG_12836	Pi UDP-N-acetylglucosamine transf	-33.0278	-33.9765	0.361402	0.918645	BH
PITG_13024	Pi conserved hypothetical protein (	-33.0278	-33.9765	0.361402	0.918645	BH
PITG_13164	Pi metalloprotease family M48X, p	-32.9489	-34.1343	0.361402	0.918645	BH
PITG_13255	Pi conserved hypothetical protein (	-33.0278	-33.9765	0.361402	0.918645	BH
PITG_13297	Pi conserved hypothetical protein (	-33.0278	-33.9765	0.361402	0.918645	BH
PITG_13298	Pi conserved hypothetical protein (	-32.9872	-34.0576	0.361402	0.918645	BH
PITG_14028	Pi conserved hypothetical protein (	-33.0278	-33.9765	0.361402	0.918645	BH
PITG_14178	Pi conserved hypothetical protein (	-33.0278	-33.9765	0.361402	0.918645	BH
PITG_14709	Pi conserved hypothetical protein (	-33.0278	-33.9765	0.361402	0.918645	BH
PITG_14977	Pi conserved hypothetical protein (	-32.9489	-34.1343	0.361402	0.918645	BH
PITG_15152	Pi secreted RxLR effector peptide,	-33.0278	-33.9765	0.361402	0.918645	BH

PITG_15217	Pi ribonuclease, putative (1123 nt)	-33.0278	-33.9765	0.361402	0.918645	BH
PITG_15739	Pi protein MYG1 (1098 nt)	-33.0278	-33.9765	0.361402	0.918645	BH
PITG_16023	Pi transcription initiation factor TFI	-33.0278	-33.9765	0.361402	0.918645	BH
PITG_16365	Pi conserved hypothetical protein (	-32.9489	-34.1343	0.361402	0.918645	BH
PITG_16476	Pi receptor kinase, putative (2197	-33.0278	-33.9765	0.361402	0.918645	BH
PITG_16818	Pi conserved hypothetical protein (	-32.9489	-34.1343	0.361402	0.918645	BH
PITG_16899	Pi conserved hypothetical protein (	-33.0278	-33.9765	0.361402	0.918645	BH
PITG_16920	Pi conserved hypothetical protein (	-33.0278	-33.9765	0.361402	0.918645	BH
PITG_17072	Pi U4/U6 small nuclear ribonucleo	-33.0278	-33.9765	0.361402	0.918645	BH
PITG_17080	Pi Ca2 :Cation Antiporter (CaCA) Fa	-32.9872	-34.0576	0.361402	0.918645	BH
PITG_17155	Pi RNA 3'-terminal phosphate cycl	-32.9872	-34.0576	0.361402	0.918645	BH
PITG_17259	Pi conserved hypothetical protein (	-33.0278	-33.9765	0.361402	0.918645	BH
PITG_17344	Pi cleavage induced hypothetical p	-32.968	-34.0961	0.361402	0.918645	BH
PITG_18057	Pi conserved hypothetical protein (	-32.9489	-34.1343	0.361402	0.918645	BH
PITG_18085	Pi hypothetical protein (710 nt)	-32.9489	-34.1343	0.361402	0.918645	BH
PITG_18232	Pi avirulence-associated protein 3.	-32.968	-34.0961	0.361402	0.918645	BH
PITG_18538	Pi 3-isopropylmalate dehydratase I	-32.9489	-34.1343	0.361402	0.918645	BH
PITG_18750	Pi conserved hypothetical protein (	-32.968	-34.0961	0.361402	0.918645	BH
PITG_18754	Pi conserved hypothetical protein (	-33.0278	-33.9765	0.361402	0.918645	BH
PITG_18975	Pi conserved hypothetical protein (	-32.9489	-34.1343	0.361402	0.918645	BH
PITG_19418	Pi conserved hypothetical protein (	-32.9872	-34.0576	0.361402	0.918645	BH
PITG_19506	Pi conserved hypothetical protein (	-32.9872	-34.0576	0.361402	0.918645	BH
PITG_19771	Pi mitochondrial inner membrane	-33.0278	-33.9765	0.361402	0.918645	BH
PITG_19813	Pi conserved hypothetical protein (	-33.0278	-33.9765	0.361402	0.918645	BH
PITG_20330	Pi trafficking protein particle comp	-33.0278	-33.9765	0.361402	0.918645	BH
PITG_20683	Pi conserved hypothetical protein (	-33.0278	-33.9765	0.361402	0.918645	BH
PITG_20711	Pi Folate-Biopterin Transporter (FB	-32.968	-34.0961	0.361402	0.918645	BH
PITG_20944	Pi conserved hypothetical protein (	-32.9489	-34.1343	0.361402	0.918645	BH
PITG_21140	Pi conserved hypothetical protein (	-33.0278	-33.9765	0.361402	0.918645	BH
PITG_21156	Pi Drug/Metabolite Transporter (D	-33.0278	-33.9765	0.361402	0.918645	BH
PITG_21482	Pi conserved hypothetical protein (	-32.9872	-34.0576	0.361402	0.918645	BH
PITG_21571	Pi conserved hypothetical protein (	-32.9872	-34.0576	0.361402	0.918645	BH
PITG_21660	Pi trehalase, putative (2103 nt)	-33.0278	-33.9765	0.361402	0.918645	BH
PITG_22529	Pi conserved hypothetical protein (	-33.0278	-33.9765	0.361402	0.918645	BH
PITG_22924	Pi conserved hypothetical protein (	-32.9872	-34.0576	0.361402	0.918645	BH
PITG_00389	Pi conserved hypothetical protein (	-32.8784	-34.2753	0.362188	0.918645	BH
PITG_00426	Pi conserved hypothetical protein (	-32.8784	-34.2753	0.362188	0.918645	BH
PITG_01242	Pi condensin complex subunit 2, pu	-32.8784	-34.2753	0.362188	0.918645	BH
PITG_01288	Pi conserved hypothetical protein (	-32.8784	-34.2753	0.362188	0.918645	BH
PITG_01528	Pi cell division cycle 5-related prote	-32.8784	-34.2753	0.362188	0.918645	BH
PITG_01756	Pi negative elongation factor, puta	-32.9128	-34.2064	0.362188	0.918645	BH
PITG_01782	Pi conserved hypothetical protein (	-32.8942	-34.2436	0.362188	0.918645	BH
PITG_01817	Pi conserved hypothetical protein (	-32.9128	-34.2064	0.362188	0.918645	BH
PITG_01999	Pi Voltage-gated Ion Channel (VIC)	-32.8942	-34.2436	0.362188	0.918645	BH
PITG_02002	Pi enhancer of mRNA-decapping pr	-32.8784	-34.2753	0.362188	0.918645	BH
PITG_02448	Pi conserved hypothetical protein (	-32.8942	-34.2436	0.362188	0.918645	BH
PITG_02596	Pi DC12 family protein (1726 nt)	-32.9128	-34.2064	0.362188	0.918645	BH

PITG_02935	Pi berberine-like protein (1524 nt)	-32.9128	-34.2064	0.362188	0.918645	BH
PITG_03085	Pi conserved hypothetical protein (	-32.8784	-34.2753	0.362188	0.918645	BH
PITG_03489	Pi conserved hypothetical protein (	-32.9128	-34.2064	0.362188	0.918645	BH
PITG_03496	Pi conserved hypothetical protein (	-32.9128	-34.2064	0.362188	0.918645	BH
PITG_03892	Pi conserved hypothetical protein (	-32.9128	-34.2064	0.362188	0.918645	BH
PITG_04111	Pi conserved hypothetical protein (	-32.8784	-34.2753	0.362188	0.918645	BH
PITG_04180	Pi conserved hypothetical protein (	-32.9128	-34.2064	0.362188	0.918645	BH
PITG_04486	Pi conserved hypothetical protein (	-32.9128	-34.2064	0.362188	0.918645	BH
PITG_04554	Pi conserved hypothetical protein (	-32.8784	-34.2753	0.362188	0.918645	BH
PITG_04629	Pi conserved hypothetical protein (	-32.8784	-34.2753	0.362188	0.918645	BH
PITG_05405	Pi arginyl-tRNA synthetase, putativ	-32.8784	-34.2753	0.362188	0.918645	BH
PITG_05423	Pi DNA-dependent protein kinase c	-32.8784	-34.2753	0.362188	0.918645	BH
PITG_05564	Pi conserved hypothetical protein (	-32.9128	-34.2064	0.362188	0.918645	BH
PITG_05649	Pi glutamyl-tRNA synthetase, putat	-32.8784	-34.2753	0.362188	0.918645	BH
PITG_05759	Pi conserved hypothetical protein (	-32.9128	-34.2064	0.362188	0.918645	BH
PITG_05813	Pi conserved hypothetical protein (	-32.9128	-34.2064	0.362188	0.918645	BH
PITG_06618	Pi conserved hypothetical protein (	-32.8784	-34.2753	0.362188	0.918645	BH
PITG_06632	Pi conserved hypothetical protein (	-32.9128	-34.2064	0.362188	0.918645	BH
PITG_06642	Pi conserved hypothetical protein (	-32.9128	-34.2064	0.362188	0.918645	BH
PITG_06652	Pi conserved hypothetical protein (	-32.9128	-34.2064	0.362188	0.918645	BH
PITG_07103	Pi nuclear pore complex protein Nt	-32.8784	-34.2753	0.362188	0.918645	BH
PITG_07240	Pi 3-deoxy-manno-octulosonate cy	-32.9128	-34.2064	0.362188	0.918645	BH
PITG_07282	Pi WD domain-containing protein (	-32.9128	-34.2064	0.362188	0.918645	BH
PITG_07793	Pi Outer Dynein Arm Light Chain 2	-32.9128	-34.2064	0.362188	0.918645	BH
PITG_07890	Pi conserved hypothetical protein (	-32.8784	-34.2753	0.362188	0.918645	BH
PITG_08442	Pi conserved hypothetical protein (	-32.8784	-34.2753	0.362188	0.918645	BH
PITG_08655	Pi conserved hypothetical protein (	-32.8784	-34.2753	0.362188	0.918645	BH
PITG_09478	Pi conserved hypothetical protein (	-32.9128	-34.2064	0.362188	0.918645	BH
PITG_09587	Pi mannose-P-dolichol utilization d	-32.8784	-34.2753	0.362188	0.918645	BH
PITG_09672	Pi cytidyltransferase (1352 nt)	-32.8942	-34.2436	0.362188	0.918645	BH
PITG_10884	Pi protein kinase, putative (2730 nt)	-32.8784	-34.2753	0.362188	0.918645	BH
PITG_10990	Pi farnesyl pyrophosphate synthet	-32.9128	-34.2064	0.362188	0.918645	BH
PITG_11126	Pi conserved hypothetical protein (	-32.8784	-34.2753	0.362188	0.918645	BH
PITG_11194	Pi conserved hypothetical protein (	-32.8784	-34.2753	0.362188	0.918645	BH
PITG_11273	Pi ubiquitin-specific protease, puta	-32.8784	-34.2753	0.362188	0.918645	BH
PITG_11492	Pi conserved hypothetical protein (	-32.9128	-34.2064	0.362188	0.918645	BH
PITG_11764	Pi conserved hypothetical protein (	-32.9128	-34.2064	0.362188	0.918645	BH
PITG_11829	Pi hypothetical protein (859 nt)	-32.9128	-34.2064	0.362188	0.918645	BH
PITG_11832	Pi conserved hypothetical protein (	-32.8784	-34.2753	0.362188	0.918645	BH
PITG_12039	Pi conserved hypothetical protein (	-32.8942	-34.2436	0.362188	0.918645	BH
PITG_12342	Pi sulfite oxidase, putative (1779 nt)	-32.8784	-34.2753	0.362188	0.918645	BH
PITG_12515	Pi conserved hypothetical protein (	-32.8784	-34.2753	0.362188	0.918645	BH
PITG_12624	Pi Crinkler (CRN) family protein, ps	-32.9128	-34.2064	0.362188	0.918645	BH
PITG_12742	Pi conserved hypothetical protein (	-32.9128	-34.2064	0.362188	0.918645	BH
PITG_13146	Pi RNA pseudouridylate synthase-li	-32.8784	-34.2753	0.362188	0.918645	BH
PITG_13719	Pi DNA excision repair protein ERC	-32.9128	-34.2064	0.362188	0.918645	BH
PITG_13769	Pi sporangia induced conserved hy	-33.0098	-34.0124	0.362188	0.918645	BH



PITG_13773	Pi conserved hypothetical protein (	-32.9128	-34.2064	0.362188	0.918645	BH
PITG_13808	Pi conserved hypothetical protein (	-32.8784	-34.2753	0.362188	0.918645	BH
PITG_13836	Pi cleavage induced predicted prot	-32.9128	-34.2064	0.362188	0.918645	BH
PITG_13999	Pi protein phosphatase 1 regulator	-32.8784	-34.2753	0.362188	0.918645	BH
PITG_14390	Pi conserved hypothetical protein (	-32.9128	-34.2064	0.362188	0.918645	BH
PITG_14399	Pi pre-mRNA-processing factor, pu	-32.8784	-34.2753	0.362188	0.918645	BH
PITG_14606	Pi conserved hypothetical protein (	-32.8784	-34.2753	0.362188	0.918645	BH
PITG_14675	Pi conserved hypothetical protein (	-32.9128	-34.2064	0.362188	0.918645	BH
PITG_15393	Pi eukaryotic translation initiation	-32.9128	-34.2064	0.362188	0.918645	BH
PITG_15411	Pi conserved hypothetical protein (	-32.8784	-34.2753	0.362188	0.918645	BH
PITG_15444	Pi conserved hypothetical protein (	-32.9128	-34.2064	0.362188	0.918645	BH
PITG_15493	Pi threonine aspartase, putative (1	-32.8784	-34.2753	0.362188	0.918645	BH
PITG_15693	Pi hypothetical protein (725 nt)	-32.9128	-34.2064	0.362188	0.918645	BH
PITG_15762	Pi conserved hypothetical protein (	-32.9128	-34.2064	0.362188	0.918645	BH
PITG_15779	Pi conserved hypothetical protein (	-32.8784	-34.2753	0.362188	0.918645	BH
PITG_16459	Pi thyroid receptor-interacting pro	-32.8784	-34.2753	0.362188	0.918645	BH
PITG_17130	Pi glyceraldehyde-3-phosphate def	-32.9128	-34.2064	0.362188	0.918645	BH
PITG_17641	Pi conserved hypothetical protein (	-33.0098	-34.0124	0.362188	0.918645	BH
PITG_17951	Pi dicarboxylate/Amino Acid:Catio	-32.8784	-34.2753	0.362188	0.918645	BH
PITG_18018	Pi ribosome-recycling factor, putat	-32.8784	-34.2753	0.362188	0.918645	BH
PITG_18064	Pi conserved hypothetical protein (	-32.8784	-34.2753	0.362188	0.918645	BH
PITG_18861	Pi conserved hypothetical protein (	-32.8942	-34.2436	0.362188	0.918645	BH
PITG_18966	Pi conserved hypothetical protein (	-32.9128	-34.2064	0.362188	0.918645	BH
PITG_19168	Pi conserved hypothetical protein (	-32.8784	-34.2753	0.362188	0.918645	BH
PITG_20205	Pi integrator complex subunit 3, pu	-32.9128	-34.2064	0.362188	0.918645	BH
PITG_20235	Pi conserved hypothetical protein (	-32.8784	-34.2753	0.362188	0.918645	BH
PITG_20249	Pi conserved hypothetical protein (	-32.8784	-34.2753	0.362188	0.918645	BH
PITG_20521	Pi hypothetical protein (351 nt)	-32.9128	-34.2064	0.362188	0.918645	BH
PITG_20731	Pi conserved hypothetical protein (	-32.9128	-34.2064	0.362188	0.918645	BH
PITG_20783	Pi hypothetical protein (1593 nt)	-32.9128	-34.2064	0.362188	0.918645	BH
PITG_20909	Pi conserved hypothetical protein (	-32.9128	-34.2064	0.362188	0.918645	BH
PITG_21014	Pi conserved hypothetical protein (	-32.8784	-34.2753	0.362188	0.918645	BH
PITG_21617	Pi cell division protein kinase, puta	-32.8942	-34.2436	0.362188	0.918645	BH
PITG_22122	Pi conserved hypothetical protein (	-32.8784	-34.2753	0.362188	0.918645	BH
PITG_22204	Pi conserved hypothetical protein (	-32.8784	-34.2753	0.362188	0.918645	BH
PITG_22719	Pi phosphatidylinositol kinase (PIK-	-32.8784	-34.2753	0.362188	0.918645	BH
PITG_12319	Pi conserved hypothetical protein (	-32.9316	-34.1688	0.362976	0.918645	BH
PITG_12325	Pi hypothetical protein (645 nt)	-32.9316	-34.1688	0.362976	0.918645	BH
PITG_13038	Pi conserved hypothetical protein (	-32.9316	-34.1688	0.362976	0.918645	BH
PITG_17685	Pi conserved hypothetical protein (	-32.9316	-34.1688	0.362976	0.918645	BH
PITG_19016	Pi conserved hypothetical protein (	-32.9316	-34.1688	0.362976	0.918645	BH
PITG_22323	Pi ribosome biogenesis protein RLF	-32.9316	-34.1688	0.362976	0.918645	BH
PITG_19535	Pi proteasome subunit beta, putati	-12.1797	-1.07574	0.363224	0.918645	BH
PITG_03118	Pi mRNA decapping enzyme (1290	-32.8607	-34.3108	0.363769	0.918645	BH
PITG_09676	Pi conserved hypothetical protein (	-32.8607	-34.3108	0.363769	0.918645	BH
PITG_01181	Pi conserved hypothetical protein (	-12.9692	-1.28378	0.364148	0.918645	BH
PITG_07827	Pi conserved hypothetical protein (	-12.9777	-1.26662	0.364148	0.918645	BH

PITG_05141	Pi actin-like protein (1487 nt)	-13.8291	-1.42927	0.364154	0.918645	BH
PITG_20288	Pi conserved hypothetical protein (	-13.8463	-1.39486	0.364154	0.918645	BH
PITG_22666	Pi conserved hypothetical protein (	-13.846	-1.39556	0.364154	0.918645	BH
PITG_00311	Pi conserved hypothetical protein (	-33.0239	-33.9844	0.364564	0.918645	BH
PITG_00546	Pi myosin-like protein (4229 nt)	-33.0239	-33.9844	0.364564	0.918645	BH
PITG_01133	Pi conserved hypothetical protein (	-33.0239	-33.9844	0.364564	0.918645	BH
PITG_01174	Pi conserved hypothetical protein (	-33.0239	-33.9844	0.364564	0.918645	BH
PITG_01368	Pi transmembrane protein, putativ	-33.0239	-33.9844	0.364564	0.918645	BH
PITG_01456	Pi histone acetyltransferase ESA1 (	-33.0239	-33.9844	0.364564	0.918645	BH
PITG_02475	Pi conserved hypothetical protein (	-32.9711	-34.0898	0.364564	0.918645	BH
PITG_03099	Pi hypothetical protein (966 nt)	-33.0239	-33.9844	0.364564	0.918645	BH
PITG_04105	Pi conserved hypothetical protein (	-33.0239	-33.9844	0.364564	0.918645	BH
PITG_04489	Pi peroxisome assembly factor, put	-33.0239	-33.9844	0.364564	0.918645	BH
PITG_05188	Pi conserved hypothetical protein (	-33.0239	-33.9844	0.364564	0.918645	BH
PITG_05446	Pi pyridoxal-dependent decarboxyl	-33.0239	-33.9844	0.364564	0.918645	BH
PITG_05586	Pi DNA-(apurinic or apyrimidinic sit	-33.0239	-33.9844	0.364564	0.918645	BH
PITG_06924	Pi conserved hypothetical protein (	-33.0239	-33.9844	0.364564	0.918645	BH
PITG_07044	Pi conserved hypothetical protein (	-33.0239	-33.9844	0.364564	0.918645	BH
PITG_07229	Pi conserved hypothetical protein (	-33.0239	-33.9844	0.364564	0.918645	BH
PITG_07259	Pi serine protease family S09X, put	-33.0239	-33.9844	0.364564	0.918645	BH
PITG_07575	Pi haloacid dehalogenase-like hydr	-33.0239	-33.9844	0.364564	0.918645	BH
PITG_07925	Pi exportin-5-like protein (3724 nt)	-33.0239	-33.9844	0.364564	0.918645	BH
PITG_08205	Pi methionyl-tRNA formyltransfera	-33.0239	-33.9844	0.364564	0.918645	BH
PITG_08801	Pi conserved hypothetical protein (	-33.0239	-33.9844	0.364564	0.918645	BH
PITG_09680	Pi conserved hypothetical protein (	-33.0239	-33.9844	0.364564	0.918645	BH
PITG_10271	Pi conserved hypothetical protein (	-33.0239	-33.9844	0.364564	0.918645	BH
PITG_10321	Pi conserved hypothetical protein (	-32.9711	-34.0898	0.364564	0.918645	BH
PITG_10420	Pi conserved hypothetical protein (	-33.0239	-33.9844	0.364564	0.918645	BH
PITG_10864	Pi conserved hypothetical protein (	-33.0239	-33.9844	0.364564	0.918645	BH
PITG_13134	Pi conserved hypothetical protein (	-33.0239	-33.9844	0.364564	0.918645	BH
PITG_13305	Pi aldose 1-epimerase, putative (90	-33.0239	-33.9844	0.364564	0.918645	BH
PITG_13344	Pi Cytochrome Oxidase Biogenesis	-33.0239	-33.9844	0.364564	0.918645	BH
PITG_14137	Pi histone-lysine N-methyltransfera	-33.0239	-33.9844	0.364564	0.918645	BH
PITG_14163	Pi Voltage-gated Ion Channel (VIC)	-33.0239	-33.9844	0.364564	0.918645	BH
PITG_15637	Pi abnormal spindle-like microceph	-33.0239	-33.9844	0.364564	0.918645	BH
PITG_16132	Pi phosphatidylinositide phosphata	-33.0239	-33.9844	0.364564	0.918645	BH
PITG_16938	Pi conserved hypothetical protein (	-33.0239	-33.9844	0.364564	0.918645	BH
PITG_16942	Pi conserved hypothetical protein (	-32.9711	-34.0898	0.364564	0.918645	BH
PITG_17158	Pi conserved hypothetical protein (	-33.0239	-33.9844	0.364564	0.918645	BH
PITG_17487	Pi conserved hypothetical protein (	-33.0239	-33.9844	0.364564	0.918645	BH
PITG_18374	Pi lysophosphatidylcholine acyltrar	-33.0239	-33.9844	0.364564	0.918645	BH
PITG_18644	Pi conserved hypothetical protein (	-33.0239	-33.9844	0.364564	0.918645	BH
PITG_18759	Pi conserved hypothetical protein (	-33.0239	-33.9844	0.364564	0.918645	BH
PITG_18795	Pi conserved hypothetical protein (	-32.9711	-34.0898	0.364564	0.918645	BH
PITG_19126	Pi conserved hypothetical protein (	-33.0239	-33.9844	0.364564	0.918645	BH
PITG_19857	Pi conserved hypothetical protein (	-33.0239	-33.9844	0.364564	0.918645	BH
PITG_20504	Pi conserved hypothetical protein (	-33.0239	-33.9844	0.364564	0.918645	BH

PITG_20908	Pi conserved hypothetical protein (	-33.0239	-33.9844	0.364564	0.918645	BH
PITG_21639	Pi M96 mating-specific protein far	-33.0239	-33.9844	0.364564	0.918645	BH
PITG_22414	Pi conserved hypothetical protein (	-33.0239	-33.9844	0.364564	0.918645	BH
PITG_22585	Pi conserved hypothetical protein (	-32.9711	-34.0898	0.364564	0.918645	BH
PITG_23284	Pi crinkler (CRN) domain, pseudoge	-33.0239	-33.9844	0.364564	0.918645	BH
PITG_00039	Pi telomere length regulation prot	-32.9843	-34.0636	0.365364	0.918645	BH
PITG_00082	Pi monovalent Cation:Proton Antip	-32.9843	-34.0636	0.365364	0.918645	BH
PITG_00226	Pi kinesin-like protein (3531 nt)	-32.9843	-34.0636	0.365364	0.918645	BH
PITG_00275	Pi Iron(III)-zinc(II) purple acid phos	-32.9843	-34.0636	0.365364	0.918645	BH
PITG_01232	Pi conserved hypothetical protein (	-32.9843	-34.0636	0.365364	0.918645	BH
PITG_01960	Pi conserved hypothetical protein (	-32.9843	-34.0636	0.365364	0.918645	BH
PITG_02184	Pi conserved hypothetical protein (	-32.9843	-34.0636	0.365364	0.918645	BH
PITG_03002	Pi patatin-like phospholipase, puta	-32.9843	-34.0636	0.365364	0.918645	BH
PITG_03405	Pi conserved hypothetical protein (	-32.9843	-34.0636	0.365364	0.918645	BH
PITG_03457	Pi conserved hypothetical protein (	-32.9843	-34.0636	0.365364	0.918645	BH
PITG_03565	Pi hypothetical protein (851 nt)	-32.9843	-34.0636	0.365364	0.918645	BH
PITG_03748	Pi conserved hypothetical protein (	-32.9843	-34.0636	0.365364	0.918645	BH
PITG_06220	Pi conserved hypothetical protein (	-32.9843	-34.0636	0.365364	0.918645	BH
PITG_06393	Pi hypothetical protein (2765 nt)	-32.9843	-34.0636	0.365364	0.918645	BH
PITG_06407	Pi conserved hypothetical protein (	-32.9843	-34.0636	0.365364	0.918645	BH
PITG_06910	Pi Mitochondrial Carrier (MC) Fami	-32.9843	-34.0636	0.365364	0.918645	BH
PITG_06946	Pi conserved hypothetical protein (	-32.9843	-34.0636	0.365364	0.918645	BH
PITG_07661	Pi Major Facilitator Superfamily (M	-32.9843	-34.0636	0.365364	0.918645	BH
PITG_08143	Pi elicitin-like protein (459 nt)	-32.9843	-34.0636	0.365364	0.918645	BH
PITG_08368	Pi peptidyl-prolyl cis-trans isomera	-32.9843	-34.0636	0.365364	0.918645	BH
PITG_08383	Pi DNA-directed RNA polymerase II	-32.9843	-34.0636	0.365364	0.918645	BH
PITG_08566	Pi conserved hypothetical protein (	-32.9843	-34.0636	0.365364	0.918645	BH
PITG_08668	Pi hypothetical protein (510 nt)	-32.9843	-34.0636	0.365364	0.918645	BH
PITG_09250	Pi transmembrane protein, putativ	-32.9843	-34.0636	0.365364	0.918645	BH
PITG_10045	Pi ser/thr kinase (4007 nt)	-32.9843	-34.0636	0.365364	0.918645	BH
PITG_10423	Pi conserved hypothetical protein (	-32.9843	-34.0636	0.365364	0.918645	BH
PITG_10721	Pi transmembrane protein, putativ	-32.9843	-34.0636	0.365364	0.918645	BH
PITG_10968	Pi CCR4-NOT transcription comple	-32.9843	-34.0636	0.365364	0.918645	BH
PITG_11035	Pi transmembrane protein, putativ	-32.9843	-34.0636	0.365364	0.918645	BH
PITG_11921	Pi epoxide hydrolase, putative (890	-32.9843	-34.0636	0.365364	0.918645	BH
PITG_13435	Pi conserved hypothetical protein (	-32.9843	-34.0636	0.365364	0.918645	BH
PITG_13792	Pi ribonuclease H2 subunit A, puta	-32.9843	-34.0636	0.365364	0.918645	BH
PITG_14483	Pi conserved hypothetical protein (	-32.9843	-34.0636	0.365364	0.918645	BH
PITG_15889	Pi serine protease family S54, puta	-32.9843	-34.0636	0.365364	0.918645	BH
PITG_16209	Pi conserved hypothetical protein (	-32.9843	-34.0636	0.365364	0.918645	BH
PITG_16400	Pi conserved hypothetical protein (	-32.9843	-34.0636	0.365364	0.918645	BH
PITG_16430	Pi conserved hypothetical protein (	-32.9843	-34.0636	0.365364	0.918645	BH
PITG_16820	Pi conserved hypothetical protein (	-32.9843	-34.0636	0.365364	0.918645	BH
PITG_17669	Pi M96 mating-specific protein far	-32.9843	-34.0636	0.365364	0.918645	BH
PITG_18813	Pi conserved hypothetical protein (	-32.9843	-34.0636	0.365364	0.918645	BH
PITG_19659	Pi ATP-binding Cassette (ABC) Supe	-32.9843	-34.0636	0.365364	0.918645	BH
PITG_20657	Pi conserved hypothetical protein (	-32.9843	-34.0636	0.365364	0.918645	BH

PITG_20779	Pi hypothetical protein (693 nt)	-32.9843	-34.0636	0.365364	0.918645	BH
PITG_00031	Pi conserved hypothetical protein (	-32.9111	-34.21	0.366166	0.918645	BH
PITG_00748	Pi conserved hypothetical protein (	-32.9468	-34.1385	0.366166	0.918645	BH
PITG_01283	Pi glycoside hydrolase, putative (85	-32.9468	-34.1385	0.366166	0.918645	BH
PITG_01441	Pi conserved hypothetical protein (	-32.9468	-34.1385	0.366166	0.918645	BH
PITG_01564	Pi amino-acid acetyltransferase, pu	-32.9468	-34.1385	0.366166	0.918645	BH
PITG_01954	Pi conserved hypothetical protein (	-32.9111	-34.21	0.366166	0.918645	BH
PITG_01993	Pi transmembrane protein, putativ	-32.9111	-34.21	0.366166	0.918645	BH
PITG_02193	Pi conserved hypothetical protein (	-32.9468	-34.1385	0.366166	0.918645	BH
PITG_02238	Pi conserved hypothetical protein (	-32.9468	-34.1385	0.366166	0.918645	BH
PITG_02677	Pi DEAD/DEAH box RNA helicase, p	-32.9111	-34.21	0.366166	0.918645	BH
PITG_02885	Pi conserved hypothetical protein (	-32.9468	-34.1385	0.366166	0.918645	BH
PITG_03584	Pi hypothetical protein (2286 nt)	-32.9468	-34.1385	0.366166	0.918645	BH
PITG_03749	Pi hypothetical protein (975 nt)	-32.9468	-34.1385	0.366166	0.918645	BH
PITG_03789	Pi conserved hypothetical protein (	-32.9468	-34.1385	0.366166	0.918645	BH
PITG_03877	Pi conserved hypothetical protein (	-32.9111	-34.21	0.366166	0.918645	BH
PITG_03891	Pi conserved hypothetical protein (	-32.9111	-34.21	0.366166	0.918645	BH
PITG_04053	Pi conserved hypothetical protein (	-32.9468	-34.1385	0.366166	0.918645	BH
PITG_04575	Pi conserved hypothetical protein (	-32.9111	-34.21	0.366166	0.918645	BH
PITG_04644	Pi mRNA cap guanine-N7 methyltra	-32.9111	-34.21	0.366166	0.918645	BH
PITG_04877	Pi oxidase, putative (1849 nt)	-32.9468	-34.1385	0.366166	0.918645	BH
PITG_05517	Pi regulatory-associated protein of	-32.9468	-34.1385	0.366166	0.918645	BH
PITG_06033	Pi conserved hypothetical protein (	-32.9111	-34.21	0.366166	0.918645	BH
PITG_06067	Pi conserved hypothetical protein (	-32.9111	-34.21	0.366166	0.918645	BH
PITG_06944	Pi conserved hypothetical protein (	-32.9111	-34.21	0.366166	0.918645	BH
PITG_07061	Pi ubiquitin-conjugating enzyme E2	-32.9468	-34.1385	0.366166	0.918645	BH
PITG_07134	Pi ATP-binding Cassette (ABC) Sup	-32.9111	-34.21	0.366166	0.918645	BH
PITG_07941	Pi conserved hypothetical protein (	-32.9111	-34.21	0.366166	0.918645	BH
PITG_08056	Pi carbohydrate esterase, putative	-32.9111	-34.21	0.366166	0.918645	BH
PITG_08386	Pi hypothetical protein (516 nt)	-32.9468	-34.1385	0.366166	0.918645	BH
PITG_08506	Pi conserved hypothetical protein (	-32.9111	-34.21	0.366166	0.918645	BH
PITG_08993	Pi conserved hypothetical protein (	-32.9468	-34.1385	0.366166	0.918645	BH
PITG_09270	Pi structural maintenance of chron	-32.9111	-34.21	0.366166	0.918645	BH
PITG_09876	Pi conserved hypothetical protein (	-32.9468	-34.1385	0.366166	0.918645	BH
PITG_10675	Pi protein kinase, putative (1566 nt)	-32.9468	-34.1385	0.366166	0.918645	BH
PITG_10794	Pi conserved oligomeric Golgi com	-32.9111	-34.21	0.366166	0.918645	BH
PITG_10817	Pi nonsense transcript regulator (1	-32.9111	-34.21	0.366166	0.918645	BH
PITG_10898	Pi conserved hypothetical protein (	-32.9468	-34.1385	0.366166	0.918645	BH
PITG_10912	Pi conserved hypothetical protein (	-32.9111	-34.21	0.366166	0.918645	BH
PITG_11497	Pi transcriptional regulator ATRX (3	-32.9111	-34.21	0.366166	0.918645	BH
PITG_11557	Pi conserved hypothetical protein (	-32.9111	-34.21	0.366166	0.918645	BH
PITG_12331	Pi cleavage and polyadenylation sp	-32.9468	-34.1385	0.366166	0.918645	BH
PITG_12993	Pi serine/threonine protein kinase	-32.9468	-34.1385	0.366166	0.918645	BH
PITG_13224	Pi beclin-1-like protein (2184 nt)	-32.9111	-34.21	0.366166	0.918645	BH
PITG_13383	Pi glycoprotein elicitor-like protein	-32.9468	-34.1385	0.366166	0.918645	BH
PITG_13421	Pi tripeptidyl-peptidase, putative (	-32.9468	-34.1385	0.366166	0.918645	BH
PITG_13426	Pi conserved hypothetical protein (	-32.9468	-34.1385	0.366166	0.918645	BH

PITG_15075	Pi Major Facilitator Superfamily (M	-32.9468	-34.1385	0.366166	0.918645	BH
PITG_15141	Pi conserved hypothetical protein (	-32.9468	-34.1385	0.366166	0.918645	BH
PITG_15644	Pi glycoside hydrolase, putative (20	-32.9111	-34.21	0.366166	0.918645	BH
PITG_15749	Pi conserved hypothetical protein (	-32.8959	-34.2404	0.366166	0.918645	BH
PITG_16312	Pi vacuolar protein sorting-associat	-32.9468	-34.1385	0.366166	0.918645	BH
PITG_16461	Pi protein kinase, putative (2618 nt	-32.9111	-34.21	0.366166	0.918645	BH
PITG_17282	Pi conserved hypothetical protein (	-32.9468	-34.1385	0.366166	0.918645	BH
PITG_17391	Pi conserved hypothetical protein (	-32.9468	-34.1385	0.366166	0.918645	BH
PITG_18044	Pi conserved hypothetical protein (	-32.9468	-34.1385	0.366166	0.918645	BH
PITG_18250	Pi conserved hypothetical protein (	-32.9111	-34.21	0.366166	0.918645	BH
PITG_18320	Pi conserved hypothetical protein (	-32.9468	-34.1385	0.366166	0.918645	BH
PITG_18328	Pi conserved hypothetical protein (	-32.9468	-34.1385	0.366166	0.918645	BH
PITG_18372	Pi myotubularin-like protein (4389	-32.9468	-34.1385	0.366166	0.918645	BH
PITG_18649	Pi SUMO protease, putative (666 nt	-32.9111	-34.21	0.366166	0.918645	BH
PITG_19110	Pi conserved hypothetical protein (	-32.9111	-34.21	0.366166	0.918645	BH
PITG_19208	Pi conserved hypothetical protein (	-32.9111	-34.21	0.366166	0.918645	BH
PITG_19657	Pi conserved hypothetical protein (	-32.8959	-34.2404	0.366166	0.918645	BH
PITG_20120	Pi hypothetical protein (234 nt)	-32.9468	-34.1385	0.366166	0.918645	BH
PITG_20525	Pi conserved hypothetical protein (	-32.9468	-34.1385	0.366166	0.918645	BH
PITG_21507	Pi sterol 3-beta-glucosyltransferase	-32.9468	-34.1385	0.366166	0.918645	BH
PITG_21573	Pi conserved hypothetical protein (	-32.9468	-34.1385	0.366166	0.918645	BH
PITG_21601	Pi conserved hypothetical protein (	-32.9468	-34.1385	0.366166	0.918645	BH
PITG_00185	Pi Voltage-gated Ion Channel (VIC)	-32.8773	-34.2775	0.366972	0.918645	BH
PITG_00197	Pi conserved hypothetical protein (	-32.8773	-34.2775	0.366972	0.918645	BH
PITG_01005	Pi conserved hypothetical protein (	-32.8773	-34.2775	0.366972	0.918645	BH
PITG_01252	Pi conserved hypothetical protein (	-32.8773	-34.2775	0.366972	0.918645	BH
PITG_01902	Pi conserved hypothetical protein (	-32.8449	-34.3423	0.366972	0.918645	BH
PITG_01921	Pi conserved hypothetical protein (	-32.8449	-34.3423	0.366972	0.918645	BH
PITG_01989	Pi hypothetical protein (249 nt)	-32.8773	-34.2775	0.366972	0.918645	BH
PITG_02525	Pi elicitin-like mating protein M25	-32.8773	-34.2775	0.366972	0.918645	BH
PITG_03032	Pi conserved hypothetical protein (	-32.8449	-34.3423	0.366972	0.918645	BH
PITG_03083	Pi nuclease precursor (725 nt)	-32.8449	-34.3423	0.366972	0.918645	BH
PITG_03413	Pi conserved hypothetical protein (	-32.8449	-34.3423	0.366972	0.918645	BH
PITG_03571	Pi phosphatidylinositol kinase (PIK-	-32.8449	-34.3423	0.366972	0.918645	BH
PITG_03959	Pi conserved hypothetical protein (	-32.8773	-34.2775	0.366972	0.918645	BH
PITG_04044	Pi conserved hypothetical protein (	-32.8773	-34.2775	0.366972	0.918645	BH
PITG_04079	Pi hypothetical protein (673 nt)	-33.013	-34.0062	0.366972	0.918645	BH
PITG_05195	Pi conserved hypothetical protein (	-32.8773	-34.2775	0.366972	0.918645	BH
PITG_05218	Pi ATP-binding Cassette (ABC) Super	-32.8773	-34.2775	0.366972	0.918645	BH
PITG_05338	Pi protein kinase (2601 nt)	-32.8449	-34.3423	0.366972	0.918645	BH
PITG_05644	Pi phosphatidylinositol-3-phosphat	-32.8449	-34.3423	0.366972	0.918645	BH
PITG_05889	Pi conserved hypothetical protein (	-32.8773	-34.2775	0.366972	0.918645	BH
PITG_06213	Pi Resistance-Nodulation-Cell Divis	-32.8449	-34.3423	0.366972	0.918645	BH
PITG_06260	Pi dihydroxyacetone kinase, putati	-32.8773	-34.2775	0.366972	0.918645	BH
PITG_07233	Pi GPI inositol-deacylase, putative	-32.8773	-34.2775	0.366972	0.918645	BH
PITG_07347	Pi conserved hypothetical protein (	-32.8449	-34.3423	0.366972	0.918645	BH
PITG_07395	Pi hypothetical protein (563 nt)	-32.8773	-34.2775	0.366972	0.918645	BH

PITG_07731	Pi protein kinase, putative (2749 nt)	-32.8773	-34.2775	0.366972	0.918645	BH
PITG_07870	Pi conserved hypothetical protein (175 nt)	-32.8449	-34.3423	0.366972	0.918645	BH
PITG_08032	Pi P-type ATPase (P-ATPase) Superfamily	-32.8449	-34.3423	0.366972	0.918645	BH
PITG_08040	Pi conserved hypothetical protein (175 nt)	-32.8773	-34.2775	0.366972	0.918645	BH
PITG_08045	Pi dimethyladenosine transferase (175 nt)	-32.8449	-34.3423	0.366972	0.918645	BH
PITG_08207	Pi conserved hypothetical protein (175 nt)	-32.8773	-34.2775	0.366972	0.918645	BH
PITG_08995	Pi conserved hypothetical protein (175 nt)	-32.8773	-34.2775	0.366972	0.918645	BH
PITG_09365	Pi conserved hypothetical protein (175 nt)	-32.8449	-34.3423	0.366972	0.918645	BH
PITG_09581	Pi conserved hypothetical protein (175 nt)	-32.8773	-34.2775	0.366972	0.918645	BH
PITG_10419	Pi ubiquitin-conjugating enzyme E2 (175 nt)	-32.8773	-34.2775	0.366972	0.918645	BH
PITG_10472	Pi conserved hypothetical protein (175 nt)	-32.8773	-34.2775	0.366972	0.918645	BH
PITG_10594	Pi conserved hypothetical protein (175 nt)	-32.8773	-34.2775	0.366972	0.918645	BH
PITG_11305	Pi hypothetical protein (755 nt)	-32.8773	-34.2775	0.366972	0.918645	BH
PITG_13055	Pi conserved hypothetical protein (175 nt)	-32.8449	-34.3423	0.366972	0.918645	BH
PITG_13259	Pi conserved hypothetical protein (175 nt)	-32.8773	-34.2775	0.366972	0.918645	BH
PITG_13992	Pi conserved hypothetical protein (175 nt)	-32.8449	-34.3423	0.366972	0.918645	BH
PITG_14992	Pi protein kinase, putative (3270 nt)	-32.8449	-34.3423	0.366972	0.918645	BH
PITG_15309	Pi DNA mismatch repair protein (175 nt)	-32.8773	-34.2775	0.366972	0.918645	BH
PITG_15607	Pi conserved hypothetical protein (175 nt)	-32.8773	-34.2775	0.366972	0.918645	BH
PITG_15736	Pi conserved hypothetical protein (175 nt)	-32.8449	-34.3423	0.366972	0.918645	BH
PITG_16918	Pi conserved hypothetical protein (175 nt)	-32.8773	-34.2775	0.366972	0.918645	BH
PITG_17068	Pi conserved hypothetical protein (175 nt)	-32.8773	-34.2775	0.366972	0.918645	BH
PITG_17984	Pi conserved hypothetical protein (175 nt)	-32.8449	-34.3423	0.366972	0.918645	BH
PITG_18015	Pi glycosyl transferase, putative (175 nt)	-32.8773	-34.2775	0.366972	0.918645	BH
PITG_18658	Pi conserved hypothetical protein (175 nt)	-32.8449	-34.3423	0.366972	0.918645	BH
PITG_18753	Pi conserved hypothetical protein (175 nt)	-32.8773	-34.2775	0.366972	0.918645	BH
PITG_18961	Pi conserved hypothetical protein (175 nt)	-32.8449	-34.3423	0.366972	0.918645	BH
PITG_19048	Pi hypothetical protein (407 nt)	-32.8773	-34.2775	0.366972	0.918645	BH
PITG_19436	Pi sister chromatid cohesion protein (175 nt)	-32.8773	-34.2775	0.366972	0.918645	BH
PITG_20236	Pi conserved hypothetical protein (175 nt)	-32.8773	-34.2775	0.366972	0.918645	BH
PITG_20823	Pi conserved hypothetical protein (175 nt)	-32.8773	-34.2775	0.366972	0.918645	BH
PITG_21144	Pi conserved hypothetical protein (175 nt)	-32.8773	-34.2775	0.366972	0.918645	BH
PITG_21179	Pi conserved hypothetical protein (175 nt)	-32.8773	-34.2775	0.366972	0.918645	BH
PITG_21216	Pi hypothetical protein (306 nt)	-32.8449	-34.3423	0.366972	0.918645	BH
PITG_21942	Pi conserved hypothetical protein (175 nt)	-32.8449	-34.3423	0.366972	0.918645	BH
PITG_22035	Pi conserved hypothetical protein (175 nt)	-32.8773	-34.2775	0.366972	0.918645	BH
PITG_02221	Pi thymidylate kinase (651 nt)	-32.9333	-34.1655	0.367782	0.918645	BH
PITG_05511	Pi Mitochondrial Carrier (MC) Family	-32.9333	-34.1655	0.367782	0.918645	BH
PITG_13801	Pi conserved hypothetical protein (175 nt)	-32.9333	-34.1655	0.367782	0.918645	BH
PITG_14613	Pi conserved hypothetical protein (175 nt)	-32.9333	-34.1655	0.367782	0.918645	BH
PITG_14868	Pi hypothetical protein (1766 nt)	-32.9333	-34.1655	0.367782	0.918645	BH
PITG_22689	Pi hypothetical protein (1677 nt)	-32.9333	-34.1655	0.367782	0.918645	BH
PITG_00884	Pi conserved hypothetical protein (175 nt)	-12.9844	-1.257	0.367791	0.918645	BH
PITG_12833	Pi conserved hypothetical protein (175 nt)	-12.0842	1.692962	0.368603	0.918645	BH
PITG_00466	Pi conserved hypothetical protein (175 nt)	-32.982	-34.0681	0.369413	0.918645	BH
PITG_01404	Pi conserved hypothetical protein (175 nt)	-32.982	-34.0681	0.369413	0.918645	BH
PITG_01622	Pi myosin-like protein (4212 nt)	-32.9449	-34.1423	0.369413	0.918645	BH

PITG_02199	Pi conserved hypothetical protein (	-32.982	-34.0681	0.369413	0.918645	BH
PITG_05443	Pi hypothetical protein (746 nt)	-32.982	-34.0681	0.369413	0.918645	BH
PITG_05455	Pi hypothetical protein (1667 nt)	-32.9449	-34.1423	0.369413	0.918645	BH
PITG_05478	Pi conserved hypothetical protein (	-32.9449	-34.1423	0.369413	0.918645	BH
PITG_05563	Pi hypothetical protein (347 nt)	-32.982	-34.0681	0.369413	0.918645	BH
PITG_05639	Pi conserved hypothetical protein (	-32.982	-34.0681	0.369413	0.918645	BH
PITG_06671	Pi canalicular multispecific organic	-32.982	-34.0681	0.369413	0.918645	BH
PITG_06901	Pi conserved hypothetical protein (	-32.982	-34.0681	0.369413	0.918645	BH
PITG_08230	Pi vacuolar protein sorting-associat	-32.9449	-34.1423	0.369413	0.918645	BH
PITG_08333	Pi conserved hypothetical protein (	-32.982	-34.0681	0.369413	0.918645	BH
PITG_08502	Pi conserved hypothetical protein (	-32.982	-34.0681	0.369413	0.918645	BH
PITG_08686	Pi conserved hypothetical protein (	-32.982	-34.0681	0.369413	0.918645	BH
PITG_08690	Pi conserved hypothetical protein (	-32.982	-34.0681	0.369413	0.918645	BH
PITG_10175	Pi conserved hypothetical protein (	-32.982	-34.0681	0.369413	0.918645	BH
PITG_10314	Pi conserved hypothetical protein (	-32.982	-34.0681	0.369413	0.918645	BH
PITG_10521	Pi hypothetical protein (2059 nt)	-32.982	-34.0681	0.369413	0.918645	BH
PITG_10544	Pi putative GPI-anchored acidic pro	-32.9449	-34.1423	0.369413	0.918645	BH
PITG_11723	Pi vacuolar protein sorting-associat	-32.9449	-34.1423	0.369413	0.918645	BH
PITG_12150	Pi conserved hypothetical protein (	-32.982	-34.0681	0.369413	0.918645	BH
PITG_12429	Pi conserved hypothetical protein (	-32.9449	-34.1423	0.369413	0.918645	BH
PITG_12588	Pi phosphatidylinositol N-acetylglu	-32.982	-34.0681	0.369413	0.918645	BH
PITG_12930	Pi porphobilinogen deaminase (13:	-32.982	-34.0681	0.369413	0.918645	BH
PITG_13273	Pi conserved hypothetical protein (	-32.9449	-34.1423	0.369413	0.918645	BH
PITG_13337	Pi conserved hypothetical protein (	-32.982	-34.0681	0.369413	0.918645	BH
PITG_13447	Pi conserved hypothetical protein (	-32.9449	-34.1423	0.369413	0.918645	BH
PITG_13609	Pi conserved hypothetical protein (	-32.982	-34.0681	0.369413	0.918645	BH
PITG_13764	Pi conserved hypothetical protein (	-32.9449	-34.1423	0.369413	0.918645	BH
PITG_14156	Pi protein kinase, putative (2271 nt)	-32.9449	-34.1423	0.369413	0.918645	BH
PITG_14270	Pi GPI-anchored leucine-rich lipopr	-32.9449	-34.1423	0.369413	0.918645	BH
PITG_16528	Pi hsp70-like protein (1904 nt)	-32.982	-34.0681	0.369413	0.918645	BH
PITG_16842	Pi conserved hypothetical protein (	-32.982	-34.0681	0.369413	0.918645	BH
PITG_17388	Pi conserved hypothetical protein (	-32.982	-34.0681	0.369413	0.918645	BH
PITG_17692	Pi conserved hypothetical protein (	-32.982	-34.0681	0.369413	0.918645	BH
PITG_17845	Pi carbonic anhydrase, putative (5:	-32.982	-34.0681	0.369413	0.918645	BH
PITG_17985	Pi conserved hypothetical protein (	-32.982	-34.0681	0.369413	0.918645	BH
PITG_18323	Pi conserved hypothetical protein (	-32.982	-34.0681	0.369413	0.918645	BH
PITG_19489	Pi conserved hypothetical protein (	-32.982	-34.0681	0.369413	0.918645	BH
PITG_19646	Pi pre-mRNA-processing factor 19,	-32.9449	-34.1423	0.369413	0.918645	BH
PITG_20218	Pi hypothetical protein (629 nt)	-32.9449	-34.1423	0.369413	0.918645	BH
PITG_22141	Pi conserved hypothetical protein (	-32.982	-34.0681	0.369413	0.918645	BH
PITG_22548	Pi hypothetical protein similar to p	-32.982	-34.0681	0.369413	0.918645	BH
PITG_22600	Pi conserved hypothetical protein (	-32.982	-34.0681	0.369413	0.918645	BH
PITG_15133	Pi conserved hypothetical protein (	-32.8611	-34.31	0.369413	0.918645	BH
PITG_00930	Pi conserved hypothetical protein (	-12.5211	-1.14705	0.37005	0.918645	BH
PITG_08681	Pi elongation factor G, mitochondr	-15.3454	3.143605	0.370124	0.918645	BH
PITG_04156	Pi conserved hypothetical protein (	-32.9099	-34.2123	0.370233	0.918645	BH
PITG_04204	Pi geranylgeranyl transferase type-	-32.9099	-34.2123	0.370233	0.918645	BH

PITG_04399	Pi Amino Acid/Auxin Permease (AA	-32.9099	-34.2123	0.370233	0.918645	BH
PITG_06304	Pi conserved hypothetical protein (	-32.9099	-34.2123	0.370233	0.918645	BH
PITG_07801	Pi conserved hypothetical protein (	-32.9099	-34.2123	0.370233	0.918645	BH
PITG_07944	Pi conserved hypothetical protein (	-32.9099	-34.2123	0.370233	0.918645	BH
PITG_08998	Pi endoglucanase, putative (1107 r	-32.9099	-34.2123	0.370233	0.918645	BH
PITG_10485	Pi conserved hypothetical protein (	-32.9099	-34.2123	0.370233	0.918645	BH
PITG_10518	Pi bloom syndrome protein (3969 i	-32.9099	-34.2123	0.370233	0.918645	BH
PITG_10973	Pi conserved hypothetical protein (	-32.9099	-34.2123	0.370233	0.918645	BH
PITG_11476	Pi conserved hypothetical protein (	-32.9099	-34.2123	0.370233	0.918645	BH
PITG_12498	Pi conserved hypothetical protein (	-32.9099	-34.2123	0.370233	0.918645	BH
PITG_12919	Pi conserved hypothetical protein (	-32.9099	-34.2123	0.370233	0.918645	BH
PITG_15810	Pi eukaryotic translation initiation	-32.9099	-34.2123	0.370233	0.918645	BH
PITG_16131	Pi conserved hypothetical protein (	-32.9099	-34.2123	0.370233	0.918645	BH
PITG_17378	Pi 5'-nucleotidase domain-containi	-32.9099	-34.2123	0.370233	0.918645	BH
PITG_19420	Pi hypothetical protein (252 nt)	-32.9099	-34.2123	0.370233	0.918645	BH
PITG_20706	Pi conserved hypothetical protein (	-32.9099	-34.2123	0.370233	0.918645	BH
PITG_16683	Pi transmembrane protein, putativ	-32.9728	-34.0865	0.370233	0.918645	BH
PITG_20386	Pi eukaryotic translation initiation	-13.9665	1.659918	0.370373	0.918645	BH
PITG_00260	Pi conserved hypothetical protein (	-32.8966	-34.2389	0.371058	0.918645	BH
PITG_01063	Pi conserved hypothetical protein (	-32.8966	-34.2389	0.371058	0.918645	BH
PITG_01298	Pi conserved hypothetical protein (	-32.8766	-34.279	0.371058	0.918645	BH
PITG_01676	Pi conserved hypothetical protein (	-32.8766	-34.279	0.371058	0.918645	BH
PITG_01869	Pi alpha,alpha-trehalose-phosphat	-32.8766	-34.279	0.371058	0.918645	BH
PITG_03402	Pi conserved hypothetical protein (	-32.8766	-34.279	0.371058	0.918645	BH
PITG_06296	Pi ATP-binding Cassette (ABC) Sup	-32.8766	-34.279	0.371058	0.918645	BH
PITG_06437	Pi enoyl-CoA hydratase/isomerase	-32.8766	-34.279	0.371058	0.918645	BH
PITG_07633	Pi conserved hypothetical protein (	-32.935	-34.1622	0.371058	0.918645	BH
PITG_07772	Pi conserved hypothetical protein (	-32.8766	-34.279	0.371058	0.918645	BH
PITG_08808	Pi calcyphosin-like protein (1653 n	-32.8766	-34.279	0.371058	0.918645	BH
PITG_09209	Pi conserved hypothetical protein (	-32.8766	-34.279	0.371058	0.918645	BH
PITG_09663	Pi hypothetical protein (538 nt)	-32.8766	-34.279	0.371058	0.918645	BH
PITG_10853	Pi conserved hypothetical protein (	-32.8766	-34.279	0.371058	0.918645	BH
PITG_11617	Pi alkylated DNA repair protein alk	-32.8766	-34.279	0.371058	0.918645	BH
PITG_12620	Pi conserved hypothetical protein (	-32.8766	-34.279	0.371058	0.918645	BH
PITG_13050	Pi hypothetical protein (455 nt)	-32.8766	-34.279	0.371058	0.918645	BH
PITG_13774	Pi conserved hypothetical protein (	-32.8766	-34.279	0.371058	0.918645	BH
PITG_14300	Pi conserved hypothetical protein (	-32.8766	-34.279	0.371058	0.918645	BH
PITG_15967	Pi dynein heavy chain, outer arm (:	-32.8766	-34.279	0.371058	0.918645	BH
PITG_16539	Pi conserved hypothetical protein (	-32.935	-34.1622	0.371058	0.918645	BH
PITG_18106	Pi vacuolar protein sorting-associat	-32.8766	-34.279	0.371058	0.918645	BH
PITG_19216	Pi conserved hypothetical protein (	-32.8766	-34.279	0.371058	0.918645	BH
PITG_19644	Pi carbohydrate-binding protein, p	-32.8766	-34.279	0.371058	0.918645	BH
PITG_21773	Pi hypothetical protein (1354 nt)	-32.8766	-34.279	0.371058	0.918645	BH
PITG_21784	Pi conserved hypothetical protein (	-32.8766	-34.279	0.371058	0.918645	BH
PITG_22616	Pi conserved hypothetical protein (	-32.8766	-34.279	0.371058	0.918645	BH
PITG_14180	Pi glutamine synthetase (1184 nt)	-11.2102	1.633458	0.371984	0.918645	BH
PITG_20345	Pi conserved hypothetical protein (	-13.8403	-1.41297	0.372363	0.918645	BH



PITG_03098	Pi carbamoyl-phosphate synthase	-13.0395	1.985565	0.372457	0.918645	BH
PITG_01580	Pi conserved hypothetical protein	-13.8522	-1.3904	0.374007	0.918645	BH
PITG_03698	Pi enolase (1502 nt)	-10.4917	1.588148	0.377653	0.918645	BH
PITG_01417	Pi serine/threonine-protein phosph	-12.1916	-1.05198	0.377998	0.918645	BH
PITG_08445	Pi cystathionine gamma-lyase (122	-13.8167	-1.46524	0.378941	0.918645	BH
PITG_04977	Pi conserved hypothetical protein	-11.6111	1.697044	0.381313	0.918645	BH
PITG_13020	Pi inorganic phosphate transporter	-13.4815	2.068116	0.38184	0.918645	BH
PITG_13132	Pi caltractin (659 nt)	-13.0633	-1.12	0.382147	0.918645	BH
PITG_17525	Pi crinkler (CRN) family protein, ps	-10.1769	-1.28372	0.383154	0.918645	BH
PITG_17007	Pi cellulose synthase catalytic subu	-10.2539	-1.29218	0.385376	0.918645	BH
PITG_12158	Pi Annexin (Annexin) Family (1140	-11.229	1.657279	0.388696	0.918645	BH
PITG_00116	Pi SUMO ligase, putative (2368 nt)	-32.3204	-35.3912	0.389048	0.918645	BH
PITG_00308	Pi conserved hypothetical protein	-32.3051	-35.4219	0.389048	0.918645	BH
PITG_00479	Pi conserved hypothetical protein	-32.2901	-35.452	0.389048	0.918645	BH
PITG_00515	Pi hypothetical protein (1168 nt)	-32.3051	-35.4219	0.389048	0.918645	BH
PITG_01206	Pi xaa-Pro aminopeptidase, putativ	-32.3044	-35.4232	0.389048	0.918645	BH
PITG_01680	Pi RNA-binding protein PNO1-like p	-32.2901	-35.452	0.389048	0.918645	BH
PITG_03938	Pi conserved hypothetical protein	-32.3204	-35.3912	0.389048	0.918645	BH
PITG_04708	Pi bifunctional fold protein (927 nt	-32.2901	-35.452	0.389048	0.918645	BH
PITG_05429	Pi conserved hypothetical protein	-32.2754	-35.4814	0.389048	0.918645	BH
PITG_05560	Pi conserved hypothetical protein	-32.3044	-35.4232	0.389048	0.918645	BH
PITG_06695	Pi conserved hypothetical protein	-32.2901	-35.452	0.389048	0.918645	BH
PITG_06772	Pi ATP-binding cassette sub-family	-32.274	-35.4841	0.389048	0.918645	BH
PITG_07420	Pi hypothetical protein (1269 nt)	-32.2754	-35.4814	0.389048	0.918645	BH
PITG_10183	Pi conserved hypothetical protein	-32.3044	-35.4232	0.389048	0.918645	BH
PITG_10830	Pi cyclin-dependent kinase with F-k	-32.3044	-35.4232	0.389048	0.918645	BH
PITG_10888	Pi Resistance-Nodulation-Cell Divis	-32.2747	-35.4828	0.389048	0.918645	BH
PITG_12454	Pi GTP-binding protein, putative (2	-32.3051	-35.4219	0.389048	0.918645	BH
PITG_14717	Pi conserved hypothetical protein	-32.3051	-35.4219	0.389048	0.918645	BH
PITG_16020	Pi conserved hypothetical protein	-32.3362	-35.3598	0.389048	0.918645	BH
PITG_16346	Pi conserved hypothetical protein	-32.3051	-35.4219	0.389048	0.918645	BH
PITG_18033	Pi conserved hypothetical protein	-32.3044	-35.4232	0.389048	0.918645	BH
PITG_21602	Pi pro-apoptotic serine protease ni	-32.3204	-35.3912	0.389048	0.918645	BH
PITG_21395	Pi CBL-interacting serine/threonine	-12.1977	-1.05446	0.389546	0.918645	BH
PITG_00706	Pi isoamyl acetate-hydrolyzing este	-32.3861	-35.2599	0.39013	0.918645	BH
PITG_04600	Pi conserved hypothetical protein	-32.3861	-35.2599	0.39013	0.918645	BH
PITG_04718	Pi protein pelota (1472 nt)	-32.4029	-35.2262	0.39013	0.918645	BH
PITG_06088	Pi conserved hypothetical protein	-32.3861	-35.2599	0.39013	0.918645	BH
PITG_08653	Pi mitochondrial import inner men	-32.4029	-35.2262	0.39013	0.918645	BH
PITG_10026	Pi phosphatidate cytidyltransfera	-32.3861	-35.2599	0.39013	0.918645	BH
PITG_10989	Pi down syndrome critical region p	-32.3861	-35.2599	0.39013	0.918645	BH
PITG_15242	Pi phosphate acetyltransferase (24	-32.3861	-35.2599	0.39013	0.918645	BH
PITG_15571	Pi Mitochondrial Carrier (MC) Fami	-32.4029	-35.2262	0.39013	0.918645	BH
PITG_19991	Pi hypothetical protein (720 nt)	-32.3861	-35.2599	0.39013	0.918645	BH
PITG_00071	Pi DNA replication complex GINS p	-32.3866	-35.259	0.39013	0.918645	BH
PITG_00236	Pi cyclin-H, putative (1197 nt)	-32.3687	-35.2947	0.39013	0.918645	BH
PITG_00295	Pi conserved hypothetical protein	-32.3528	-35.3265	0.39013	0.918645	BH

PITG_00302	Pi phenylalanyl-tRNA synthetase b	-32.3356	-35.361	0.39013	0.918645	BH
PITG_00500	Pi conserved hypothetical protein (	-32.3692	-35.2936	0.39013	0.918645	BH
PITG_00656	Pi conserved hypothetical protein (	-32.3866	-35.259	0.39013	0.918645	BH
PITG_00665	Pi conserved hypothetical protein (	-32.3057	-35.4206	0.39013	0.918645	BH
PITG_00699	Pi dynactin subunit 5, putative (90	-32.3368	-35.3586	0.39013	0.918645	BH
PITG_01121	Pi ras family GTPase, putative (183	-32.3192	-35.3937	0.39013	0.918645	BH
PITG_01397	Pi glycoside hydrolase, putative (17	-32.3198	-35.3925	0.39013	0.918645	BH
PITG_01405	Pi conserved hypothetical protein (	-32.3211	-35.39	0.39013	0.918645	BH
PITG_01510	Pi conserved hypothetical protein (	-32.4034	-35.2254	0.39013	0.918645	BH
PITG_01583	Pi hypothetical protein (1278 nt)	-32.3534	-35.3254	0.39013	0.918645	BH
PITG_01681	Pi conserved hypothetical protein (	-32.3698	-35.2926	0.39013	0.918645	BH
PITG_01755	Pi conserved hypothetical protein (	-32.2907	-35.4506	0.39013	0.918645	BH
PITG_01776	Pi hypothetical protein (678 nt)	-32.3038	-35.4246	0.39013	0.918645	BH
PITG_01789	Pi conserved hypothetical protein (	-32.3528	-35.3265	0.39013	0.918645	BH
PITG_02069	Pi vacuolar sorting protein SNF8 (9	-32.3534	-35.3254	0.39013	0.918645	BH
PITG_02097	Pi hypothetical protein (2647 nt)	-32.2907	-35.4506	0.39013	0.918645	BH
PITG_02347	Pi conserved hypothetical protein (	-32.3528	-35.3265	0.39013	0.918645	BH
PITG_02564	Pi exosome complex exonuclease f	-32.3517	-35.3288	0.39013	0.918645	BH
PITG_02679	Pi conserved hypothetical protein (	-32.3528	-35.3265	0.39013	0.918645	BH
PITG_03017	Pi integrator complex subunit, put	-32.3211	-35.39	0.39013	0.918645	BH
PITG_03219	Pi geranylgeranyl transferase type-	-32.3368	-35.3586	0.39013	0.918645	BH
PITG_03532	Pi conserved hypothetical protein (	-32.4034	-35.2254	0.39013	0.918645	BH
PITG_03610	Pi conserved hypothetical protein (	-32.3522	-35.3276	0.39013	0.918645	BH
PITG_03646	Pi vacuolar protein-sorting-associa	-32.2907	-35.4506	0.39013	0.918645	BH
PITG_03659	Pi conserved hypothetical protein (	-32.2733	-35.4856	0.39013	0.918645	BH
PITG_03761	Pi conserved hypothetical protein (	-32.288	-35.4561	0.39013	0.918645	BH
PITG_03821	Pi conserved hypothetical protein (	-32.3064	-35.4193	0.39013	0.918645	BH
PITG_04421	Pi protein kinase (1613 nt)	-32.3534	-35.3254	0.39013	0.918645	BH
PITG_04555	Pi hypothetical protein (948 nt)	-32.3057	-35.4206	0.39013	0.918645	BH
PITG_04645	Pi conserved hypothetical protein (	-32.2887	-35.4547	0.39013	0.918645	BH
PITG_05149	Pi conserved hypothetical protein (	-32.3682	-35.2957	0.39013	0.918645	BH
PITG_05176	Pi histone deacetylase, putative (2	-32.2761	-35.48	0.39013	0.918645	BH
PITG_05238	Pi conserved hypothetical protein (	-32.3528	-35.3265	0.39013	0.918645	BH
PITG_05375	Pi conserved hypothetical protein (	-32.3373	-35.3574	0.39013	0.918645	BH
PITG_05500	Pi conserved hypothetical protein (	-32.288	-35.4561	0.39013	0.918645	BH
PITG_05683	Pi conserved hypothetical protein (	-32.2914	-35.4493	0.39013	0.918645	BH
PITG_05804	Pi conserved hypothetical protein (	-32.3217	-35.3887	0.39013	0.918645	BH
PITG_06121	Pi conserved hypothetical protein (	-32.3698	-35.2926	0.39013	0.918645	BH
PITG_06396	Pi N-acetyltransferase, putative (54	-32.2907	-35.4506	0.39013	0.918645	BH
PITG_06692	Pi serine protease family S09X, put	-32.3528	-35.3265	0.39013	0.918645	BH
PITG_06886	Pi conserved hypothetical protein (	-32.3534	-35.3254	0.39013	0.918645	BH
PITG_06900	Pi beta-secretase, putative (2660 n	-32.3356	-35.361	0.39013	0.918645	BH
PITG_06943	Pi conserved hypothetical protein (	-32.3057	-35.4206	0.39013	0.918645	BH
PITG_06988	Pi transmembrane protein, putativ	-32.3368	-35.3586	0.39013	0.918645	BH
PITG_07175	Pi conserved hypothetical protein (	-32.3528	-35.3265	0.39013	0.918645	BH
PITG_07211	Pi conserved hypothetical protein (	-32.3522	-35.3276	0.39013	0.918645	BH
PITG_07338	Pi conserved hypothetical protein (	-32.3866	-35.259	0.39013	0.918645	BH

PITG_08530	Pi conserved hypothetical protein (	-32.3356	-35.361	0.39013	0.918645	BH
PITG_09426	Pi conserved hypothetical protein (	-32.2761	-35.48	0.39013	0.918645	BH
PITG_09725	Pi conserved hypothetical protein (	-32.2761	-35.48	0.39013	0.918645	BH
PITG_09951	Pi dicer-like, putative (2154 nt)	-32.3356	-35.361	0.39013	0.918645	BH
PITG_09978	Pi conserved hypothetical protein (	-32.3198	-35.3925	0.39013	0.918645	BH
PITG_10293	Pi alcohol dehydrogenase, putative	-32.3687	-35.2947	0.39013	0.918645	BH
PITG_10298	Pi conserved hypothetical protein (	-32.3217	-35.3887	0.39013	0.918645	BH
PITG_10325	Pi conserved hypothetical protein (	-32.3687	-35.2947	0.39013	0.918645	BH
PITG_10539	Pi conserved hypothetical protein (	-32.2733	-35.4856	0.39013	0.918645	BH
PITG_10624	Pi conserved hypothetical protein (	-32.3692	-35.2936	0.39013	0.918645	BH
PITG_10886	Pi conserved hypothetical protein (	-32.2907	-35.4506	0.39013	0.918645	BH
PITG_11080	Pi conserved hypothetical protein (	-32.3698	-35.2926	0.39013	0.918645	BH
PITG_11656	Pi long-chain-fatty-acid-CoA ligase,	-32.3211	-35.39	0.39013	0.918645	BH
PITG_12001	Pi conserved hypothetical protein (	-32.3856	-35.2609	0.39013	0.918645	BH
PITG_12145	Pi serine protease family S33, puta	-32.4034	-35.2254	0.39013	0.918645	BH
PITG_12192	Pi conserved hypothetical protein (	-32.3692	-35.2936	0.39013	0.918645	BH
PITG_12224	Pi conserved hypothetical protein (	-32.3698	-35.2926	0.39013	0.918645	BH
PITG_12252	Pi conserved hypothetical protein (	-32.3373	-35.3574	0.39013	0.918645	BH
PITG_12465	Pi adenylate kinase, putative (806	-32.3687	-35.2947	0.39013	0.918645	BH
PITG_12516	Pi poly [ADP-ribose] polymerase 2,	-32.3368	-35.3586	0.39013	0.918645	BH
PITG_12661	Pi conserved hypothetical protein (	-32.3064	-35.4193	0.39013	0.918645	BH
PITG_13165	Pi D-3-phosphoglycerate dehydrog	-32.3856	-35.2609	0.39013	0.918645	BH
PITG_13284	Pi conserved hypothetical protein (	-32.3698	-35.2926	0.39013	0.918645	BH
PITG_13803	Pi Hect domain-containing protein,	-32.3534	-35.3254	0.39013	0.918645	BH
PITG_13827	Pi conserved hypothetical protein (	-32.4034	-35.2254	0.39013	0.918645	BH
PITG_13903	Pi conserved hypothetical protein (	-32.3692	-35.2936	0.39013	0.918645	BH
PITG_14863	Pi NADH-ubiquinone oxidoreducta:	-32.3866	-35.259	0.39013	0.918645	BH
PITG_15596	Pi protein kinase (1075 nt)	-32.3368	-35.3586	0.39013	0.918645	BH
PITG_15839	Pi conserved hypothetical protein (	-32.2887	-35.4547	0.39013	0.918645	BH
PITG_16137	Pi conserved hypothetical protein (	-32.3856	-35.2609	0.39013	0.918645	BH
PITG_16358	Pi RING Finger Ubiquitin ligase, put	-32.3373	-35.3574	0.39013	0.918645	BH
PITG_16526	Pi DNA-directed RNA polymerases	-32.3356	-35.361	0.39013	0.918645	BH
PITG_16563	Pi conserved hypothetical protein (	-32.3038	-35.4246	0.39013	0.918645	BH
PITG_16628	Pi hypothetical protein (1281 nt)	-32.3517	-35.3288	0.39013	0.918645	BH
PITG_17131	Pi conserved hypothetical protein (	-32.3856	-35.2609	0.39013	0.918645	BH
PITG_17292	Pi protein kinase (2211 nt)	-32.3368	-35.3586	0.39013	0.918645	BH
PITG_17897	Pi protein kinase, putative (2910 nt)	-32.2733	-35.4856	0.39013	0.918645	BH
PITG_17942	Pi ubiquitin activating enzyme, E1 f	-32.3866	-35.259	0.39013	0.918645	BH
PITG_17944	Pi conserved hypothetical protein (	-32.3038	-35.4246	0.39013	0.918645	BH
PITG_17992	Pi P-3 complex subunit mu, putativ	-32.2914	-35.4493	0.39013	0.918645	BH
PITG_18235	Pi transmembrane protein, putativ	-32.3866	-35.259	0.39013	0.918645	BH
PITG_18380	Pi conserved hypothetical protein (	-32.3368	-35.3586	0.39013	0.918645	BH
PITG_18651	Pi conserved hypothetical protein (	-32.3217	-35.3887	0.39013	0.918645	BH
PITG_18899	Pi vacuolar protein sorting-associat	-32.3692	-35.2936	0.39013	0.918645	BH
PITG_19152	Pi conserved hypothetical protein (	-32.3522	-35.3276	0.39013	0.918645	BH
PITG_19175	Pi conserved hypothetical protein (	-32.3687	-35.2947	0.39013	0.918645	BH
PITG_19536	Pi conserved hypothetical protein (	-32.3522	-35.3276	0.39013	0.918645	BH

PITG_20055	Pi ATP-binding Cassette (ABC) Superfamily	-32.3368	-35.3586	0.39013	0.918645	BH
PITG_20202	Pi conserved hypothetical protein (PITG_20202)	-32.3198	-35.3925	0.39013	0.918645	BH
PITG_20714	Pi putative E3 ubiquitin-protein ligase	-32.3866	-35.259	0.39013	0.918645	BH
PITG_21005	Pi conserved hypothetical protein (PITG_21005)	-32.3856	-35.2609	0.39013	0.918645	BH
PITG_21048	Pi conserved hypothetical protein (PITG_21048)	-32.3866	-35.259	0.39013	0.918645	BH
PITG_21075	Pi conserved hypothetical protein (PITG_21075)	-32.3856	-35.2609	0.39013	0.918645	BH
PITG_21329	Pi Zinc (Zn <sup>2+</sup> )-Iron (Fe <sup>2+</sup> ) Permease	-32.2761	-35.48	0.39013	0.918645	BH
PITG_21626	Pi ATP-binding cassette protein, putative	-32.4034	-35.2254	0.39013	0.918645	BH
PITG_21993	Pi conserved hypothetical protein (PITG_21993)	-32.3192	-35.3937	0.39013	0.918645	BH
PITG_22856	Pi Crinkler (CRN) family protein (24 kDa)	-32.3198	-35.3925	0.39013	0.918645	BH
PITG_22958	Pi conserved hypothetical protein (PITG_22958)	-32.3211	-35.39	0.39013	0.918645	BH
PITG_10707	Pi PpiC-type peptidyl-prolyl cis-transesterase	-13.0128	-1.19646	0.390253	0.918645	BH
PITG_07914	Pi synaptobrevin-like protein (108 kDa)	-13.0086	-1.20498	0.390253	0.918645	BH
PITG_00314	Pi conserved hypothetical protein (PITG_00314)	-13.1144	-0.99708	0.390677	0.918645	BH
PITG_00194	Pi casein kinase II subunit, putative	-12.5601	-1.04877	0.39074	0.918645	BH
PITG_14615	Pi conserved hypothetical protein (PITG_14615)	-12.5642	-1.04062	0.39074	0.918645	BH
PITG_05156	Pi secretory protein OPEL (1892 nt)	-9.23459	1.75043	0.390951	0.918645	BH
PITG_00158	Pi conserved hypothetical protein (PITG_00158)	-32.338	-35.3561	0.391215	0.918645	BH
PITG_00568	Pi Drug/Metabolite Transporter (DITG_00568)	-32.3224	-35.3874	0.391215	0.918645	BH
PITG_01048	Pi conserved hypothetical protein (PITG_01048)	-32.3185	-35.3951	0.391215	0.918645	BH
PITG_01737	Pi DNA damage-binding protein, putative	-32.2768	-35.4785	0.391215	0.918645	BH
PITG_02197	Pi DNA topoisomerase, putative (200 kDa)	-32.354	-35.3242	0.391215	0.918645	BH
PITG_02765	Pi conserved hypothetical protein (PITG_02765)	-32.3851	-35.2619	0.391215	0.918645	BH
PITG_02867	Pi ubiquitin conjugation factor E4, putative	-32.3871	-35.2579	0.391215	0.918645	BH
PITG_02901	Pi glycoside hydrolase, putative (90 kDa)	-32.3703	-35.2915	0.391215	0.918645	BH
PITG_03561	Pi COP9 signalosome complex subunit	-32.3511	-35.33	0.391215	0.918645	BH
PITG_03744	Pi conserved hypothetical protein (PITG_03744)	-32.3031	-35.426	0.391215	0.918645	BH
PITG_03874	Pi actin-like protein (1385 nt)	-32.3851	-35.2619	0.391215	0.918645	BH
PITG_03947	Pi conserved hypothetical protein (PITG_03947)	-32.3511	-35.33	0.391215	0.918645	BH
PITG_05183	Pi hypothetical protein (625 nt)	-32.3703	-35.2915	0.391215	0.918645	BH
PITG_05521	Pi protein kinase, putative (2191 nt)	-32.3224	-35.3874	0.391215	0.918645	BH
PITG_06185	Pi ADP-ribosylation factor 2 (1004 nt)	-32.3703	-35.2915	0.391215	0.918645	BH
PITG_07166	Pi 2-amino-3-carboxymuconate-6-aminotransferase	-32.3224	-35.3874	0.391215	0.918645	BH
PITG_08514	Pi conserved hypothetical protein (PITG_08514)	-32.3703	-35.2915	0.391215	0.918645	BH
PITG_08734	Pi Chloride Channel (ClC) Family (200 kDa)	-32.3871	-35.2579	0.391215	0.918645	BH
PITG_08822	Pi conserved hypothetical protein (PITG_08822)	-32.3851	-35.2619	0.391215	0.918645	BH
PITG_09423	Pi conserved hypothetical protein (PITG_09423)	-32.3224	-35.3874	0.391215	0.918645	BH
PITG_09635	Pi orotidine 5'-phosphate decarboxylase	-32.3224	-35.3874	0.391215	0.918645	BH
PITG_10147	Pi cell division protease ftsH (2771 nt)	-32.3703	-35.2915	0.391215	0.918645	BH
PITG_11020	Pi conserved hypothetical protein (PITG_11020)	-32.3871	-35.2579	0.391215	0.918645	BH
PITG_11023	Pi conserved hypothetical protein (PITG_11023)	-32.3871	-35.2579	0.391215	0.918645	BH
PITG_12120	Pi NPL4-like protein (1332 nt)	-32.354	-35.3242	0.391215	0.918645	BH
PITG_12609	Pi Crinkler (CRN) family protein (15 kDa)	-32.3871	-35.2579	0.391215	0.918645	BH
PITG_13715	Pi transmembrane protein, putative	-32.354	-35.3242	0.391215	0.918645	BH
PITG_13966	Pi conserved hypothetical protein (PITG_13966)	-32.3511	-35.33	0.391215	0.918645	BH
PITG_14847	Pi conserved hypothetical protein (PITG_14847)	-32.3511	-35.33	0.391215	0.918645	BH
PITG_15329	Pi conserved hypothetical protein (PITG_15329)	-32.3871	-35.2579	0.391215	0.918645	BH

PITG_16042	Pi conserved hypothetical protein (	-32.3871	-35.2579	0.391215	0.918645	BH
PITG_16277	Pi conserved hypothetical protein (	-32.3031	-35.426	0.391215	0.918645	BH
PITG_16468	Pi conserved hypothetical protein (	-32.354	-35.3242	0.391215	0.918645	BH
PITG_16791	Pi conserved hypothetical protein (	-32.3871	-35.2579	0.391215	0.918645	BH
PITG_17345	Pi conserved hypothetical protein (	-32.3703	-35.2915	0.391215	0.918645	BH
PITG_17700	Pi conserved hypothetical protein (	-32.3224	-35.3874	0.391215	0.918645	BH
PITG_17834	Pi phospholipid hydroperoxide glut	-32.3031	-35.426	0.391215	0.918645	BH
PITG_18028	Pi conserved hypothetical protein (	-32.354	-35.3242	0.391215	0.918645	BH
PITG_18459	Pi conserved hypothetical protein (	-32.3703	-35.2915	0.391215	0.918645	BH
PITG_18891	Pi uracil-DNA glycosylase (939 nt)	-32.3703	-35.2915	0.391215	0.918645	BH
PITG_20313	Pi Cation Diffusion Facilitator (CDF)	-32.2768	-35.4785	0.391215	0.918645	BH
PITG_20629	Pi DNA-directed RNA polymerase II	-32.4024	-35.2272	0.391215	0.918645	BH
PITG_21334	Pi conserved hypothetical protein (	-32.3031	-35.426	0.391215	0.918645	BH
PITG_21502	Pi conserved hypothetical protein (	-32.3511	-35.33	0.391215	0.918645	BH
PITG_21994	Pi conserved hypothetical protein (	-32.3511	-35.33	0.391215	0.918645	BH
PITG_00411	Pi adaptin-like protein (762 nt)	-32.3876	-35.2568	0.392303	0.918645	BH
PITG_00458	Pi dihydrolipoyllysine-residue acety	-32.3023	-35.4275	0.392303	0.918645	BH
PITG_01229	Pi conserved hypothetical protein (	-32.3023	-35.4275	0.392303	0.918645	BH
PITG_01781	Pi heterogeneous nuclear ribonucle	-32.2922	-35.4477	0.392303	0.918645	BH
PITG_01847	Pi conserved hypothetical protein (	-32.2922	-35.4477	0.392303	0.918645	BH
PITG_02024	Pi conserved hypothetical protein (	-32.3023	-35.4275	0.392303	0.918645	BH
PITG_02244	Pi conserved hypothetical protein (	-32.3342	-35.3636	0.392303	0.918645	BH
PITG_02273	Pi conserved hypothetical protein (	-32.2872	-35.4577	0.392303	0.918645	BH
PITG_03314	Pi conserved hypothetical protein (	-32.3023	-35.4275	0.392303	0.918645	BH
PITG_03345	Pi peptidyl-prolyl cis-trans isomera	-32.2922	-35.4477	0.392303	0.918645	BH
PITG_03852	Pi Mitochondrial Protein Transloca	-32.2776	-35.477	0.392303	0.918645	BH
PITG_03887	Pi conserved hypothetical protein (	-32.3676	-35.297	0.392303	0.918645	BH
PITG_04941	Pi RNA polymerase II subunit A C-ter	-32.3845	-35.2631	0.392303	0.918645	BH
PITG_05376	Pi mitogen-activated protein kinase	-32.3071	-35.4178	0.392303	0.918645	BH
PITG_05411	Pi conserved hypothetical protein (	-32.2922	-35.4477	0.392303	0.918645	BH
PITG_06609	Pi conserved hypothetical protein (	-32.3676	-35.297	0.392303	0.918645	BH
PITG_07470	Pi conserved hypothetical protein (	-32.3071	-35.4178	0.392303	0.918645	BH
PITG_09504	Pi methionine aminopeptidase, put	-32.3876	-35.2568	0.392303	0.918645	BH
PITG_11108	Pi conserved hypothetical protein (	-32.2872	-35.4577	0.392303	0.918645	BH
PITG_11563	Pi conserved hypothetical protein (	-32.2922	-35.4477	0.392303	0.918645	BH
PITG_12563	Pi Mitochondrial Carrier (MC) Fami	-32.2922	-35.4477	0.392303	0.918645	BH
PITG_13015	Pi conserved hypothetical protein (	-32.2922	-35.4477	0.392303	0.918645	BH
PITG_13196	Pi conserved hypothetical protein (	-32.3342	-35.3636	0.392303	0.918645	BH
PITG_14573	Pi AP-3 complex subunit delta, put	-32.2776	-35.477	0.392303	0.918645	BH
PITG_15360	Pi conserved hypothetical protein (	-32.2922	-35.4477	0.392303	0.918645	BH
PITG_15998	Pi phospholipase A-2-activating pro	-32.2776	-35.477	0.392303	0.918645	BH
PITG_17597	Pi conserved hypothetical protein (	-32.2922	-35.4477	0.392303	0.918645	BH
PITG_17795	Pi hypothetical protein (1553 nt)	-32.3342	-35.3636	0.392303	0.918645	BH
PITG_19299	Pi conserved hypothetical protein (	-32.3071	-35.4178	0.392303	0.918645	BH
PITG_19449	Pi conserved hypothetical protein (	-32.2872	-35.4577	0.392303	0.918645	BH
PITG_20088	Pi Sulfate Permease (SulP) Family (	-32.2922	-35.4477	0.392303	0.918645	BH
PITG_14478	Pi NmrA-like family protein, putativ	-13.1257	-0.97637	0.392442	0.918645	BH

PITG_02594	Pi glutamate decarboxylase (1660 nt)	-11.6774	-1.05913	0.393243	0.918645	BH
PITG_00119	Pi hypothetical protein (1089 nt)	-32.371	-35.2901	0.393393	0.918645	BH
PITG_00232	Pi conserved hypothetical protein (1089 nt)	-32.3387	-35.3547	0.393393	0.918645	BH
PITG_00899	Pi prefoldin subunit 3, putative (78 nt)	-32.3231	-35.3859	0.393393	0.918645	BH
PITG_01592	Pi conserved hypothetical protein (1089 nt)	-32.3079	-35.4163	0.393393	0.918645	BH
PITG_02588	Pi conserved hypothetical protein (1089 nt)	-32.3504	-35.3314	0.393393	0.918645	BH
PITG_02813	Pi conserved hypothetical protein (1089 nt)	-32.371	-35.2901	0.393393	0.918645	BH
PITG_03044	Pi autophagy-related protein, putative (1089 nt)	-32.3547	-35.3228	0.393393	0.918645	BH
PITG_03601	Pi inosine triphosphate pyrophosphatase (1089 nt)	-32.3669	-35.2983	0.393393	0.918645	BH
PITG_03608	Pi serine/threonine-protein phosphatase (1089 nt)	-32.371	-35.2901	0.393393	0.918645	BH
PITG_04822	Pi inositol polyphosphate multikinase (1089 nt)	-32.371	-35.2901	0.393393	0.918645	BH
PITG_05504	Pi conserved hypothetical protein (1089 nt)	-32.3079	-35.4163	0.393393	0.918645	BH
PITG_05652	Pi conserved hypothetical protein (1089 nt)	-32.371	-35.2901	0.393393	0.918645	BH
PITG_05954	Pi conserved hypothetical protein (1089 nt)	-32.3547	-35.3228	0.393393	0.918645	BH
PITG_07011	Pi conserved hypothetical protein (1089 nt)	-32.3387	-35.3547	0.393393	0.918645	BH
PITG_08183	Pi conserved hypothetical protein (1089 nt)	-32.3547	-35.3228	0.393393	0.918645	BH
PITG_09221	Pi glutaredoxin, putative (722 nt)	-32.3547	-35.3228	0.393393	0.918645	BH
PITG_09475	Pi conserved hypothetical protein (1089 nt)	-32.4018	-35.2284	0.393393	0.918645	BH
PITG_09781	Pi conserved hypothetical protein (1089 nt)	-32.3231	-35.3859	0.393393	0.918645	BH
PITG_10487	Pi conserved hypothetical protein (1089 nt)	-32.3504	-35.3314	0.393393	0.918645	BH
PITG_10566	Pi hypothetical protein (296 nt)	-32.3387	-35.3547	0.393393	0.918645	BH
PITG_10837	Pi conserved hypothetical protein (1089 nt)	-32.4018	-35.2284	0.393393	0.918645	BH
PITG_11295	Pi alcohol dehydrogenase, putative (1089 nt)	-32.3669	-35.2983	0.393393	0.918645	BH
PITG_11782	Pi calcium-binding protein, putative (1089 nt)	-32.3079	-35.4163	0.393393	0.918645	BH
PITG_11805	Pi splicing factor, arginine/serine-rich 1 (1089 nt)	-32.4018	-35.2284	0.393393	0.918645	BH
PITG_12687	Pi conserved hypothetical protein (1089 nt)	-32.3079	-35.4163	0.393393	0.918645	BH
PITG_12913	Pi conserved hypothetical protein (1089 nt)	-32.3547	-35.3228	0.393393	0.918645	BH
PITG_13365	Pi Poly(U)-binding-splicing factor P1 (1089 nt)	-32.3547	-35.3228	0.393393	0.918645	BH
PITG_13504	Pi hypothetical protein (396 nt)	-32.3547	-35.3228	0.393393	0.918645	BH
PITG_14001	Pi mitogen-activated protein kinase (1089 nt)	-32.3547	-35.3228	0.393393	0.918645	BH
PITG_14181	Pi long-chain fatty acid transporter (1089 nt)	-32.3387	-35.3547	0.393393	0.918645	BH
PITG_14919	Pi transmembrane protein, putative (1089 nt)	-32.371	-35.2901	0.393393	0.918645	BH
PITG_14987	Pi conserved hypothetical protein (1089 nt)	-32.3547	-35.3228	0.393393	0.918645	BH
PITG_15249	Pi conserved hypothetical protein (1089 nt)	-32.3504	-35.3314	0.393393	0.918645	BH
PITG_15780	Pi radial spoke protein 11 (405 nt)	-32.3177	-35.3967	0.393393	0.918645	BH
PITG_15821	Pi conserved hypothetical protein (1089 nt)	-32.371	-35.2901	0.393393	0.918645	BH
PITG_16360	Pi lysosomal Pro-X carboxypeptidase (1089 nt)	-32.3387	-35.3547	0.393393	0.918645	BH
PITG_16733	Pi conserved hypothetical protein (1089 nt)	-32.3231	-35.3859	0.393393	0.918645	BH
PITG_17074	Pi 3-demethylubiquinone-9 3-methyltransferase (1089 nt)	-32.3547	-35.3228	0.393393	0.918645	BH
PITG_17557	Pi hypothetical protein (787 nt)	-32.3079	-35.4163	0.393393	0.918645	BH
PITG_18063	Pi bifunctional polynucleotide phosphorylase (1089 nt)	-32.371	-35.2901	0.393393	0.918645	BH
PITG_18393	Pi conserved hypothetical protein (1089 nt)	-32.3079	-35.4163	0.393393	0.918645	BH
PITG_18744	Pi amino acid/auxin permease-like transporter (1089 nt)	-32.3387	-35.3547	0.393393	0.918645	BH
PITG_19311	Pi conserved hypothetical protein (1089 nt)	-32.3547	-35.3228	0.393393	0.918645	BH
PITG_20086	Pi conserved hypothetical protein (1089 nt)	-32.3079	-35.4163	0.393393	0.918645	BH
PITG_22418	Pi conserved hypothetical protein (1089 nt)	-32.371	-35.2901	0.393393	0.918645	BH
PITG_11855	Pi C2 domain-containing protein, putative (1089 nt)	-11.2481	-1.26681	0.393838	0.918645	BH

PITG_00542	Pi mediator of RNA polymerase II t	-32.3335	-35.3652	0.394486	0.918645	BH
PITG_00947	Pi conserved hypothetical protein (	-32.293	-35.446	0.394486	0.918645	BH
PITG_02264	Pi protein kinase, putative (4828 nt)	-32.3883	-35.2555	0.394486	0.918645	BH
PITG_02433	Pi conserved hypothetical protein (	-32.2864	-35.4594	0.394486	0.918645	BH
PITG_03620	Pi histidinol-phosphate aminotrans	-32.3335	-35.3652	0.394486	0.918645	BH
PITG_04601	Pi phosphoadenosine phosphosulf	-32.3883	-35.2555	0.394486	0.918645	BH
PITG_04712	Pi conserved hypothetical protein (	-32.2784	-35.4753	0.394486	0.918645	BH
PITG_07145	Pi malonyl-CoA decarboxylase (MC	-32.3883	-35.2555	0.394486	0.918645	BH
PITG_09036	Pi conserved hypothetical protein (	-32.293	-35.446	0.394486	0.918645	BH
PITG_11556	Pi conserved hypothetical protein (	-32.3838	-35.2644	0.394486	0.918645	BH
PITG_12527	Pi conserved hypothetical protein (	-32.3883	-35.2555	0.394486	0.918645	BH
PITG_12914	Pi inositol polyphosphate 5-phosph	-32.3883	-35.2555	0.394486	0.918645	BH
PITG_14257	Pi conserved hypothetical protein (	-32.2784	-35.4753	0.394486	0.918645	BH
PITG_17262	Pi ethanolamine-phosphate cytidyl	-32.3883	-35.2555	0.394486	0.918645	BH
PITG_18519	Pi conserved hypothetical protein (	-32.3883	-35.2555	0.394486	0.918645	BH
PITG_19487	Pi conserved hypothetical protein (	-32.3838	-35.2644	0.394486	0.918645	BH
PITG_22625	Pi conserved hypothetical protein (	-32.3883	-35.2555	0.394486	0.918645	BH
PITG_00140	Pi chromodomain-helicase-DNA-bi	-32.3554	-35.3213	0.395582	0.918645	BH
PITG_01036	Pi phenylalanyl-tRNA synthetase al	-32.3395	-35.3531	0.395582	0.918645	BH
PITG_01718	Pi cryptochrome, putative (1734 nt)	-32.3554	-35.3213	0.395582	0.918645	BH
PITG_03467	Pi conserved hypothetical protein (	-32.3717	-35.2887	0.395582	0.918645	BH
PITG_03934	Pi protein kinase, putative (2694 nt)	-32.3554	-35.3213	0.395582	0.918645	BH
PITG_04104	Pi conserved hypothetical protein (	-32.3717	-35.2887	0.395582	0.918645	BH
PITG_04535	Pi nuclear LIM factor interactor-int	-32.3717	-35.2887	0.395582	0.918645	BH
PITG_08172	Pi conserved hypothetical protein (	-32.3395	-35.3531	0.395582	0.918645	BH
PITG_08175	Pi hypothetical protein (415 nt)	-32.3496	-35.333	0.395582	0.918645	BH
PITG_10838	Pi dolichyl-P-Man:Man(7)GlcNAc(2	-32.3395	-35.3531	0.395582	0.918645	BH
PITG_12343	Pi conserved hypothetical protein (	-32.4012	-35.2298	0.395582	0.918645	BH
PITG_13376	Pi conserved hypothetical protein (	-32.3717	-35.2887	0.395582	0.918645	BH
PITG_13434	Pi sel-1 family protein (1821 nt)	-32.3717	-35.2887	0.395582	0.918645	BH
PITG_13927	Pi conserved hypothetical protein (	-32.3395	-35.3531	0.395582	0.918645	BH
PITG_14588	Pi sporangia induced hypothetical	-32.3554	-35.3213	0.395582	0.918645	BH
PITG_15540	Pi conserved hypothetical protein (	-32.3717	-35.2887	0.395582	0.918645	BH
PITG_16720	Pi conserved hypothetical protein (	-32.3554	-35.3213	0.395582	0.918645	BH
PITG_19041	Pi protein kinase, putative (2401 nt)	-32.3717	-35.2887	0.395582	0.918645	BH
PITG_19109	Pi conserved hypothetical protein (	-32.3395	-35.3531	0.395582	0.918645	BH
PITG_20819	Pi conserved hypothetical protein (	-32.3395	-35.3531	0.395582	0.918645	BH
PITG_21023	Pi conserved hypothetical protein (	-32.3554	-35.3213	0.395582	0.918645	BH
PITG_01120	Pi conserved hypothetical protein (	-12.5437	-1.11091	0.39568	0.918645	BH
PITG_02785	Pi fructose-bisphosphate aldolase (	-12.559	-1.05772	0.396336	0.918645	BH
PITG_00337	Pi small mechanosensitive channel	-32.2939	-35.4443	0.396681	0.918645	BH
PITG_00577	Pi conserved hypothetical protein (	-32.2939	-35.4443	0.396681	0.918645	BH
PITG_00622	Pi vacuolar protein sorting-associat	-32.324	-35.3841	0.396681	0.918645	BH
PITG_02654	Pi serine hydrolase (FSH1)-like prot	-32.2854	-35.4612	0.396681	0.918645	BH
PITG_03364	Pi RNA polymerase II-associated fa	-32.3088	-35.4145	0.396681	0.918645	BH
PITG_03911	Pi thioredoxin-like protein (1317 nt)	-32.2939	-35.4443	0.396681	0.918645	BH
PITG_05366	Pi branchpoint-bridging protein, pu	-32.324	-35.3841	0.396681	0.918645	BH

PITG_05395	Pi conserved hypothetical protein (	-32.3831	-35.266	0.396681	0.918645	BH
PITG_05450	Pi conserved hypothetical protein (	-32.3326	-35.3669	0.396681	0.918645	BH
PITG_06663	Pi hypothetical protein (1215 nt)	-32.324	-35.3841	0.396681	0.918645	BH
PITG_07507	Pi Crinkler (CRN) family protein (56	-32.3326	-35.3669	0.396681	0.918645	BH
PITG_08189	Pi pre-mRNA-splicing factor, Crook	-32.2939	-35.4443	0.396681	0.918645	BH
PITG_09956	Pi pre-mRNA-processing factor, pu	-32.2939	-35.4443	0.396681	0.918645	BH
PITG_10138	Pi alkaline phytoceramidase (aPHC	-32.3088	-35.4145	0.396681	0.918645	BH
PITG_10952	Pi conserved hypothetical protein (	-32.2939	-35.4443	0.396681	0.918645	BH
PITG_11406	Pi conserved hypothetical protein (	-32.3088	-35.4145	0.396681	0.918645	BH
PITG_12348	Pi conserved hypothetical protein (	-32.324	-35.3841	0.396681	0.918645	BH
PITG_13654	Pi conserved hypothetical protein (	-32.2854	-35.4612	0.396681	0.918645	BH
PITG_13726	Pi Ca2 :Cation Antiporter (CaCA) Fa	-32.2939	-35.4443	0.396681	0.918645	BH
PITG_15996	Pi hypothetical protein (656 nt)	-32.3088	-35.4145	0.396681	0.918645	BH
PITG_19045	Pi conserved hypothetical protein (	-32.3088	-35.4145	0.396681	0.918645	BH
PITG_22477	Pi conserved hypothetical protein (	-32.3326	-35.3669	0.396681	0.918645	BH
PITG_00863	Pi DEAD/DEAH box RNA helicase, p	-32.3891	-35.2538	0.397783	0.918645	BH
PITG_01480	Pi CBL-interacting serine/threonine	-32.3891	-35.2538	0.397783	0.918645	BH
PITG_03824	Pi conserved hypothetical protein (	-32.3891	-35.2538	0.397783	0.918645	BH
PITG_04564	Pi conserved hypothetical protein (	-32.2794	-35.4733	0.397783	0.918645	BH
PITG_05331	Pi conserved hypothetical protein (	-32.3891	-35.2538	0.397783	0.918645	BH
PITG_05874	Pi conserved hypothetical protein (	-32.2794	-35.4733	0.397783	0.918645	BH
PITG_09920	Pi conserved hypothetical protein (	-32.3891	-35.2538	0.397783	0.918645	BH
PITG_18464	Pi hypothetical protein (1786 nt)	-32.3891	-35.2538	0.397783	0.918645	BH
PITG_20319	Pi glycoside hydrolase, putative (98	-32.2794	-35.4733	0.397783	0.918645	BH
PITG_21873	Pi conserved hypothetical protein (	-32.2794	-35.4733	0.397783	0.918645	BH
PITG_22353	Pi geranylgeranyl transferase type-	-32.2794	-35.4733	0.397783	0.918645	BH
PITG_03653	Pi protein phosphatase 2 (2358 nt)	-32.3725	-35.2871	0.397783	0.918645	BH
PITG_04175	Pi conserved hypothetical protein (	-32.3725	-35.2871	0.397783	0.918645	BH
PITG_17753	Pi NADP-dependent malic enzyme	-32.3725	-35.2871	0.397783	0.918645	BH
PITG_20260	Pi ADP-ribosylation factor family (4	-32.3725	-35.2871	0.397783	0.918645	BH
PITG_01839	Pi 4-coumarate-CoA ligase, putativ	-32.3404	-35.3512	0.398887	0.918645	BH
PITG_02553	Pi conserved hypothetical protein (	-32.3159	-35.4004	0.398887	0.918645	BH
PITG_04707	Pi conserved hypothetical protein (	-32.4003	-35.2315	0.398887	0.918645	BH
PITG_04959	Pi conserved hypothetical protein (	-32.3563	-35.3194	0.398887	0.918645	BH
PITG_06662	Pi conserved hypothetical protein (	-32.3563	-35.3194	0.398887	0.918645	BH
PITG_12260	Pi protein transporter Sec24 (3758	-32.3404	-35.3512	0.398887	0.918645	BH
PITG_13819	Pi conserved hypothetical protein (	-32.3563	-35.3194	0.398887	0.918645	BH
PITG_15247	Pi conserved hypothetical protein (	-32.3563	-35.3194	0.398887	0.918645	BH
PITG_15666	Pi conserved hypothetical protein (	-32.4003	-35.2315	0.398887	0.918645	BH
PITG_15955	Pi epoxide hydrolase, putative (137	-32.3563	-35.3194	0.398887	0.918645	BH
PITG_17673	Pi M96 mating-specific protein far	-32.3563	-35.3194	0.398887	0.918645	BH
PITG_17540	Pi crinkler (CRN) family protein, pu	-9.9924	-1.25443	0.399606	0.918645	BH
PITG_07056	Pi isocitrate dehydrogenase, mitoc	-11.4874	1.602774	0.399716	0.918645	BH
PITG_01006	Pi protein kinase, putative (1464 nt)	-32.2949	-35.4422	0.399994	0.918645	BH
PITG_03225	Pi conserved hypothetical protein (	-32.3098	-35.4125	0.399994	0.918645	BH
PITG_03737	Pi conserved hypothetical protein (	-32.325	-35.3821	0.399994	0.918645	BH
PITG_03846	Pi conserved hypothetical protein (	-32.3098	-35.4125	0.399994	0.918645	BH



PITG_05685	Pi transcription elongation factor S	-32.325	-35.3821	0.399994	0.918645	BH
PITG_08412	Pi hypothetical protein (476 nt)	-32.325	-35.3821	0.399994	0.918645	BH
PITG_08516	Pi alcohol dehydrogenase, putative	-32.2844	-35.4633	0.399994	0.918645	BH
PITG_12514	Pi bifunctional aspartokinase/homoc	-32.4181	-35.1959	0.399994	0.918645	BH
PITG_13979	Pi conserved hypothetical protein (	-32.2949	-35.4422	0.399994	0.918645	BH
PITG_14000	Pi conserved hypothetical protein (	-32.325	-35.3821	0.399994	0.918645	BH
PITG_14493	Pi conserved hypothetical protein (	-32.3098	-35.4125	0.399994	0.918645	BH
PITG_16211	Pi conserved hypothetical protein (	-32.325	-35.3821	0.399994	0.918645	BH
PITG_17348	Pi myosin-like protein (4233 nt)	-32.2949	-35.4422	0.399994	0.918645	BH
PITG_17728	Pi conserved hypothetical protein (	-32.4181	-35.1959	0.399994	0.918645	BH
PITG_18973	Pi conserved hypothetical protein (	-32.3098	-35.4125	0.399994	0.918645	BH
PITG_00203	Pi mitochondrial-processing peptid	-12.0236	1.569414	0.400159	0.918645	BH
PITG_11069	Pi villin-like protein (3045 nt)	-13.046	-1.20213	0.400476	0.918645	BH
PITG_00150	Pi conserved hypothetical protein (	-32.4071	-35.218	0.401105	0.918645	BH
PITG_00851	Pi conserved hypothetical protein (	-32.4071	-35.218	0.401105	0.918645	BH
PITG_01224	Pi conserved hypothetical protein (	-32.3477	-35.3367	0.401105	0.918645	BH
PITG_03609	Pi conserved hypothetical protein (	-32.4071	-35.218	0.401105	0.918645	BH
PITG_04560	Pi conserved hypothetical protein (	-32.2805	-35.4712	0.401105	0.918645	BH
PITG_05259	Pi DNA excision repair protein ERC	-32.4071	-35.218	0.401105	0.918645	BH
PITG_07828	Pi serine carboxypeptidase-like fan	-32.2805	-35.4712	0.401105	0.918645	BH
PITG_10061	Pi regulator of chromosome conde	-32.4071	-35.218	0.401105	0.918645	BH
PITG_10160	Pi NADPH-cytochrome P450 reduct	-32.4071	-35.218	0.401105	0.918645	BH
PITG_10635	Pi conserved hypothetical protein (	-32.4071	-35.218	0.401105	0.918645	BH
PITG_12156	Pi Annexin (Annexin) Family (1037	-32.2805	-35.4712	0.401105	0.918645	BH
PITG_13586	Pi pterin-4-alpha-carbinolamine de	-32.2805	-35.4712	0.401105	0.918645	BH
PITG_15951	Pi hypothetical protein (1263 nt)	-32.2805	-35.4712	0.401105	0.918645	BH
PITG_19044	Pi conserved hypothetical protein (	-32.4071	-35.218	0.401105	0.918645	BH
PITG_20037	Pi hypothetical protein (1299 nt)	-32.3477	-35.3367	0.401105	0.918645	BH
PITG_21396	Pi conserved hypothetical protein (	-32.4071	-35.218	0.401105	0.918645	BH
PITG_00682	Pi carbonic anhydrase, putative (11	-32.3736	-35.285	0.402218	0.918645	BH
PITG_00709	Pi conserved hypothetical protein (	-32.3736	-35.285	0.402218	0.918645	BH
PITG_01182	Pi conserved hypothetical protein (	-32.3902	-35.2518	0.402218	0.918645	BH
PITG_01617	Pi conserved hypothetical protein (	-32.3736	-35.285	0.402218	0.918645	BH
PITG_01947	Pi COPII coat assembly protein SEC	-32.3902	-35.2518	0.402218	0.918645	BH
PITG_02924	Pi conserved hypothetical protein (	-32.3736	-35.285	0.402218	0.918645	BH
PITG_06647	Pi conserved hypothetical protein (	-32.3902	-35.2518	0.402218	0.918645	BH
PITG_06869	Pi conserved hypothetical protein (	-32.3902	-35.2518	0.402218	0.918645	BH
PITG_07030	Pi conserved hypothetical protein (	-32.3902	-35.2518	0.402218	0.918645	BH
PITG_10461	Pi conserved hypothetical protein (	-32.3902	-35.2518	0.402218	0.918645	BH
PITG_12840	Pi conserved hypothetical protein (	-32.3902	-35.2518	0.402218	0.918645	BH
PITG_13666	Pi conserved hypothetical protein (	-32.3902	-35.2518	0.402218	0.918645	BH
PITG_13939	Pi conserved hypothetical protein (	-32.3736	-35.285	0.402218	0.918645	BH
PITG_17484	Pi Drug/Metabolite Transporter (D	-32.3902	-35.2518	0.402218	0.918645	BH
PITG_19735	Pi conserved hypothetical protein (	-32.3902	-35.2518	0.402218	0.918645	BH
PITG_21727	Pi conserved hypothetical protein (	-32.3902	-35.2518	0.402218	0.918645	BH
PITG_22108	Pi conserved hypothetical protein (	-32.3902	-35.2518	0.402218	0.918645	BH
PITG_03177	Pi conserved hypothetical protein (	-13.8573	-1.36924	0.403319	0.918645	BH

PITG_01578	Pi conserved hypothetical protein (	-32.3261	-35.38	0.403333	0.918645	BH
PITG_01991	Pi conserved hypothetical protein (	-32.3416	-35.3489	0.403333	0.918645	BH
PITG_02114	Pi aspartyl aminopeptidase, putativ	-32.3416	-35.3489	0.403333	0.918645	BH
PITG_03348	Pi RNA polymerase-associated prof	-32.3416	-35.3489	0.403333	0.918645	BH
PITG_03740	Pi P-type ATPase (P-ATPase) Super	-32.3416	-35.3489	0.403333	0.918645	BH
PITG_04506	Pi protein kinase (1653 nt)	-32.3574	-35.3172	0.403333	0.918645	BH
PITG_05227	Pi conserved hypothetical protein (	-32.3574	-35.3172	0.403333	0.918645	BH
PITG_07991	Pi glutamate-cysteine ligase cataly	-32.3261	-35.38	0.403333	0.918645	BH
PITG_10416	Pi nuclear pore glycoprotein, putat	-32.3574	-35.3172	0.403333	0.918645	BH
PITG_10447	Pi mitogen-activated protein kinas	-32.3574	-35.3172	0.403333	0.918645	BH
PITG_11980	Pi conserved hypothetical protein (	-32.3574	-35.3172	0.403333	0.918645	BH
PITG_13257	Pi peroxisomal hydratase-dehydro	-32.3261	-35.38	0.403333	0.918645	BH
PITG_13644	Pi conserved hypothetical protein (	-32.3574	-35.3172	0.403333	0.918645	BH
PITG_14697	Pi cystathionine beta-synthase (18	-32.3261	-35.38	0.403333	0.918645	BH
PITG_15228	Pi transmembrane protein, putativ	-32.3574	-35.3172	0.403333	0.918645	BH
PITG_16210	Pi ubulin-tyrosine ligase-like protei	-32.3574	-35.3172	0.403333	0.918645	BH
PITG_16864	Pi conserved hypothetical protein (	-32.3261	-35.38	0.403333	0.918645	BH
PITG_18302	Pi conserved hypothetical protein (	-32.3574	-35.3172	0.403333	0.918645	BH
PITG_18364	Pi inositol oxygenase (885 nt)	-32.3261	-35.38	0.403333	0.918645	BH
PITG_18882	Pi transcription initiation factor TFI	-32.3574	-35.3172	0.403333	0.918645	BH
PITG_19064	Pi pre-mRNA-splicing factor ISY1 (8	-32.3416	-35.3489	0.403333	0.918645	BH
PITG_01555	Pi conserved hypothetical protein (	-32.2962	-35.4398	0.404452	0.919186	BH
PITG_02750	Pi NAD kinase, putative (1884 nt)	-32.2962	-35.4398	0.404452	0.919186	BH
PITG_04671	Pi conserved hypothetical protein (	-32.417	-35.1981	0.404452	0.919186	BH
PITG_05988	Pi hypothetical protein (452 nt)	-32.417	-35.1981	0.404452	0.919186	BH
PITG_07041	Pi conserved hypothetical protein (	-32.417	-35.1981	0.404452	0.919186	BH
PITG_12761	Pi secreted RxLR effector peptide,	-32.3304	-35.3714	0.404452	0.919186	BH
PITG_13997	Pi serine/threonine protein kinase	-32.311	-35.4101	0.404452	0.919186	BH
PITG_16922	Pi conserved hypothetical protein (	-32.2962	-35.4398	0.404452	0.919186	BH
PITG_20041	Pi conserved hypothetical protein (	-32.2962	-35.4398	0.404452	0.919186	BH
PITG_21848	Pi conserved hypothetical protein (	-32.417	-35.1981	0.404452	0.919186	BH
PITG_07974	Pi conserved hypothetical protein (	-13.8752	-1.33464	0.404907	0.919819	BH
PITG_10827	Pi nuclease, putative (2879 nt)	-13.8831	-1.3189	0.404907	0.919819	BH
PITG_02340	Pi conserved hypothetical protein (	-32.3808	-35.2705	0.405574	0.91988	BH
PITG_07545	Pi Mitochondrial Carrier (MC) Fami	-32.2981	-35.4359	0.405574	0.91988	BH
PITG_07646	Pi conserved hypothetical protein (	-32.2817	-35.4687	0.405574	0.91988	BH
PITG_11724	Pi conserved hypothetical protein (	-32.2817	-35.4687	0.405574	0.91988	BH
PITG_13492	Pi conserved hypothetical protein (	-32.2817	-35.4687	0.405574	0.91988	BH
PITG_14456	Pi glutamyl-tRNA synthetase, putat	-13.8819	-1.32243	0.406495	0.91988	BH
PITG_03424	Pi GTPase, putative (1554 nt)	-11.6668	-1.11139	0.40665	0.91988	BH
PITG_03097	Pi conserved hypothetical protein (	-32.3981	-35.2358	0.406699	0.91988	BH
PITG_04547	Pi conserved hypothetical protein (	-32.3913	-35.2495	0.406699	0.91988	BH
PITG_08545	Pi Crinkler (CRN) family protein, ps	-32.3135	-35.4052	0.406699	0.91988	BH
PITG_11650	Pi conserved hypothetical protein (	-32.4083	-35.2155	0.406699	0.91988	BH
PITG_13745	Pi vacuolar protein sorting-associat	-32.4083	-35.2155	0.406699	0.91988	BH
PITG_14657	Pi tubulin-specific chaperone E, pu	-32.3913	-35.2495	0.406699	0.91988	BH
PITG_15916	Pi hypothetical protein (1789 nt)	-32.3135	-35.4052	0.406699	0.91988	BH

PITG_17948	Pi conserved hypothetical protein (	-32.3913	-35.2495	0.406699	0.91988	BH
PITG_19056	Pi Cation Diffusion Facilitator (CDF)	-32.3913	-35.2495	0.406699	0.91988	BH
PITG_19844	Pi conserved hypothetical protein (	-32.3913	-35.2495	0.406699	0.91988	BH
PITG_20745	Pi Intraflagellar Transport Protein 5	-32.3135	-35.4052	0.406699	0.91988	BH
PITG_21187	Pi myoferlin-like protein (6294 nt)	-32.4083	-35.2155	0.406699	0.91988	BH
PITG_21190	Pi secreted RxLR effector peptide,	-32.4083	-35.2155	0.406699	0.91988	BH
PITG_01188	Pi aspartate aminotransferase, put	-32.3587	-35.3148	0.407826	0.920633	BH
PITG_02637	Pi hypothetical protein (2078 nt)	-32.3587	-35.3148	0.407826	0.920633	BH
PITG_03386	Pi conserved hypothetical protein (	-32.3628	-35.3066	0.407826	0.920633	BH
PITG_03603	Pi conserved hypothetical protein (	-32.3749	-35.2824	0.407826	0.920633	BH
PITG_10301	Pi homoserine O-acetyltransferase	-32.3749	-35.2824	0.407826	0.920633	BH
PITG_14284	Pi conserved hypothetical protein (	-32.3749	-35.2824	0.407826	0.920633	BH
PITG_20174	Pi carbohydrate-binding protein, pi	-32.3749	-35.2824	0.407826	0.920633	BH
PITG_21699	Pi conserved hypothetical protein (	-32.3749	-35.2824	0.407826	0.920633	BH
PITG_21918	Pi amino acid/auxin permease-like	-32.3749	-35.2824	0.407826	0.920633	BH
PITG_12228	Pi NADH-cytochrome b5 reductase	-13.9057	-1.27615	0.408083	0.920815	BH
PITG_12684	Pi CSH (456 nt)	-13.8997	-1.28803	0.408083	0.920815	BH
PITG_17517	Pi crinkler (CRN) family protein, pu	-9.87411	-1.25181	0.408252	0.920996	BH
PITG_01640	Pi conserved hypothetical protein (	-32.3275	-35.3772	0.408957	0.921554	BH
PITG_08031	Pi conserved hypothetical protein (	-32.3429	-35.3462	0.408957	0.921554	BH
PITG_15629	Pi conserved hypothetical protein (	-32.3429	-35.3462	0.408957	0.921554	BH
PITG_16745	Pi conserved hypothetical protein (	-32.3429	-35.3462	0.408957	0.921554	BH
PITG_22163	Pi L-aminoadipate-semialdehyde d	-32.3275	-35.3772	0.408957	0.921554	BH
PITG_11755	Pi putative GPI-anchored serine-th	-10.8862	-1.13294	0.409264	0.921554	BH
PITG_20719	Pi conserved hypothetical protein (	-13.8869	-1.3148	0.409671	0.921554	BH
PITG_01605	Pi serine palmitoyltransferase, put	-32.2976	-35.437	0.41009	0.921554	BH
PITG_01927	Pi conserved hypothetical protein (	-32.3124	-35.4073	0.41009	0.921554	BH
PITG_02761	Pi oxidoreductase, putative (1697 r	-32.2976	-35.437	0.41009	0.921554	BH
PITG_09261	Pi Equilibrative Nucleoside Transpc	-32.2976	-35.437	0.41009	0.921554	BH
PITG_12157	Pi conserved hypothetical protein (	-32.283	-35.466	0.41009	0.921554	BH
PITG_12162	Pi RNA-binding protein, putative (2	-32.3795	-35.2731	0.41009	0.921554	BH
PITG_13634	Pi conserved hypothetical protein (	-32.2976	-35.437	0.41009	0.921554	BH
PITG_14923	Pi conserved hypothetical protein (	-32.2976	-35.437	0.41009	0.921554	BH
PITG_16923	Pi hypothetical protein (415 nt)	-32.3795	-35.2731	0.41009	0.921554	BH
PITG_17109	Pi CCAAT-binding transcription fact	-32.2976	-35.437	0.41009	0.921554	BH
PITG_17554	Pi myb-like DNA-binding protein, p	-32.3124	-35.4073	0.41009	0.921554	BH
PITG_09605	Pi conserved hypothetical protein (	-32.3449	-35.3422	0.411227	0.923384	BH
PITG_18047	Pi hypothetical protein (543 nt)	-32.3449	-35.3422	0.411227	0.923384	BH
PITG_19105	Pi conserved hypothetical protein (	-32.3449	-35.3422	0.411227	0.923384	BH
PITG_05902	Pi Major Facilitator Superfamily (M	-13.8981	-1.29379	0.411259	0.923384	BH
PITG_10311	Pi myb-like DNA-binding domain, p	-13.0079	-1.22883	0.4117	0.924176	BH
PITG_00175	Pi conserved hypothetical protein (	-32.3119	-35.4083	0.412366	0.924851	BH
PITG_15857	Pi conserved hypothetical protein (	-32.3119	-35.4083	0.412366	0.924851	BH
PITG_15926	Pi conserved hypothetical protein (	-32.3119	-35.4083	0.412366	0.924851	BH
PITG_19656	Pi GMP synthase [glutamine-hydro	-15.2029	3.153467	0.412366	0.924851	BH
PITG_00764	Pi V-type proton ATPase subunit H,	-13.872	-1.34722	0.412847	0.924851	BH
PITG_15873	Pi NADH-cytochrome b5 reductase	-13.8833	-1.3245	0.412847	0.924851	BH

PITG_06415	Pi heat shock protein 90 (2300 nt)	-8.7812	1.197144	0.413262	0.924851	BH
PITG_03415	Pi cysteine protease family C01A, p	-32.4098	-35.2125	0.413509	0.924851	BH
PITG_15962	Pi conserved hypothetical protein (	-32.4098	-35.2125	0.413509	0.924851	BH
PITG_19065	Pi pyridine nucleotide-disulphide o	-32.4098	-35.2125	0.413509	0.924851	BH
PITG_19658	Pi ATP-binding Cassette (ABC) Supe	-32.4098	-35.2125	0.413509	0.924851	BH
PITG_20818	Pi conserved hypothetical protein (	-32.3965	-35.2391	0.413509	0.924851	BH
PITG_01963	Pi conserved hypothetical protein (	-32.3929	-35.2464	0.413509	0.924851	BH
PITG_06486	Pi hypothetical protein (821 nt)	-32.3929	-35.2464	0.413509	0.924851	BH
PITG_07168	Pi Major Facilitator Superfamily (M	-32.3929	-35.2464	0.413509	0.924851	BH
PITG_10556	Pi conserved hypothetical protein (	-32.3929	-35.2464	0.413509	0.924851	BH
PITG_20217	Pi hypothetical protein (878 nt)	-32.3929	-35.2464	0.413509	0.924851	BH
PITG_01964	Pi conserved hypothetical protein (	-13.8674	-1.35755	0.414434	0.925627	BH
PITG_06739	Pi conserved hypothetical protein (	-13.8612	-1.36999	0.414434	0.925627	BH
PITG_03575	Pi anoctamin-like protein (2582 nt)	-32.3602	-35.3116	0.414654	0.925627	BH
PITG_06379	Pi serine/threonine protein kinase	-32.3602	-35.3116	0.414654	0.925627	BH
PITG_10343	Pi conserved hypothetical protein (	-32.3764	-35.2793	0.414654	0.925627	BH
PITG_13391	Pi trans-acting enoyl reductase, pu	-32.3764	-35.2793	0.414654	0.925627	BH
PITG_14230	Pi calcium-transporting ATPase sar	-32.3764	-35.2793	0.414654	0.925627	BH
PITG_14415	Pi conserved hypothetical protein (	-32.3602	-35.3116	0.414654	0.925627	BH
PITG_22313	Pi delta-1-pyrroline-5-carboxylate :	-32.3611	-35.3099	0.414654	0.925627	BH
PITG_00852	Pi conserved hypothetical protein (	-32.3445	-35.343	0.415803	0.926406	BH
PITG_01977	Pi conserved hypothetical protein (	-32.4141	-35.2039	0.415803	0.926406	BH
PITG_03942	Pi plectin-like protein (4600 nt)	-32.4141	-35.2039	0.415803	0.926406	BH
PITG_05068	Pi secreted RxLR effector peptide,	-15.2613	3.264372	0.415803	0.926406	BH
PITG_20773	Pi conserved hypothetical protein (	-32.3445	-35.343	0.415803	0.926406	BH
PITG_21127	Pi adenine phosphoribosyltransfer	-32.3445	-35.343	0.415803	0.926406	BH
PITG_21314	Pi conserved hypothetical protein (	-32.3273	-35.3775	0.415803	0.926406	BH
PITG_22381	Pi methylenetetrahydrofolate redu	-32.3445	-35.343	0.415803	0.926406	BH
PITG_22413	Pi hypothetical protein (1130 nt)	-32.4141	-35.2039	0.415803	0.926406	BH
PITG_00205	Pi conserved hypothetical protein (	-13.8855	-1.32268	0.416022	0.926496	BH
PITG_11046	Pi creatine kinase B-type (2280 nt)	-13.8741	-1.34542	0.416022	0.926496	BH
PITG_04470	Pi Argonaute1 (AGO1) (2784 nt)	-12.5312	-1.1611	0.416285	0.926884	BH
PITG_01418	Pi choline/Carnitine O-acyltransfer	-32.2992	-35.4337	0.416955	0.927256	BH
PITG_15921	Pi hypothetical protein (663 nt)	-32.314	-35.404	0.416955	0.927256	BH
PITG_17867	Pi conserved hypothetical protein (	-32.3778	-35.2765	0.416955	0.927256	BH
PITG_19623	Pi polygalacturonase, putative (118	-32.314	-35.404	0.416955	0.927256	BH
PITG_19842	Pi conserved hypothetical protein (	-32.314	-35.404	0.416955	0.927256	BH
PITG_04681	Pi serine/threonine-protein phosph	-11.7005	-1.01563	0.416985	0.927256	BH
PITG_13084	Pi conserved hypothetical protein (	-32.2848	-35.4625	0.418109	0.92936	BH
PITG_13402	Pi cystathionine beta-lyase (2009 n	-32.2848	-35.4625	0.418109	0.92936	BH
PITG_11929	Pi dihydrolipoyllysine-residue acety	-13.3112	1.737532	0.419225	0.931536	BH
PITG_21056	Pi conserved hypothetical protein (	-32.3101	-35.4118	0.419267	0.931536	BH
PITG_17929	Pi signal peptidase complex catalyt	-13.056	-1.11186	0.420562	0.934215	BH
PITG_22933	Pi secreted RxLR effector peptide,	-13.9026	-1.29208	0.420784	0.934507	BH
PITG_05980	Pi secreted RxLR effector peptide,	-12.5052	1.786625	0.421115	0.935045	BH
PITG_06454	Pi adenosylmethionine-8-amino-7-	-32.4116	-35.2089	0.421592	0.935506	BH
PITG_07167	Pi conserved hypothetical protein (	-32.4116	-35.2089	0.421592	0.935506	BH

PITG_21523	Pi cytochrome P450, putative (196	-32.4116	-35.2089	0.421592	0.935506	BH
PITG_13370	Pi conserved hypothetical protein (	-11.0304	-1.07561	0.422311	0.936501	BH
PITG_03252	Pi alpha-soluble NSF attachment pi	-13.0535	-1.11889	0.422314	0.936501	BH
PITG_08444	Pi conserved hypothetical protein (	-13.0529	-1.11994	0.422314	0.936501	BH
PITG_02526	Pi dynein heavy chain (14109 nt)	-32.3783	-35.2756	0.422759	0.936501	BH
PITG_08028	Pi cohesin subunit, putative (4711	-32.3783	-35.2756	0.422759	0.936501	BH
PITG_10751	Pi conserved hypothetical protein (	-32.3783	-35.2756	0.422759	0.936501	BH
PITG_13171	Pi conserved hypothetical protein (	-32.3948	-35.2425	0.422759	0.936501	BH
PITG_17931	Pi conserved hypothetical protein (	-32.3948	-35.2425	0.422759	0.936501	BH
PITG_17034	Pi Annexin (Annexin) Family (987 n	-9.93382	-1.2724	0.422854	0.936512	BH
PITG_06873	Pi aspartyl-tRNA synthetase, putati	-32.3159	-35.4003	0.425103	0.941094	BH
PITG_16464	Pi Sulfate Permease (SulP) Family (	-32.3159	-35.4003	0.425103	0.941094	BH
PITG_13271	Pi conserved hypothetical protein (	-10.3858	-1.19158	0.425539	0.941672	BH
PITG_01447	Pi serine protease family S10, puta	-13.8905	-1.32005	0.425545	0.941672	BH
PITG_01004	Pi hypothetical protein (405 nt)	-10.7707	-1.1697	0.425868	0.942188	BH
PITG_07703	Pi conserved hypothetical protein (	-32.3012	-35.4297	0.42628	0.942298	BH
PITG_08140	Pi hypothetical protein (1142 nt)	-32.2867	-35.4587	0.42628	0.942298	BH
PITG_08531	Pi conserved hypothetical protein (	-32.3012	-35.4297	0.42628	0.942298	BH
PITG_10217	Pi glucan 1,3-beta-glucosidase, put	-32.3756	-35.2809	0.42628	0.942298	BH
PITG_01082	Pi ran-specific GTPase-activating pi	-11.5821	1.516485	0.426743	0.943121	BH
PITG_04698	Pi arginine biosynthesis bifunctiona	-13.0408	-1.14985	0.42756	0.944728	BH
PITG_11471	Pi Amino Acid-Polyamine-Organoc	-32.4135	-35.2052	0.428643	0.946888	BH
PITG_06615	Pi H - or Na -translocating F-type, v	-13.8863	-1.3311	0.42872	0.946888	BH
PITG_05526	Pi alpha-amylase, putative (2124 n	-32.364	-35.3042	0.429829	0.948736	BH
PITG_11899	Pi hypothetical protein (331 nt)	-32.4102	-35.2117	0.429829	0.948736	BH
PITG_21312	Pi conserved hypothetical protein (	-32.364	-35.3042	0.429829	0.948736	BH
PITG_07529	Pi conserved hypothetical protein (	-13.1463	-0.94254	0.430445	0.949893	BH
PITG_06325	Pi conserved hypothetical protein (	-10.1871	-1.12316	0.430971	0.950557	BH
PITG_07698	Pi conserved hypothetical protein (	-32.3483	-35.3355	0.431019	0.950557	BH
PITG_10121	Pi conserved hypothetical protein (	-32.3328	-35.3665	0.431019	0.950557	BH
PITG_16915	Pi elongation factor Tu (560 nt)	-12.6601	1.585004	0.431643	0.951732	BH
PITG_17406	Pi enoyl-CoA hydratase, mitochonc	-9.97956	-1.15697	0.432047	0.952382	BH
PITG_01074	Pi conserved hypothetical protein (	-32.3178	-35.3965	0.432212	0.952382	BH
PITG_07422	Pi conserved hypothetical protein (	-32.3178	-35.3965	0.432212	0.952382	BH
PITG_12881	Pi dolichyl-diphosphooligosacchari	-11.9421	-0.99551	0.432592	0.953019	BH
PITG_22995	Pi protease inhibitor Epi5 (267 nt)	-13.8712	-1.3651	0.433481	0.954776	BH
PITG_02092	Pi electron transfer flavoprotein-uf	-13.8731	-1.36529	0.438244	0.965061	BH
PITG_09538	Pi mitochondrial carnitine/acylcarr	-13.0423	-1.16201	0.441484	0.971993	BH
PITG_10218	Pi glucan 1,3-beta-glucosidase, put	-11.5894	1.514785	0.442595	0.974233	BH
PITG_17013	Pi conserved hypothetical protein (	-11.9993	-0.88114	0.44575	0.980971	BH
PITG_05171	Pi 60S ribosomal protein L44 (673 i	-9.07155	-1.26076	0.446028	0.981374	BH
PITG_10219	Pi V-type proton ATPase subunit E,	-12.2865	-0.86697	0.449445	0.988685	BH
PITG_14195	Pi enolase (1485 nt)	-12.2154	1.535119	0.454868		1 BH
PITG_09488	Pi small nuclear ribonucleoprotein	-13.9424	-1.20033	0.455932		1 BH
PITG_09576	Pi orotidine 5'-phosphate decarbo	-13.9057	-1.27355	0.455932		1 BH
PITG_17384	Pi conserved hypothetical protein (	-13.9223	-1.24039	0.455932		1 BH
PITG_19963	Pi conserved hypothetical protein (	-13.9277	-1.22964	0.455932		1 BH

PITG_11474	Pi conserved hypothetical protein (	-13.9246	-1.23593	0.455932	1 BH
PITG_19880	Pi hypothetical protein (285 nt)	-12.6335	-0.90215	0.458047	1 BH
PITG_02256	Pi aspartate aminotransferase, mit	-11.0688	-1.0086	0.45824	1 BH
PITG_13178	Pi elongation of very long chain fat	-13.533	1.599063	0.458891	1 BH
PITG_01982	Pi conserved hypothetical protein (	-13.9171	-1.25444	0.460448	1 BH
PITG_06995	Pi 60S ribosomal protein L4 (1327 r	-10.1992	1.362948	0.461224	1 BH
PITG_09596	Pi nucleoside diphosphate kinase B	-10.7855	1.359172	0.461402	1 BH
PITG_06015	Pi glucokinase, putative (1401 nt)	-13.8883	-1.35506	0.462071	1 BH
PITG_01300	Pi DNA topoisomerase 2 DNA gyrase	-13.9253	-1.24048	0.463456	1 BH
PITG_06619	Pi ADP-ribosylation factor family (1	-12.0137	-0.85738	0.46487	1 BH
PITG_02115	Pi propionyl-CoA carboxylase beta	-13.9275	-1.23855	0.466461	1 BH
PITG_10822	Pi Mitochondrial Protein Transloca	-13.9093	-1.27504	0.466461	1 BH
PITG_02527	Pi histone H2A variant 1 (654 nt)	-13.1922	-0.85848	0.471193	1 BH
PITG_17527	Pi crinkler (CRN) family protein, pu	-9.85501	-1.06997	0.473898	1 BH
PITG_03392	Pi Rab1 family GTPase (PiYpt1) (92	-10.4414	-1.07616	0.476193	1 BH
PITG_03347	Pi ribonucleoside-diphosphate redi	-13.1037	1.432704	0.477246	1 BH
PITG_00592	Pi hypothetical protein (698 nt)	-11.4116	-0.87114	0.477714	1 BH
PITG_00921	Pi phospholipase D, Pi-PLD-like-1 (:	-11.5293	-1.05007	0.478113	1 BH
PITG_20116	Pi 50S ribosomal protein L15 (847 r	-13.9531	-1.19745	0.478459	1 BH
PITG_01922	Pi 40S ribosomal protein SA (852 n	-10.2731	1.276908	0.478851	1 BH
PITG_12562	Pi elicitin-like protein (809 nt)	-8.74198	1.346004	0.478887	1 BH
PITG_16871	Pi conserved hypothetical protein (	-13.0109	1.574259	0.479744	1 BH
PITG_21059	Pi conserved hypothetical protein (	-13.5607	1.617292	0.482766	1 BH
PITG_14936	Pi ATP synthase subunit gamma, pi	-11.0047	1.330567	0.484227	1 BH
PITG_19802	Pi dihydrolipoyl dehydrogenase, pu	-11.8283	1.359896	0.48459	1 BH
PITG_16005	Pi methylmalonate-semialdehyde c	-10.4064	-0.97036	0.485032	1 BH
PITG_11966	Pi chaperonin CPN60-1, mitochonc	-10.7511	1.290363	0.485538	1 BH
PITG_15045	Pi trans-2-enoyl-CoA reductase, pu	-12.4126	1.415427	0.486201	1 BH
PITG_23111	Pi crinkler (CRN) family protein, pu	-9.66185	-1.06755	0.490224	1 BH
PITG_10185	Pi conserved hypothetical protein (	-11.7905	-0.83292	0.491183	1 BH
PITG_10369	Pi Mitochondrial Protein Transloca	-13.592	1.664928	0.49234	1 BH
PITG_15526	Pi ATP synthase subunit O, putative	-11.082	1.27345	0.494118	1 BH
PITG_12520	Pi conserved hypothetical protein (	-13.2197	-0.78834	0.496015	1 BH
PITG_15850	Pi glycine dehydrogenase, mitocho	-13.0846	1.695951	0.496583	1 BH
PITG_03900	Pi conserved hypothetical protein (	-13.2177	-0.79418	0.497596	1 BH
PITG_07328	Pi manganese superoxide dismutase	-9.69989	1.275562	0.498533	1 BH
PITG_06771	Pi 40S ribosomal protein S24, puta	-9.10276	1.259419	0.500353	1 BH
PITG_09526	Pi transcription factor BTF3-like pro	-8.95529	-1.20213	0.50324	1 BH
PITG_03599	Pi alanine aminotransferase 2 (150	-13.2031	-0.83279	0.505474	1 BH
PITG_15407	Pi ribosomal protein L34 (647 nt)	-8.94523	-1.09051	0.506682	1 BH
PITG_15235	Pi secreted RxLR effector peptide,	-13.8999	-1.3752	0.508341	1 BH
PITG_14179	Pi glutamine synthetase (841 nt)	-10.7603	1.290731	0.508521	1 BH
PITG_03477	Pi 60S ribosomal protein L7a-2 (130	-9.33189	1.207154	0.509543	1 BH
PITG_14639	Pi aminotransferase, putative (194	-14.6214	2.003718	0.509713	1 BH
PITG_13600	Pi eukaryotic translation initiation	-12.6674	-0.87037	0.510797	1 BH
PITG_09553	Pi conserved hypothetical protein (	-11.4568	1.263846	0.511388	1 BH
PITG_00708	Pi thioredoxin, putative (984 nt)	-11.1202	-0.92567	0.511695	1 BH

PITG_15611	Pi protein kinase (900 nt)	-14.6586	2.074431	0.512018	1 BH
PITG_11775	Pi hypothetical protein (1765 nt)	-12.6718	-0.86381	0.512463	1 BH
PITG_01094	Pi 26S proteasome non-ATPase reg	-12.6733	-0.82477	0.513117	1 BH
PITG_17537	Pi crinkler (CRN) family protein, ps	-9.01378	-1.06344	0.513356	1 BH
PITG_15723	Pi 60S ribosomal protein L14, putat	-8.82474	-1.12336	0.51354	1 BH
PITG_08082	Pi cytochrome b5 (444 nt)	-12.7875	1.515009	0.513729	1 BH
PITG_20904	Pi small nuclear ribonucleoprotein	-13.9833	-1.11844	0.515255	1 BH
PITG_05501	Pi Non-selective Cation Channel-2	-13.9724	-1.1415	0.516642	1 BH
PITG_05638	Pi GTPase, putative (1931 nt)	-13.9778	-1.13068	0.516642	1 BH
PITG_20799	Pi conserved hypothetical protein	-13.9844	-1.11748	0.516642	1 BH
PITG_01187	Pi dolichol kinase, putative (1034 n	-14.7552	2.259899	0.516646	1 BH
PITG_08941	Pi hypothetical protein (1080 nt)	-11.7773	-0.85944	0.518447	1 BH
PITG_00536	Pi pre-mRNA-splicing factor CWC2!	-32.4775	-35.0772	0.52068	1 BH
PITG_00797	Pi WD domain-containing protein	-32.4583	-35.1155	0.52068	1 BH
PITG_00830	Pi conserved hypothetical protein	-32.4393	-35.1535	0.52068	1 BH
PITG_00858	Pi serine/threonine protein kinase	-32.4396	-35.1528	0.52068	1 BH
PITG_00989	Pi histone demethylase, putative (3	-32.4038	-35.2245	0.52068	1 BH
PITG_01189	Pi hypothetical protein (2548 nt)	-32.4038	-35.2245	0.52068	1 BH
PITG_02027	Pi conserved hypothetical protein	-32.4038	-35.2245	0.52068	1 BH
PITG_02079	Pi conserved hypothetical protein	-32.4775	-35.0772	0.52068	1 BH
PITG_02152	Pi hypothetical protein (2048 nt)	-32.4393	-35.1535	0.52068	1 BH
PITG_02371	Pi conserved hypothetical protein	-32.4215	-35.1891	0.52068	1 BH
PITG_02491	Pi conserved hypothetical protein	-32.4775	-35.0772	0.52068	1 BH
PITG_03169	Pi GPN-loop GTPase, putative (391	-32.4393	-35.1535	0.52068	1 BH
PITG_03318	Pi conserved hypothetical protein	-32.4396	-35.1528	0.52068	1 BH
PITG_03396	Pi conserved hypothetical protein	-32.4396	-35.1528	0.52068	1 BH
PITG_04666	Pi conserved hypothetical protein	-32.4211	-35.1899	0.52068	1 BH
PITG_04861	Pi conserved hypothetical protein	-32.4775	-35.0772	0.52068	1 BH
PITG_05622	Pi conserved hypothetical protein	-32.4038	-35.2245	0.52068	1 BH
PITG_05659	Pi conserved hypothetical protein	-32.4038	-35.2245	0.52068	1 BH
PITG_05717	Pi ATP-binding Cassette (ABC) Supe	-32.4396	-35.1528	0.52068	1 BH
PITG_05866	Pi conserved hypothetical protein	-32.4583	-35.1155	0.52068	1 BH
PITG_05961	Pi conserved hypothetical protein	-32.4211	-35.1899	0.52068	1 BH
PITG_06001	Pi ATP-binding Cassette (ABC) supe	-32.4775	-35.0772	0.52068	1 BH
PITG_07795	Pi myosin-like protein (2346 nt)	-32.4583	-35.1155	0.52068	1 BH
PITG_08420	Pi metalloprotease family M76, pu	-32.4775	-35.0772	0.52068	1 BH
PITG_08712	Pi conserved hypothetical protein	-32.4775	-35.0772	0.52068	1 BH
PITG_09954	Pi patatin-like phospholipase, puta	-32.4396	-35.1528	0.52068	1 BH
PITG_10065	Pi conserved hypothetical protein	-32.4396	-35.1528	0.52068	1 BH
PITG_12128	Pi F-box protein, putative (1121 nt)	-32.4775	-35.0772	0.52068	1 BH
PITG_12183	Pi double stranded RNA binding, pu	-32.4396	-35.1528	0.52068	1 BH
PITG_14114	Pi conserved hypothetical protein	-32.4775	-35.0772	0.52068	1 BH
PITG_14808	Pi ferrochelatase, mitochondrial pr	-32.4583	-35.1155	0.52068	1 BH
PITG_14925	Pi conserved hypothetical protein	-32.4038	-35.2245	0.52068	1 BH
PITG_14944	Pi conserved hypothetical protein	-32.4211	-35.1899	0.52068	1 BH
PITG_16318	Pi transmembrane protein, putativ	-32.4038	-35.2245	0.52068	1 BH
PITG_16492	Pi conserved hypothetical protein	-32.4775	-35.0772	0.52068	1 BH

PITG_17030	Pi conserved hypothetical protein (	-32.4396	-35.1528	0.52068	1 BH
PITG_17035	Pi conserved hypothetical protein (	-32.4396	-35.1528	0.52068	1 BH
PITG_17047	Pi ATP-binding Cassette (ABC) Supe	-32.4775	-35.0772	0.52068	1 BH
PITG_17159	Pi conserved hypothetical protein (	-32.4211	-35.1899	0.52068	1 BH
PITG_17437	Pi conserved hypothetical protein (	-32.4396	-35.1528	0.52068	1 BH
PITG_17602	Pi conserved hypothetical protein (	-32.4038	-35.2245	0.52068	1 BH
PITG_17701	Pi conserved hypothetical protein (	-32.4038	-35.2245	0.52068	1 BH
PITG_18884	Pi conserved hypothetical protein (	-32.4396	-35.1528	0.52068	1 BH
PITG_19158	Pi conserved hypothetical protein (	-32.4396	-35.1528	0.52068	1 BH
PITG_20903	Pi exosome complex exonuclease f	-32.4211	-35.1899	0.52068	1 BH
PITG_21213	Pi conserved hypothetical protein (	-32.4775	-35.0772	0.52068	1 BH
PITG_21627	Pi conserved hypothetical protein (	-32.4396	-35.1528	0.52068	1 BH
PITG_04337	Pi conserved hypothetical protein (	-14.0043	-1.0812	0.520797	1 BH
PITG_05666	Pi small nuclear ribonucleoprotein	-13.9753	-1.13926	0.520797	1 BH
PITG_16614	Pi Crinkler (CRN) family protein (12	-14.0027	-1.08453	0.520797	1 BH
PITG_09706	Pi proteasome subunit beta, putati	-11.6292	-0.77056	0.5214	1 BH
PITG_07340	Pi conserved hypothetical protein (	-9.45055	-0.98596	0.521454	1 BH
PITG_00193	Pi conserved hypothetical protein (	-32.4389	-35.1542	0.521572	1 BH
PITG_00350	Pi COP9 signalosome complex subu	-32.5176	-34.9969	0.521572	1 BH
PITG_01046	Pi beta-lactamase-like protein (109	-32.4577	-35.1167	0.521572	1 BH
PITG_01457	Pi conserved hypothetical protein (	-32.5176	-34.9969	0.521572	1 BH
PITG_01648	Pi conserved hypothetical protein (	-32.4389	-35.1542	0.521572	1 BH
PITG_02268	Pi conserved hypothetical protein (	-32.4975	-35.0371	0.521572	1 BH
PITG_02613	Pi conserved hypothetical protein (	-32.5176	-34.9969	0.521572	1 BH
PITG_03932	Pi conserved hypothetical protein (	-32.4389	-35.1542	0.521572	1 BH
PITG_04676	Pi conserved hypothetical protein (	-32.4773	-35.0776	0.521572	1 BH
PITG_04876	Pi hypothetical protein (381 nt)	-32.5176	-34.9969	0.521572	1 BH
PITG_05731	Pi origin recognition complex subu	-32.4773	-35.0776	0.521572	1 BH
PITG_05772	Pi conserved hypothetical protein (	-32.4975	-35.0371	0.521572	1 BH
PITG_06984	Pi stromal cell-derived factor 2 pre	-32.5176	-34.9969	0.521572	1 BH
PITG_07239	Pi tartrate-resistant acid phosphat	-32.4389	-35.1542	0.521572	1 BH
PITG_09566	Pi inositol monophosphatase, puta	-32.5176	-34.9969	0.521572	1 BH
PITG_09603	Pi conserved hypothetical protein (	-32.5176	-34.9969	0.521572	1 BH
PITG_10196	Pi conserved hypothetical protein (	-32.4975	-35.0371	0.521572	1 BH
PITG_11733	Pi pantothenate kinase, putative (1	-32.5176	-34.9969	0.521572	1 BH
PITG_12121	Pi uridine kinase (984 nt)	-32.4773	-35.0776	0.521572	1 BH
PITG_12446	Pi conserved hypothetical protein (	-32.5176	-34.9969	0.521572	1 BH
PITG_12576	Pi conserved hypothetical protein (	-32.4975	-35.0371	0.521572	1 BH
PITG_12855	Pi conserved hypothetical protein (	-32.4773	-35.0776	0.521572	1 BH
PITG_13567	Pi endo-1,3(4)-beta-glucanase, put	-32.4773	-35.0776	0.521572	1 BH
PITG_15065	Pi conserved hypothetical protein (	-32.5176	-34.9969	0.521572	1 BH
PITG_15541	Pi conserved hypothetical protein (	-32.4975	-35.0371	0.521572	1 BH
PITG_16681	Pi conserved hypothetical protein (	-32.4577	-35.1167	0.521572	1 BH
PITG_17959	Pi conserved hypothetical protein (	-32.5176	-34.9969	0.521572	1 BH
PITG_18024	Pi conserved hypothetical protein (	-32.4773	-35.0776	0.521572	1 BH
PITG_18251	Pi peptide chain release factor 1 (1	-32.4389	-35.1542	0.521572	1 BH
PITG_18874	Pi conserved hypothetical protein (	-32.5176	-34.9969	0.521572	1 BH



PITG_19036	Pi serine/threonine-protein phosphatase	-32.5176	-34.9969	0.521572	1 BH
PITG_19774	Pi mannose-6-phosphate isomerase	-32.4577	-35.1167	0.521572	1 BH
PITG_20533	Pi conserved hypothetical protein (1211 nt)	-32.4389	-35.1542	0.521572	1 BH
PITG_20568	Pi hypothetical protein (1211 nt)	-32.4773	-35.0776	0.521572	1 BH
PITG_21328	Pi hypothetical protein (1028 nt)	-32.4971	-35.038	0.521572	1 BH
PITG_22646	Pi conserved hypothetical protein (1211 nt)	-32.5176	-34.9969	0.521572	1 BH
PITG_00049	Pi conserved hypothetical protein (1211 nt)	-32.44	-35.1521	0.521572	1 BH
PITG_00215	Pi calmodulin-binding transcription factor	-32.4043	-35.2236	0.521572	1 BH
PITG_00283	Pi conserved hypothetical protein (1211 nt)	-32.5176	-34.997	0.521572	1 BH
PITG_00523	Pi conserved hypothetical protein (1211 nt)	-32.4219	-35.1883	0.521572	1 BH
PITG_00573	Pi tyrosine-protein phosphatase, putative	-32.44	-35.1521	0.521572	1 BH
PITG_01065	Pi folylpolyglutamate synthase, putative	-32.458	-35.1161	0.521572	1 BH
PITG_01313	Pi conserved hypothetical protein (1211 nt)	-32.4974	-35.0374	0.521572	1 BH
PITG_01683	Pi conserved hypothetical protein (1211 nt)	-32.4777	-35.0767	0.521572	1 BH
PITG_01743	Pi conserved hypothetical protein (1211 nt)	-32.5176	-34.997	0.521572	1 BH
PITG_01772	Pi conserved hypothetical protein (1211 nt)	-32.4974	-35.0374	0.521572	1 BH
PITG_01920	Pi ubiquitin-specific protease, putative	-32.4972	-35.0377	0.521572	1 BH
PITG_02348	Pi conserved hypothetical protein (1211 nt)	-32.44	-35.1521	0.521572	1 BH
PITG_02372	Pi conserved hypothetical protein (1211 nt)	-32.4219	-35.1883	0.521572	1 BH
PITG_02398	Pi conserved hypothetical protein (1211 nt)	-32.5176	-34.997	0.521572	1 BH
PITG_02770	Pi calcineurin-like phosphoesterase	-32.4972	-35.0377	0.521572	1 BH
PITG_03119	Pi conserved hypothetical protein (1211 nt)	-32.4586	-35.1149	0.521572	1 BH
PITG_03354	Pi hypothetical protein (367 nt)	-32.44	-35.1521	0.521572	1 BH
PITG_03429	Pi conserved hypothetical protein (1211 nt)	-32.4974	-35.0374	0.521572	1 BH
PITG_03531	Pi conserved hypothetical protein (1211 nt)	-32.4974	-35.0374	0.521572	1 BH
PITG_03585	Pi hypothetical protein (459 nt)	-32.5177	-34.9968	0.521572	1 BH
PITG_03790	Pi conserved hypothetical protein (1211 nt)	-32.4974	-35.0374	0.521572	1 BH
PITG_03872	Pi kinesin-like protein (2811 nt)	-32.44	-35.1521	0.521572	1 BH
PITG_04114	Pi small cellulose binding protein, putative	-32.4777	-35.0767	0.521572	1 BH
PITG_04174	Pi hypothetical protein (696 nt)	-32.4972	-35.0377	0.521572	1 BH
PITG_04497	Pi conserved hypothetical protein (1211 nt)	-32.4043	-35.2236	0.521572	1 BH
PITG_04723	Pi hypothetical protein (610 nt)	-32.4974	-35.0374	0.521572	1 BH
PITG_04909	Pi conserved hypothetical protein (1211 nt)	-32.458	-35.1161	0.521572	1 BH
PITG_05116	Pi conserved hypothetical protein (1211 nt)	-32.5177	-34.9968	0.521572	1 BH
PITG_05623	Pi conserved hypothetical protein (1211 nt)	-32.5177	-34.9968	0.521572	1 BH
PITG_05679	Pi replication protein A 70 kDa DNA-binding subunit	-32.4219	-35.1883	0.521572	1 BH
PITG_05732	Pi hypothetical protein (619 nt)	-32.4586	-35.1149	0.521572	1 BH
PITG_05817	Pi aspartyl/Asparaginyl beta-hydroxylase	-32.4219	-35.1883	0.521572	1 BH
PITG_05955	Pi serine protease family S09X, putative	-32.4219	-35.1883	0.521572	1 BH
PITG_06012	Pi conserved hypothetical protein (1211 nt)	-32.4586	-35.1149	0.521572	1 BH
PITG_06101	Pi conserved hypothetical protein (1211 nt)	-32.5177	-34.9968	0.521572	1 BH
PITG_06754	Pi conserved hypothetical protein (1211 nt)	-32.4777	-35.0767	0.521572	1 BH
PITG_06802	Pi conserved hypothetical protein (1211 nt)	-32.44	-35.1521	0.521572	1 BH
PITG_06844	Pi hypothetical protein (1403 nt)	-32.44	-35.1521	0.521572	1 BH
PITG_06917	Pi Phosphatidylinositol-3-phosphatase	-32.4974	-35.0374	0.521572	1 BH
PITG_07210	Pi protein kinase (2083 nt)	-32.4972	-35.0377	0.521572	1 BH
PITG_07310	Pi Putative beta-1,4-galactosyltransferase	-32.4972	-35.0377	0.521572	1 BH

PITG_07426	Pi conserved hypothetical protein (	-32.4972	-35.0377	0.521572	1 BH
PITG_07473	Pi EF hand containing protein, puta	-32.4219	-35.1883	0.521572	1 BH
PITG_08324	Pi conserved hypothetical protein (	-32.458	-35.1161	0.521572	1 BH
PITG_08540	Pi conserved hypothetical protein (	-32.4972	-35.0377	0.521572	1 BH
PITG_08675	Pi conserved hypothetical protein (	-32.4043	-35.2236	0.521572	1 BH
PITG_09287	Pi sporangia induced hypothetical	-32.4219	-35.1883	0.521572	1 BH
PITG_09444	Pi conserved hypothetical protein (	-32.4972	-35.0377	0.521572	1 BH
PITG_09723	Pi conserved hypothetical protein (	-32.44	-35.1521	0.521572	1 BH
PITG_09800	Pi conserved hypothetical protein (	-32.4586	-35.1149	0.521572	1 BH
PITG_10134	Pi signal peptide peptidase-like, as	-32.4207	-35.1907	0.521572	1 BH
PITG_10214	Pi conserved hypothetical protein (	-32.4207	-35.1907	0.521572	1 BH
PITG_10533	Pi conserved hypothetical protein (	-32.4777	-35.0767	0.521572	1 BH
PITG_10645	Pi conserved hypothetical protein (	-32.4043	-35.2236	0.521572	1 BH
PITG_10648	Pi conserved hypothetical protein (	-32.4586	-35.1149	0.521572	1 BH
PITG_11424	Pi conserved hypothetical protein (	-32.44	-35.1521	0.521572	1 BH
PITG_11604	Pi hypothetical protein (679 nt)	-32.458	-35.1161	0.521572	1 BH
PITG_11804	Pi conserved hypothetical protein (	-32.5176	-34.997	0.521572	1 BH
PITG_11888	Pi conserved hypothetical protein (	-32.4972	-35.0377	0.521572	1 BH
PITG_12196	Pi conserved hypothetical protein (	-32.4777	-35.0767	0.521572	1 BH
PITG_12463	Pi cleavage induced conserved hyp	-32.4777	-35.0767	0.521572	1 BH
PITG_12494	Pi transmembrane protein, putativ	-32.44	-35.1521	0.521572	1 BH
PITG_12677	Pi conserved hypothetical protein (	-32.5177	-34.9968	0.521572	1 BH
PITG_12821	Pi conserved hypothetical protein (	-32.4974	-35.0374	0.521572	1 BH
PITG_13114	Pi elicitin-like protein (1288 nt)	-32.4219	-35.1883	0.521572	1 BH
PITG_13185	Pi conserved hypothetical protein (	-32.44	-35.1521	0.521572	1 BH
PITG_13607	Pi translation initiation factor eIF-2	-32.4043	-35.2236	0.521572	1 BH
PITG_14770	Pi conserved hypothetical protein (	-32.4219	-35.1883	0.521572	1 BH
PITG_15067	Pi conserved hypothetical protein (	-32.4586	-35.1149	0.521572	1 BH
PITG_15191	Pi conserved hypothetical protein (	-32.4586	-35.1149	0.521572	1 BH
PITG_15696	Pi TFIIF basal transcription factor c	-32.5177	-34.9968	0.521572	1 BH
PITG_16669	Pi transcription factor IIIB, putative	-32.5176	-34.997	0.521572	1 BH
PITG_17000	Pi hypothetical protein (288 nt)	-32.4043	-35.2236	0.521572	1 BH
PITG_17004	Pi conserved hypothetical protein (	-32.44	-35.1521	0.521572	1 BH
PITG_17168	Pi conserved hypothetical protein (	-32.4043	-35.2236	0.521572	1 BH
PITG_17201	Pi GTP-binding protein, putative (1	-32.4777	-35.0767	0.521572	1 BH
PITG_17209	Pi conserved hypothetical protein (	-32.458	-35.1161	0.521572	1 BH
PITG_17312	Pi SUMO-activating enzyme (SAE),	-32.4207	-35.1907	0.521572	1 BH
PITG_17572	Pi protein kinase (614 nt)	-32.4586	-35.1149	0.521572	1 BH
PITG_17736	Pi conserved hypothetical protein (	-32.5177	-34.9968	0.521572	1 BH
PITG_17790	Pi 5-aminolevulinic synthase, put	-32.4586	-35.1149	0.521572	1 BH
PITG_17966	Pi conserved hypothetical protein (	-32.4972	-35.0377	0.521572	1 BH
PITG_18534	Pi trans-1,2-dihydrobenzene-1,2-di	-32.5176	-34.997	0.521572	1 BH
PITG_18656	Pi conserved hypothetical protein (	-32.5177	-34.9968	0.521572	1 BH
PITG_19005	Pi conserved hypothetical protein (	-32.4972	-35.0377	0.521572	1 BH
PITG_19113	Pi conserved hypothetical protein (	-32.4207	-35.1907	0.521572	1 BH
PITG_19450	Pi cell division protein kinase 2 (10	-32.4777	-35.0767	0.521572	1 BH
PITG_19456	Pi protein kinase, putative (2099 nt)	-32.4043	-35.2236	0.521572	1 BH

PITG_20045	Pi hypothetical protein (793 nt)	-32.4974	-35.0374	0.521572	1 BH
PITG_20434	Pi hypothetical protein (587 nt)	-32.4043	-35.2236	0.521572	1 BH
PITG_20608	Pi conserved hypothetical protein (	-32.4586	-35.1149	0.521572	1 BH
PITG_21277	Pi conserved hypothetical protein (	-32.4219	-35.1883	0.521572	1 BH
PITG_21316	Pi protein phosphatase methyleste	-32.44	-35.1521	0.521572	1 BH
PITG_22383	Pi glycoside hydrolase, putative (14	-32.4043	-35.2236	0.521572	1 BH
PITG_22527	Pi conserved hypothetical protein (	-32.4972	-35.0377	0.521572	1 BH
PITG_01253	Pi aldehyde dehydrogenase, mitoc	-11.6635	1.328552	0.522119	1 BH
PITG_00492	Pi cytochrome c peroxidase, mitoc	-12.0602	-0.79998	0.522231	1 BH
PITG_01076	Pi ATPase AFG2 protein (2272 nt)	-32.4202	-35.1917	0.522465	1 BH
PITG_05202	Pi voltage-gated potassium channe	-32.4202	-35.1917	0.522465	1 BH
PITG_08352	Pi conserved hypothetical protein (	-32.4202	-35.1917	0.522465	1 BH
PITG_08421	Pi peroxisomal multifunctional enz	-32.4202	-35.1917	0.522465	1 BH
PITG_13342	Pi conserved hypothetical protein (	-32.4202	-35.1917	0.522465	1 BH
PITG_18008	Pi conserved hypothetical protein (	-32.4202	-35.1917	0.522465	1 BH
PITG_00012	Pi conserved hypothetical protein (	-32.477	-35.0782	0.522465	1 BH
PITG_01360	Pi conserved hypothetical protein (	-32.4048	-35.2225	0.522465	1 BH
PITG_01719	Pi conserved hypothetical protein (	-32.4224	-35.1874	0.522465	1 BH
PITG_02196	Pi conserved hypothetical protein (	-32.4404	-35.1513	0.522465	1 BH
PITG_02323	Pi hypothetical protein (603 nt)	-32.4969	-35.0384	0.522465	1 BH
PITG_02432	Pi dolichyl-P-Man:Man(5)GlcNAc(2	-32.478	-35.0762	0.522465	1 BH
PITG_02791	Pi conserved hypothetical protein (	-32.478	-35.0762	0.522465	1 BH
PITG_02810	Pi cell division cycle protein 16 (25'	-32.4224	-35.1874	0.522465	1 BH
PITG_03404	Pi conserved hypothetical protein (	-32.478	-35.0762	0.522465	1 BH
PITG_03563	Pi conserved hypothetical protein (	-32.4589	-35.1143	0.522465	1 BH
PITG_03696	Pi conserved hypothetical protein (	-32.4404	-35.1513	0.522465	1 BH
PITG_03766	Pi conserved hypothetical protein (	-32.477	-35.0782	0.522465	1 BH
PITG_03782	Pi conserved hypothetical protein (	-32.4404	-35.1513	0.522465	1 BH
PITG_03898	Pi serine protease family S01B, put	-32.4385	-35.1551	0.522465	1 BH
PITG_05559	Pi conserved hypothetical protein (	-32.5175	-34.9972	0.522465	1 BH
PITG_06038	Pi conserved hypothetical protein (	-32.5175	-34.9972	0.522465	1 BH
PITG_06484	Pi conserved hypothetical protein (	-32.477	-35.0782	0.522465	1 BH
PITG_06538	Pi ATP-binding Cassette (ABC) Sup	-32.4404	-35.1513	0.522465	1 BH
PITG_06896	Pi proline iminopeptidase (1192 nt	-32.4224	-35.1874	0.522465	1 BH
PITG_07201	Pi UDP-glucose:glycoprotein glucos	-32.4224	-35.1874	0.522465	1 BH
PITG_07417	Pi conserved hypothetical protein (	-32.5175	-34.9972	0.522465	1 BH
PITG_07447	Pi conserved hypothetical protein (	-32.4224	-35.1874	0.522465	1 BH
PITG_07697	Pi conserved hypothetical protein (	-32.4224	-35.1874	0.522465	1 BH
PITG_07829	Pi exosome complex exonuclease f	-32.4589	-35.1143	0.522465	1 BH
PITG_07851	Pi protein kinase (1421 nt)	-32.4589	-35.1143	0.522465	1 BH
PITG_07898	Pi sulfatase-like protein (2445 nt)	-32.4589	-35.1143	0.522465	1 BH
PITG_08104	Pi conserved hypothetical protein (	-32.4589	-35.1143	0.522465	1 BH
PITG_08184	Pi phosphatidylinositide phosphata	-32.4224	-35.1874	0.522465	1 BH
PITG_09815	Pi anthranilate synthase componer	-32.4589	-35.1143	0.522465	1 BH
PITG_10532	Pi conserved hypothetical protein (	-32.4385	-35.1551	0.522465	1 BH
PITG_11022	Pi hypothetical protein (769 nt)	-32.4224	-35.1874	0.522465	1 BH
PITG_11790	Pi conserved hypothetical protein (	-32.477	-35.0782	0.522465	1 BH

PITG_11822	Pi conserved hypothetical protein (	-32.4404	-35.1513	0.522465	1 BH
PITG_11914	Pi acetyltransferase (GNAT) family	-32.4589	-35.1143	0.522465	1 BH
PITG_12159	Pi Annexin (Annexin) Family (1310	-32.4224	-35.1874	0.522465	1 BH
PITG_12234	Pi phosphatidic acid phosphatase (	-32.4224	-35.1874	0.522465	1 BH
PITG_12521	Pi vacuolar protein sorting-associat	-32.4589	-35.1143	0.522465	1 BH
PITG_12663	Pi conserved hypothetical protein (	-32.4048	-35.2225	0.522465	1 BH
PITG_12834	Pi conserved hypothetical protein (	-32.477	-35.0782	0.522465	1 BH
PITG_12835	Pi conserved hypothetical protein (	-32.478	-35.0762	0.522465	1 BH
PITG_13103	Pi fimbrin-like protein (2695 nt)	-32.5175	-34.9972	0.522465	1 BH
PITG_14078	Pi conserved hypothetical protein (	-32.4224	-35.1874	0.522465	1 BH
PITG_14174	Pi conserved hypothetical protein (	-32.4404	-35.1513	0.522465	1 BH
PITG_14898	Pi conserved hypothetical protein (	-32.478	-35.0762	0.522465	1 BH
PITG_16024	Pi riboflavin synthase subunit alpha	-32.4048	-35.2225	0.522465	1 BH
PITG_16841	Pi conserved hypothetical protein (	-32.4224	-35.1874	0.522465	1 BH
PITG_17568	Pi conserved hypothetical protein (	-32.4404	-35.1513	0.522465	1 BH
PITG_19037	Pi chromatin structure-remodeling	-32.4224	-35.1874	0.522465	1 BH
PITG_19229	Pi conserved hypothetical protein (	-32.5175	-34.9972	0.522465	1 BH
PITG_20502	Pi histone-lysine N-methyltransfera	-32.478	-35.0762	0.522465	1 BH
PITG_20742	Pi conserved hypothetical protein (	-32.4224	-35.1874	0.522465	1 BH
PITG_01127	Pi conserved hypothetical protein (	-32.4783	-35.0756	0.523361	1 BH
PITG_01251	Pi conserved hypothetical protein (	-32.4593	-35.1135	0.523361	1 BH
PITG_01840	Pi conserved hypothetical protein (	-32.4573	-35.1175	0.523361	1 BH
PITG_02127	Pi conserved hypothetical protein (	-32.4978	-35.0366	0.523361	1 BH
PITG_02259	Pi hsp70-like protein (2266 nt)	-32.5179	-34.9964	0.523361	1 BH
PITG_02624	Pi aspartyl protease family A01B, p	-32.4593	-35.1135	0.523361	1 BH
PITG_02731	Pi conserved hypothetical protein (	-32.4593	-35.1135	0.523361	1 BH
PITG_03155	Pi secreted RxLR effector peptide,	-32.4978	-35.0366	0.523361	1 BH
PITG_03261	Pi conserved hypothetical protein (	-32.5179	-34.9964	0.523361	1 BH
PITG_03505	Pi conserved hypothetical protein (	-32.4783	-35.0756	0.523361	1 BH
PITG_03672	Pi RIO kinase (1579 nt)	-32.4978	-35.0366	0.523361	1 BH
PITG_03768	Pi 50S ribosomal protein L4 (923 nt)	-32.4197	-35.1927	0.523361	1 BH
PITG_05461	Pi mitotic spindle assembly checkp	-32.4978	-35.0366	0.523361	1 BH
PITG_05506	Pi conserved hypothetical protein (	-32.5179	-34.9964	0.523361	1 BH
PITG_05557	Pi Drug/Metabolite Transporter (D	-32.4573	-35.1175	0.523361	1 BH
PITG_06231	Pi anaphase-promoting complex su	-32.4593	-35.1135	0.523361	1 BH
PITG_06545	Pi exonuclease 1, putative (9349 nt)	-32.5173	-34.9975	0.523361	1 BH
PITG_06610	Pi tRNA nucleotidyltransferase, put	-32.4197	-35.1927	0.523361	1 BH
PITG_06867	Pi conserved hypothetical protein (	-32.4573	-35.1175	0.523361	1 BH
PITG_07775	Pi splicing factor 3B subunit, putati	-32.4978	-35.0366	0.523361	1 BH
PITG_07810	Pi hypothetical protein (798 nt)	-32.4978	-35.0366	0.523361	1 BH
PITG_08751	Pi protein phosphatase 2C, putativ	-32.5179	-34.9964	0.523361	1 BH
PITG_08883	Pi conserved hypothetical protein (	-32.4573	-35.1175	0.523361	1 BH
PITG_09243	Pi rRNA methyltransferase, putativ	-32.4783	-35.0756	0.523361	1 BH
PITG_09599	Pi 2OG-Fe(II) oxygenase superfamil	-32.5173	-34.9975	0.523361	1 BH
PITG_09712	Pi DNA-directed RNA polymerase I,	-32.4573	-35.1175	0.523361	1 BH
PITG_10430	Pi peroxisomal acyl-coenzyme A ox	-32.4978	-35.0366	0.523361	1 BH
PITG_10650	Pi hypothetical protein (548 nt)	-32.5179	-34.9964	0.523361	1 BH

PITG_10983	Pi conserved hypothetical protein (	-32.5179	-34.9964	0.523361	1 BH
PITG_11799	Pi conserved hypothetical protein (	-32.4978	-35.0366	0.523361	1 BH
PITG_11806	Pi vacuolar protein sorting-associat	-32.4978	-35.0366	0.523361	1 BH
PITG_11887	Pi conserved hypothetical protein (	-32.4197	-35.1927	0.523361	1 BH
PITG_13302	Pi calcineurin-like phosphoesterase	-32.5179	-34.9964	0.523361	1 BH
PITG_13431	Pi WD domain-containing protein,	-32.4783	-35.0756	0.523361	1 BH
PITG_13461	Pi sporangia induced deflagellation	-32.4978	-35.0366	0.523361	1 BH
PITG_14561	Pi Chloride Channel (ClC) Family (2)	-32.4978	-35.0366	0.523361	1 BH
PITG_14916	Pi conserved hypothetical protein (	-32.4197	-35.1927	0.523361	1 BH
PITG_16067	Pi conserved hypothetical protein (	-32.4783	-35.0756	0.523361	1 BH
PITG_16555	Pi GTP-binding protein, putative (1	-32.4593	-35.1135	0.523361	1 BH
PITG_16893	Pi hypothetical protein (1418 nt)	-32.5179	-34.9964	0.523361	1 BH
PITG_17006	Pi hypothetical protein (617 nt)	-32.4978	-35.0366	0.523361	1 BH
PITG_17301	Pi conserved hypothetical protein (	-32.4783	-35.0756	0.523361	1 BH
PITG_17325	Pi lipase, putative (1586 nt)	-32.5173	-34.9975	0.523361	1 BH
PITG_17560	Pi conserved hypothetical protein (	-32.4593	-35.1135	0.523361	1 BH
PITG_17779	Pi conserved hypothetical protein (	-32.4783	-35.0756	0.523361	1 BH
PITG_19532	Pi cleavage and polyadenylation sp	-32.4783	-35.0756	0.523361	1 BH
PITG_20240	Pi aspartyl-tRNA synthetase, putati	-32.4978	-35.0366	0.523361	1 BH
PITG_21170	Pi conserved hypothetical protein (	-32.4197	-35.1927	0.523361	1 BH
PITG_22040	Pi transmembrane protein, putativ	-32.4978	-35.0366	0.523361	1 BH
PITG_22404	Pi conserved hypothetical protein (	-32.4783	-35.0756	0.523361	1 BH
PITG_22557	Pi amino acid/auxin permease-like	-32.4783	-35.0756	0.523361	1 BH
PITG_15903	Pi phosphoethanolamine N-methyl	-14.6867	2.111307	0.523631	1 BH
PITG_00442	Pi cytochrome c/c1 heme lyase, pu	-32.4409	-35.1503	0.524259	1 BH
PITG_00655	Pi conserved hypothetical protein (	-32.4766	-35.079	0.524259	1 BH
PITG_00723	Pi conserved hypothetical protein (	-32.438	-35.1561	0.524259	1 BH
PITG_01379	Pi conserved hypothetical protein (	-32.4054	-35.2213	0.524259	1 BH
PITG_01953	Pi serine/threonine-protein phosph	-32.4054	-35.2213	0.524259	1 BH
PITG_02288	Pi conserved hypothetical protein (	-32.4229	-35.1863	0.524259	1 BH
PITG_02349	Pi conserved hypothetical protein (	-32.4409	-35.1503	0.524259	1 BH
PITG_02478	Pi DEAD/DEAH box RNA helicase, p	-32.5384	-34.9554	0.524259	1 BH
PITG_02486	Pi conserved hypothetical protein (	-32.4409	-35.1503	0.524259	1 BH
PITG_02623	Pi aspartyl protease family A01B, p	-32.4409	-35.1503	0.524259	1 BH
PITG_02723	Pi conserved hypothetical protein (	-32.5384	-34.9554	0.524259	1 BH
PITG_02756	Pi conserved hypothetical protein (	-32.4965	-35.0391	0.524259	1 BH
PITG_02757	Pi pyruvate kinase (2280 nt)	-32.5384	-34.9554	0.524259	1 BH
PITG_02909	Pi carbohydrate-binding protein, pi	-32.4409	-35.1503	0.524259	1 BH
PITG_03163	Pi conserved hypothetical protein (	-32.4054	-35.2213	0.524259	1 BH
PITG_03287	Pi conserved hypothetical protein (	-32.4766	-35.079	0.524259	1 BH
PITG_03409	Pi serine protease family S10, puta	-32.4229	-35.1863	0.524259	1 BH
PITG_03752	Pi conserved hypothetical protein (	-32.4766	-35.079	0.524259	1 BH
PITG_03839	Pi conserved hypothetical protein (	-32.4766	-35.079	0.524259	1 BH
PITG_03925	Pi hypothetical protein (699 nt)	-32.4766	-35.079	0.524259	1 BH
PITG_04577	Pi conserved hypothetical protein (	-32.4965	-35.0391	0.524259	1 BH
PITG_06267	Pi cysteine synthase, putative (121	-32.4054	-35.2213	0.524259	1 BH
PITG_06589	Pi conserved hypothetical protein (	-32.4229	-35.1863	0.524259	1 BH

PITG_06651	Pi adiponectin receptor protein, pu	-32.4054	-35.2213	0.524259	1 BH
PITG_08570	Pi serine protease family S28, puta	-32.4409	-35.1503	0.524259	1 BH
PITG_08597	Pi conserved hypothetical protein (	-32.5384	-34.9554	0.524259	1 BH
PITG_09377	Pi ER degradation-enhancing alpha	-32.4229	-35.1863	0.524259	1 BH
PITG_09439	Pi conserved hypothetical protein (	-32.438	-35.1561	0.524259	1 BH
PITG_10443	Pi peroxisomal acyl-coenzyme A ox	-32.4409	-35.1503	0.524259	1 BH
PITG_10590	Pi kynurenine-oxoglutarate transar	-32.4229	-35.1863	0.524259	1 BH
PITG_11265	Pi conserved hypothetical protein (	-32.4409	-35.1503	0.524259	1 BH
PITG_12223	Pi SWI/SNF-related matrix-associat	-32.4409	-35.1503	0.524259	1 BH
PITG_13167	Pi conserved hypothetical protein (	-32.4229	-35.1863	0.524259	1 BH
PITG_14067	Pi zinc (Zn <sup>2+</sup> )-Iron (Fe <sup>2+</sup> ) Permease (i	-32.4054	-35.2213	0.524259	1 BH
PITG_14854	Pi signal recognition particle, putat	-32.4229	-35.1863	0.524259	1 BH
PITG_15445	Pi conserved hypothetical protein (	-32.4965	-35.0391	0.524259	1 BH
PITG_15496	Pi acyl-CoA synthetase, putative (1	-32.4054	-35.2213	0.524259	1 BH
PITG_15912	Pi Glycoside-Pentoside-Hexuronide	-32.438	-35.1561	0.524259	1 BH
PITG_16044	Pi CRN domain-containing protein-	-32.4766	-35.079	0.524259	1 BH
PITG_16788	Pi conserved hypothetical protein (	-32.4766	-35.079	0.524259	1 BH
PITG_19530	Pi conserved hypothetical protein (	-32.4229	-35.1863	0.524259	1 BH
PITG_20494	Pi conserved hypothetical protein (	-32.4229	-35.1863	0.524259	1 BH
PITG_20803	Pi conserved hypothetical protein (	-32.5384	-34.9554	0.524259	1 BH
PITG_20808	Pi serine/threonine protein kinase	-32.4409	-35.1503	0.524259	1 BH
PITG_21909	Pi conserved hypothetical protein (	-32.4409	-35.1503	0.524259	1 BH
PITG_01526	Pi dual specificity mitogen-activate	-32.4787	-35.0747	0.525158	1 BH
PITG_01584	Pi conserved hypothetical protein (	-32.5181	-34.9958	0.525158	1 BH
PITG_02122	Pi glucosamine-fructose-6-phosphat	-32.5181	-34.9958	0.525158	1 BH
PITG_02671	Pi cAMP-dependent protein kinase	-32.4981	-35.0358	0.525158	1 BH
PITG_02724	Pi Cullin family protein, putative (2	-32.4981	-35.0358	0.525158	1 BH
PITG_02994	Pi hypothetical protein (1187 nt)	-32.4981	-35.0358	0.525158	1 BH
PITG_03303	Pi conserved hypothetical protein (	-32.4787	-35.0747	0.525158	1 BH
PITG_03306	Pi HSF-type DNA-binding protein, p	-32.4787	-35.0747	0.525158	1 BH
PITG_04242	Pi phosphatase PTC7 family proteir	-32.5181	-34.9958	0.525158	1 BH
PITG_06992	Pi glucosidase 2 subunit beta, puta	-32.5181	-34.9958	0.525158	1 BH
PITG_07165	Pi serine protease family S10, puta	-32.5181	-34.9958	0.525158	1 BH
PITG_07331	Pi conserved hypothetical protein (	-32.517	-34.9981	0.525158	1 BH
PITG_08235	Pi conserved hypothetical protein (	-32.5181	-34.9958	0.525158	1 BH
PITG_08446	Pi conserved hypothetical protein (	-32.5181	-34.9958	0.525158	1 BH
PITG_09318	Pi hypothetical protein (538 nt)	-32.5181	-34.9958	0.525158	1 BH
PITG_09364	Pi conserved hypothetical protein (	-32.4787	-35.0747	0.525158	1 BH
PITG_09950	Pi conserved hypothetical protein (	-32.5181	-34.9958	0.525158	1 BH
PITG_10164	Pi NAD-dependent histone deacety	-32.4787	-35.0747	0.525158	1 BH
PITG_10440	Pi conserved hypothetical protein (	-32.4981	-35.0358	0.525158	1 BH
PITG_10764	Pi transmembrane protein, putativ	-32.4981	-35.0358	0.525158	1 BH
PITG_11486	Pi protein-L-isoaspartate O-methyl	-32.4981	-35.0358	0.525158	1 BH
PITG_12051	Pi conserved hypothetical protein (	-32.4981	-35.0358	0.525158	1 BH
PITG_12307	Pi conserved hypothetical protein (	-32.5181	-34.9958	0.525158	1 BH
PITG_15060	Pi conserved hypothetical protein (	-32.5181	-34.9958	0.525158	1 BH
PITG_17330	Pi pyridoxal kinase, putative (1406	-32.4787	-35.0747	0.525158	1 BH

PITG_17441	Pi conserved hypothetical protein (	-32.4981	-35.0358	0.525158	1 BH
PITG_17936	Pi structural maintenance of chrom	-32.4981	-35.0358	0.525158	1 BH
PITG_17986	Pi conserved hypothetical protein (	-32.4787	-35.0747	0.525158	1 BH
PITG_18702	Pi conserved hypothetical protein (	-32.5181	-34.9958	0.525158	1 BH
PITG_19612	Pi conserved hypothetical protein (	-32.5181	-34.9958	0.525158	1 BH
PITG_21887	Pi Major Facilitator Superfamily (M	-32.5181	-34.9958	0.525158	1 BH
PITG_23158	Pi isocitrate dehydrogenase, putati	-32.4787	-35.0747	0.525158	1 BH
PITG_13785	Pi conserved hypothetical protein (	-14.832	2.39795	0.525971	1 BH
PITG_00038	Pi myb-like DNA-binding protein, p	-32.4599	-35.1123	0.52606	1 BH
PITG_01832	Pi protein kinase (2896 nt)	-32.4599	-35.1123	0.52606	1 BH
PITG_02263	Pi metal transporter, putative (166	-32.4415	-35.1491	0.52606	1 BH
PITG_02683	Pi calcineurin-like phosphoesterase	-32.4599	-35.1123	0.52606	1 BH
PITG_03829	Pi conserved hypothetical protein (	-32.4236	-35.185	0.52606	1 BH
PITG_05311	Pi kinetochore protein NUF2-like p	-32.4415	-35.1491	0.52606	1 BH
PITG_05520	Pi glutamine-dependent NAD(+) sy	-32.4236	-35.185	0.52606	1 BH
PITG_06611	Pi vacuolar amino acid transporter,	-32.4415	-35.1491	0.52606	1 BH
PITG_06903	Pi conserved hypothetical protein (	-32.4599	-35.1123	0.52606	1 BH
PITG_08411	Pi conserved hypothetical protein (	-32.4599	-35.1123	0.52606	1 BH
PITG_08817	Pi conserved hypothetical protein (	-32.4236	-35.185	0.52606	1 BH
PITG_08926	Pi adherence factor, putative (6279	-32.4415	-35.1491	0.52606	1 BH
PITG_09246	Pi conserved hypothetical protein (	-32.419	-35.1942	0.52606	1 BH
PITG_09906	Pi arabinogalactan endo-1,4-beta-g	-32.4236	-35.185	0.52606	1 BH
PITG_09995	Pi conserved hypothetical protein (	-32.4761	-35.08	0.52606	1 BH
PITG_11134	Pi conserved hypothetical protein (	-32.4599	-35.1123	0.52606	1 BH
PITG_11142	Pi protein farnesyltransferase/gera	-32.4599	-35.1123	0.52606	1 BH
PITG_11369	Pi conserved hypothetical protein (	-32.4415	-35.1491	0.52606	1 BH
PITG_11728	Pi eukaryotic translation initiation	-32.4236	-35.185	0.52606	1 BH
PITG_12259	Pi lysosomal Pro-X carboxypeptida	-32.4236	-35.185	0.52606	1 BH
PITG_12326	Pi phosphatidylinositol kinase (PIK	-32.4415	-35.1491	0.52606	1 BH
PITG_12933	Pi conserved hypothetical protein (	-32.4236	-35.185	0.52606	1 BH
PITG_13078	Pi conserved hypothetical protein (	-32.4415	-35.1491	0.52606	1 BH
PITG_13631	Pi cytochrome P450, putative (143	-32.4761	-35.08	0.52606	1 BH
PITG_14353	Pi F-actin-capping protein subunit	-32.4415	-35.1491	0.52606	1 BH
PITG_14642	Pi GDP-L-fucose synthetase (963 nt)	-32.5381	-34.9559	0.52606	1 BH
PITG_15981	Pi conserved hypothetical protein (	-32.4599	-35.1123	0.52606	1 BH
PITG_17674	Pi 5'-3' exoribonuclease 1, putative	-32.4415	-35.1491	0.52606	1 BH
PITG_18067	Pi RAC family serine/threonine-pro	-32.4236	-35.185	0.52606	1 BH
PITG_18518	Pi translation initiation factor eIF-2	-32.4599	-35.1123	0.52606	1 BH
PITG_18977	Pi HECT E3 ubiquitin ligase, putativ	-32.4236	-35.185	0.52606	1 BH
PITG_19516	Pi conserved hypothetical protein (	-32.4599	-35.1123	0.52606	1 BH
PITG_19989	Pi conserved hypothetical protein (	-32.4599	-35.1123	0.52606	1 BH
PITG_21514	Pi conserved hypothetical protein (	-32.4761	-35.08	0.52606	1 BH
PITG_03117	Pi U4/U6 small nuclear ribonucleop	-32.4062	-35.2198	0.526963	1 BH
PITG_04232	Pi conserved hypothetical protein (	-32.4062	-35.2198	0.526963	1 BH
PITG_05854	Pi conserved hypothetical protein (	-32.496	-35.0402	0.526963	1 BH
PITG_09684	Pi hypothetical protein (636 nt)	-32.4062	-35.2198	0.526963	1 BH
PITG_13427	Pi glutathione reductase (1624 nt)	-32.4062	-35.2198	0.526963	1 BH

PITG_14505	Pi conserved hypothetical protein (	-32.4372	-35.1576	0.526963	1 BH
PITG_17967	Pi conserved hypothetical protein (	-32.4372	-35.1576	0.526963	1 BH
PITG_18741	Pi Amino Acid/Auxin Permease (AA	-32.4062	-35.2198	0.526963	1 BH
PITG_18867	Pi tRNA-dihydrouridine synthase, p	-32.4062	-35.2198	0.526963	1 BH
PITG_19032	Pi conserved hypothetical protein (	-32.496	-35.0402	0.526963	1 BH
PITG_01674	Pi conserved hypothetical protein (	-32.4987	-35.0347	0.527869	1 BH
PITG_02616	Pi caltractin (763 nt)	-32.5165	-34.9992	0.527869	1 BH
PITG_02981	Pi conserved hypothetical protein (	-32.456	-35.12	0.527869	1 BH
PITG_04001	Pi peptidase family U48, putative (	-32.5165	-34.9992	0.527869	1 BH
PITG_05609	Pi conserved hypothetical protein (	-32.5186	-34.9949	0.527869	1 BH
PITG_05691	Pi conserved hypothetical protein (	-32.4987	-35.0347	0.527869	1 BH
PITG_06281	Pi conserved hypothetical protein (	-32.5186	-34.9949	0.527869	1 BH
PITG_06817	Pi inactive ubiquitin carboxyl-termi	-32.5186	-34.9949	0.527869	1 BH
PITG_07946	Pi conserved hypothetical protein (	-32.5186	-34.9949	0.527869	1 BH
PITG_08532	Pi Drug/Metabolite Transporter (D	-32.456	-35.12	0.527869	1 BH
PITG_10400	Pi conserved hypothetical protein (	-32.4987	-35.0347	0.527869	1 BH
PITG_11231	Pi conserved hypothetical protein (	-32.4987	-35.0347	0.527869	1 BH
PITG_12211	Pi methionine aminopeptidase, pu	-32.4987	-35.0347	0.527869	1 BH
PITG_16116	Pi conserved hypothetical protein (	-32.5186	-34.9949	0.527869	1 BH
PITG_17672	Pi conserved hypothetical protein (	-32.456	-35.12	0.527869	1 BH
PITG_18412	Pi pre-mRNA cleavage complex II p	-32.5186	-34.9949	0.527869	1 BH
PITG_18713	Pi Rab6 family GTPase, putative (9:	-32.5186	-34.9949	0.527869	1 BH
PITG_19369	Pi conserved hypothetical protein (	-32.5186	-34.9949	0.527869	1 BH
PITG_20293	Pi hypothetical protein (228 nt)	-32.5165	-34.9992	0.527869	1 BH
PITG_21133	Pi hypothetical protein (905 nt)	-32.4987	-35.0347	0.527869	1 BH
PITG_04325	Pi pectinesterase, putative (1053 n	-14.8222	2.374394	0.528317	1 BH
PITG_22742	Pi conserved hypothetical protein (	-14.8222	2.374394	0.528317	1 BH
PITG_00180	Pi conserved hypothetical protein (	-32.4754	-35.0814	0.528777	1 BH
PITG_00349	Pi conserved hypothetical protein (	-32.4795	-35.0732	0.528777	1 BH
PITG_03365	Pi glucokinase, putative (1763 nt)	-32.4606	-35.1109	0.528777	1 BH
PITG_03614	Pi signal recognition particle recep	-32.4795	-35.0732	0.528777	1 BH
PITG_03652	Pi conserved hypothetical protein (	-32.4606	-35.1109	0.528777	1 BH
PITG_04651	Pi exportin-like protein (4306 nt)	-32.4795	-35.0732	0.528777	1 BH
PITG_05056	Pi GTP-binding protein, putative (1	-32.4606	-35.1109	0.528777	1 BH
PITG_05128	Pi conserved hypothetical protein (	-32.4423	-35.1476	0.528777	1 BH
PITG_05317	Pi transcriptional adapter 2-alpha,	-32.4423	-35.1476	0.528777	1 BH
PITG_06232	Pi hypothetical protein (638 nt)	-32.4795	-35.0732	0.528777	1 BH
PITG_06259	Pi calcium/calmodulin-dependent	-32.4606	-35.1109	0.528777	1 BH
PITG_06643	Pi conserved hypothetical protein (	-32.4606	-35.1109	0.528777	1 BH
PITG_08546	Pi conserved hypothetical protein (	-32.4795	-35.0732	0.528777	1 BH
PITG_10167	Pi eukaryotic translation initiation	-32.4423	-35.1476	0.528777	1 BH
PITG_13083	Pi conserved hypothetical protein (	-32.4795	-35.0732	0.528777	1 BH
PITG_15124	Pi Multidrug/Oligosaccharidyl-lipid	-32.4606	-35.1109	0.528777	1 BH
PITG_15528	Pi hypothetical protein (242 nt)	-32.4795	-35.0732	0.528777	1 BH
PITG_16364	Pi conserved hypothetical protein (	-32.4606	-35.1109	0.528777	1 BH
PITG_16546	Pi conserved hypothetical protein (	-32.4423	-35.1476	0.528777	1 BH
PITG_17039	Pi conserved hypothetical protein (	-32.4795	-35.0732	0.528777	1 BH



PITG_17387	Pi ras-specific guanine nucleotide-r	-32.4795	-35.0732	0.528777	1	BH
PITG_17499	Pi Chromate Ion Transporter (CHR)	-32.4606	-35.1109	0.528777	1	BH
PITG_19459	Pi protein kinase (1234 nt)	-32.4423	-35.1476	0.528777	1	BH
PITG_20928	Pi condensin complex subunit, putative	-32.4795	-35.0732	0.528777	1	BH
PITG_21279	Pi conserved hypothetical protein (1134 nt)	-32.4606	-35.1109	0.528777	1	BH
PITG_22671	Pi protein kinase, putative, pseudo	-32.4795	-35.0732	0.528777	1	BH
PITG_21026	Pi conserved hypothetical protein (1134 nt)	-13.9945	-1.10828	0.529079	1	BH
PITG_01659	Pi conserved hypothetical protein (1134 nt)	-14.6567	2.041351	0.529492	1	BH
PITG_00882	Pi ATP-binding Cassette (ABC) Superfamily	-32.4245	-35.1831	0.529687	1	BH
PITG_01508	Pi conserved hypothetical protein (1134 nt)	-32.4245	-35.1831	0.529687	1	BH
PITG_01738	Pi conserved hypothetical protein (1134 nt)	-32.4245	-35.1831	0.529687	1	BH
PITG_02082	Pi protein kinase, putative (1134 nt)	-32.4245	-35.1831	0.529687	1	BH
PITG_02368	Pi polysaccharide lyase, putative (1134 nt)	-32.5375	-34.9572	0.529687	1	BH
PITG_04860	Pi conserved hypothetical protein (1134 nt)	-32.4245	-35.1831	0.529687	1	BH
PITG_04907	Pi conserved hypothetical protein (1134 nt)	-32.4245	-35.1831	0.529687	1	BH
PITG_05588	Pi conserved hypothetical protein (1134 nt)	-32.5375	-34.9572	0.529687	1	BH
PITG_06356	Pi conserved hypothetical protein (1134 nt)	-32.4245	-35.1831	0.529687	1	BH
PITG_07327	Pi H/ACA ribonucleoprotein complex	-32.5375	-34.9572	0.529687	1	BH
PITG_11143	Pi AP-1 complex subunit gamma-1	-32.4245	-35.1831	0.529687	1	BH
PITG_14221	Pi conserved hypothetical protein (1134 nt)	-32.4364	-35.1593	0.529687	1	BH
PITG_14911	Pi mitochondrial folate transporter	-32.4364	-35.1593	0.529687	1	BH
PITG_16127	Pi conserved hypothetical protein (1134 nt)	-32.4245	-35.1831	0.529687	1	BH
PITG_21398	Pi DEAD/DEAH box RNA helicase, putative	-32.4245	-35.1831	0.529687	1	BH
PITG_03356	Pi conserved hypothetical protein (1134 nt)	-32.5593	-34.9135	0.530599	1	BH
PITG_05805	Pi tryptophan synthase (1338 nt)	-32.5593	-34.9135	0.530599	1	BH
PITG_15534	Pi conserved hypothetical protein (1134 nt)	-32.4951	-35.0418	0.530599	1	BH
PITG_18171	Pi mitochondrial 2-oxoglutarate/methylcrotonyl-CoA lyase	-32.4951	-35.0418	0.530599	1	BH
PITG_15638	Pi conserved hypothetical protein (1134 nt)	-8.89896	-1.07915	0.530652	1	BH
PITG_00495	Pi fat-free family protein (2988 nt)	-32.5194	-34.9933	0.531513	1	BH
PITG_00574	Pi endonuclease III-like, HhH-GPD superfamily	-32.5194	-34.9933	0.531513	1	BH
PITG_00680	Pi conserved hypothetical protein (1134 nt)	-32.5194	-34.9933	0.531513	1	BH
PITG_00705	Pi conserved hypothetical protein (1134 nt)	-32.5194	-34.9933	0.531513	1	BH
PITG_01049	Pi conserved hypothetical protein (1134 nt)	-32.5194	-34.9933	0.531513	1	BH
PITG_02172	Pi hypothetical protein (1277 nt)	-32.4995	-35.033	0.531513	1	BH
PITG_03547	Pi conserved hypothetical protein (1134 nt)	-32.4995	-35.033	0.531513	1	BH
PITG_04700	Pi Transient Receptor Potential Calcium channel	-32.5194	-34.9933	0.531513	1	BH
PITG_05004	Pi aspartyl protease family A01A, putative	-32.5156	-35.0009	0.531513	1	BH
PITG_06155	Pi conserved hypothetical protein (1134 nt)	-32.4551	-35.122	0.531513	1	BH
PITG_06986	Pi 5'-3' exoribonuclease, putative (1134 nt)	-32.4995	-35.033	0.531513	1	BH
PITG_09349	Pi translation elongation factor 1-alpha	-32.4995	-35.033	0.531513	1	BH
PITG_10388	Pi myosin-like protein (2458 nt)	-32.4995	-35.033	0.531513	1	BH
PITG_11981	Pi conserved hypothetical protein (1134 nt)	-32.4995	-35.033	0.531513	1	BH
PITG_12295	Pi copine, putative (2872 nt)	-32.4995	-35.033	0.531513	1	BH
PITG_12988	Pi conserved hypothetical protein (1134 nt)	-32.4995	-35.033	0.531513	1	BH
PITG_13406	Pi conserved hypothetical protein (1134 nt)	-32.5194	-34.9933	0.531513	1	BH
PITG_15039	Pi secreted RxLR effector peptide, putative	-32.5194	-34.9933	0.531513	1	BH
PITG_17833	Pi hypothetical protein (632 nt)	-32.4995	-35.033	0.531513	1	BH

PITG_17999	Pi 3-hydroxyisobutyrate dehydroge	-32.4995	-35.033	0.531513	1	BH
PITG_18655	Pi conserved hypothetical protein (	-32.4995	-35.033	0.531513	1	BH
PITG_00152	Pi kinesin-like protein (4503 nt)	-32.4616	-35.109	0.532429	1	BH
PITG_00324	Pi neutral ceramidase, putative (21	-32.4804	-35.0714	0.532429	1	BH
PITG_00413	Pi Proton-dependent Oligopeptide	-32.4616	-35.109	0.532429	1	BH
PITG_00770	Pi conserved hypothetical protein (	-32.4804	-35.0714	0.532429	1	BH
PITG_01563	Pi conserved hypothetical protein (	-32.4616	-35.109	0.532429	1	BH
PITG_01995	Pi hypothetical protein (138 nt)	-32.4804	-35.0714	0.532429	1	BH
PITG_02575	Pi alpha,alpha-trehalose-phosphat	-32.4616	-35.109	0.532429	1	BH
PITG_03492	Pi exportin-2-like protein (3093 nt)	-32.4804	-35.0714	0.532429	1	BH
PITG_04261	Pi ATP-binding Cassette (ABC) Sup	-32.4804	-35.0714	0.532429	1	BH
PITG_06841	Pi conserved hypothetical protein (	-32.4804	-35.0714	0.532429	1	BH
PITG_08416	Pi conserved hypothetical protein (	-32.4804	-35.0714	0.532429	1	BH
PITG_08456	Pi ankyrin-like protein (1932 nt)	-32.4616	-35.109	0.532429	1	BH
PITG_10312	Pi Patatin like protein (874 nt)	-32.4804	-35.0714	0.532429	1	BH
PITG_10553	Pi Poly(ADP-ribose) glycohydrolase	-32.4804	-35.0714	0.532429	1	BH
PITG_13985	Pi conserved hypothetical protein (	-32.4804	-35.0714	0.532429	1	BH
PITG_16878	Pi conserved hypothetical protein (	-32.4616	-35.109	0.532429	1	BH
PITG_17930	Pi RNA pseudouridine synthase, pu	-32.4616	-35.109	0.532429	1	BH
PITG_19213	Pi mitogen-activated protein kinas	-32.4616	-35.109	0.532429	1	BH
PITG_19508	Pi conserved hypothetical protein (	-32.4616	-35.109	0.532429	1	BH
PITG_20201	Pi Divalent Anion:Na Symporter (C	-32.4804	-35.0714	0.532429	1	BH
PITG_00632	Pi dolichyl-diphosphooligosacchari	-12.9859	1.539688	0.53246	1	BH
PITG_09798	Pi glucan 1,3-beta-glucosidase, put	-10.1472	1.144417	0.532961	1	BH
PITG_01401	Pi conserved hypothetical protein (	-13.9638	-1.17342	0.533206	1	BH
PITG_00289	Pi glutamate carboxypeptidase, pu	-32.5366	-34.9589	0.533347	1	BH
PITG_01367	Pi palmitoyltransferase, putative (1	-32.4434	-35.1453	0.533347	1	BH
PITG_02424	Pi aldo/keto reductase family (935	-32.4256	-35.181	0.533347	1	BH
PITG_02720	Pi conserved hypothetical protein (	-32.4256	-35.181	0.533347	1	BH
PITG_03471	Pi conserved hypothetical protein (	-32.4256	-35.181	0.533347	1	BH
PITG_03678	Pi kynurenine-oxoglutarate transar	-32.4434	-35.1453	0.533347	1	BH
PITG_04179	Pi condensin-2 complex subunit H2	-32.4434	-35.1453	0.533347	1	BH
PITG_04442	Pi conserved hypothetical protein (	-32.4353	-35.1615	0.533347	1	BH
PITG_04572	Pi conserved hypothetical protein (	-32.4434	-35.1453	0.533347	1	BH
PITG_05346	Pi cation-transporting ATPase, puta	-32.4434	-35.1453	0.533347	1	BH
PITG_05822	Pi conserved hypothetical protein (	-32.4256	-35.181	0.533347	1	BH
PITG_11081	Pi conserved hypothetical protein (	-32.4434	-35.1453	0.533347	1	BH
PITG_11890	Pi putative GPI-anchored serine-th	-32.4434	-35.1453	0.533347	1	BH
PITG_12291	Pi pre-mRNA-processing factor 39,	-32.4434	-35.1453	0.533347	1	BH
PITG_14279	Pi conserved hypothetical protein (	-32.4256	-35.181	0.533347	1	BH
PITG_15543	Pi conserved hypothetical protein (	-32.4434	-35.1453	0.533347	1	BH
PITG_16562	Pi conserved hypothetical protein (	-32.4256	-35.181	0.533347	1	BH
PITG_17028	Pi conserved hypothetical protein (	-32.4434	-35.1453	0.533347	1	BH
PITG_17601	Pi conserved hypothetical protein (	-32.4256	-35.181	0.533347	1	BH
PITG_18331	Pi conserved hypothetical protein (	-32.5366	-34.9589	0.533347	1	BH
PITG_20743	Pi nuclear transport factor, putativ	-12.3581	-0.72373	0.533914	1	BH
PITG_05657	Pi conserved hypothetical protein (	-32.4941	-35.0439	0.534267	1	BH

PITG_17885	Pi conserved hypothetical protein (	-13.9718	-1.16012	0.535954	1 BH
PITG_01193	Pi aspartate aminotransferase, put	-32.5408	-34.9505	0.536114	1 BH
PITG_02242	Pi conserved hypothetical protein (	-32.5408	-34.9505	0.536114	1 BH
PITG_02608	Pi autophagy-related protein, puta	-32.5205	-34.9912	0.536114	1 BH
PITG_02976	Pi conserved hypothetical protein (	-32.5408	-34.9505	0.536114	1 BH
PITG_03518	Pi hypothetical protein (249 nt)	-32.5145	-35.0032	0.536114	1 BH
PITG_03560	Pi conserved hypothetical protein (	-32.5408	-34.9505	0.536114	1 BH
PITG_04850	Pi conserved hypothetical protein (	-32.5408	-34.9505	0.536114	1 BH
PITG_05079	Pi glycosyltransferase (6744 nt)	-32.5408	-34.9505	0.536114	1 BH
PITG_06450	Pi myosin-like protein (3489 nt)	-32.5408	-34.9505	0.536114	1 BH
PITG_07655	Pi conserved hypothetical protein (	-32.5205	-34.9912	0.536114	1 BH
PITG_08157	Pi queuine tRNA-ribosyltransferase	-32.5408	-34.9505	0.536114	1 BH
PITG_08460	Pi lipin-like protein (2193 nt)	-32.5145	-35.0032	0.536114	1 BH
PITG_09272	Pi hypothetical protein (472 nt)	-32.5408	-34.9505	0.536114	1 BH
PITG_11276	Pi conserved hypothetical protein (	-32.5408	-34.9505	0.536114	1 BH
PITG_12161	Pi delta-1-pyrroline-5-carboxylate :	-32.5205	-34.9912	0.536114	1 BH
PITG_12540	Pi gephyrin-like protein (2015 nt)	-32.5205	-34.9912	0.536114	1 BH
PITG_12981	Pi conserved hypothetical protein (	-32.5408	-34.9505	0.536114	1 BH
PITG_13853	Pi conserved hypothetical protein (	-32.5408	-34.9505	0.536114	1 BH
PITG_15062	Pi conserved hypothetical protein (	-32.5408	-34.9505	0.536114	1 BH
PITG_16327	Pi conserved hypothetical protein (	-32.5205	-34.9912	0.536114	1 BH
PITG_16477	Pi short-chain specific acyl-CoA def	-32.5408	-34.9505	0.536114	1 BH
PITG_17273	Pi conserved hypothetical protein (	-32.5205	-34.9912	0.536114	1 BH
PITG_17501	Pi glucosylceramidase, putative (16	-32.5408	-34.9505	0.536114	1 BH
PITG_17768	Pi retinol dehydrogenase, putative	-32.5408	-34.9505	0.536114	1 BH
PITG_18694	Pi conserved hypothetical protein (	-32.5408	-34.9505	0.536114	1 BH
PITG_18735	Pi vacuolar protein sorting-associat	-32.5205	-34.9912	0.536114	1 BH
PITG_20866	Pi beta-glucan synthesis-associatec	-32.5205	-34.9912	0.536114	1 BH
PITG_21289	Pi polysaccharide lyase, putative (6	-32.5145	-35.0032	0.536114	1 BH
PITG_02046	Pi V-type proton ATPase 16 kDa pr	-11.7944	-0.83031	0.536783	1 BH
PITG_17033	Pi Annexin (Annexin) Family (987 n	-9.50755	-1.05247	0.536843	1 BH
PITG_05664	Pi choline/Carnitine O-acyltransfer	-32.4816	-35.069	0.537041	1 BH
PITG_10901	Pi resistance-Nodulation-Cell Divisi	-32.4816	-35.069	0.537041	1 BH
PITG_11153	Pi conserved hypothetical protein (	-32.4816	-35.069	0.537041	1 BH
PITG_12153	Pi myosin-like protein (4548 nt)	-32.4816	-35.069	0.537041	1 BH
PITG_13539	Pi hypothetical protein (927 nt)	-32.4816	-35.069	0.537041	1 BH
PITG_16015	Pi ribonuclease, putative (1049 nt)	-32.4816	-35.069	0.537041	1 BH
PITG_21553	Pi thioredoxin-like protein (1306 nt)	-32.4816	-35.069	0.537041	1 BH
PITG_01818	Pi homeodomain transcription fact	-32.5008	-35.0305	0.537041	1 BH
PITG_02914	Pi hypothetical protein (2357 nt)	-32.4731	-35.086	0.537041	1 BH
PITG_03860	Pi HECT E3 ubiquitin ligase, putativ	-32.5008	-35.0305	0.537041	1 BH
PITG_05248	Pi conserved hypothetical protein (	-32.5008	-35.0305	0.537041	1 BH
PITG_11743	Pi nuclear pore complex protein, p	-32.5008	-35.0305	0.537041	1 BH
PITG_13245	Pi glycerophosphodiesterase, puta	-32.5008	-35.0305	0.537041	1 BH
PITG_13896	Pi conserved hypothetical protein (	-32.5008	-35.0305	0.537041	1 BH
PITG_15999	Pi conserved hypothetical protein (	-32.5008	-35.0305	0.537041	1 BH
PITG_19350	Pi formin-homology 2 domain-cont	-32.5008	-35.0305	0.537041	1 BH

PITG_21941	Pi alpha-1,2 glucosyltransferase alg	-32.5008	-35.0305	0.537041	1 BH
PITG_08043	Pi conserved hypothetical protein (	-13.9991	-1.10665	0.537326	1 BH
PITG_00206	Pi conserved hypothetical protein (	-32.4447	-35.1427	0.53797	1 BH
PITG_00732	Pi phosphatidylinositol kinase (PIK-	-32.4447	-35.1427	0.53797	1 BH
PITG_03588	Pi conserved hypothetical protein (	-32.463	-35.1062	0.53797	1 BH
PITG_05211	Pi ATP-binding Cassette (ABC) Sup	-32.463	-35.1062	0.53797	1 BH
PITG_07874	Pi DNA topoisomerase 2 (5187 nt)	-32.463	-35.1062	0.53797	1 BH
PITG_08181	Pi conserved hypothetical protein (	-32.4447	-35.1427	0.53797	1 BH
PITG_08974	Pi conserved hypothetical protein (	-32.4447	-35.1427	0.53797	1 BH
PITG_09930	Pi type II inositol-3,4-bisphosphate	-32.4447	-35.1427	0.53797	1 BH
PITG_10058	Pi conserved hypothetical protein (	-32.463	-35.1062	0.53797	1 BH
PITG_16797	Pi tubulin-specific chaperone D, pu	-32.463	-35.1062	0.53797	1 BH
PITG_19220	Pi conserved hypothetical protein (	-32.463	-35.1062	0.53797	1 BH
PITG_04679	Pi conserved hypothetical protein (	-32.4337	-35.1647	0.538901	1 BH
PITG_05262	Pi conserved hypothetical protein (	-32.5352	-34.9616	0.538901	1 BH
PITG_07653	Pi conserved hypothetical protein (	-32.427	-35.178	0.538901	1 BH
PITG_07708	Pi hypothetical protein (659 nt)	-32.4337	-35.1647	0.538901	1 BH
PITG_20223	Pi carbohydrate esterase, putative	-32.427	-35.178	0.538901	1 BH
PITG_16184	Pi protein kinase (1242 nt)	-32.4926	-35.0469	0.539834	1 BH
PITG_11364	Pi conserved hypothetical protein (	-14.1727	-0.74445	0.540948	1 BH
PITG_16008	Pi 40S ribosomal protein S27-like p	-9.35375	-0.96047	0.541713	1 BH
PITG_01926	Pi conserved hypothetical protein (	-32.5424	-34.9474	0.542647	1 BH
PITG_05531	Pi conserved hypothetical protein (	-32.5221	-34.988	0.542647	1 BH
PITG_06429	Pi HECT E3 ubiquitin ligase, putativ	-32.5424	-34.9474	0.542647	1 BH
PITG_07983	Pi urease accessory protein, putati	-32.5127	-35.0067	0.542647	1 BH
PITG_03333	Pi conserved hypothetical protein (	-11.6711	1.231906	0.542711	1 BH
PITG_11452	Pi conserved hypothetical protein (	-12.72	-0.73123	0.542781	1 BH
PITG_10921	Pi conserved hypothetical protein (	-32.5025	-35.0272	0.543589	1 BH
PITG_02039	Pi EF-1 guanine nucleotide exchang	-11.2784	1.190528	0.543885	1 BH
PITG_15492	Pi peroxiredoxin-2 (777 nt)	-11.419	1.196322	0.544447	1 BH
PITG_06170	Pi conserved hypothetical protein (	-32.4834	-35.0653	0.544533	1 BH
PITG_08481	Pi regulator of chromosome conde	-32.4647	-35.1027	0.544533	1 BH
PITG_08664	Pi hypothetical protein (483 nt)	-32.4834	-35.0653	0.544533	1 BH
PITG_19728	Pi cohesin subunit, putative (4725	-32.4834	-35.0653	0.544533	1 BH
PITG_19856	Pi conserved hypothetical protein (	-32.4834	-35.0653	0.544533	1 BH
PITG_00348	Pi myosin-like protein (4175 nt)	-32.4466	-35.1389	0.54548	1 BH
PITG_20272	Pi methylenetetrahydrofolate redu	-32.4466	-35.1389	0.54548	1 BH
PITG_02570	Pi conserved hypothetical protein (	-32.6079	-34.8163	0.54548	1 BH
PITG_02760	Pi oxidoreductase, putative (881 nt)	-32.4288	-35.1744	0.54548	1 BH
PITG_04615	Pi glucan 1,3-beta-glucosidase, put	-32.4288	-35.1744	0.54548	1 BH
PITG_06574	Pi long-chain-fatty-acid-CoA ligase,	-32.6079	-34.8163	0.54548	1 BH
PITG_08902	Pi pleiotropic drug resistance prote	-32.6079	-34.8163	0.54548	1 BH
PITG_11807	Pi serine protease, putative (1325	-32.5334	-34.9653	0.54548	1 BH
PITG_13576	Pi ATP-binding Cassette (ABC) Sup	-32.6079	-34.8163	0.54548	1 BH
PITG_13579	Pi ATP-binding Cassette (ABC) Sup	-32.6079	-34.8163	0.54548	1 BH
PITG_13901	Pi conserved hypothetical protein (	-32.6079	-34.8163	0.54548	1 BH
PITG_01328	Pi conserved hypothetical protein (	-32.586	-34.8602	0.546429	1 BH

PITG_10119	Pi ubiquitin-specific protease, puta	-32.586	-34.8602	0.546429	1 BH
PITG_03078	Pi triosephosphate isomerase (819	-32.6017	-34.8288	0.54738	1 BH
PITG_04524	Pi conserved hypothetical protein (	-32.5647	-34.9028	0.54738	1 BH
PITG_16280	Pi glutamate synthase, putative (37	-32.5647	-34.9028	0.54738	1 BH
PITG_19013	Pi hypothetical protein (2144 nt)	-32.626	-34.7801	0.54738	1 BH
PITG_22802	Pi secreted RxLR effector peptide,	-32.626	-34.7801	0.54738	1 BH
PITG_00578	Pi metalloprotease family M38, pu	-12.7096	-0.7588	0.547472	1 BH
PITG_05016	Pi conserved hypothetical protein (	-32.5237	-34.9847	0.548333	1 BH
PITG_15956	Pi epoxide hydrolase, putative (113	-32.5774	-34.8772	0.548333	1 BH
PITG_18172	Pi conserved hypothetical protein (	-32.5774	-34.8772	0.548333	1 BH
PITG_08565	Pi conserved hypothetical protein (	-12.5087	1.312747	0.548598	1 BH
PITG_02926	Pi conserved hypothetical protein (	-32.485	-35.0621	0.549289	1 BH
PITG_05388	Pi conserved hypothetical protein (	-32.485	-35.0621	0.549289	1 BH
PITG_05452	Pi hypothetical cleavage-induced p	-32.5319	-34.9682	0.549289	1 BH
PITG_07117	Pi ATP-binding Cassette (ABC) Supe	-32.485	-35.0621	0.549289	1 BH
PITG_16939	Pi conserved hypothetical protein (	-32.485	-35.0621	0.549289	1 BH
PITG_17853	Pi conserved hypothetical protein (	-32.5107	-35.0107	0.549289	1 BH
PITG_01195	Pi aspartate aminotransferase, put	-32.4665	-35.0992	0.550247	1 BH
PITG_05853	Pi pterin-4-alpha-carbinolamine de	-32.4665	-35.0992	0.550247	1 BH
PITG_09438	Pi conserved hypothetical protein (	-11.0579	-0.79452	0.552879	1 BH
PITG_15626	Pi superoxide dismutase 2 (637 nt)	-10.6144	1.09362	0.554741	1 BH
PITG_14609	Pi eukaryotic translation initiation	-12.7049	-0.77948	0.55523	1 BH
PITG_13676	Pi conserved hypothetical protein (	-8.09614	0.779989	0.555982	1 BH
PITG_12299	Pi hypothetical protein (473 nt)	-8.88031	1.124669	0.556722	1 BH
PITG_05464	Pi conserved hypothetical protein (	-12.0568	1.188931	0.559266	1 BH
PITG_15904	Pi phosphoethanolamine N-methyl	-12.7274	-0.7412	0.55985	1 BH
PITG_17526	Pi crinkler (CRN) family protein, pu	-9.25421	-0.96498	0.560069	1 BH
PITG_21488	Pi Annexin (Annexin) Family (1207	-9.68155	-0.96421	0.561538	1 BH
PITG_17133	Pi 6,7-dimethyl-8-ribityllumazine sy	-12.7923	-0.60231	0.562627	1 BH
PITG_22103	Pi triosephosphate isomerase/glyc	-12.3491	1.295972	0.562873	1 BH
PITG_14563	Pi ubiquinone biosynthesis monoo	-14.0363	1.887932	0.563709	1 BH
PITG_02277	Pi cyclopropane-fatty-acyl-phosph	-14.0181	1.849104	0.56497	1 BH
PITG_05840	Pi cytochrome b-c1 complex subur	-11.4753	-0.75925	0.565735	1 BH
PITG_07790	Pi peroxisomal (S)-2-hydroxy-acid c	-13.9459	1.702467	0.566231	1 BH
PITG_15118	Pi actin-like protein (578 nt)	-8.41105	0.897529	0.566814	1 BH
PITG_19121	Pi 60S ribosomal protein L10 (848	-8.63925	-0.97068	0.569774	1 BH
PITG_00080	Pi protein kinase (1285 nt)	-33.0834	-33.8652	0.572196	1 BH
PITG_00887	Pi conserved hypothetical protein (	-33.0834	-33.8652	0.572196	1 BH
PITG_01644	Pi sodium/hydrogen exchanger, pu	-33.0834	-33.8652	0.572196	1 BH
PITG_05272	Pi conserved hypothetical protein (	-33.0834	-33.8652	0.572196	1 BH
PITG_07245	Pi conserved hypothetical protein (	-33.0834	-33.8652	0.572196	1 BH
PITG_07311	Pi DEAD/DEAH box RNA helicase, p	-33.0834	-33.8652	0.572196	1 BH
PITG_07796	Pi myosin-like protein (2910 nt)	-33.0834	-33.8652	0.572196	1 BH
PITG_09752	Pi conserved hypothetical protein (	-33.0834	-33.8652	0.572196	1 BH
PITG_10877	Pi peptidyl-prolyl cis-trans isomera	-33.0834	-33.8652	0.572196	1 BH
PITG_12573	Pi conserved hypothetical protein (	-33.0834	-33.8652	0.572196	1 BH
PITG_17392	Pi conserved hypothetical protein (	-33.0834	-33.8652	0.572196	1 BH

PITG_18883	Pi conserved hypothetical protein (	-33.0834	-33.8652	0.572196	1 BH
PITG_19876	Pi conserved hypothetical protein (	-33.0834	-33.8652	0.572196	1 BH
PITG_21619	Pi homoserine O-acetyltransferase	-33.0834	-33.8652	0.572196	1 BH
PITG_03598	Pi 6-phosphofructokinase, putative	-13.5366	1.566572	0.572591	1 BH
PITG_00227	Pi DEAD/DEAH box RNA helicase, p	-33.0768	-33.8784	0.572711	1 BH
PITG_00675	Pi conserved hypothetical protein (	-33.0768	-33.8784	0.572711	1 BH
PITG_00913	Pi 3-hydroxyisobutyrate dehydroge	-33.0768	-33.8784	0.572711	1 BH
PITG_01084	Pi conserved hypothetical protein (	-33.0768	-33.8784	0.572711	1 BH
PITG_01356	Pi ATP-binding Cassette (ABC) Sup	-33.0768	-33.8784	0.572711	1 BH
PITG_01976	Pi DNA repair protein, putative (16	-33.0768	-33.8784	0.572711	1 BH
PITG_02234	Pi F-box protein, putative (2205 nt,	-33.0768	-33.8784	0.572711	1 BH
PITG_03127	Pi M96 mating-specific protein far	-33.0903	-33.8515	0.572711	1 BH
PITG_03269	Pi conserved hypothetical protein (	-33.0768	-33.8784	0.572711	1 BH
PITG_03400	Pi crinkler (CRN) family protein, pu	-33.0768	-33.8784	0.572711	1 BH
PITG_03498	Pi octanoyltransferase, putative (9	-33.0903	-33.8515	0.572711	1 BH
PITG_03831	Pi conserved hypothetical protein (	-33.0768	-33.8784	0.572711	1 BH
PITG_04428	Pi conserved hypothetical protein (	-33.0768	-33.8784	0.572711	1 BH
PITG_04924	Pi conserved hypothetical protein (	-33.0903	-33.8515	0.572711	1 BH
PITG_05198	Pi conserved hypothetical protein (	-33.0768	-33.8784	0.572711	1 BH
PITG_05408	Pi transmembrane protein, putativ	-33.0768	-33.8784	0.572711	1 BH
PITG_05503	Pi cyclin-C, putative (1179 nt)	-33.0768	-33.8784	0.572711	1 BH
PITG_06148	Pi conserved hypothetical protein (	-33.0768	-33.8784	0.572711	1 BH
PITG_06551	Pi conserved hypothetical protein (	-33.0768	-33.8784	0.572711	1 BH
PITG_06981	Pi DEAD/DEAH box RNA helicase, p	-33.0768	-33.8784	0.572711	1 BH
PITG_07060	Pi hypothetical protein (943 nt)	-33.0768	-33.8784	0.572711	1 BH
PITG_07206	Pi hypothetical protein (1386 nt)	-33.0768	-33.8784	0.572711	1 BH
PITG_07277	Pi exopolysaccharide phosphotran:	-33.0768	-33.8784	0.572711	1 BH
PITG_08222	Pi conserved hypothetical protein (	-33.0768	-33.8784	0.572711	1 BH
PITG_09522	Pi conserved hypothetical protein (	-33.0903	-33.8515	0.572711	1 BH
PITG_09985	Pi pro-apoptotic serine protease n	-33.0903	-33.8515	0.572711	1 BH
PITG_11057	Pi conserved hypothetical protein (	-33.0768	-33.8784	0.572711	1 BH
PITG_11221	Pi conserved hypothetical protein (	-33.0903	-33.8515	0.572711	1 BH
PITG_11458	Pi prostaglandin E synthase, putati	-33.0768	-33.8784	0.572711	1 BH
PITG_12600	Pi flagellar radial spoke protein, pu	-33.0768	-33.8784	0.572711	1 BH
PITG_12673	Pi conserved hypothetical protein (	-33.0768	-33.8784	0.572711	1 BH
PITG_12683	Pi conserved hypothetical protein (	-33.0768	-33.8784	0.572711	1 BH
PITG_13486	Pi dTDP-D-glucose 4,6-dehydratase	-33.0768	-33.8784	0.572711	1 BH
PITG_14104	Pi conserved hypothetical protein (	-33.0768	-33.8784	0.572711	1 BH
PITG_14152	Pi conserved hypothetical protein (	-33.0903	-33.8515	0.572711	1 BH
PITG_14283	Pi malonyl CoA-acyl carrier protein	-33.0903	-33.8515	0.572711	1 BH
PITG_14730	Pi nucleolar protein, putative (264	-33.0768	-33.8784	0.572711	1 BH
PITG_14822	Pi conserved hypothetical protein (	-33.0903	-33.8515	0.572711	1 BH
PITG_14951	Pi conserved hypothetical protein (	-33.0903	-33.8515	0.572711	1 BH
PITG_15391	Pi conserved hypothetical protein (	-33.0768	-33.8784	0.572711	1 BH
PITG_15479	Pi conserved hypothetical protein (	-33.0903	-33.8515	0.572711	1 BH
PITG_16036	Pi echinoderm microtubule-associa	-33.0768	-33.8784	0.572711	1 BH
PITG_16333	Pi ATP-dependent hsl protease ATF	-33.0768	-33.8784	0.572711	1 BH

PITG_17402	Pi conserved hypothetical protein (	-33.0768	-33.8784	0.572711	1 BH
PITG_18578	Pi dual specificity protein phosphatase	-33.0768	-33.8784	0.572711	1 BH
PITG_19159	Pi conserved hypothetical protein (	-33.0768	-33.8784	0.572711	1 BH
PITG_20637	Pi conserved hypothetical protein (	-33.0768	-33.8784	0.572711	1 BH
PITG_21180	Pi conserved hypothetical protein (	-33.0768	-33.8784	0.572711	1 BH
PITG_21644	Pi UDP-N-acetylglucosamine transferase	-33.0768	-33.8784	0.572711	1 BH
PITG_22021	Pi HECT E3 ubiquitin ligase, putative	-33.0768	-33.8784	0.572711	1 BH
PITG_22159	Pi conserved hypothetical protein (	-33.0768	-33.8784	0.572711	1 BH
PITG_06290	Pi secreted RxLR effector peptide, (	-9.32221	0.853387	0.572939	1 BH
PITG_05264	Pi 10 kDa chaperonin (619 nt)	-10.1827	1.033138	0.573117	1 BH
PITG_00437	Pi conserved hypothetical protein (	-33.0708	-33.8904	0.573747	1 BH
PITG_00991	Pi Amino Acid-Polyamine-Organocatalase	-33.0708	-33.8904	0.573747	1 BH
PITG_01180	Pi cell division protein ftsZ (1445 nt)	-33.0708	-33.8904	0.573747	1 BH
PITG_01784	Pi conserved hypothetical protein (	-33.0708	-33.8904	0.573747	1 BH
PITG_01813	Pi tRNA (guanine-N(7)-)-methyltransferase	-33.0708	-33.8904	0.573747	1 BH
PITG_02185	Pi conserved hypothetical protein (	-33.0708	-33.8904	0.573747	1 BH
PITG_02805	Pi DNA mismatch repair protein Msh1	-33.0708	-33.8904	0.573747	1 BH
PITG_02887	Pi ribosome biogenesis protein Bm1	-33.0708	-33.8904	0.573747	1 BH
PITG_02980	Pi conserved hypothetical protein (	-33.0708	-33.8904	0.573747	1 BH
PITG_03135	Pi lysosomal beta glucosidase, putative	-33.0708	-33.8904	0.573747	1 BH
PITG_03844	Pi conserved hypothetical protein (	-33.0708	-33.8904	0.573747	1 BH
PITG_03855	Pi DNA-directed RNA polymerase I	-33.0708	-33.8904	0.573747	1 BH
PITG_04916	Pi conserved hypothetical protein (	-33.0708	-33.8904	0.573747	1 BH
PITG_04985	Pi sorbitol dehydrogenase, putative	-33.0708	-33.8904	0.573747	1 BH
PITG_05197	Pi conserved hypothetical protein (	-33.0708	-33.8904	0.573747	1 BH
PITG_05433	Pi STIP-like protein (2466 nt)	-33.0708	-33.8904	0.573747	1 BH
PITG_05536	Pi RNA pseudouridylylase synthase, putative	-33.0708	-33.8904	0.573747	1 BH
PITG_06578	Pi protein kinase (1389 nt)	-33.0708	-33.8904	0.573747	1 BH
PITG_07042	Pi conserved hypothetical protein (	-33.0708	-33.8904	0.573747	1 BH
PITG_07062	Pi aspartyl/glutamyl-tRNA(Asn/Gln) synthetase	-33.0708	-33.8904	0.573747	1 BH
PITG_07642	Pi hypothetical protein (222 nt)	-33.0708	-33.8904	0.573747	1 BH
PITG_08373	Pi serine hydrolase (FSH1)-like protein	-33.0708	-33.8904	0.573747	1 BH
PITG_08640	Pi phosphatidylinositol kinase (PIK)	-33.0708	-33.8904	0.573747	1 BH
PITG_09041	Pi conserved hypothetical protein (	-33.0708	-33.8904	0.573747	1 BH
PITG_09666	Pi conserved hypothetical protein (	-33.0708	-33.8904	0.573747	1 BH
PITG_10891	Pi inositol transporter, putative (15	-33.0708	-33.8904	0.573747	1 BH
PITG_10977	Pi flavin-binding monooxygenase-like	-33.0708	-33.8904	0.573747	1 BH
PITG_12305	Pi rRNA-processing protein FCF1 (9	-33.0708	-33.8904	0.573747	1 BH
PITG_14172	Pi conserved hypothetical protein (	-33.0708	-33.8904	0.573747	1 BH
PITG_14176	Pi conserved hypothetical protein (	-33.0708	-33.8904	0.573747	1 BH
PITG_14591	Pi choline-phosphate cytidylyltransferase	-33.0708	-33.8904	0.573747	1 BH
PITG_15322	Pi conserved hypothetical protein (	-33.0708	-33.8904	0.573747	1 BH
PITG_15438	Pi conserved hypothetical protein (	-33.0708	-33.8904	0.573747	1 BH
PITG_15509	Pi SNF2 family helicase/ATPase and	-33.0708	-33.8904	0.573747	1 BH
PITG_15860	Pi hypothetical protein (985 nt)	-33.0708	-33.8904	0.573747	1 BH
PITG_16223	Pi conserved hypothetical protein (	-33.0708	-33.8904	0.573747	1 BH
PITG_17249	Pi Chloride Channel (ClC) Family (2	-33.0708	-33.8904	0.573747	1 BH

PITG_17628	Pi conserved hypothetical protein (	-33.0708	-33.8904	0.573747	1 BH
PITG_17660	Pi Amino Acid-Polyamine-Organoc	-33.0708	-33.8904	0.573747	1 BH
PITG_18080	Pi phosphoglycerate mutase (789 r	-33.0708	-33.8904	0.573747	1 BH
PITG_18105	Pi putative GPI mannosyltransferas	-33.0708	-33.8904	0.573747	1 BH
PITG_18210	Pi conserved hypothetical protein (	-33.0708	-33.8904	0.573747	1 BH
PITG_18246	Pi conserved hypothetical protein (	-33.0708	-33.8904	0.573747	1 BH
PITG_18826	Pi Crinkler (CRN) family protein (15	-33.0708	-33.8904	0.573747	1 BH
PITG_19257	Pi calcineurin-like phosphoesterase	-33.0708	-33.8904	0.573747	1 BH
PITG_19867	Pi conserved hypothetical protein (	-33.0708	-33.8904	0.573747	1 BH
PITG_20128	Pi transmembrane protein, putati	-33.0708	-33.8904	0.573747	1 BH
PITG_20195	Pi transcription factor Dp-1 (1620 r	-33.0708	-33.8904	0.573747	1 BH
PITG_22858	Pi conserved hypothetical protein (	-33.0708	-33.8904	0.573747	1 BH
PITG_01705	Pi hypothetical protein (362 nt)	-12.3494	-0.73874	0.573994	1 BH
PITG_00035	Pi 60S ribosomal export protein NM	-33.1109	-33.8102	0.575846	1 BH
PITG_01339	Pi conserved hypothetical protein (	-33.1109	-33.8102	0.575846	1 BH
PITG_01489	Pi hypothetical protein (765 nt)	-33.1109	-33.8102	0.575846	1 BH
PITG_01741	Pi conserved hypothetical protein (	-33.1109	-33.8102	0.575846	1 BH
PITG_02555	Pi conserved hypothetical protein (	-33.1109	-33.8102	0.575846	1 BH
PITG_02781	Pi conserved hypothetical protein (	-33.1109	-33.8102	0.575846	1 BH
PITG_03049	Pi cAMP-dependent protein kinase	-33.1109	-33.8102	0.575846	1 BH
PITG_03283	Pi conserved hypothetical protein (	-33.1109	-33.8102	0.575846	1 BH
PITG_03317	Pi conserved hypothetical protein (	-33.1109	-33.8102	0.575846	1 BH
PITG_03375	Pi conserved hypothetical protein (	-33.1109	-33.8102	0.575846	1 BH
PITG_03779	Pi anaphase-promoting complex su	-33.1109	-33.8102	0.575846	1 BH
PITG_03957	Pi conserved hypothetical protein (	-33.1109	-33.8102	0.575846	1 BH
PITG_03970	Pi conserved hypothetical protein (	-33.1109	-33.8102	0.575846	1 BH
PITG_03973	Pi conserved hypothetical protein (	-33.1109	-33.8102	0.575846	1 BH
PITG_04057	Pi conserved hypothetical protein (	-33.1109	-33.8102	0.575846	1 BH
PITG_04523	Pi conserved hypothetical protein (	-33.1109	-33.8102	0.575846	1 BH
PITG_04641	Pi conserved hypothetical protein (	-33.1109	-33.8102	0.575846	1 BH
PITG_04917	Pi anaphase-promoting complex su	-33.1109	-33.8102	0.575846	1 BH
PITG_05682	Pi conserved hypothetical protein (	-33.1109	-33.8102	0.575846	1 BH
PITG_05798	Pi protein kinase, putative (2322 nt	-33.1109	-33.8102	0.575846	1 BH
PITG_05814	Pi conserved hypothetical protein (	-33.1109	-33.8102	0.575846	1 BH
PITG_07045	Pi conserved hypothetical protein (	-33.1109	-33.8102	0.575846	1 BH
PITG_07074	Pi conserved hypothetical protein (	-33.1109	-33.8102	0.575846	1 BH
PITG_07902	Pi chromodomain protein, putative	-33.1109	-33.8102	0.575846	1 BH
PITG_07952	Pi conserved hypothetical protein (	-33.1109	-33.8102	0.575846	1 BH
PITG_08186	Pi conserved hypothetical protein (	-33.1109	-33.8102	0.575846	1 BH
PITG_08306	Pi myosin-like protein (2379 nt)	-33.1109	-33.8102	0.575846	1 BH
PITG_08436	Pi conserved hypothetical protein (	-33.1109	-33.8102	0.575846	1 BH
PITG_08552	Pi conserved hypothetical protein (	-33.1109	-33.8102	0.575846	1 BH
PITG_08672	Pi conserved hypothetical protein (	-33.1109	-33.8102	0.575846	1 BH
PITG_11038	Pi ATP-dependent helicase, putativ	-33.1109	-33.8102	0.575846	1 BH
PITG_11625	Pi conserved hypothetical protein (	-33.1109	-33.8102	0.575846	1 BH
PITG_11912	Pi DNA replication licensing factor	-33.1109	-33.8102	0.575846	1 BH
PITG_11971	Pi conserved hypothetical protein (	-33.1109	-33.8102	0.575846	1 BH



PITG_12346	Pi DNA replication licensing factor	-33.1109	-33.8102	0.575846	1	BH
PITG_13056	Pi Mitochondrial Carrier (MC) Fami	-33.1109	-33.8102	0.575846	1	BH
PITG_14765	Pi GPI ethanolamine phosphate tra	-33.1109	-33.8102	0.575846	1	BH
PITG_14978	Pi dolichyl-phosphate beta-glucosy	-33.1109	-33.8102	0.575846	1	BH
PITG_15446	Pi conserved hypothetical protein (	-33.1109	-33.8102	0.575846	1	BH
PITG_15529	Pi exosome complex exonuclease f	-33.1109	-33.8102	0.575846	1	BH
PITG_15746	Pi SCP-like extracellular protein, pu	-33.1109	-33.8102	0.575846	1	BH
PITG_16225	Pi HECT E3 ubiquitin ligase, putativ	-33.1109	-33.8102	0.575846	1	BH
PITG_16511	Pi conserved hypothetical protein (	-33.1109	-33.8102	0.575846	1	BH
PITG_17138	Pi conserved hypothetical protein (	-33.1109	-33.8102	0.575846	1	BH
PITG_17631	Pi conserved hypothetical protein (	-33.1109	-33.8102	0.575846	1	BH
PITG_17829	Pi Hypothetical protein (1383 nt)	-33.1109	-33.8102	0.575846	1	BH
PITG_18800	Pi conserved hypothetical protein (	-33.1109	-33.8102	0.575846	1	BH
PITG_18851	Pi conserved hypothetical protein (	-33.1109	-33.8102	0.575846	1	BH
PITG_19441	Pi ATP-binding Cassette (ABC) Supe	-33.1109	-33.8102	0.575846	1	BH
PITG_19773	Pi serine/threonine protein kinase	-33.1109	-33.8102	0.575846	1	BH
PITG_20610	Pi conserved hypothetical protein (	-33.1109	-33.8102	0.575846	1	BH
PITG_20765	Pi conserved hypothetical protein (	-33.1109	-33.8102	0.575846	1	BH
PITG_22505	Pi conserved hypothetical protein (	-33.1109	-33.8102	0.575846	1	BH
PITG_02691	Pi hypothetical protein (4334 nt)	-33.2032	-33.6258	0.576376	1	BH
PITG_10212	Pi ADP-ribosylation factor family (€	-33.2032	-33.6258	0.576376	1	BH
PITG_10896	Pi conserved hypothetical protein (	-33.2032	-33.6258	0.576376	1	BH
PITG_00582	Pi secreted RxLR effector peptide,	-32.2846	35.46294	0.576909	1	BH
PITG_04049	Pi secreted RxLR effector peptide,	-32.2846	35.46294	0.576909	1	BH
PITG_21040	Pi conserved hypothetical protein (	-32.2846	35.46294	0.576909	1	BH
PITG_22675	Pi secreted RxLR effector peptide,	-32.2846	35.46294	0.576909	1	BH
PITG_02209	Pi hypothetical protein (836 nt)	-33.2641	-33.5038	0.577444	1	BH
PITG_05495	Pi conserved hypothetical protein (	-33.2641	-33.5038	0.577444	1	BH
PITG_07095	Pi hypothetical protein (339 nt)	-33.333	-33.366	0.577444	1	BH
PITG_08639	Pi conserved hypothetical protein (	-33.333	-33.366	0.577444	1	BH
PITG_10854	Pi hypothetical protein (921 nt)	-33.333	-33.366	0.577444	1	BH
PITG_14683	Pi conserved hypothetical protein (	-33.333	-33.366	0.577444	1	BH
PITG_15262	Pi conserved hypothetical protein (	-33.333	-33.366	0.577444	1	BH
PITG_23045	Pi isoamyl acetate-hydrolyzing este	-33.333	-33.366	0.577444	1	BH
PITG_23270	Pi crinkler (CRN) family protein, ps	-33.333	-33.366	0.577444	1	BH
PITG_00083	Pi conserved hypothetical protein (	-33.2029	-33.6263	0.577444	1	BH
PITG_00176	Pi presenilin-like protein (1741 nt)	-33.2029	-33.6263	0.577444	1	BH
PITG_00328	Pi conserved hypothetical protein (	-33.2029	-33.6263	0.577444	1	BH
PITG_00476	Pi conserved hypothetical protein (	-33.2029	-33.6263	0.577444	1	BH
PITG_00635	Pi Ryanodine-Inositol 1,4,5-triphos	-33.2029	-33.6263	0.577444	1	BH
PITG_01204	Pi DNA mismatch repair protein, pi	-33.2029	-33.6263	0.577444	1	BH
PITG_01337	Pi conserved hypothetical protein (	-33.2029	-33.6263	0.577444	1	BH
PITG_01451	Pi GPI ethanolamine phosphate tra	-33.2029	-33.6263	0.577444	1	BH
PITG_01509	Pi conserved hypothetical protein (	-33.2029	-33.6263	0.577444	1	BH
PITG_02134	Pi conserved hypothetical protein (	-33.2029	-33.6263	0.577444	1	BH
PITG_03351	Pi DNA mismatch repair protein M:	-33.2029	-33.6263	0.577444	1	BH
PITG_03587	Pi Mitochondrial Protein Transloca	-33.2029	-33.6263	0.577444	1	BH

PITG_03662	Pi calcineurin-like phosphoesterase	-33.2029	-33.6263	0.577444	1 BH
PITG_04012	Pi elongator complex protein, puta	-33.2029	-33.6263	0.577444	1 BH
PITG_04800	Pi conserved hypothetical protein (	-33.2029	-33.6263	0.577444	1 BH
PITG_04970	Pi conserved hypothetical protein (	-33.2029	-33.6263	0.577444	1 BH
PITG_05217	Pi ATP-binding Cassette (ABC) Supe	-33.2029	-33.6263	0.577444	1 BH
PITG_05332	Pi Voltage-gated Ion Channel (VIC)	-33.2029	-33.6263	0.577444	1 BH
PITG_05365	Pi serine/threonine protein kinase	-33.2029	-33.6263	0.577444	1 BH
PITG_05549	Pi conserved hypothetical protein (	-33.2029	-33.6263	0.577444	1 BH
PITG_05604	Pi conserved hypothetical protein (	-33.2029	-33.6263	0.577444	1 BH
PITG_05696	Pi NAD-dependent glycerol-3-phos	-33.2029	-33.6263	0.577444	1 BH
PITG_06576	Pi conserved hypothetical protein (	-33.2029	-33.6263	0.577444	1 BH
PITG_06703	Pi conserved hypothetical protein (	-33.2029	-33.6263	0.577444	1 BH
PITG_06880	Pi mitogen-activated protein kinas	-33.2029	-33.6263	0.577444	1 BH
PITG_07010	Pi conserved hypothetical protein (	-33.2029	-33.6263	0.577444	1 BH
PITG_07171	Pi calcineurin-like phosphoesterase	-33.2029	-33.6263	0.577444	1 BH
PITG_07656	Pi ubiquitin-specific protease, puta	-33.2029	-33.6263	0.577444	1 BH
PITG_07818	Pi conserved hypothetical protein (	-33.2029	-33.6263	0.577444	1 BH
PITG_07900	Pi Amino Acid/Auxin Permease (AA	-33.2029	-33.6263	0.577444	1 BH
PITG_07913	Pi conserved hypothetical protein (	-33.2029	-33.6263	0.577444	1 BH
PITG_08017	Pi cell division cycle protein 123 (1	-33.2029	-33.6263	0.577444	1 BH
PITG_08187	Pi ankyrin-like protein (1227 nt)	-33.2029	-33.6263	0.577444	1 BH
PITG_08309	Pi myosin-like protein (2585 nt)	-33.2029	-33.6263	0.577444	1 BH
PITG_08410	Pi conserved hypothetical protein (	-33.2029	-33.6263	0.577444	1 BH
PITG_08505	Pi conserved hypothetical protein (	-33.2029	-33.6263	0.577444	1 BH
PITG_08716	Pi hypothetical protein (568 nt)	-33.2029	-33.6263	0.577444	1 BH
PITG_09851	Pi metalloprotease family M12A, p	-33.2029	-33.6263	0.577444	1 BH
PITG_09980	Pi conserved hypothetical protein (	-33.2029	-33.6263	0.577444	1 BH
PITG_10302	Pi Sulfate Permease (SulP) Family (	-33.2029	-33.6263	0.577444	1 BH
PITG_10408	Pi SCP-like extracellular protein (61	-33.2029	-33.6263	0.577444	1 BH
PITG_10451	Pi conserved hypothetical protein (	-33.2029	-33.6263	0.577444	1 BH
PITG_10676	Pi transmembrane protein, putativ	-33.2029	-33.6263	0.577444	1 BH
PITG_10860	Pi conserved hypothetical protein (	-33.2029	-33.6263	0.577444	1 BH
PITG_11028	Pi mevalonate kinase, putative (13	-33.2029	-33.6263	0.577444	1 BH
PITG_12131	Pi protease inhibitor Epi4 (957 nt)	-33.2029	-33.6263	0.577444	1 BH
PITG_12237	Pi hypothetical protein (2161 nt)	-33.2029	-33.6263	0.577444	1 BH
PITG_12969	Pi conserved hypothetical protein (	-33.2029	-33.6263	0.577444	1 BH
PITG_13285	Pi hypothetical protein (1188 nt)	-33.2029	-33.6263	0.577444	1 BH
PITG_13437	Pi metalloprotease family M16C, p	-33.2029	-33.6263	0.577444	1 BH
PITG_13619	Pi conserved hypothetical protein (	-33.2029	-33.6263	0.577444	1 BH
PITG_14051	Pi beta-glucan synthesis-associatec	-33.2029	-33.6263	0.577444	1 BH
PITG_14286	Pi conserved hypothetical protein (	-33.2029	-33.6263	0.577444	1 BH
PITG_15026	Pi importin-like protein (3656 nt)	-33.2029	-33.6263	0.577444	1 BH
PITG_15258	Pi conserved hypothetical protein (	-33.2029	-33.6263	0.577444	1 BH
PITG_15505	Pi DNA polymerase epsilon catalyti	-33.2029	-33.6263	0.577444	1 BH
PITG_15648	Pi conserved hypothetical protein (	-33.2029	-33.6263	0.577444	1 BH
PITG_15837	Pi chromodomain protein, putative	-33.2029	-33.6263	0.577444	1 BH
PITG_16090	Pi conserved hypothetical protein (	-33.2029	-33.6263	0.577444	1 BH

PITG_16097	Pi Monovalent Cation:Proton Antip	-33.2029	-33.6263	0.577444	1	BH
PITG_17286	Pi ATP-binding Cassette (ABC) Supe	-33.2029	-33.6263	0.577444	1	BH
PITG_18014	Pi conserved hypothetical protein (	-33.2029	-33.6263	0.577444	1	BH
PITG_18035	Pi conserved hypothetical protein (	-33.2029	-33.6263	0.577444	1	BH
PITG_18036	Pi conserved hypothetical protein (	-33.2029	-33.6263	0.577444	1	BH
PITG_18859	Pi cGMP-dependent 3',5'-cGMP ph	-33.2029	-33.6263	0.577444	1	BH
PITG_20836	Pi conserved hypothetical protein (	-33.2029	-33.6263	0.577444	1	BH
PITG_20927	Pi trehalose-phosphatase, putative	-33.2029	-33.6263	0.577444	1	BH
PITG_21149	Pi conserved hypothetical protein (	-33.2029	-33.6263	0.577444	1	BH
PITG_21181	Pi conserved hypothetical protein (	-33.2029	-33.6263	0.577444	1	BH
PITG_21552	Pi sulfhydryl oxidase, putative (148	-33.2029	-33.6263	0.577444	1	BH
PITG_22378	Pi conserved hypothetical protein (	-33.2029	-33.6263	0.577444	1	BH
PITG_22851	Pi conserved hypothetical protein (	-33.2029	-33.6263	0.577444	1	BH
PITG_22857	Pi DNA repair protein RAD5, SWI/S	-33.2029	-33.6263	0.577444	1	BH
PITG_23007	Pi histidine kinase (6042 nt)	-33.2029	-33.6263	0.577444	1	BH
PITG_23139	Pi conserved hypothetical protein (	-33.2029	-33.6263	0.577444	1	BH
PITG_09431	Pi 40S ribosomal protein S19-3 (94	-9.54094	1.046121	0.580092	1	BH
PITG_12905	Pi transmembrane protein, putativ	-12.414	-0.60722	0.581051	1	BH
PITG_04704	Pi conserved hypothetical protein (	-13.29	-0.64395	0.582273	1	BH
PITG_08671	Pi conserved hypothetical protein (	-14.0611	-0.96285	0.584436	1	BH
PITG_08673	Pi conserved hypothetical protein (	-14.044	-0.99696	0.584436	1	BH
PITG_12310	Pi conserved hypothetical protein (	-14.0537	-0.97757	0.584436	1	BH
PITG_01649	Pi AP-2 complex subunit sigma (76	-14.0332	-1.01984	0.585659	1	BH
PITG_12877	Pi DNA-directed RNA polymerase I,	-14.0476	-0.99113	0.585659	1	BH
PITG_19049	Pi conserved hypothetical protein (	-14.0403	-1.00556	0.585659	1	BH
PITG_00527	Pi luminal-binding protein 3 precur	-10.0509	1.065158	0.58657	1	BH
PITG_02339	Pi 26S proteasome non-ATPase reg	-14.0503	-0.98686	0.586881	1	BH
PITG_06111	Pi conserved hypothetical protein (	-14.0503	-0.98686	0.586881	1	BH
PITG_20173	Pi NADH ubiquinone oxidoreductas	-12.1531	-0.56594	0.58794	1	BH
PITG_09578	Pi vesicle transporter GOT1B-like p	-14.0337	-1.02134	0.588101	1	BH
PITG_20855	Pi conserved hypothetical protein (	-14.0634	-0.96432	0.590539	1	BH
PITG_03226	Pi glutathione S-transferase, putati	-13.2814	-0.7374	0.59174	1	BH
PITG_02786	Pi fructose-bisphosphate aldolase (	-10.9728	1.046292	0.592143	1	BH
PITG_09224	Pi secreted RxLR effector peptide,	-13.6021	1.756797	0.592353	1	BH
PITG_14612	Pi NADH dehydrogenase iron-sulfu	-11.6894	-0.67341	0.592575	1	BH
PITG_05289	Pi conserved hypothetical protein (	-14.0467	-1.00016	0.592971	1	BH
PITG_19932	Pi nicotinate-nucleotide pyrophosp	-14.0409	-1.01187	0.592971	1	BH
PITG_15653	Pi small nuclear ribonucleoprotein	-12.7416	-0.71969	0.595139	1	BH
PITG_13490	Pi urocanase, putative (2405 nt)	-14.0213	-1.05344	0.595398	1	BH
PITG_16833	Pi conserved hypothetical protein (	-14.0353	-1.02549	0.595398	1	BH
PITG_08809	Pi 60S ribosomal protein L12, puta	-10.6	0.986496	0.596539	1	BH
PITG_12727	Pi cysteine synthase (1160 nt)	-12.6945	-0.78455	0.5967	1	BH
PITG_14008	Pi conserved hypothetical protein (	-12.8733	1.306709	0.597796	1	BH
PITG_01227	Pi conserved hypothetical protein (	-14.0244	-1.0523	0.60024	1	BH
PITG_11767	Pi phosphoacetylglucosamine mut	-12.7542	-0.70372	0.600879	1	BH
PITG_12309	Pi conserved hypothetical protein (	-12.6965	-0.78721	0.600988	1	BH
PITG_04487	Pi conserved hypothetical protein (	-12.444	-0.54715	0.608597	1	BH

PITG_09769	Pi hypothetical protein (616 nt)	-11.1305	-0.63467	0.60873	1 BH
PITG_03856	Pi peptidyl-prolyl cis-trans isomera	-11.3438	1.037749	0.609362	1 BH
PITG_13761	Pi protoplast secreted protein 2 pr	-12.6425	1.186569	0.610659	1 BH
PITG_12483	Pi eukaryotic translation initiation	-13.7617	1.336335	0.612268	1 BH
PITG_03589	Pi conserved hypothetical protein (	-12.4315	-0.57942	0.612855	1 BH
PITG_02026	Pi succinyl-CoA ligase subunit alph	-11.8794	1.080687	0.614629	1 BH
PITG_03763	Pi pre-mRNA-splicing factor SF2-lik	-12.4432	-0.56097	0.615676	1 BH
PITG_08702	Pi conserved hypothetical protein (	-13.7131	1.232467	0.615858	1 BH
PITG_02925	Pi ketol-acid reductoisomerase (17	-11.1566	0.947075	0.621549	1 BH
PITG_02293	Pi conserved hypothetical protein (	-14.2321	-0.62197	0.623126	1 BH
PITG_18330	Pi conserved hypothetical protein (	-14.2304	-0.62539	0.623126	1 BH
PITG_01535	Pi myosin-like protein (3890 nt)	-12.7709	-0.6633	0.629431	1 BH
PITG_08025	Pi HECT E3 ubiquitin ligase, putativ	-14.0768	-0.98083	0.630138	1 BH
PITG_14243	Pi glycoside hydrolase, putative (15	-14.7982	2.355573	0.630562	1 BH
PITG_08591	Pi actin-depolymerizing factor, put	-10.0686	0.928183	0.630762	1 BH
PITG_02479	Pi T-complex protein 1 subunit the	-13.3826	1.305676	0.633088	1 BH
PITG_16041	Pi conserved hypothetical protein (	-12.0877	1.026611	0.633855	1 BH
PITG_04726	Pi mitochondrial-processing peptid	-12.416	1.129829	0.635065	1 BH
PITG_18025	Pi fatty acid synthase subunit alph	-13.7947	1.356505	0.636056	1 BH
PITG_06554	Pi cytochrome P450, putative (412	-14.9669	2.67941	0.636848	1 BH
PITG_17543	Pi crinkler (CRN) family protein, ps	-9.61445	-0.74092	0.636966	1 BH
PITG_00733	Pi aspartyl protease family A22B, p	-13.338	-0.55169	0.63704	1 BH
PITG_03033	Pi conserved hypothetical protein (	-11.7137	-0.60431	0.638257	1 BH
PITG_03694	Pi disulfide-isomerase, putative (14	-13.3502	-0.53107	0.639463	1 BH
PITG_16735	Pi conserved hypothetical protein (	-13.3479	-0.5357	0.639463	1 BH
PITG_07258	Pi conserved hypothetical protein (	-14.9633	2.664406	0.64046	1 BH
PITG_18931	Pi hypothetical protein (699 nt)	-8.7712	0.859143	0.640976	1 BH
PITG_05225	Pi 4-aminobutyrate aminotransfer	-13.2442	-0.78159	0.64136	1 BH
PITG_11110	Pi eukaryotic translation initiation	-13.3414	-0.55232	0.641877	1 BH
PITG_06215	Pi conserved hypothetical protein (	-13.3383	-0.56047	0.64308	1 BH
PITG_13919	Pi conserved hypothetical protein (	-9.43331	-0.73069	0.643792	1 BH
PITG_23005	Pi conserved hypothetical protein (	-8.85112	-0.7653	0.644506	1 BH
PITG_07671	Pi NADP-specific glutamate dehydr	-13.3544	1.224518	0.645329	1 BH
PITG_06359	Pi conserved hypothetical protein (	-14.2417	-0.63063	0.646347	1 BH
PITG_14604	Pi hypothetical protein (571 nt)	-11.943	-0.53058	0.646451	1 BH
PITG_03178	Pi 60S ribosomal protein L9 (754 nt)	-9.91236	0.847034	0.646857	1 BH
PITG_02211	Pi UV excision repair protein RAD2	-12.8085	-0.5566	0.647288	1 BH
PITG_01310	Pi peptidyl-prolyl isomerase FKBP1	-12.7808	-0.67591	0.647912	1 BH
PITG_06305	Pi secreted RxLR effector peptide,	-9.23642	0.910773	0.64797	1 BH
PITG_02049	Pi citrate synthase, mitochondrial p	-12.2435	1.072082	0.648103	1 BH
PITG_09445	Pi conserved hypothetical protein (	-10.8273	0.872857	0.6488	1 BH
PITG_19768	Pi conserved hypothetical protein (	-11.9477	-0.53673	0.65453	1 BH
PITG_05871	Pi hypothetical protein (336 nt)	-12.858	1.276155	0.656281	1 BH
PITG_15359	Pi dihydrolipoyl dehydrogenase 1,	-12.8328	1.223199	0.657535	1 BH
PITG_19176	Pi conserved hypothetical protein (	-13.2723	-0.67935	0.660703	1 BH
PITG_23144	Pi Crinkler (CRN) family protein, ps	-11.8128	1.113482	0.661587	1 BH
PITG_02010	Pi conserved hypothetical protein (	-14.0914	-0.90234	0.665306	1 BH

PITG_16855	Pi conserved hypothetical protein (	-14.1266	-0.83301	0.666313	1 BH
PITG_16671	Pi 26S proteasome non-ATPase reg	-14.1152	-0.85578	0.666313	1 BH
PITG_10032	Pi 6-phosphogluconate dehydroge	-10.5334	-0.58495	0.666931	1 BH
PITG_00804	Pi T-complex protein 1 subunit del	-12.7366	1.051528	0.667173	1 BH
PITG_12151	Pi aspartyl-tRNA synthetase, putati	-14.1219	-0.84368	0.667318	1 BH
PITG_07791	Pi conserved hypothetical protein (	-13.2777	-0.67973	0.667643	1 BH
PITG_19495	Pi glyceraldehyde-3-phosphate del	-10.9307	-0.67087	0.667671	1 BH
PITG_01524	Pi RING-box protein 1 (724 nt)	-12.8966	-0.3803	0.668002	1 BH
PITG_20798	Pi ribosomal protein S17, putative	-14.1286	-0.83146	0.668322	1 BH
PITG_01144	Pi conserved hypothetical protein (	-14.1031	-0.88367	0.669325	1 BH
PITG_01788	Pi ubiquitin activating enzyme, E1 f	-14.1454	-0.79907	0.669325	1 BH
PITG_20281	Pi GTP-dependent nucleic acid-bind	-14.0984	-0.89305	0.669325	1 BH
PITG_12746	Pi conserved hypothetical protein (	-14.1107	-0.8709	0.671327	1 BH
PITG_01945	Pi conserved hypothetical protein (	-12.5498	1.065336	0.671696	1 BH
PITG_20490	Pi conserved hypothetical protein (	-14.278	-0.59741	0.675594	1 BH
PITG_10913	Pi conserved hypothetical protein (	-11.6178	-0.46141	0.67696	1 BH
PITG_09521	Pi conserved hypothetical protein (	-14.1171	-0.86697	0.678297	1 BH
PITG_08834	Pi ribosomal protein L37e, putative	-8.95014	-0.66554	0.679389	1 BH
PITG_09699	Pi conserved hypothetical protein (	-10.9924	-0.48846	0.681841	1 BH
PITG_01477	Pi myosin-like protein (5007 nt)	-14.1091	-0.88794	0.682255	1 BH
PITG_07269	Pi 60S ribosomal protein L7 (1385 r	-9.61128	0.755021	0.683254	1 BH
PITG_19023	Pi NADH-cytochrome b5 reductase	-12.4513	-0.53251	0.683559	1 BH
PITG_01248	Pi polyadenylate-binding protein 1	-11.1437	0.787947	0.68509	1 BH
PITG_13832	Pi delta-aminolevulinic acid dehydr	-13.9106	1.634293	0.688162	1 BH
PITG_14278	Pi eukaryotic translation initiation	-14.129	-0.85604	0.688162	1 BH
PITG_03294	Pi 60S ribosomal protein L6, putati	-10.2576	0.773443	0.688195	1 BH
PITG_00631	Pi conserved hypothetical protein (	-9.06758	-0.6873	0.689506	1 BH
PITG_20989	Pi conserved hypothetical protein (	-13.8555	1.519391	0.690123	1 BH
PITG_00443	Pi 40S ribosomal protein S6 (1247 r	-8.84208	0.738048	0.691625	1 BH
PITG_09874	Pi conserved hypothetical protein (	-14.4544	1.669865	0.693266	1 BH
PITG_01862	Pi glucose-6-phosphate isomerase	-12.1265	0.845688	0.693628	1 BH
PITG_09939	Pi conserved hypothetical protein (	-13.4033	-0.41925	0.693908	1 BH
PITG_15449	Pi branched-chain-amino-acid amir	-12.0088	0.878827	0.69422	1 BH
PITG_05254	Pi conserved hypothetical protein (	-14.5061	1.769471	0.69494	1 BH
PITG_22951	Pi similar to sea slug pheromone (2	-14.5372	1.829698	0.695777	1 BH
PITG_06482	Pi eukaryotic translation initiation	-14.5074	1.766291	0.697451	1 BH
PITG_09627	Pi ribosomal protein L23, putative	-13.3804	-0.47258	0.698044	1 BH
PITG_12300	Pi phosphoribosylglycinamide synt	-14.563	1.871711	0.699963	1 BH
PITG_01062	Pi S-adenosylmethionine decarbox	-14.5096	1.762849	0.7008	1 BH
PITG_09451	Pi conserved hypothetical protein (	-12.532	-0.37364	0.703086	1 BH
PITG_04906	Pi glutaredoxin (479 nt)	-10.0703	-0.55177	0.70315	1 BH
PITG_01237	Pi conserved hypothetical protein (	-14.0187	-1.05506	0.705412	1 BH
PITG_01255	Pi eukaryotic translation initiation	-14.0118	-1.06881	0.705412	1 BH
PITG_00293	Pi conserved hypothetical protein (	-13.3933	-0.46198	0.706216	1 BH
PITG_01752	Pi transketolase (2256 nt)	-11.7373	0.969236	0.707583	1 BH
PITG_18414	Pi phosphoglucomutase (3392 nt)	-11.5417	0.927704	0.707837	1 BH
PITG_00503	Pi Rab32 family GTPase, putative (}	-14.0076	-1.08085	0.708228	1 BH

PITG_03486	Pi conserved hypothetical protein (	-9.62949	-0.65263	0.708257	1 BH
PITG_08346	Pi carbohydrate-binding protein, pi	-13.271	1.099617	0.709247	1 BH
PITG_04385	Pi putative GPI-anchored acidic ser	-14.5168	1.755635	0.710021	1 BH
PITG_11462	Pi conserved hypothetical protein (	-13.2906	1.13142	0.712262	1 BH
PITG_03897	Pi conserved hypothetical protein (	-12.9342	-0.30517	0.712722	1 BH
PITG_01951	Pi conserved hypothetical protein (	-32.5821	-34.868	0.712943	1 BH
PITG_06764	Pi phosphatidylinositol transfer pro	-32.5821	-34.868	0.712943	1 BH
PITG_08654	Pi conserved hypothetical protein (	-32.5821	-34.868	0.712943	1 BH
PITG_10163	Pi conserved hypothetical protein (	-32.5821	-34.868	0.712943	1 BH
PITG_10993	Pi CASP-like protein (2332 nt)	-32.5821	-34.868	0.712943	1 BH
PITG_12152	Pi ribonuclease HII (837 nt)	-32.5821	-34.868	0.712943	1 BH
PITG_14979	Pi palmitoyltransferase, putative (1	-32.5821	-34.868	0.712943	1 BH
PITG_15016	Pi conserved hypothetical protein (	-32.5821	-34.868	0.712943	1 BH
PITG_15164	Pi conserved hypothetical protein (	-32.5823	-34.8675	0.712943	1 BH
PITG_19419	Pi conserved hypothetical protein (	-32.5823	-34.8675	0.712943	1 BH
PITG_20385	Pi 3-oxo-5-alpha-steroid 4-dehydra	-32.5823	-34.8675	0.712943	1 BH
PITG_18712	Pi conserved hypothetical protein (	-14.2088	0.791283	0.713396	1 BH
PITG_00048	Pi conserved hypothetical protein (	-32.7043	-34.6235	0.713479	1 BH
PITG_00734	Pi conserved hypothetical protein (	-32.7317	-34.5686	0.713479	1 BH
PITG_00743	Pi N-acetylglucosamine-1-phospho	-32.7317	-34.5686	0.713479	1 BH
PITG_01020	Pi conserved hypothetical protein (	-32.6526	-34.7269	0.713479	1 BH
PITG_01123	Pi conserved hypothetical protein (	-32.6526	-34.7269	0.713479	1 BH
PITG_01201	Pi ATP-dependent DNA helicase, pi	-32.7317	-34.5686	0.713479	1 BH
PITG_01514	Pi protoporphyrinogen oxidase, pu	-32.7317	-34.5686	0.713479	1 BH
PITG_01935	Pi hypothetical protein (553 nt)	-32.7317	-34.5686	0.713479	1 BH
PITG_02198	Pi homoserine kinase, putative (12	-32.6057	-34.8207	0.713479	1 BH
PITG_02245	Pi D-2-hydroxyglutarate dehydroge	-32.7317	-34.5686	0.713479	1 BH
PITG_02655	Pi conserved hypothetical protein (	-32.7043	-34.6235	0.713479	1 BH
PITG_02744	Pi conserved hypothetical protein (	-32.7043	-34.6235	0.713479	1 BH
PITG_03143	Pi indigoidine synthase A family pro	-32.6292	-34.7737	0.713479	1 BH
PITG_03149	Pi conserved hypothetical protein (	-32.7317	-34.5686	0.713479	1 BH
PITG_03242	Pi conserved hypothetical protein (	-32.6526	-34.7269	0.713479	1 BH
PITG_03300	Pi U4/U6 small nuclear ribonucleop	-32.7043	-34.6235	0.713479	1 BH
PITG_03399	Pi histidyl-tRNA synthetase, putativ	-32.6526	-34.7269	0.713479	1 BH
PITG_03499	Pi phosphopantothenoylecysteine d	-32.7043	-34.6235	0.713479	1 BH
PITG_03767	Pi conserved hypothetical protein (	-32.7043	-34.6235	0.713479	1 BH
PITG_03826	Pi conserved hypothetical protein (	-32.6526	-34.7269	0.713479	1 BH
PITG_03927	Pi conserved hypothetical protein (	-32.7317	-34.5686	0.713479	1 BH
PITG_03965	Pi transmembrane protein, putativ	-32.6292	-34.7737	0.713479	1 BH
PITG_03972	Pi acetyltransferase (GNAT) family,	-32.7317	-34.5686	0.713479	1 BH
PITG_04310	Pi hypothetical protein (484 nt)	-32.7054	-34.6213	0.713479	1 BH
PITG_04336	Pi conserved hypothetical protein (	-32.7317	-34.5686	0.713479	1 BH
PITG_04479	Pi conserved hypothetical protein (	-32.7054	-34.6213	0.713479	1 BH
PITG_04643	Pi conserved hypothetical protein (	-32.7054	-34.6213	0.713479	1 BH
PITG_04717	Pi conserved hypothetical protein (	-32.6526	-34.7269	0.713479	1 BH
PITG_05221	Pi Mitochondrial Carrier (MC) Fami	-32.7043	-34.6235	0.713479	1 BH
PITG_05512	Pi conserved hypothetical protein (	-32.7317	-34.5686	0.713479	1 BH

PITG_07083	Pi ubiquitin thioesterase OTU1-like	-32.6057	-34.8207	0.713479	1 BH
PITG_07312	Pi TATA-box-binding protein (1101	-32.6526	-34.7269	0.713479	1 BH
PITG_08037	Pi conserved hypothetical protein (	-32.6526	-34.7269	0.713479	1 BH
PITG_08303	Pi conserved hypothetical protein (	-32.6292	-34.7737	0.713479	1 BH
PITG_08364	Pi conserved hypothetical protein (	-32.6526	-34.7269	0.713479	1 BH
PITG_09726	Pi phosphoribosylaminoimidazole (	-32.7054	-34.6213	0.713479	1 BH
PITG_10040	Pi conserved hypothetical protein (	-32.6526	-34.7269	0.713479	1 BH
PITG_10145	Pi conserved hypothetical protein (	-32.7317	-34.5686	0.713479	1 BH
PITG_10595	Pi delta-1-pyrroline-5-carboxylate (	-32.6526	-34.7269	0.713479	1 BH
PITG_11491	Pi hypothetical protein (800 nt)	-32.6526	-34.7269	0.713479	1 BH
PITG_11530	Pi conserved hypothetical protein (	-32.7054	-34.6213	0.713479	1 BH
PITG_11585	Pi conserved hypothetical protein (	-32.7317	-34.5686	0.713479	1 BH
PITG_11700	Pi conserved hypothetical protein (	-32.7317	-34.5686	0.713479	1 BH
PITG_12048	Pi M96 mating-specific protein far	-32.6526	-34.7269	0.713479	1 BH
PITG_12230	Pi phosphatidic acid phosphatase (	-32.7054	-34.6213	0.713479	1 BH
PITG_12297	Pi conserved hypothetical protein (	-32.6526	-34.7269	0.713479	1 BH
PITG_12675	Pi sedoheptulokinase, putative (54	-32.6057	-34.8207	0.713479	1 BH
PITG_12876	Pi RNA-binding protein, putative (9	-32.7317	-34.5686	0.713479	1 BH
PITG_12883	Pi conserved hypothetical protein (	-32.6292	-34.7737	0.713479	1 BH
PITG_13416	Pi ubiquinone biosynthesis protein	-32.7043	-34.6235	0.713479	1 BH
PITG_13625	Pi conserved hypothetical protein (	-32.6526	-34.7269	0.713479	1 BH
PITG_13771	Pi conserved hypothetical protein (	-32.7054	-34.6213	0.713479	1 BH
PITG_14099	Pi conserved hypothetical protein (	-32.6526	-34.7269	0.713479	1 BH
PITG_14129	Pi hypothetical protein (710 nt)	-32.6526	-34.7269	0.713479	1 BH
PITG_14441	Pi cytoskeleton-associated protein,	-32.6526	-34.7269	0.713479	1 BH
PITG_14566	Pi lariat debranching enzyme B (15	-32.7054	-34.6213	0.713479	1 BH
PITG_17652	Pi conserved hypothetical protein (	-32.6292	-34.7737	0.713479	1 BH
PITG_18236	Pi conserved hypothetical protein (	-32.7054	-34.6213	0.713479	1 BH
PITG_18693	Pi hypothetical protein (1064 nt)	-32.6292	-34.7737	0.713479	1 BH
PITG_19182	Pi DNA cross-link repair protein, pu	-32.7317	-34.5686	0.713479	1 BH
PITG_19242	Pi conserved hypothetical protein (	-32.6526	-34.7269	0.713479	1 BH
PITG_19605	Pi conserved hypothetical protein (	-32.7317	-34.5686	0.713479	1 BH
PITG_19916	Pi conserved hypothetical protein (	-32.6526	-34.7269	0.713479	1 BH
PITG_20040	Pi conserved hypothetical protein (	-32.7043	-34.6235	0.713479	1 BH
PITG_20893	Pi conserved hypothetical protein (	-32.7317	-34.5686	0.713479	1 BH
PITG_21509	Pi conserved hypothetical protein (	-32.7043	-34.6235	0.713479	1 BH
PITG_00220	Pi general transcription factor IIH s	-32.6788	-34.6745	0.713479	1 BH
PITG_00409	Pi rho GDP-dissociation inhibitor (8	-32.6282	-34.7757	0.713479	1 BH
PITG_00416	Pi calcium-dependent protein kina	-32.605	-34.8221	0.713479	1 BH
PITG_00441	Pi conserved hypothetical protein (	-32.5819	-34.8684	0.713479	1 BH
PITG_00554	Pi conserved hypothetical protein (	-32.654	-34.7242	0.713479	1 BH
PITG_00571	Pi bifunctional purine biosynthesis	-32.678	-34.6762	0.713479	1 BH
PITG_00590	Pi conserved hypothetical protein (	-32.6282	-34.7757	0.713479	1 BH
PITG_00883	Pi hypothetical protein (455 nt)	-32.6054	-34.8214	0.713479	1 BH
PITG_00990	Pi conserved hypothetical protein (	-32.605	-34.8221	0.713479	1 BH
PITG_01257	Pi nucleoporin NUP85-like protein	-32.654	-34.7242	0.713479	1 BH
PITG_01317	Pi conserved hypothetical protein (	-32.678	-34.6762	0.713479	1 BH

PITG_01439	Pi conserved hypothetical protein (	-32.6046	-34.8228	0.713479	1 BH
PITG_01711	Pi anthranilate synthase componer	-32.6788	-34.6745	0.713479	1 BH
PITG_01961	Pi DCN1-like protein (1100 nt)	-32.6533	-34.7255	0.713479	1 BH
PITG_02135	Pi conserved hypothetical protein (	-32.6287	-34.7747	0.713479	1 BH
PITG_02380	Pi C2 domain-containing protein, p	-32.5819	-34.8684	0.713479	1 BH
PITG_02397	Pi conserved hypothetical protein (	-32.6046	-34.8228	0.713479	1 BH
PITG_02482	Pi ATP-dependent RNA helicase Df	-32.654	-34.7242	0.713479	1 BH
PITG_02571	Pi conserved hypothetical protein (	-32.5819	-34.8684	0.713479	1 BH
PITG_02940	Pi phosphoglycerate mutase family	-32.654	-34.7242	0.713479	1 BH
PITG_02945	Pi conserved hypothetical protein (	-32.6282	-34.7757	0.713479	1 BH
PITG_03025	Pi hypothetical protein (891 nt)	-32.5819	-34.8684	0.713479	1 BH
PITG_03027	Pi UDP-N-acetylhexosamine pyropl	-32.6788	-34.6745	0.713479	1 BH
PITG_03276	Pi U4/U6.U5 tri-snRNP-associated	-32.6054	-34.8214	0.713479	1 BH
PITG_03329	Pi conserved hypothetical protein (	-32.6046	-34.8228	0.713479	1 BH
PITG_03397	Pi conserved hypothetical protein (	-32.6282	-34.7757	0.713479	1 BH
PITG_03469	Pi conserved hypothetical protein (	-32.6287	-34.7747	0.713479	1 BH
PITG_03604	Pi conserved hypothetical protein (	-32.6046	-34.8228	0.713479	1 BH
PITG_03702	Pi conserved hypothetical protein (	-32.6287	-34.7747	0.713479	1 BH
PITG_04022	Pi conserved hypothetical protein (	-32.605	-34.8221	0.713479	1 BH
PITG_04576	Pi conserved hypothetical protein (	-32.6533	-34.7255	0.713479	1 BH
PITG_04956	Pi conserved hypothetical protein (	-32.6287	-34.7747	0.713479	1 BH
PITG_05008	Pi conserved hypothetical protein (	-32.6788	-34.6745	0.713479	1 BH
PITG_05114	Pi aspartyl protease family A01A, p	-32.678	-34.6762	0.713479	1 BH
PITG_05244	Pi conserved hypothetical protein (	-32.6046	-34.8228	0.713479	1 BH
PITG_05566	Pi conserved hypothetical protein (	-32.6287	-34.7747	0.713479	1 BH
PITG_05600	Pi metalloprotease family M67C, p	-32.6533	-34.7255	0.713479	1 BH
PITG_05742	Pi RWP-RK domain-containing prot	-32.6046	-34.8228	0.713479	1 BH
PITG_05825	Pi conserved hypothetical protein (	-32.678	-34.6762	0.713479	1 BH
PITG_06238	Pi conserved hypothetical protein (	-32.5825	-34.867	0.713479	1 BH
PITG_06351	Pi U2 snRNP component IST3 (813	-32.678	-34.6762	0.713479	1 BH
PITG_06426	Pi conserved hypothetical protein (	-32.5819	-34.8684	0.713479	1 BH
PITG_06593	Pi conserved hypothetical protein (	-32.6282	-34.7757	0.713479	1 BH
PITG_06898	Pi conserved hypothetical protein (	-32.5825	-34.867	0.713479	1 BH
PITG_06942	Pi conserved hypothetical protein (	-32.6282	-34.7757	0.713479	1 BH
PITG_06982	Pi short chain dehydrogenase, puta	-32.678	-34.6762	0.713479	1 BH
PITG_07699	Pi cytochrome P450, putative (159	-32.6788	-34.6745	0.713479	1 BH
PITG_08048	Pi conserved hypothetical protein (	-32.6282	-34.7757	0.713479	1 BH
PITG_08396	Pi conserved hypothetical protein (	-32.6046	-34.8228	0.713479	1 BH
PITG_08553	Pi calcium/calmodulin dependent	-32.6788	-34.6745	0.713479	1 BH
PITG_08581	Pi serine racemase, putative (1456	-32.5819	-34.8684	0.713479	1 BH
PITG_08589	Pi hypothetical protein (1624 nt)	-32.654	-34.7242	0.713479	1 BH
PITG_09040	Pi conserved hypothetical protein (	-32.6788	-34.6745	0.713479	1 BH
PITG_09244	Pi conserved hypothetical protein (	-32.6282	-34.7757	0.713479	1 BH
PITG_09297	Pi conserved hypothetical protein (	-32.6287	-34.7747	0.713479	1 BH
PITG_09386	Pi aquaporin, putative (825 nt)	-32.6533	-34.7255	0.713479	1 BH
PITG_09644	Pi conserved hypothetical protein (	-32.6533	-34.7255	0.713479	1 BH
PITG_09679	Pi conserved hypothetical protein (	-32.6533	-34.7255	0.713479	1 BH



PITG_09707	Pi mitochondrial import inner men	-32.6054	-34.8214	0.713479	1	BH
PITG_10011	Pi polyketide hydroxylase, putative	-32.6054	-34.8214	0.713479	1	BH
PITG_10429	Pi SCP-like extracellular protein (69	-32.605	-34.8221	0.713479	1	BH
PITG_10481	Pi conserved hypothetical protein (	-32.678	-34.6762	0.713479	1	BH
PITG_10534	Pi conserved hypothetical protein (	-32.5819	-34.8684	0.713479	1	BH
PITG_10931	Pi conserved hypothetical protein (	-32.605	-34.8221	0.713479	1	BH
PITG_10950	Pi conserved hypothetical protein (	-32.6533	-34.7255	0.713479	1	BH
PITG_11291	Pi conserved hypothetical protein (	-32.6788	-34.6745	0.713479	1	BH
PITG_11437	Pi axonemal dynein heavy chain (1	-32.678	-34.6762	0.713479	1	BH
PITG_11445	Pi sepiapterin reductase, putative (	-32.6282	-34.7757	0.713479	1	BH
PITG_11485	Pi conserved hypothetical protein (	-32.6788	-34.6745	0.713479	1	BH
PITG_11540	Pi conserved hypothetical protein (	-32.654	-34.7242	0.713479	1	BH
PITG_11587	Pi inositol-3,4-bisphosphate 4-pho	-32.6046	-34.8228	0.713479	1	BH
PITG_12149	Pi conserved hypothetical protein (	-32.6788	-34.6745	0.713479	1	BH
PITG_12478	Pi conserved hypothetical protein (	-32.678	-34.6762	0.713479	1	BH
PITG_12530	Pi conserved hypothetical protein (	-32.6046	-34.8228	0.713479	1	BH
PITG_12678	Pi ribosome production factor 1, pi	-32.6788	-34.6745	0.713479	1	BH
PITG_13202	Pi zinc transporter, putative (1965	-32.6282	-34.7757	0.713479	1	BH
PITG_13283	Pi ATP-binding Cassette (ABC) supe	-32.678	-34.6762	0.713479	1	BH
PITG_13399	Pi asparagine synthetase (1788 nt)	-32.5825	-34.867	0.713479	1	BH
PITG_13523	Pi conserved hypothetical protein (	-32.605	-34.8221	0.713479	1	BH
PITG_13806	Pi conserved hypothetical protein (	-32.6287	-34.7747	0.713479	1	BH
PITG_14066	Pi CUG-BP- and ETR-3-like factor, p	-32.678	-34.6762	0.713479	1	BH
PITG_14197	Pi conserved hypothetical protein (	-32.5819	-34.8684	0.713479	1	BH
PITG_14379	Pi conserved hypothetical protein (	-32.654	-34.7242	0.713479	1	BH
PITG_14562	Pi conserved hypothetical protein (	-32.6788	-34.6745	0.713479	1	BH
PITG_14568	Pi conserved hypothetical protein (	-32.5819	-34.8684	0.713479	1	BH
PITG_14603	Pi carbohydrate-binding protein, pi	-32.5825	-34.867	0.713479	1	BH
PITG_16227	Pi conserved hypothetical protein (	-32.5825	-34.867	0.713479	1	BH
PITG_16298	Pi conserved hypothetical protein (	-32.6282	-34.7757	0.713479	1	BH
PITG_16770	Pi conserved hypothetical protein (	-32.654	-34.7242	0.713479	1	BH
PITG_16936	Pi conserved hypothetical protein (	-32.678	-34.6762	0.713479	1	BH
PITG_16976	Pi conserved hypothetical protein (	-32.5825	-34.867	0.713479	1	BH
PITG_17023	Pi phosphoglycerate/bisphosphogl	-32.605	-34.8221	0.713479	1	BH
PITG_17077	Pi conserved hypothetical protein (	-32.6282	-34.7757	0.713479	1	BH
PITG_17081	Pi Voltage-gated Ion Channel (VIC)	-32.678	-34.6762	0.713479	1	BH
PITG_17165	Pi peptidyl-prolyl cis-trans isomera	-32.678	-34.6762	0.713479	1	BH
PITG_17361	Pi mitogen-activated protein kinas	-32.654	-34.7242	0.713479	1	BH
PITG_17461	Pi Rab11 family GTPase, putative (:	-32.6788	-34.6745	0.713479	1	BH
PITG_17784	Pi conserved hypothetical protein (	-32.6054	-34.8214	0.713479	1	BH
PITG_17883	Pi condensin complex subunit 3, pt	-32.605	-34.8221	0.713479	1	BH
PITG_17997	Pi conserved hypothetical protein (	-32.6533	-34.7255	0.713479	1	BH
PITG_18151	Pi conserved hypothetical protein (	-32.6533	-34.7255	0.713479	1	BH
PITG_18245	Pi conserved hypothetical protein (	-32.678	-34.6762	0.713479	1	BH
PITG_18248	Pi acetate kinase (1405 nt)	-32.6282	-34.7757	0.713479	1	BH
PITG_18671	Pi ATP-binding Cassette (ABC) Supe	-32.6054	-34.8214	0.713479	1	BH
PITG_18980	Pi hypothetical protein (3407 nt)	-32.5819	-34.8684	0.713479	1	BH

PITG_19283	Pi conserved hypothetical protein (	-32.6282	-34.7757	0.713479	1 BH
PITG_19286	Pi Major Facilitator Superfamily (M	-32.654	-34.7242	0.713479	1 BH
PITG_19310	Pi conserved hypothetical protein (	-32.6788	-34.6745	0.713479	1 BH
PITG_19470	Pi conserved hypothetical protein (	-32.678	-34.6762	0.713479	1 BH
PITG_19791	Pi conserved hypothetical protein (	-32.654	-34.7242	0.713479	1 BH
PITG_19965	Pi conserved hypothetical protein (	-32.6287	-34.7747	0.713479	1 BH
PITG_21579	Pi adenylate kinase, putative (768	-32.5825	-34.867	0.713479	1 BH
PITG_22618	Pi conserved hypothetical protein (	-32.654	-34.7242	0.713479	1 BH
PITG_22688	Pi trans-aconitate 2-methyltransfer	-32.5825	-34.867	0.713479	1 BH
PITG_22828	Pi secreted RxLR effector peptide,	-32.5819	-34.8684	0.713479	1 BH
PITG_00496	Pi 3'5'-cyclic nucleotide phosphodi	-32.7619	-34.5083	0.714017	1 BH
PITG_00589	Pi conserved hypothetical protein (	-32.733	-34.5661	0.714017	1 BH
PITG_00670	Pi conserved hypothetical protein (	-32.733	-34.5661	0.714017	1 BH
PITG_00961	Pi conserved hypothetical protein (	-32.6772	-34.6777	0.714017	1 BH
PITG_01044	Pi DNA repair protein RAD50, puta	-32.6772	-34.6777	0.714017	1 BH
PITG_01483	Pi conserved hypothetical protein (	-32.6772	-34.6777	0.714017	1 BH
PITG_01774	Pi conserved hypothetical protein (	-32.7305	-34.5711	0.714017	1 BH
PITG_02585	Pi conserved hypothetical protein (	-32.6297	-34.7728	0.714017	1 BH
PITG_03446	Pi conserved hypothetical protein (	-32.6772	-34.6777	0.714017	1 BH
PITG_03522	Pi GPI-anchor transamidase, putati	-32.7305	-34.5711	0.714017	1 BH
PITG_05187	Pi sulfatase-like protein (3390 nt)	-32.7305	-34.5711	0.714017	1 BH
PITG_05261	Pi conserved hypothetical protein (	-32.7619	-34.5083	0.714017	1 BH
PITG_05377	Pi methylenetetrahydrofolate redu	-32.733	-34.5661	0.714017	1 BH
PITG_05396	Pi hypothetical protein (768 nt)	-32.6772	-34.6777	0.714017	1 BH
PITG_05692	Pi histone-lysine N-methyltransfera	-32.7305	-34.5711	0.714017	1 BH
PITG_05991	Pi FKBP-type peptidyl-prolyl cis-tra	-32.6297	-34.7728	0.714017	1 BH
PITG_06894	Pi O-sialoglycoprotein endopeptida	-32.6772	-34.6777	0.714017	1 BH
PITG_07080	Pi conserved hypothetical protein (	-32.6772	-34.6777	0.714017	1 BH
PITG_07891	Pi conserved hypothetical protein (	-32.7305	-34.5711	0.714017	1 BH
PITG_08393	Pi conserved hypothetical protein (	-32.733	-34.5661	0.714017	1 BH
PITG_08430	Pi conserved hypothetical protein (	-32.6772	-34.6777	0.714017	1 BH
PITG_08663	Pi plectin-like protein (3035 nt)	-32.7305	-34.5711	0.714017	1 BH
PITG_09366	Pi conserved hypothetical protein (	-32.7305	-34.5711	0.714017	1 BH
PITG_10832	Pi protein recA (1647 nt)	-32.7305	-34.5711	0.714017	1 BH
PITG_11170	Pi histone-binding protein RBBP4 (	-32.7305	-34.5711	0.714017	1 BH
PITG_11254	Pi exocyst complex component, pu	-32.7305	-34.5711	0.714017	1 BH
PITG_11417	Pi U4/U6.U5 small nuclear ribonuc	-32.733	-34.5661	0.714017	1 BH
PITG_12257	Pi conserved hypothetical protein (	-32.7305	-34.5711	0.714017	1 BH
PITG_12529	Pi conserved hypothetical protein (	-32.6772	-34.6777	0.714017	1 BH
PITG_12958	Pi conserved hypothetical protein (	-32.733	-34.5661	0.714017	1 BH
PITG_13016	Pi pescadillo-like protein (1896 nt)	-32.6772	-34.6777	0.714017	1 BH
PITG_13188	Pi conserved hypothetical protein (	-32.6297	-34.7728	0.714017	1 BH
PITG_14533	Pi conserved hypothetical protein (	-32.7305	-34.5711	0.714017	1 BH
PITG_14616	Pi conserved hypothetical protein (	-32.6772	-34.6777	0.714017	1 BH
PITG_16072	Pi conserved hypothetical protein (	-32.733	-34.5661	0.714017	1 BH
PITG_16937	Pi foflylpolyglutamate synthase, pu	-32.7305	-34.5711	0.714017	1 BH
PITG_17430	Pi conserved hypothetical protein (	-32.733	-34.5661	0.714017	1 BH

PITG_17684	Pi conserved hypothetical protein (	-32.7305	-34.5711	0.714017	1 BH
PITG_17788	Pi coiled-coil domain-containing pr	-32.733	-34.5661	0.714017	1 BH
PITG_18007	Pi CDP-alcohol phosphatidyltransfe	-32.7305	-34.5711	0.714017	1 BH
PITG_18027	Pi histone acetyltransferase, putati	-32.6772	-34.6777	0.714017	1 BH
PITG_18237	Pi replication factor C subunit 2 (99	-32.7305	-34.5711	0.714017	1 BH
PITG_18416	Pi conserved hypothetical protein (	-32.6772	-34.6777	0.714017	1 BH
PITG_18574	Pi conserved hypothetical protein (	-32.7305	-34.5711	0.714017	1 BH
PITG_19145	Pi conserved hypothetical protein (	-32.7619	-34.5083	0.714017	1 BH
PITG_19445	Pi serine protease family S08A, put	-32.7305	-34.5711	0.714017	1 BH
PITG_20528	Pi conserved hypothetical protein (	-32.6772	-34.6777	0.714017	1 BH
PITG_22486	Pi conserved hypothetical protein (	-32.7305	-34.5711	0.714017	1 BH
PITG_23128	Pi katanin p80 subunit (2680 nt)	-32.6772	-34.6777	0.714017	1 BH
PITG_00452	Pi xylulose kinase, putative (1677 r	-32.7064	-34.6193	0.714017	1 BH
PITG_00687	Pi serine protease family S09X, put	-32.7033	-34.6255	0.714017	1 BH
PITG_01075	Pi conserved hypothetical protein (	-32.5827	-34.8667	0.714017	1 BH
PITG_02220	Pi hypothetical protein (1581 nt)	-32.7033	-34.6255	0.714017	1 BH
PITG_03034	Pi cleavage induced conserved hyp	-32.7064	-34.6193	0.714017	1 BH
PITG_03330	Pi conserved hypothetical protein (	-32.7033	-34.6255	0.714017	1 BH
PITG_03827	Pi conserved hypothetical protein (	-32.7033	-34.6255	0.714017	1 BH
PITG_03937	Pi conserved hypothetical protein (	-32.6796	-34.6728	0.714017	1 BH
PITG_04569	Pi conserved hypothetical protein (	-32.7064	-34.6193	0.714017	1 BH
PITG_04856	Pi Crinkler (CRN) family protein (25	-32.5827	-34.8667	0.714017	1 BH
PITG_06740	Pi conserved hypothetical protein (	-32.7064	-34.6193	0.714017	1 BH
PITG_08406	Pi conserved hypothetical protein (	-32.6796	-34.6728	0.714017	1 BH
PITG_08584	Pi conserved hypothetical protein (	-32.7033	-34.6255	0.714017	1 BH
PITG_10082	Pi conserved hypothetical protein (	-32.7064	-34.6193	0.714017	1 BH
PITG_11272	Pi histone demethylase, putative (t	-32.7033	-34.6255	0.714017	1 BH
PITG_11444	Pi conserved hypothetical protein (	-32.6796	-34.6728	0.714017	1 BH
PITG_12275	Pi conserved hypothetical protein (	-32.7064	-34.6193	0.714017	1 BH
PITG_13746	Pi hypothetical protein (936 nt)	-32.7064	-34.6193	0.714017	1 BH
PITG_14852	Pi lipoic acid synthetase, mitochon	-32.7033	-34.6255	0.714017	1 BH
PITG_15022	Pi conserved hypothetical protein (	-32.7033	-34.6255	0.714017	1 BH
PITG_15385	Pi hypothetical protein (354 nt)	-32.7064	-34.6193	0.714017	1 BH
PITG_15417	Pi asparagine synthetase domain-c	-32.7064	-34.6193	0.714017	1 BH
PITG_15569	Pi calpain-like protease (2958 nt)	-32.6796	-34.6728	0.714017	1 BH
PITG_16053	Pi conserved hypothetical protein (	-32.7033	-34.6255	0.714017	1 BH
PITG_16271	Pi M96 mating-specific protein farr	-32.7033	-34.6255	0.714017	1 BH
PITG_16479	Pi putative alpha mannosyltransfer	-32.5827	-34.8667	0.714017	1 BH
PITG_16975	Pi hypothetical protein (491 nt)	-32.7033	-34.6255	0.714017	1 BH
PITG_17040	Pi cellulose binding elicitor lectin, p	-32.7064	-34.6193	0.714017	1 BH
PITG_17767	Pi conserved hypothetical protein (	-32.6796	-34.6728	0.714017	1 BH
PITG_18542	Pi conserved hypothetical protein (	-32.7033	-34.6255	0.714017	1 BH
PITG_19603	Pi conserved hypothetical protein (	-32.7033	-34.6255	0.714017	1 BH
PITG_20966	Pi hypothetical protein (1577 nt)	-32.6796	-34.6728	0.714017	1 BH
PITG_22241	Pi conserved hypothetical protein (	-32.6796	-34.6728	0.714017	1 BH
PITG_22358	Pi conserved hypothetical protein (	-32.7064	-34.6193	0.714017	1 BH
PITG_23304	Pi hypothetical protein (2835 nt)	-32.7033	-34.6255	0.714017	1 BH

PITG_00291	Pi scavenger mRNA-decapping enz'	-32.6521	-34.7279	0.714555	1 BH
PITG_00501	Pi conserved hypothetical protein (	-32.6804	-34.6713	0.714555	1 BH
PITG_00980	Pi nuclear cap-binding protein subu	-32.5818	-34.8685	0.714555	1 BH
PITG_01003	Pi conserved hypothetical protein (	-32.6044	-34.8232	0.714555	1 BH
PITG_01108	Pi conserved hypothetical protein (	-32.6279	-34.7764	0.714555	1 BH
PITG_01314	Pi ubiquitin-specific protease, puta	-32.6279	-34.7764	0.714555	1 BH
PITG_01340	Pi conserved hypothetical protein (	-32.6044	-34.8232	0.714555	1 BH
PITG_01639	Pi Small Conductance Mechanosen	-32.6044	-34.8232	0.714555	1 BH
PITG_01754	Pi conserved hypothetical protein (	-32.5818	-34.8685	0.714555	1 BH
PITG_01858	Pi Der1-like family, putative (1184	-32.7342	-34.5637	0.714555	1 BH
PITG_01949	Pi glycosyl hydrolase, putative (220	-32.6521	-34.7279	0.714555	1 BH
PITG_01992	Pi conserved hypothetical protein (	-32.6279	-34.7764	0.714555	1 BH
PITG_02040	Pi deoxyribonuclease TATDN1-like	-32.6044	-34.8232	0.714555	1 BH
PITG_02850	Pi conserved hypothetical protein (	-32.6279	-34.7764	0.714555	1 BH
PITG_03710	Pi strumpellin, putative (3760 nt)	-32.6044	-34.8232	0.714555	1 BH
PITG_03769	Pi hypothetical protein (713 nt)	-32.7342	-34.5637	0.714555	1 BH
PITG_03902	Pi conserved hypothetical protein (	-32.6521	-34.7279	0.714555	1 BH
PITG_03909	Pi thioredoxin-like protein (2815 nt)	-32.6044	-34.8232	0.714555	1 BH
PITG_03993	Pi eukaryotic translation initiation	-32.6279	-34.7764	0.714555	1 BH
PITG_04038	Pi conserved hypothetical protein (	-32.6521	-34.7279	0.714555	1 BH
PITG_04705	Pi conserved hypothetical protein (	-32.6044	-34.8232	0.714555	1 BH
PITG_05194	Pi conserved hypothetical protein (	-32.6545	-34.7231	0.714555	1 BH
PITG_05291	Pi Animal Inward Rectifier K Chanr	-32.6279	-34.7764	0.714555	1 BH
PITG_05298	Pi conserved hypothetical protein (	-32.5818	-34.8685	0.714555	1 BH
PITG_05487	Pi cyclin-dependent kinase, putativ	-32.6804	-34.6713	0.714555	1 BH
PITG_05509	Pi conserved hypothetical protein (	-32.6279	-34.7764	0.714555	1 BH
PITG_05550	Pi conserved hypothetical protein (	-32.6545	-34.7231	0.714555	1 BH
PITG_07234	Pi ligatin, putative (1807 nt)	-32.6279	-34.7764	0.714555	1 BH
PITG_08052	Pi conserved hypothetical protein (	-32.6044	-34.8232	0.714555	1 BH
PITG_08917	Pi conserved hypothetical protein (	-32.6044	-34.8232	0.714555	1 BH
PITG_09028	Pi conserved hypothetical protein (	-32.6521	-34.7279	0.714555	1 BH
PITG_09166	Pi conserved hypothetical protein (	-32.6059	-34.8203	0.714555	1 BH
PITG_09487	Pi conserved hypothetical protein (	-32.6521	-34.7279	0.714555	1 BH
PITG_09564	Pi vacuolar protein sorting-associat	-32.6044	-34.8232	0.714555	1 BH
PITG_09817	Pi ribose-phosphate pyrophosphok	-32.7342	-34.5637	0.714555	1 BH
PITG_09932	Pi translation initiation factor eIF-2	-32.6044	-34.8232	0.714555	1 BH
PITG_09986	Pi conserved hypothetical protein (	-32.5818	-34.8685	0.714555	1 BH
PITG_10039	Pi conserved hypothetical protein (	-32.6059	-34.8203	0.714555	1 BH
PITG_10264	Pi D-3-phosphoglycerate dehydrog	-32.6279	-34.7764	0.714555	1 BH
PITG_10743	Pi conserved hypothetical protein (	-32.6521	-34.7279	0.714555	1 BH
PITG_11064	Pi conserved hypothetical protein (	-32.6044	-34.8232	0.714555	1 BH
PITG_11264	Pi conserved hypothetical protein (	-32.6044	-34.8232	0.714555	1 BH
PITG_11287	Pi conserved hypothetical protein (	-32.5818	-34.8685	0.714555	1 BH
PITG_12178	Pi conserved hypothetical protein (	-32.6521	-34.7279	0.714555	1 BH
PITG_12194	Pi biotin-protein ligase, putative (1	-32.5818	-34.8685	0.714555	1 BH
PITG_12353	Pi conserved hypothetical protein (	-32.6545	-34.7231	0.714555	1 BH
PITG_12837	Pi N-carbamoylputrescine amidase	-32.6059	-34.8203	0.714555	1 BH

PITG_13417	Pi conserved hypothetical protein (	-32.6279	-34.7764	0.714555	1 BH
PITG_13458	Pi protein kinase, putative (1992 nt)	-32.6044	-34.8232	0.714555	1 BH
PITG_13618	Pi WD repeat protein pop3 (1134 r	-32.6044	-34.8232	0.714555	1 BH
PITG_14460	Pi chromodomain protein, putative	-32.6521	-34.7279	0.714555	1 BH
PITG_14473	Pi conserved hypothetical protein (	-32.6521	-34.7279	0.714555	1 BH
PITG_14640	Pi conserved hypothetical protein (	-32.6279	-34.7764	0.714555	1 BH
PITG_14712	Pi cell division protease ftsH (1401	-32.6279	-34.7764	0.714555	1 BH
PITG_14714	Pi hypothetical protein (670 nt)	-32.5818	-34.8685	0.714555	1 BH
PITG_16344	Pi conserved hypothetical protein (	-32.6279	-34.7764	0.714555	1 BH
PITG_16375	Pi conserved hypothetical protein (	-32.6279	-34.7764	0.714555	1 BH
PITG_17022	Pi UDP-N-acetylglucosamine-dolich	-32.6521	-34.7279	0.714555	1 BH
PITG_17592	Pi mannosyl-oligosaccharide gluco	-32.5818	-34.8685	0.714555	1 BH
PITG_17693	Pi conserved hypothetical protein (	-32.6044	-34.8232	0.714555	1 BH
PITG_17978	Pi conserved hypothetical protein (	-32.6521	-34.7279	0.714555	1 BH
PITG_18113	Pi DNA-directed RNA polymerase II	-32.6521	-34.7279	0.714555	1 BH
PITG_18322	Pi hypothetical protein (4169 nt)	-32.6279	-34.7764	0.714555	1 BH
PITG_19174	Pi phosphoglucomutase, putative (	-32.6521	-34.7279	0.714555	1 BH
PITG_19766	Pi conserved hypothetical protein (	-32.5818	-34.8685	0.714555	1 BH
PITG_20156	Pi cAMP-dependent protein kinase	-32.6521	-34.7279	0.714555	1 BH
PITG_21010	Pi eukaryotic translation initiation	-32.6044	-34.8232	0.714555	1 BH
PITG_21054	Pi conserved hypothetical protein (	-32.6279	-34.7764	0.714555	1 BH
PITG_21184	Pi conserved hypothetical protein (	-32.6545	-34.7231	0.714555	1 BH
PITG_22549	Pi deoxyribose-phosphate aldolase	-32.6804	-34.6713	0.714555	1 BH
PITG_22587	Pi oxidoreductase, putative (487 nt)	-32.6279	-34.7764	0.714555	1 BH
PITG_22716	Pi M96 mating-specific protein farr	-32.6044	-34.8232	0.714555	1 BH
PITG_22717	Pi elicitin-like protein (420 nt)	-32.6804	-34.6713	0.714555	1 BH
PITG_00163	Pi threonine dehydratase, mitoch	-32.7072	-34.6176	0.715095	1 BH
PITG_00250	Pi conserved hypothetical protein (	-32.6299	-34.7722	0.715095	1 BH
PITG_00352	Pi pyruvate dehydrogenase kinase-	-32.7025	-34.6271	0.715095	1 BH
PITG_01101	Pi aquaporin, putative (894 nt)	-32.7295	-34.5732	0.715095	1 BH
PITG_01111	Pi 12-oxophytodienoate reductase	-32.7072	-34.6176	0.715095	1 BH
PITG_01602	Pi conserved hypothetical protein (	-32.7633	-34.5056	0.715095	1 BH
PITG_02382	Pi conserved hypothetical protein (	-32.7633	-34.5056	0.715095	1 BH
PITG_02673	Pi conserved hypothetical protein (	-32.7025	-34.6271	0.715095	1 BH
PITG_02905	Pi conserved hypothetical protein (	-32.7025	-34.6271	0.715095	1 BH
PITG_03379	Pi conserved hypothetical protein (	-32.7295	-34.5732	0.715095	1 BH
PITG_03529	Pi conserved hypothetical protein (	-32.7072	-34.6176	0.715095	1 BH
PITG_03978	Pi transcription initiation factor TFI	-32.7072	-34.6176	0.715095	1 BH
PITG_03989	Pi conserved hypothetical protein (	-32.7295	-34.5732	0.715095	1 BH
PITG_04381	Pi conserved hypothetical protein (	-32.7025	-34.6271	0.715095	1 BH
PITG_04594	Pi aspartyl-tRNA synthetase, putati	-32.7072	-34.6176	0.715095	1 BH
PITG_05297	Pi conserved hypothetical protein (	-32.7025	-34.6271	0.715095	1 BH
PITG_06706	Pi conserved hypothetical protein (	-32.6299	-34.7722	0.715095	1 BH
PITG_07281	Pi conserved hypothetical protein (	-32.7025	-34.6271	0.715095	1 BH
PITG_07411	Pi conserved hypothetical protein (	-32.7295	-34.5732	0.715095	1 BH
PITG_09222	Pi conserved hypothetical protein (	-32.7295	-34.5732	0.715095	1 BH
PITG_09360	Pi conserved hypothetical protein (	-32.7025	-34.6271	0.715095	1 BH

PITG_09818	Pi conserved hypothetical protein (	-32.7295	-34.5732	0.715095	1 BH
PITG_10006	Pi conserved hypothetical protein (	-32.7295	-34.5732	0.715095	1 BH
PITG_10894	Pi hypothetical protein (1440 nt)	-32.7025	-34.6271	0.715095	1 BH
PITG_10923	Pi apolipoprotein A-I-binding prote	-32.7295	-34.5732	0.715095	1 BH
PITG_11525	Pi serine protease family S10, puta	-32.7025	-34.6271	0.715095	1 BH
PITG_11551	Pi Major Facilitator Superfamily (M	-32.7633	-34.5056	0.715095	1 BH
PITG_13415	Pi protein kinase, putative (2746 ni	-32.7025	-34.6271	0.715095	1 BH
PITG_13739	Pi conserved hypothetical protein (	-32.7633	-34.5056	0.715095	1 BH
PITG_14572	Pi conserved hypothetical protein (	-32.7072	-34.6176	0.715095	1 BH
PITG_16263	Pi conserved hypothetical protein (	-32.7633	-34.5056	0.715095	1 BH
PITG_16538	Pi conserved hypothetical protein (	-32.7295	-34.5732	0.715095	1 BH
PITG_17814	Pi conserved hypothetical protein (	-32.7025	-34.6271	0.715095	1 BH
PITG_18129	Pi cyclin-Y-like protein (1254 nt)	-32.7295	-34.5732	0.715095	1 BH
PITG_18413	Pi conserved hypothetical protein (	-32.7295	-34.5732	0.715095	1 BH
PITG_19006	Pi conserved hypothetical protein (	-32.7295	-34.5732	0.715095	1 BH
PITG_19457	Pi conserved hypothetical protein (	-32.6299	-34.7722	0.715095	1 BH
PITG_19877	Pi guanylate-binding protein, putat	-32.7295	-34.5732	0.715095	1 BH
PITG_19928	Pi conserved hypothetical protein (	-32.7025	-34.6271	0.715095	1 BH
PITG_20787	Pi conserved hypothetical protein (	-32.7295	-34.5732	0.715095	1 BH
PITG_21308	Pi choline dehydrogenase, putative	-32.7633	-34.5056	0.715095	1 BH
PITG_22038	Pi conserved hypothetical protein (	-32.7295	-34.5732	0.715095	1 BH
PITG_22127	Pi conserved hypothetical protein (	-32.7295	-34.5732	0.715095	1 BH
PITG_23191	Pi conserved hypothetical protein (	-32.7295	-34.5732	0.715095	1 BH
PITG_08959	Pi 40S ribosomal protein S3-3 (841	-9.28656	0.69192	0.715142	1 BH
PITG_00444	Pi conserved hypothetical protein (	-32.6044	-34.8234	0.715636	1 BH
PITG_00725	Pi N-acetylglucosamine-1-phospho	-32.6517	-34.7286	0.715636	1 BH
PITG_01124	Pi conserved hypothetical protein (	-32.6517	-34.7286	0.715636	1 BH
PITG_01569	Pi nardilysin, putative (3690 nt)	-32.6044	-34.8234	0.715636	1 BH
PITG_01703	Pi ADP-ribosylation factor GTPase-	-32.6044	-34.8234	0.715636	1 BH
PITG_02037	Pi conserved hypothetical protein (	-32.6767	-34.6787	0.715636	1 BH
PITG_02144	Pi conserved hypothetical protein (	-32.6044	-34.8234	0.715636	1 BH
PITG_02357	Pi P-type ATPase (P-ATPase) Super	-32.6276	-34.7768	0.715636	1 BH
PITG_02597	Pi DnaJ subfamily B protein (1362 r	-32.6276	-34.7768	0.715636	1 BH
PITG_02736	Pi U2 small nuclear ribonucleoprot	-32.6044	-34.8234	0.715636	1 BH
PITG_02975	Pi conserved hypothetical protein (	-32.6517	-34.7286	0.715636	1 BH
PITG_03311	Pi regulator of chromosome conde	-32.6517	-34.7286	0.715636	1 BH
PITG_03336	Pi GTP-binding protein TypA/BipA,	-32.6276	-34.7768	0.715636	1 BH
PITG_03569	Pi conserved hypothetical protein (	-32.6276	-34.7768	0.715636	1 BH
PITG_03709	Pi conserved hypothetical protein (	-32.6276	-34.7768	0.715636	1 BH
PITG_03901	Pi serine/threonine protein kinase	-32.6517	-34.7286	0.715636	1 BH
PITG_04226	Pi geranylgeranyl transferase type-	-32.6044	-34.8234	0.715636	1 BH
PITG_04509	Pi conserved hypothetical protein (	-32.6549	-34.7223	0.715636	1 BH
PITG_04532	Pi conserved hypothetical protein (	-32.6276	-34.7768	0.715636	1 BH
PITG_04701	Pi cleavage induced conserved hyp	-32.6276	-34.7768	0.715636	1 BH
PITG_05180	Pi hypothetical protein (1391 nt)	-32.6044	-34.8234	0.715636	1 BH
PITG_05404	Pi conserved hypothetical protein (	-32.6276	-34.7768	0.715636	1 BH
PITG_05494	Pi conserved hypothetical protein (	-32.6767	-34.6787	0.715636	1 BH

PITG_06026	Pi conserved hypothetical protein (	-32.6767	-34.6787	0.715636	1 BH
PITG_06240	Pi conserved hypothetical protein (	-32.6767	-34.6787	0.715636	1 BH
PITG_06288	Pi protein kinase (2737 nt)	-32.6517	-34.7286	0.715636	1 BH
PITG_06345	Pi conserved hypothetical protein (	-32.6517	-34.7286	0.715636	1 BH
PITG_06367	Pi conserved hypothetical protein (	-32.6517	-34.7286	0.715636	1 BH
PITG_06425	Pi conserved hypothetical protein (	-32.7352	-34.5616	0.715636	1 BH
PITG_06440	Pi eukaryotic translation initiation	-32.6767	-34.6787	0.715636	1 BH
PITG_06705	Pi conserved hypothetical protein (	-32.6276	-34.7768	0.715636	1 BH
PITG_06769	Pi conserved hypothetical protein (	-32.6767	-34.6787	0.715636	1 BH
PITG_06776	Pi RAC family serine/threonine-pro	-32.6767	-34.6787	0.715636	1 BH
PITG_06783	Pi quinolinate synthetase A proteir	-32.6276	-34.7768	0.715636	1 BH
PITG_06819	Pi transcription elongation factor, p	-32.6517	-34.7286	0.715636	1 BH
PITG_06846	Pi Drug/Metabolite Transporter (D	-32.7352	-34.5616	0.715636	1 BH
PITG_06871	Pi ankyrin-like protein (3315 nt)	-32.6044	-34.8234	0.715636	1 BH
PITG_06907	Pi regulator of chromosome conde	-32.6767	-34.6787	0.715636	1 BH
PITG_06922	Pi conserved hypothetical protein (	-32.7352	-34.5616	0.715636	1 BH
PITG_07121	Pi acyl-[acyl-carrier-protein]-UDP-M	-32.6276	-34.7768	0.715636	1 BH
PITG_07194	Pi conserved hypothetical protein (	-32.6276	-34.7768	0.715636	1 BH
PITG_07435	Pi secreted RxLR effector peptide, p	-32.6276	-34.7768	0.715636	1 BH
PITG_07915	Pi conserved hypothetical protein (	-32.6517	-34.7286	0.715636	1 BH
PITG_07945	Pi snRNA-activating protein comple	-32.6044	-34.8234	0.715636	1 BH
PITG_08003	Pi conserved hypothetical protein (	-32.6767	-34.6787	0.715636	1 BH
PITG_08964	Pi Mitochondrial Carrier (MC) Fami	-32.6276	-34.7768	0.715636	1 BH
PITG_09305	Pi DNA repair protein RAD51 (1465	-32.6767	-34.6787	0.715636	1 BH
PITG_09415	Pi ethanolamine kinase, putative (1	-32.6276	-34.7768	0.715636	1 BH
PITG_10023	Pi chromodomain protein, putative	-32.5826	-34.8669	0.715636	1 BH
PITG_11869	Pi SUMO-activating enzyme (SAE),	-32.6276	-34.7768	0.715636	1 BH
PITG_11907	Pi diphthine synthase (933 nt)	-32.6044	-34.8234	0.715636	1 BH
PITG_12213	Pi exonuclease 1, putative (1771 nt)	-32.6767	-34.6787	0.715636	1 BH
PITG_12277	Pi conserved hypothetical protein (	-32.6767	-34.6787	0.715636	1 BH
PITG_12806	Pi phospholipase D, Pi-sPLD-like-12	-32.6044	-34.8234	0.715636	1 BH
PITG_13372	Pi conserved hypothetical protein (	-32.6044	-34.8234	0.715636	1 BH
PITG_13828	Pi histone H3 (698 nt)	-32.6517	-34.7286	0.715636	1 BH
PITG_14107	Pi conserved hypothetical protein (	-32.5826	-34.8669	0.715636	1 BH
PITG_14565	Pi conserved hypothetical protein (	-32.6044	-34.8234	0.715636	1 BH
PITG_15817	Pi calpain-like protein (3729 nt)	-32.6276	-34.7768	0.715636	1 BH
PITG_15819	Pi glutamyl-tRNA(Gln) amidotransf	-32.6044	-34.8234	0.715636	1 BH
PITG_15874	Pi conserved hypothetical protein (	-32.7352	-34.5616	0.715636	1 BH
PITG_16775	Pi conserved hypothetical protein (	-32.6767	-34.6787	0.715636	1 BH
PITG_17036	Pi conserved hypothetical protein (	-32.6517	-34.7286	0.715636	1 BH
PITG_17053	Pi ATP-binding Cassette (ABC) Supe	-32.6276	-34.7768	0.715636	1 BH
PITG_17167	Pi conserved hypothetical protein (	-32.6276	-34.7768	0.715636	1 BH
PITG_17329	Pi COP9 signalosome complex subu	-32.6276	-34.7768	0.715636	1 BH
PITG_18382	Pi conserved hypothetical protein (	-32.6549	-34.7223	0.715636	1 BH
PITG_18688	Pi Poly(A) polymerase, putative (20	-32.6044	-34.8234	0.715636	1 BH
PITG_18898	Pi vacuolar protein sorting-associat	-32.6517	-34.7286	0.715636	1 BH
PITG_20034	Pi methyltransferase domain-conta	-32.6767	-34.6787	0.715636	1 BH

PITG_21196	Pi hypothetical protein (397 nt)	-32.7352	-34.5616	0.715636	1 BH
PITG_22198	Pi conserved hypothetical protein (	-32.6044	-34.8234	0.715636	1 BH
PITG_14282	Pi conserved hypothetical protein (	-13.301	-0.62188	0.716015	1 BH
PITG_00090	Pi vacuolar sorting protein SNF8 (9	-32.582	-34.8682	0.716178	1 BH
PITG_00300	Pi 3-oxoacyl-[acyl-carrier-protein] s	-32.582	-34.8682	0.716178	1 BH
PITG_01387	Pi conserved hypothetical protein (	-32.582	-34.8682	0.716178	1 BH
PITG_01641	Pi serine protease family S54, puta	-32.582	-34.8682	0.716178	1 BH
PITG_02916	Pi conserved hypothetical protein (	-32.582	-34.8682	0.716178	1 BH
PITG_04978	Pi conserved hypothetical protein (	-32.6059	-34.8204	0.716178	1 BH
PITG_05637	Pi S-adenosylmethionine mitochon	-32.6808	-34.6705	0.716178	1 BH
PITG_06829	Pi conserved hypothetical protein (	-32.582	-34.8682	0.716178	1 BH
PITG_07154	Pi serine carboxypeptidase, putativ	-32.6059	-34.8204	0.716178	1 BH
PITG_08367	Pi conserved hypothetical protein (	-32.582	-34.8682	0.716178	1 BH
PITG_10882	Pi conserved hypothetical protein (	-32.6059	-34.8204	0.716178	1 BH
PITG_11044	Pi protein phosphatase, putative (1	-32.6808	-34.6705	0.716178	1 BH
PITG_11052	Pi endo-1,3(4)-beta-glucanase, put	-32.582	-34.8682	0.716178	1 BH
PITG_11202	Pi conserved hypothetical protein (	-32.582	-34.8682	0.716178	1 BH
PITG_11223	Pi conserved hypothetical protein (	-32.6059	-34.8204	0.716178	1 BH
PITG_11780	Pi conserved hypothetical protein (	-32.582	-34.8682	0.716178	1 BH
PITG_13068	Pi conserved hypothetical protein (	-32.582	-34.8682	0.716178	1 BH
PITG_13713	Pi MICAL-like protein (3165 nt)	-32.6808	-34.6705	0.716178	1 BH
PITG_15755	Pi AP-3 complex subunit beta, puta	-32.582	-34.8682	0.716178	1 BH
PITG_16113	Pi conserved hypothetical protein (	-32.582	-34.8682	0.716178	1 BH
PITG_16214	Pi inactive ubiquitin carboxyl-termi	-32.582	-34.8682	0.716178	1 BH
PITG_16226	Pi conserved hypothetical protein (	-32.6808	-34.6705	0.716178	1 BH
PITG_17503	Pi conserved hypothetical protein (	-32.582	-34.8682	0.716178	1 BH
PITG_18095	Pi transmembrane protein, putativ	-32.6059	-34.8204	0.716178	1 BH
PITG_19527	Pi conserved hypothetical protein (	-32.582	-34.8682	0.716178	1 BH
PITG_21842	Pi conserved hypothetical protein (	-32.6059	-34.8204	0.716178	1 BH
PITG_22415	Pi conserved hypothetical protein (	-32.6059	-34.8204	0.716178	1 BH
PITG_00123	Pi sporangia induced hypothetical	-32.7565	-34.519	0.716721	1 BH
PITG_02503	Pi FAD synthetase, putative (876 nt)	-32.7643	-34.5034	0.716721	1 BH
PITG_03076	Pi ATP-dependent helicase, RECQ f	-32.7565	-34.519	0.716721	1 BH
PITG_03179	Pi conserved hypothetical protein (	-32.7565	-34.519	0.716721	1 BH
PITG_04731	Pi hypothetical protein (1162 nt)	-32.7565	-34.519	0.716721	1 BH
PITG_04902	Pi conserved hypothetical protein (	-32.7565	-34.519	0.716721	1 BH
PITG_06698	Pi ATP-binding Cassette (ABC) Sup	-32.7565	-34.519	0.716721	1 BH
PITG_06794	Pi putative methyltransferase MET	-32.7565	-34.519	0.716721	1 BH
PITG_07193	Pi conserved hypothetical protein (	-32.7565	-34.519	0.716721	1 BH
PITG_07839	Pi translation initiation factor eIF-2	-32.7565	-34.519	0.716721	1 BH
PITG_08619	Pi hypothetical protein (1839 nt)	-32.7565	-34.519	0.716721	1 BH
PITG_08776	Pi conserved hypothetical protein (	-32.7565	-34.519	0.716721	1 BH
PITG_09248	Pi Proton-dependent Oligopeptide	-32.7565	-34.519	0.716721	1 BH
PITG_09751	Pi GPI mannosyltransferase 4, puta	-32.7565	-34.519	0.716721	1 BH
PITG_11018	Pi conserved hypothetical protein (	-32.7565	-34.519	0.716721	1 BH
PITG_12497	Pi conserved hypothetical protein (	-32.7643	-34.5034	0.716721	1 BH
PITG_12667	Pi conserved hypothetical protein (	-32.7565	-34.519	0.716721	1 BH



PITG_13367	Pi XRP2-like protein (1462 nt)	-32.7078	-34.6165	0.716721	1 BH
PITG_13776	Pi conserved hypothetical protein (	-32.7565	-34.519	0.716721	1 BH
PITG_13829	Pi conserved hypothetical protein (	-32.7565	-34.519	0.716721	1 BH
PITG_13969	Pi conserved hypothetical protein (	-32.7643	-34.5034	0.716721	1 BH
PITG_15072	Pi serine protease family S33, puta	-32.7565	-34.519	0.716721	1 BH
PITG_15884	Pi guanylate-binding protein, putat	-32.7565	-34.519	0.716721	1 BH
PITG_16200	Pi conserved hypothetical protein (	-32.7078	-34.6165	0.716721	1 BH
PITG_18062	Pi conserved hypothetical protein (	-32.63	-34.7722	0.716721	1 BH
PITG_18297	Pi ATP-binding Cassette (ABC) Super	-32.7565	-34.519	0.716721	1 BH
PITG_18326	Pi conserved hypothetical protein (	-32.7078	-34.6165	0.716721	1 BH
PITG_18433	Pi conserved hypothetical protein (	-32.7078	-34.6165	0.716721	1 BH
PITG_19769	Pi conserved hypothetical protein (	-32.7565	-34.519	0.716721	1 BH
PITG_20266	Pi proteasome assembly chaperon	-32.7565	-34.519	0.716721	1 BH
PITG_21480	Pi conserved hypothetical protein (	-32.7565	-34.519	0.716721	1 BH
PITG_21599	Pi conserved hypothetical protein (	-32.7565	-34.519	0.716721	1 BH
PITG_22611	Pi protein recA (641 nt)	-32.7565	-34.519	0.716721	1 BH
PITG_00143	Pi nuclear migration protein nudC-	-32.702	-34.6281	0.716721	1 BH
PITG_00296	Pi protein kinase, putative (1296 nt)	-32.7287	-34.5746	0.716721	1 BH
PITG_00668	Pi conserved hypothetical protein (	-32.702	-34.6281	0.716721	1 BH
PITG_00938	Pi conserved hypothetical protein (	-32.7287	-34.5746	0.716721	1 BH
PITG_01083	Pi conserved hypothetical protein (	-32.7287	-34.5746	0.716721	1 BH
PITG_02730	Pi conserved hypothetical protein (	-32.702	-34.6281	0.716721	1 BH
PITG_03459	Pi COP9 signalosome complex subu	-32.702	-34.6281	0.716721	1 BH
PITG_03733	Pi conserved hypothetical protein (	-32.7287	-34.5746	0.716721	1 BH
PITG_04553	Pi conserved hypothetical protein (	-32.702	-34.6281	0.716721	1 BH
PITG_04608	Pi conserved hypothetical protein (	-32.7287	-34.5746	0.716721	1 BH
PITG_05458	Pi conserved hypothetical protein (	-32.702	-34.6281	0.716721	1 BH
PITG_05476	Pi flavin-binding monooxygenase-li	-32.702	-34.6281	0.716721	1 BH
PITG_05935	Pi DEAD/DEAH box RNA helicase, p	-32.702	-34.6281	0.716721	1 BH
PITG_06793	Pi conserved hypothetical protein (	-32.702	-34.6281	0.716721	1 BH
PITG_07071	Pi conserved hypothetical protein (	-32.7287	-34.5746	0.716721	1 BH
PITG_07765	Pi conserved hypothetical protein (	-32.7287	-34.5746	0.716721	1 BH
PITG_08742	Pi conserved hypothetical protein (	-32.7287	-34.5746	0.716721	1 BH
PITG_09190	Pi bzip transcription factor (1121 nt)	-32.7287	-34.5746	0.716721	1 BH
PITG_11225	Pi P-type ATPase (P-ATPase) Super	-32.7287	-34.5746	0.716721	1 BH
PITG_13548	Pi conserved hypothetical protein (	-32.7287	-34.5746	0.716721	1 BH
PITG_13669	Pi serine/threonine protein kinase	-32.702	-34.6281	0.716721	1 BH
PITG_16179	Pi Rab3 GTPase-activating protein (	-32.702	-34.6281	0.716721	1 BH
PITG_16900	Pi cleft lip and palate transmembra	-32.7287	-34.5746	0.716721	1 BH
PITG_17840	Pi protein kinase, putative (1829 nt)	-32.702	-34.6281	0.716721	1 BH
PITG_19024	Pi conserved hypothetical protein (	-32.7287	-34.5746	0.716721	1 BH
PITG_19429	Pi prephenate dehydratase, putativ	-32.7287	-34.5746	0.716721	1 BH
PITG_20370	Pi Amino Acid/Auxin Permease (AA	-32.7287	-34.5746	0.716721	1 BH
PITG_20652	Pi conserved hypothetical protein (	-32.7287	-34.5746	0.716721	1 BH
PITG_22301	Pi conserved hypothetical protein (	-32.702	-34.6281	0.716721	1 BH
PITG_22459	Pi HSF-type DNA-binding protein, p	-32.702	-34.6281	0.716721	1 BH
PITG_23176	Pi 26S proteasome non-ATPase reg	-32.7287	-34.5746	0.716721	1 BH

PITG_00309	Pi conserved hypothetical protein (	-32.6764	-34.6792	0.717266	1 BH
PITG_00829	Pi conserved hypothetical protein (	-32.6764	-34.6792	0.717266	1 BH
PITG_01185	Pi conserved hypothetical protein (	-32.6764	-34.6792	0.717266	1 BH
PITG_01484	Pi beta-glucosidase, putative (1712	-32.6516	-34.7288	0.717266	1 BH
PITG_02400	Pi protein kinase (3158 nt)	-32.6764	-34.6792	0.717266	1 BH
PITG_02759	Pi hypothetical protein (278 nt)	-32.655	-34.7221	0.717266	1 BH
PITG_02951	Pi phosphoglycerate mutase family	-32.6516	-34.7288	0.717266	1 BH
PITG_03265	Pi Monovalent Cation:Proton Antip	-32.6764	-34.6792	0.717266	1 BH
PITG_03305	Pi peptidase, putative (2045 nt)	-32.6516	-34.7288	0.717266	1 BH
PITG_04499	Pi histone deacetylase, putative (1	-32.6764	-34.6792	0.717266	1 BH
PITG_05177	Pi conserved hypothetical protein (	-32.6516	-34.7288	0.717266	1 BH
PITG_05992	Pi tetrapyrrole (Corrin/Porphyrin) I	-32.6516	-34.7288	0.717266	1 BH
PITG_06660	Pi peroxisome biogenesis factor, pi	-32.6764	-34.6792	0.717266	1 BH
PITG_06941	Pi conserved hypothetical protein (	-32.6516	-34.7288	0.717266	1 BH
PITG_07237	Pi cell division cycle protein 20 (16	-32.6764	-34.6792	0.717266	1 BH
PITG_07247	Pi conserved hypothetical protein (	-32.6764	-34.6792	0.717266	1 BH
PITG_08258	Pi cleavage induced hypothetical p	-32.6764	-34.6792	0.717266	1 BH
PITG_09468	Pi conserved hypothetical protein (	-32.655	-34.7221	0.717266	1 BH
PITG_09523	Pi Rab32/38 family GTPase, putativ	-32.655	-34.7221	0.717266	1 BH
PITG_09923	Pi 6-phosphofructo-2-kinase/fructo	-32.6764	-34.6792	0.717266	1 BH
PITG_11459	Pi conserved hypothetical protein (	-32.6516	-34.7288	0.717266	1 BH
PITG_12428	Pi conserved hypothetical protein (	-32.6516	-34.7288	0.717266	1 BH
PITG_12699	Pi serine/threonine protein kinase	-32.6516	-34.7288	0.717266	1 BH
PITG_13228	Pi conserved hypothetical protein (	-32.6516	-34.7288	0.717266	1 BH
PITG_15294	Pi histidinol dehydrogenase, putati	-32.6516	-34.7288	0.717266	1 BH
PITG_16105	Pi conserved hypothetical protein (	-32.6516	-34.7288	0.717266	1 BH
PITG_16467	Pi hypothetical protein (456 nt)	-32.6764	-34.6792	0.717266	1 BH
PITG_17889	Pi Crinkler (CRN) family protein (24	-32.6764	-34.6792	0.717266	1 BH
PITG_17907	Pi choline/Carnitine O-acyltransfer	-32.6516	-34.7288	0.717266	1 BH
PITG_17965	Pi conserved hypothetical protein (	-32.6764	-34.6792	0.717266	1 BH
PITG_18030	Pi conserved hypothetical protein (	-32.6516	-34.7288	0.717266	1 BH
PITG_20571	Pi alkyldihydroxyacetonephosphat	-15.4337	1.767499	0.717266	1 BH
PITG_12403	Pi conserved hypothetical protein (	-15.852	2.604131	0.717266	1 BH
PITG_17608	Pi spermine synthase, putative (10	-15.852	2.604131	0.717266	1 BH
PITG_00942	Pi conserved hypothetical protein (	-32.6278	-34.7764	0.717812	1 BH
PITG_02113	Pi hypothetical protein (3721 nt)	-32.6047	-34.8227	0.717812	1 BH
PITG_02352	Pi P-type ATPase (P-ATPase) Super	-32.6047	-34.8227	0.717812	1 BH
PITG_02531	Pi conserved hypothetical protein (	-32.6278	-34.7764	0.717812	1 BH
PITG_04215	Pi conserved hypothetical protein (	-32.7358	-34.5606	0.717812	1 BH
PITG_04857	Pi impact-like protein (1370 nt)	-32.6278	-34.7764	0.717812	1 BH
PITG_05127	Pi fatty acid desaturase, putative (	-32.6278	-34.7764	0.717812	1 BH
PITG_06048	Pi eukaryotic initiation factor 4A-III	-32.6278	-34.7764	0.717812	1 BH
PITG_06694	Pi conserved hypothetical protein (	-32.6047	-34.8227	0.717812	1 BH
PITG_07705	Pi conserved hypothetical protein (	-32.6278	-34.7764	0.717812	1 BH
PITG_07774	Pi conserved hypothetical protein (	-32.6278	-34.7764	0.717812	1 BH
PITG_08572	Pi dual specificity tyrosine-phosph	-32.6278	-34.7764	0.717812	1 BH
PITG_09228	Pi conserved hypothetical protein (	-32.7358	-34.5606	0.717812	1 BH

PITG_09273	Pi AMP deaminase 2 (1375 nt)	-32.6278	-34.7764	0.717812	1 BH
PITG_10087	Pi conserved hypothetical protein (	-32.6278	-34.7764	0.717812	1 BH
PITG_10617	Pi conserved hypothetical protein (	-32.6047	-34.8227	0.717812	1 BH
PITG_11965	Pi conserved hypothetical protein (	-32.6278	-34.7764	0.717812	1 BH
PITG_12212	Pi conserved hypothetical protein (	-32.7358	-34.5606	0.717812	1 BH
PITG_12956	Pi conserved hypothetical protein (	-32.6047	-34.8227	0.717812	1 BH
PITG_13151	Pi protein transporter Sec24 (4393	-32.6278	-34.7764	0.717812	1 BH
PITG_13272	Pi conserved hypothetical protein (	-32.6047	-34.8227	0.717812	1 BH
PITG_13841	Pi conserved hypothetical protein (	-32.6278	-34.7764	0.717812	1 BH
PITG_13910	Pi conserved hypothetical protein (	-32.6047	-34.8227	0.717812	1 BH
PITG_16121	Pi conserved hypothetical protein (	-32.6278	-34.7764	0.717812	1 BH
PITG_16645	Pi conserved hypothetical protein (	-32.6278	-34.7764	0.717812	1 BH
PITG_16801	Pi conserved hypothetical protein (	-32.6278	-34.7764	0.717812	1 BH
PITG_17063	Pi secreted RxLR effector peptide,	-15.7864	2.471743	0.717812	1 BH
PITG_17110	Pi conserved hypothetical protein (	-32.6278	-34.7764	0.717812	1 BH
PITG_17495	Pi protein kinase, putative (1590 nt)	-32.6278	-34.7764	0.717812	1 BH
PITG_17879	Pi conserved hypothetical protein (	-32.6047	-34.8227	0.717812	1 BH
PITG_22277	Pi conserved hypothetical protein (	-32.6278	-34.7764	0.717812	1 BH
PITG_23159	Pi HECT E3 ubiquitin ligase, putativ	-32.6278	-34.7764	0.717812	1 BH
PITG_20759	Pi dihydroxy-acid dehydratase (189	-13.3071	-0.61357	0.717986	1 BH
PITG_03647	Pi hypothetical protein (351 nt)	-32.6808	-34.6704	0.718359	1 BH
PITG_01068	Pi conserved hypothetical protein (	-32.5824	-34.8673	0.718359	1 BH
PITG_01183	Pi conserved hypothetical protein (	-32.5824	-34.8673	0.718359	1 BH
PITG_03048	Pi ubiquitin-conjugating enzyme E2	-32.5824	-34.8673	0.718359	1 BH
PITG_03288	Pi myosin-like protein (4434 nt)	-32.5824	-34.8673	0.718359	1 BH
PITG_03651	Pi phospholipase D, Pi-PXPH-PLD (3	-32.5824	-34.8673	0.718359	1 BH
PITG_04545	Pi conserved hypothetical protein (	-32.5824	-34.8673	0.718359	1 BH
PITG_04627	Pi myosin-like protein (1315 nt)	-32.5824	-34.8673	0.718359	1 BH
PITG_05740	Pi conserved hypothetical protein (	-32.5824	-34.8673	0.718359	1 BH
PITG_06816	Pi conserved hypothetical protein (	-32.5824	-34.8673	0.718359	1 BH
PITG_09139	Pi conserved hypothetical protein (	-32.5824	-34.8673	0.718359	1 BH
PITG_10450	Pi protein kinase, putative (1742 nt)	-32.5824	-34.8673	0.718359	1 BH
PITG_11178	Pi molybdenum cofactor synthesis	-32.5824	-34.8673	0.718359	1 BH
PITG_14818	Pi guanylate-binding protein, putat	-32.5824	-34.8673	0.718359	1 BH
PITG_15382	Pi alpha kinase (1681 nt)	-32.5824	-34.8673	0.718359	1 BH
PITG_16456	Pi conserved hypothetical protein (	-32.5824	-34.8673	0.718359	1 BH
PITG_19823	Pi conserved hypothetical protein (	-32.5824	-34.8673	0.718359	1 BH
PITG_22126	Pi conserved hypothetical protein (	-32.5824	-34.8673	0.718359	1 BH
PITG_00237	Pi 2OG-Fe(II) oxygenase superfamil	-32.756	-34.5201	0.718908	1 BH
PITG_01097	Pi conserved hypothetical protein (	-32.756	-34.5201	0.718908	1 BH
PITG_01241	Pi conserved hypothetical protein (	-32.6296	-34.7728	0.718908	1 BH
PITG_01429	Pi serine protease family S33, puta	-32.756	-34.5201	0.718908	1 BH
PITG_01502	Pi Cullin-associated NEDD8-dissoci	-32.756	-34.5201	0.718908	1 BH
PITG_02103	Pi glycoside hydrolase, putative (24	-32.756	-34.5201	0.718908	1 BH
PITG_02661	Pi conserved hypothetical protein (	-32.756	-34.5201	0.718908	1 BH
PITG_02947	Pi conserved hypothetical protein (	-32.756	-34.5201	0.718908	1 BH
PITG_03406	Pi conserved hypothetical protein (	-32.765	-34.5022	0.718908	1 BH

PITG_03743	Pi conserved hypothetical protein (	-32.765	-34.5022	0.718908	1 BH
PITG_03878	Pi dynein intermediate chain 2 (23:	-32.756	-34.5201	0.718908	1 BH
PITG_05797	Pi conserved hypothetical protein (	-32.756	-34.5201	0.718908	1 BH
PITG_06557	Pi cytochrome P450, putative (389	-32.756	-34.5201	0.718908	1 BH
PITG_07274	Pi mitogen-activated protein kinase	-32.756	-34.5201	0.718908	1 BH
PITG_07892	Pi conserved hypothetical protein (	-32.756	-34.5201	0.718908	1 BH
PITG_08588	Pi conserved hypothetical protein (	-32.756	-34.5201	0.718908	1 BH
PITG_09681	Pi transmembrane protein, putativ	-15.5351	1.966615	0.718908	1 BH
PITG_09682	Pi conserved hypothetical protein (	-32.756	-34.5201	0.718908	1 BH
PITG_09780	Pi conserved hypothetical protein (	-32.756	-34.5201	0.718908	1 BH
PITG_10395	Pi conserved hypothetical protein (	-32.756	-34.5201	0.718908	1 BH
PITG_11998	Pi chromatin modification-related	-32.756	-34.5201	0.718908	1 BH
PITG_12338	Pi sugar fermentation stimulation	-32.756	-34.5201	0.718908	1 BH
PITG_12347	Pi conserved hypothetical protein (	-15.4789	1.854235	0.718908	1 BH
PITG_12482	Pi serine protease family S28, puta	-32.756	-34.5201	0.718908	1 BH
PITG_12809	Pi phospholipase D, Pi-sPLD-like-11	-32.756	-34.5201	0.718908	1 BH
PITG_14056	Pi conserved hypothetical protein (	-32.756	-34.5201	0.718908	1 BH
PITG_14272	Pi hypothetical protein (1775 nt)	-32.756	-34.5201	0.718908	1 BH
PITG_14750	Pi conserved hypothetical protein (	-32.756	-34.5201	0.718908	1 BH
PITG_16299	Pi conserved hypothetical protein (	-32.756	-34.5201	0.718908	1 BH
PITG_17607	Pi elongation factor Ts, putative (1	-32.765	-34.5022	0.718908	1 BH
PITG_19749	Pi conserved hypothetical protein (	-32.756	-34.5201	0.718908	1 BH
PITG_20152	Pi conserved hypothetical protein (	-32.756	-34.5201	0.718908	1 BH
PITG_07885	Pi eukaryotic translation initiation	-12.2692	-0.34375	0.719212	1 BH
PITG_00016	Pi DNA-binding protein, putative (7	-32.7286	-34.5749	0.719457	1 BH
PITG_01203	Pi mitogen-activated protein kinase	-32.7286	-34.5749	0.719457	1 BH
PITG_01677	Pi conserved hypothetical protein (	-32.7021	-34.6279	0.719457	1 BH
PITG_02035	Pi conserved hypothetical protein (	-32.7286	-34.5749	0.719457	1 BH
PITG_02146	Pi conserved hypothetical protein (	-32.7021	-34.6279	0.719457	1 BH
PITG_03011	Pi F-box protein, putative (4337 nt)	-32.7021	-34.6279	0.719457	1 BH
PITG_03043	Pi hypothetical protein (2357 nt)	-32.7021	-34.6279	0.719457	1 BH
PITG_03123	Pi M96 mating-specific protein farr	-32.7021	-34.6279	0.719457	1 BH
PITG_03750	Pi endo-1,3(4)-beta-glucanase, put	-32.7021	-34.6279	0.719457	1 BH
PITG_03903	Pi conserved hypothetical protein (	-32.7286	-34.5749	0.719457	1 BH
PITG_04030	Pi hypothetical protein (411 nt)	-32.7021	-34.6279	0.719457	1 BH
PITG_04115	Pi conserved hypothetical protein (	-32.7286	-34.5749	0.719457	1 BH
PITG_04589	Pi protein kinase (1190 nt)	-32.7021	-34.6279	0.719457	1 BH
PITG_04703	Pi conserved hypothetical protein (	-32.7077	-34.6166	0.719457	1 BH
PITG_04938	Pi calcium/calmodulin-dependent	-32.7286	-34.5749	0.719457	1 BH
PITG_05189	Pi conserved hypothetical protein (	-32.7021	-34.6279	0.719457	1 BH
PITG_05538	Pi conserved hypothetical protein (	-32.7286	-34.5749	0.719457	1 BH
PITG_05674	Pi peroxisome assembly protein, pi	-32.7286	-34.5749	0.719457	1 BH
PITG_06002	Pi mismatch repair endonuclease p	-32.7021	-34.6279	0.719457	1 BH
PITG_06205	Pi ATP-binding Cassette (ABC) Supe	-32.7021	-34.6279	0.719457	1 BH
PITG_06487	Pi conserved hypothetical protein (	-32.7077	-34.6166	0.719457	1 BH
PITG_07191	Pi protein kinase, putative (1786 nt)	-32.7021	-34.6279	0.719457	1 BH
PITG_07354	Pi acylamino-acid-releasing enzym	-32.7286	-34.5749	0.719457	1 BH

PITG_07707	Pi conserved hypothetical protein (	-32.7286	-34.5749	0.719457	1	BH
PITG_07723	Pi Major Facilitator Superfamily (M	-32.7286	-34.5749	0.719457	1	BH
PITG_07868	Pi conserved hypothetical protein (	-32.7021	-34.6279	0.719457	1	BH
PITG_07978	Pi protein kinase, putative (1474 nt	-32.7286	-34.5749	0.719457	1	BH
PITG_09220	Pi conserved hypothetical protein (	-32.7021	-34.6279	0.719457	1	BH
PITG_10275	Pi conserved hypothetical protein (	-32.7021	-34.6279	0.719457	1	BH
PITG_10881	Pi kinesin-like protein (2499 nt)	-32.7286	-34.5749	0.719457	1	BH
PITG_11010	Pi conserved hypothetical protein (	-32.7286	-34.5749	0.719457	1	BH
PITG_11050	Pi endo-1,3(4)-beta-glucanase, put	-32.7021	-34.6279	0.719457	1	BH
PITG_11607	Pi metalloprotease family M48X, p	-32.7021	-34.6279	0.719457	1	BH
PITG_12175	Pi conserved hypothetical protein (	-32.7021	-34.6279	0.719457	1	BH
PITG_12499	Pi conserved hypothetical protein (	-32.7021	-34.6279	0.719457	1	BH
PITG_13039	Pi conserved hypothetical protein (	-32.7021	-34.6279	0.719457	1	BH
PITG_13320	Pi conserved hypothetical protein (	-32.7286	-34.5749	0.719457	1	BH
PITG_13718	Pi conserved hypothetical protein (	-32.7286	-34.5749	0.719457	1	BH
PITG_13838	Pi polycomb protein EZH2, putative	-32.7021	-34.6279	0.719457	1	BH
PITG_14094	Pi conserved hypothetical protein (	-32.7286	-34.5749	0.719457	1	BH
PITG_14448	Pi hypothetical protein (1081 nt)	-32.7077	-34.6166	0.719457	1	BH
PITG_15669	Pi conserved hypothetical protein (	-32.7286	-34.5749	0.719457	1	BH
PITG_15806	Pi conserved hypothetical protein (	-32.7021	-34.6279	0.719457	1	BH
PITG_17831	Pi protein kinase, putative (1930 nt	-32.7021	-34.6279	0.719457	1	BH
PITG_18114	Pi conserved hypothetical protein (	-32.7286	-34.5749	0.719457	1	BH
PITG_18377	Pi adenylate kinase, putative (2776	-32.7286	-34.5749	0.719457	1	BH
PITG_18747	Pi GlcNac transferase (1678 nt)	-32.7021	-34.6279	0.719457	1	BH
PITG_18962	Pi DNA repair protein, putative (26	-32.7021	-34.6279	0.719457	1	BH
PITG_19149	Pi conserved hypothetical protein (	-32.7077	-34.6166	0.719457	1	BH
PITG_20954	Pi conserved hypothetical protein (	-32.7286	-34.5749	0.719457	1	BH
PITG_21215	Pi transmembrane protein, putativ	-32.7286	-34.5749	0.719457	1	BH
PITG_22919	Pi conserved hypothetical protein (	-32.7021	-34.6279	0.719457	1	BH
PITG_01436	Pi conserved hypothetical protein (	-15.6488	2.191331	0.720008	1	BH
PITG_03500	Pi chromodomain-helicase-DNA-bi	-32.7955	-34.441	0.720008	1	BH
PITG_11976	Pi UDP-3-O-[3-hydroxymyristoyl] N	-32.7955	-34.441	0.720008	1	BH
PITG_20486	Pi conserved hypothetical protein (	-32.7955	-34.441	0.720008	1	BH
PITG_00088	Pi pre-mRNA-splicing factor cwc2,	-32.6521	-34.728	0.720008	1	BH
PITG_00651	Pi centromere/kinetochore proteir	-32.6767	-34.6787	0.720008	1	BH
PITG_00659	Pi conserved hypothetical protein (	-32.6521	-34.728	0.720008	1	BH
PITG_00746	Pi conserved hypothetical protein (	-32.6521	-34.728	0.720008	1	BH
PITG_01409	Pi conserved hypothetical protein (	-32.6521	-34.728	0.720008	1	BH
PITG_01727	Pi conserved hypothetical protein (	-32.6521	-34.728	0.720008	1	BH
PITG_01860	Pi transmembrane protein, putativ	-32.6521	-34.728	0.720008	1	BH
PITG_01867	Pi splicing factor U2af large subuni	-32.6521	-34.728	0.720008	1	BH
PITG_02561	Pi ubiquitin-specific protease, puta	-32.6767	-34.6787	0.720008	1	BH
PITG_03332	Pi phosphatidylinositol-4-phosphat	-32.6521	-34.728	0.720008	1	BH
PITG_03836	Pi conserved hypothetical protein (	-32.6521	-34.728	0.720008	1	BH
PITG_04458	Pi protein kinase (1568 nt)	-32.6521	-34.728	0.720008	1	BH
PITG_04533	Pi conserved hypothetical protein (	-32.6767	-34.6787	0.720008	1	BH
PITG_04614	Pi DNA ligase, putative (1649 nt)	-32.6767	-34.6787	0.720008	1	BH

PITG_05894	Pi conserved hypothetical protein (	-32.6521	-34.728	0.720008	1 BH
PITG_06673	Pi Major Facilitator Superfamily (M	-32.6767	-34.6787	0.720008	1 BH
PITG_06929	Pi myotubularin-like protein (3693	-32.6521	-34.728	0.720008	1 BH
PITG_08211	Pi U2-associated splicing factor, pu	-32.6767	-34.6787	0.720008	1 BH
PITG_08461	Pi conserved hypothetical protein (	-32.6521	-34.728	0.720008	1 BH
PITG_11431	Pi ubiquitin-specific protease, puta	-32.6767	-34.6787	0.720008	1 BH
PITG_12459	Pi protein kinase (931 nt)	-32.6767	-34.6787	0.720008	1 BH
PITG_12525	Pi conserved hypothetical protein (	-32.6767	-34.6787	0.720008	1 BH
PITG_13235	Pi putative P-type ATPase (2964 nt	-32.6767	-34.6787	0.720008	1 BH
PITG_13340	Pi Folate-Biopterin Transporter (FB	-32.6521	-34.728	0.720008	1 BH
PITG_13721	Pi alpha,alpha-trehalose-phosphat	-32.6767	-34.6787	0.720008	1 BH
PITG_13752	Pi conserved hypothetical protein (	-32.6521	-34.728	0.720008	1 BH
PITG_15173	Pi conserved hypothetical protein (	-32.6521	-34.728	0.720008	1 BH
PITG_15408	Pi phosphatidylinositol kinase (PIK-	-32.6521	-34.728	0.720008	1 BH
PITG_15836	Pi hypothetical protein (1718 nt)	-32.6521	-34.728	0.720008	1 BH
PITG_16732	Pi conserved hypothetical protein (	-32.6521	-34.728	0.720008	1 BH
PITG_16799	Pi inositol-3,4-bisphosphate 4-pho:	-32.6521	-34.728	0.720008	1 BH
PITG_17170	Pi peptidyl-tRNA hydrolase, putativ	-32.6767	-34.6787	0.720008	1 BH
PITG_17590	Pi conserved hypothetical protein (	-32.6545	-34.723	0.720008	1 BH
PITG_17745	Pi inositol hexakisphosphate and d	-32.6767	-34.6787	0.720008	1 BH
PITG_18070	Pi phospholipase, putative (3302 n	-32.6521	-34.728	0.720008	1 BH
PITG_19693	Pi conserved hypothetical protein (	-32.6767	-34.6787	0.720008	1 BH
PITG_20463	Pi vacuolar protein sorting-associat	-32.6767	-34.6787	0.720008	1 BH
PITG_21807	Pi conserved hypothetical protein (	-32.6521	-34.728	0.720008	1 BH
PITG_21962	Pi alpha,alpha-trehalose-phosphat	-32.6767	-34.6787	0.720008	1 BH
PITG_23160	Pi histone deacetylase, putative (4:	-32.6521	-34.728	0.720008	1 BH
PITG_00460	Pi phosphatidylinositol-4-phosphat	-32.6284	-34.7753	0.72056	1 BH
PITG_01100	Pi aquaporin, putative (2207 nt)	-32.6284	-34.7753	0.72056	1 BH
PITG_01523	Pi Zinc (Zn <sup>2+</sup> )-Iron (Fe <sup>2+</sup> ) Permease	-32.6284	-34.7753	0.72056	1 BH
PITG_03030	Pi conserved hypothetical protein (	-32.6284	-34.7753	0.72056	1 BH
PITG_03825	Pi myosin-like protein (2036 nt)	-32.6284	-34.7753	0.72056	1 BH
PITG_04648	Pi conserved hypothetical protein (	-32.6054	-34.8213	0.72056	1 BH
PITG_05385	Pi Zinc (Zn <sup>2+</sup> )-Iron (Fe <sup>2+</sup> ) Permease	-15.7457	2.383962	0.72056	1 BH
PITG_07034	Pi myosin-like protein (4211 nt)	-32.6054	-34.8213	0.72056	1 BH
PITG_08669	Pi 3-methyl-2-oxobutanoate hydro	-32.6284	-34.7753	0.72056	1 BH
PITG_09064	Pi conserved hypothetical protein (	-32.6284	-34.7753	0.72056	1 BH
PITG_10285	Pi conserved hypothetical protein (	-32.6284	-34.7753	0.72056	1 BH
PITG_10452	Pi CAD protein (4584 nt)	-15.5851	2.062588	0.72056	1 BH
PITG_10663	Pi Multidrug/Oligosaccharidyl-lipid	-32.6284	-34.7753	0.72056	1 BH
PITG_10831	Pi cyclin-dependent kinase with F-t	-32.6054	-34.8213	0.72056	1 BH
PITG_10844	Pi conserved hypothetical protein (	-32.6054	-34.8213	0.72056	1 BH
PITG_10845	Pi conserved hypothetical protein (	-32.6284	-34.7753	0.72056	1 BH
PITG_10935	Pi phosphatidylinositol kinase (PIK-	-32.6284	-34.7753	0.72056	1 BH
PITG_11761	Pi conserved hypothetical protein (	-32.6054	-34.8213	0.72056	1 BH
PITG_12813	Pi phytanoyl-CoA dioxygenase dorr	-32.6054	-34.8213	0.72056	1 BH
PITG_15843	Pi acyltransferase family (1479 nt)	-15.5851	2.062588	0.72056	1 BH
PITG_16153	Pi conserved hypothetical protein (	-32.6054	-34.8213	0.72056	1 BH

PITG_16267	Pi Major Facilitator Superfamily (M	-32.6284	-34.7753	0.72056	1 BH
PITG_17480	Pi sodium-coupled neutral amino a	-32.6054	-34.8213	0.72056	1 BH
PITG_18902	Pi conserved hypothetical protein (	-32.6054	-34.8213	0.72056	1 BH
PITG_19107	Pi conserved hypothetical protein (	-32.6284	-34.7753	0.72056	1 BH
PITG_19405	Pi conserved hypothetical protein (	-32.6054	-34.8213	0.72056	1 BH
PITG_19472	Pi ubiquitin-specific protease, puta	-32.6054	-34.8213	0.72056	1 BH
PITG_20320	Pi retinol dehydrogenase, putative	-32.6284	-34.7753	0.72056	1 BH
PITG_20559	Pi conserved hypothetical protein (	-32.6284	-34.7753	0.72056	1 BH
PITG_20858	Pi hypothetical protein (1227 nt)	-32.6054	-34.8213	0.72056	1 BH
PITG_11906	Pi Proton-dependent Oligopeptide	-32.6049	-34.8224	0.72056	1 BH
PITG_00284	Pi phospholipase D, Pi-PXTM-PLD (	-32.5832	-34.8656	0.721114	1 BH
PITG_04132	Pi conserved hypothetical protein (	-32.5832	-34.8656	0.721114	1 BH
PITG_04562	Pi mucin, putative (11178 nt)	-32.5832	-34.8656	0.721114	1 BH
PITG_06342	Pi conserved hypothetical protein (	-32.5832	-34.8656	0.721114	1 BH
PITG_08091	Pi hypothetical protein (243 nt)	-32.5832	-34.8656	0.721114	1 BH
PITG_12757	Pi alpha-ketoglutarate-dependent :	-32.5832	-34.8656	0.721114	1 BH
PITG_15058	Pi transmembrane protein, putativ	-32.5832	-34.8656	0.721114	1 BH
PITG_17089	Pi conserved hypothetical protein (	-32.5832	-34.8656	0.721114	1 BH
PITG_17953	Pi COP9 signalosome complex subu	-32.5832	-34.8656	0.721114	1 BH
PITG_19875	Pi phosphoinositide 3-kinase regul	-32.5832	-34.8656	0.721114	1 BH
PITG_22339	Pi conserved hypothetical protein (	-32.5832	-34.8656	0.721114	1 BH
PITG_07100	Pi conserved hypothetical protein (	-32.6289	-34.7744	0.721668	1 BH
PITG_00744	Pi conserved hypothetical protein (	-32.7847	-34.4628	0.722225	1 BH
PITG_00894	Pi carbohydrate-binding protein, pi	-32.7562	-34.5197	0.722225	1 BH
PITG_01452	Pi conserved hypothetical protein (	-32.7562	-34.5197	0.722225	1 BH
PITG_01651	Pi conserved hypothetical protein (	-32.7562	-34.5197	0.722225	1 BH
PITG_02329	Pi peptide-N(4)-(N-acetyl-beta-gluc	-32.7847	-34.4628	0.722225	1 BH
PITG_03401	Pi chromodomain-helicase-DNA-bi	-32.7562	-34.5197	0.722225	1 BH
PITG_05196	Pi 2-nitropropane dioxygenase, pu	-32.7847	-34.4628	0.722225	1 BH
PITG_05274	Pi conserved hypothetical protein (	-32.7847	-34.4628	0.722225	1 BH
PITG_06821	Pi eukaryotic initiation factor 4E, p	-32.7562	-34.5197	0.722225	1 BH
PITG_07567	Pi brefeldin A-inhibited guanine nu	-32.7562	-34.5197	0.722225	1 BH
PITG_08802	Pi NAD-specific glutamate dehydro	-32.7847	-34.4628	0.722225	1 BH
PITG_08919	Pi conserved hypothetical protein (	-32.7847	-34.4628	0.722225	1 BH
PITG_09737	Pi hypothetical protein (1053 nt)	-32.7847	-34.4628	0.722225	1 BH
PITG_11232	Pi conserved hypothetical protein (	-32.7847	-34.4628	0.722225	1 BH
PITG_11433	Pi conserved hypothetical protein (	-32.7562	-34.5197	0.722225	1 BH
PITG_11895	Pi conserved hypothetical protein (	-32.7847	-34.4628	0.722225	1 BH
PITG_12349	Pi conserved hypothetical protein (	-32.7562	-34.5197	0.722225	1 BH
PITG_13029	Pi conserved hypothetical protein (	-32.7562	-34.5197	0.722225	1 BH
PITG_13319	Pi myosin-like protein (3989 nt)	-32.7847	-34.4628	0.722225	1 BH
PITG_13386	Pi conserved hypothetical protein (	-32.7847	-34.4628	0.722225	1 BH
PITG_13911	Pi conserved hypothetical protein (	-32.7847	-34.4628	0.722225	1 BH
PITG_13913	Pi SUMO protease, putative (2081	-32.7847	-34.4628	0.722225	1 BH
PITG_14089	Pi conserved hypothetical protein (	-32.7562	-34.5197	0.722225	1 BH
PITG_14699	Pi phosphatidylserine synthase, pu	-32.7847	-34.4628	0.722225	1 BH
PITG_15120	Pi Multidrug/Oligosaccharidyl-lipid	-32.7847	-34.4628	0.722225	1 BH

PITG_15856	Pi conserved hypothetical protein (	-32.7562	-34.5197	0.722225	1 BH
PITG_16800	Pi conserved hypothetical protein (	-32.7562	-34.5197	0.722225	1 BH
PITG_18094	Pi conserved hypothetical protein (	-32.7847	-34.4628	0.722225	1 BH
PITG_18257	Pi conserved hypothetical protein (	-32.7847	-34.4628	0.722225	1 BH
PITG_18474	Pi CCR4-NOT transcription comple	-32.7562	-34.5197	0.722225	1 BH
PITG_18641	Pi conserved hypothetical protein (	-32.7562	-34.5197	0.722225	1 BH
PITG_19526	Pi secreted RxLR effector peptide,	-32.7847	-34.4628	0.722225	1 BH
PITG_21877	Pi conserved hypothetical protein (	-32.7562	-34.5197	0.722225	1 BH
PITG_22428	Pi conserved hypothetical protein (	-32.7562	-34.5197	0.722225	1 BH
PITG_22555	Pi conserved hypothetical protein (	-32.7847	-34.4628	0.722225	1 BH
PITG_22839	Pi nuclear mitotic apparatus protei	-32.7847	-34.4628	0.722225	1 BH
PITG_00757	Pi gamma-glutamyltranspeptidase,	-32.729	-34.5741	0.722782	1 BH
PITG_00971	Pi hypothetical protein (249 nt)	-32.7027	-34.6268	0.722782	1 BH
PITG_01653	Pi GPI-anchored wall transfer prote	-32.729	-34.5741	0.722782	1 BH
PITG_01932	Pi conserved hypothetical protein (	-32.729	-34.5741	0.722782	1 BH
PITG_03018	Pi sporangia induced dynein heavy	-32.729	-34.5741	0.722782	1 BH
PITG_04289	Pi ATP-binding Cassette (ABC) Supe	-32.7027	-34.6268	0.722782	1 BH
PITG_04439	Pi hypothetical protein (2797 nt)	-32.729	-34.5741	0.722782	1 BH
PITG_04582	Pi conserved hypothetical protein (	-32.7027	-34.6268	0.722782	1 BH
PITG_05456	Pi DNA mismatch repair protein mi	-32.7027	-34.6268	0.722782	1 BH
PITG_06282	Pi ubiquitin-specific protease, puta	-32.729	-34.5741	0.722782	1 BH
PITG_06380	Pi conserved hypothetical protein (	-32.729	-34.5741	0.722782	1 BH
PITG_06684	Pi conserved hypothetical protein (	-32.7027	-34.6268	0.722782	1 BH
PITG_06902	Pi conserved hypothetical protein (	-32.729	-34.5741	0.722782	1 BH
PITG_07192	Pi conserved hypothetical protein (	-32.7027	-34.6268	0.722782	1 BH
PITG_07445	Pi mucin-like protein (4439 nt)	-32.729	-34.5741	0.722782	1 BH
PITG_07657	Pi conserved hypothetical protein (	-32.7027	-34.6268	0.722782	1 BH
PITG_07823	Pi DNA topoisomerase 2 (2669 nt)	-32.7027	-34.6268	0.722782	1 BH
PITG_07948	Pi choline dehydrogenase, putative	-32.7027	-34.6268	0.722782	1 BH
PITG_08741	Pi conserved hypothetical protein (	-32.7027	-34.6268	0.722782	1 BH
PITG_09281	Pi conserved hypothetical protein (	-32.7027	-34.6268	0.722782	1 BH
PITG_09295	Pi Dicarboxylate/Amino Acid:Catio	-32.729	-34.5741	0.722782	1 BH
PITG_09944	Pi hypothetical protein (1224 nt)	-32.729	-34.5741	0.722782	1 BH
PITG_10561	Pi conserved hypothetical protein (	-32.7027	-34.6268	0.722782	1 BH
PITG_11197	Pi myosin-like protein (3912 nt)	-32.729	-34.5741	0.722782	1 BH
PITG_11489	Pi fatty-acid-CoA ligase, putative (3	-32.729	-34.5741	0.722782	1 BH
PITG_11725	Pi conserved hypothetical protein (	-32.729	-34.5741	0.722782	1 BH
PITG_12355	Pi conserved hypothetical protein (	-32.729	-34.5741	0.722782	1 BH
PITG_12983	Pi synaptic vesicle glycoprotein, pu	-32.7027	-34.6268	0.722782	1 BH
PITG_14014	Pi ATP-binding Cassette (ABC) Supe	-32.729	-34.5741	0.722782	1 BH
PITG_14044	Pi transcription initiation factor TFI	-32.7027	-34.6268	0.722782	1 BH
PITG_14633	Pi conserved hypothetical protein (	-32.7071	-34.6179	0.722782	1 BH
PITG_14704	Pi conserved hypothetical protein (	-32.729	-34.5741	0.722782	1 BH
PITG_15101	Pi conserved hypothetical protein (	-32.729	-34.5741	0.722782	1 BH
PITG_15167	Pi hypothetical protein (1374 nt)	-32.729	-34.5741	0.722782	1 BH
PITG_18204	Pi conserved hypothetical protein (	-32.729	-34.5741	0.722782	1 BH
PITG_18652	Pi Cation Diffusion Facilitator (CDF)	-32.7027	-34.6268	0.722782	1 BH



PITG_19905	Pi calcium/calmodulin dependent p	-32.729	-34.5741	0.722782	1 BH
PITG_22389	Pi conserved hypothetical protein (	-32.7027	-34.6268	0.722782	1 BH
PITG_00953	Pi trafficking protein particle comp	-32.6775	-34.6772	0.72334	1 BH
PITG_06556	Pi transmembrane protein, putativ	-32.6775	-34.6772	0.72334	1 BH
PITG_10315	Pi UDP-sugar pyrophospharylase, p	-32.6775	-34.6772	0.72334	1 BH
PITG_18055	Pi mitochondrial inner membrane	-32.6775	-34.6772	0.72334	1 BH
PITG_18300	Pi conserved hypothetical protein (	-32.7954	-34.4412	0.72334	1 BH
PITG_18815	Pi conserved hypothetical protein (	-32.6775	-34.6772	0.72334	1 BH
PITG_21457	Pi choline transporter-like protein	-32.6775	-34.6772	0.72334	1 BH
PITG_22840	Pi peroxisomal (S)-2-hydroxy-acid c	-32.6775	-34.6772	0.72334	1 BH
PITG_02852	Pi aminoacylase, metalloprotease f	-32.6294	-34.7732	0.7239	1 BH
PITG_02928	Pi berberine-like protein (1530 nt)	-32.6531	-34.7258	0.7239	1 BH
PITG_03515	Pi conserved hypothetical protein (	-32.6531	-34.7258	0.7239	1 BH
PITG_05815	Pi ATP-binding Cassette (ABC) Supε	-32.6294	-34.7732	0.7239	1 BH
PITG_06285	Pi conserved hypothetical protein (	-32.6294	-34.7732	0.7239	1 BH
PITG_09035	Pi conserved hypothetical protein (	-32.6294	-34.7732	0.7239	1 BH
PITG_09495	Pi conserved hypothetical protein (	-32.6294	-34.7732	0.7239	1 BH
PITG_10060	Pi conserved hypothetical protein (	-32.6531	-34.7258	0.7239	1 BH
PITG_12177	Pi hypothetical protein (501 nt)	-32.6531	-34.7258	0.7239	1 BH
PITG_15129	Pi conserved hypothetical protein (	-32.7351	-34.5618	0.7239	1 BH
PITG_17792	Pi F-box protein, putative (2409 nt)	-32.7351	-34.5618	0.7239	1 BH
PITG_18230	Pi glycoside hydrolase, putative (14	-32.6531	-34.7258	0.7239	1 BH
PITG_18575	Pi conserved hypothetical protein (	-32.6294	-34.7732	0.7239	1 BH
PITG_20780	Pi ATPase (3841 nt)	-32.6531	-34.7258	0.7239	1 BH
PITG_21458	Pi conserved hypothetical protein (	-32.6531	-34.7258	0.7239	1 BH
PITG_00330	Pi phosphatidylinositol-4-phosphat	-32.6067	-34.8187	0.724462	1 BH
PITG_02998	Pi S-adenosyl-L-methionine-depend	-32.6067	-34.8187	0.724462	1 BH
PITG_03316	Pi hypothetical protein (459 nt)	-32.814	-34.4041	0.724462	1 BH
PITG_04318	Pi conserved hypothetical protein (	-32.814	-34.4041	0.724462	1 BH
PITG_04677	Pi protein kinase (1359 nt)	-32.814	-34.4041	0.724462	1 BH
PITG_06217	Pi hypothetical protein (365 nt)	-32.814	-34.4041	0.724462	1 BH
PITG_06428	Pi callose synthase, putative (6861	-32.6067	-34.8187	0.724462	1 BH
PITG_06700	Pi cell division cycle protein 48 (20	-32.6067	-34.8187	0.724462	1 BH
PITG_06818	Pi conserved hypothetical protein (	-32.814	-34.4041	0.724462	1 BH
PITG_08089	Pi conserved hypothetical protein (	-32.814	-34.4041	0.724462	1 BH
PITG_08953	Pi double-strand-break repair prot	-32.6067	-34.8187	0.724462	1 BH
PITG_12226	Pi Phosphatidylinositol kinase (PIK-	-32.814	-34.4041	0.724462	1 BH
PITG_12472	Pi palmitoyltransferase, putative (2	-32.814	-34.4041	0.724462	1 BH
PITG_13336	Pi DNA2-like helicase (4864 nt)	-32.814	-34.4041	0.724462	1 BH
PITG_14215	Pi carbohydrate esterase, putative	-32.814	-34.4041	0.724462	1 BH
PITG_18209	Pi glycoside hydrolase, putative (14	-32.814	-34.4041	0.724462	1 BH
PITG_13763	Pi flavodoxin-like protein (725 nt)	-12.4299	1.114398	0.724496	1 BH
PITG_04930	Pi conserved hypothetical protein (	-32.7848	-34.4624	0.725024	1 BH
PITG_05104	Pi conserved hypothetical protein (	-32.6792	-34.6737	0.725024	1 BH
PITG_05276	Pi hypothetical protein (732 nt)	-32.7848	-34.4624	0.725024	1 BH
PITG_06405	Pi conserved hypothetical protein (	-32.7848	-34.4624	0.725024	1 BH
PITG_07116	Pi ATP-binding Cassette (ABC) Supε	-32.7848	-34.4624	0.725024	1 BH

PITG_09195	Pi conserved hypothetical protein (	-32.7848	-34.4624	0.725024	1 BH
PITG_09467	Pi pectin lyase, putative (696 nt)	-32.7848	-34.4624	0.725024	1 BH
PITG_09870	Pi metalloprotease family M13, pu	-32.7848	-34.4624	0.725024	1 BH
PITG_13582	Pi glycosyl hydrolase, putative (312	-32.7848	-34.4624	0.725024	1 BH
PITG_15140	Pi conserved hypothetical protein (	-32.7848	-34.4624	0.725024	1 BH
PITG_16847	Pi conserved hypothetical protein (	-32.7848	-34.4624	0.725024	1 BH
PITG_16928	Pi conserved hypothetical protein (	-32.7848	-34.4624	0.725024	1 BH
PITG_17741	Pi serine protease family S33, puta	-32.7848	-34.4624	0.725024	1 BH
PITG_19080	Pi conserved hypothetical protein (	-32.7848	-34.4624	0.725024	1 BH
PITG_19679	Pi elongation factor G, putative (9C	-32.7848	-34.4624	0.725024	1 BH
PITG_20496	Pi conserved hypothetical protein (	-32.7848	-34.4624	0.725024	1 BH
PITG_22238	Pi conserved hypothetical protein (	-32.7848	-34.4624	0.725024	1 BH
PITG_23215	Pi secreted RxLR effector peptide,	-32.6792	-34.6737	0.725024	1 BH
PITG_01966	Pi conserved hypothetical protein (	-32.7566	-34.519	0.725024	1 BH
PITG_05283	Pi hypothetical protein (1701 nt)	-32.7566	-34.519	0.725024	1 BH
PITG_06363	Pi conserved hypothetical protein (	-32.7566	-34.519	0.725024	1 BH
PITG_07895	Pi sulfatase-like protein (2741 nt)	-32.7566	-34.519	0.725024	1 BH
PITG_07940	Pi conserved hypothetical protein (	-32.7566	-34.519	0.725024	1 BH
PITG_08768	Pi hypothetical protein (1452 nt)	-32.7566	-34.519	0.725024	1 BH
PITG_09010	Pi calcium/calmodulin-dependent	-32.7566	-34.519	0.725024	1 BH
PITG_10557	Pi conserved hypothetical protein (	-32.7566	-34.519	0.725024	1 BH
PITG_11889	Pi putative GPI-anchored serine-th	-32.7566	-34.519	0.725024	1 BH
PITG_13077	Pi geranylgeranyl pyrophosphate s	-32.7566	-34.519	0.725024	1 BH
PITG_13738	Pi conserved hypothetical protein (	-32.7566	-34.519	0.725024	1 BH
PITG_14155	Pi nitrate reductase, putative (176!	-32.7566	-34.519	0.725024	1 BH
PITG_16972	Pi conserved hypothetical protein (	-32.7566	-34.519	0.725024	1 BH
PITG_17304	Pi conserved hypothetical protein (	-32.7566	-34.519	0.725024	1 BH
PITG_20485	Pi conserved hypothetical protein (	-32.7566	-34.519	0.725024	1 BH
PITG_20579	Pi conserved hypothetical protein (	-32.7566	-34.519	0.725024	1 BH
PITG_01787	Pi conserved hypothetical protein (	-32.7954	-34.4413	0.725588	1 BH
PITG_15878	Pi conserved hypothetical protein (	-32.7954	-34.4413	0.725588	1 BH
PITG_02552	Pi conserved hypothetical protein (	-32.7296	-34.5729	0.725588	1 BH
PITG_03398	Pi histidyl-tRNA synthetase, putativ	-32.7296	-34.5729	0.725588	1 BH
PITG_06502	Pi conserved hypothetical protein (	-32.7296	-34.5729	0.725588	1 BH
PITG_08023	Pi HECT E3 ubiquitin ligase, putativ	-32.7296	-34.5729	0.725588	1 BH
PITG_08811	Pi Zinc (Zn <sup>2+</sup> )-Iron (Fe <sup>2+</sup> ) Permease	-32.7296	-34.5729	0.725588	1 BH
PITG_12555	Pi elicitin-like protein, putative (36	-32.7296	-34.5729	0.725588	1 BH
PITG_13155	Pi conserved hypothetical protein (	-32.7296	-34.5729	0.725588	1 BH
PITG_17116	Pi conserved hypothetical protein (	-32.7296	-34.5729	0.725588	1 BH
PITG_20200	Pi vacuolar protein sorting-associat	-32.7296	-34.5729	0.725588	1 BH
PITG_20534	Pi conserved hypothetical protein (	-32.7296	-34.5729	0.725588	1 BH
PITG_01468	Pi conserved hypothetical protein (	-32.6784	-34.6754	0.726153	1 BH
PITG_01815	Pi conserved hypothetical protein (	-32.6784	-34.6754	0.726153	1 BH
PITG_06031	Pi conserved hypothetical protein (	-32.7036	-34.6248	0.726153	1 BH
PITG_07297	Pi conserved hypothetical protein (	-32.6784	-34.6754	0.726153	1 BH
PITG_08051	Pi conserved hypothetical protein (	-32.7036	-34.6248	0.726153	1 BH
PITG_08888	Pi protein kinase, putative (2280 nt)	-32.6784	-34.6754	0.726153	1 BH

PITG_09670	Pi protein kinase (621 nt)	-32.7036	-34.6248	0.726153	1 BH
PITG_10558	Pi conserved hypothetical protein (	-32.6784	-34.6754	0.726153	1 BH
PITG_14100	Pi conserved hypothetical protein (	-32.6784	-34.6754	0.726153	1 BH
PITG_15608	Pi conserved hypothetical protein (	-32.7036	-34.6248	0.726153	1 BH
PITG_16256	Pi conserved hypothetical protein (	-32.7036	-34.6248	0.726153	1 BH
PITG_17317	Pi hypothetical protein (752 nt)	-32.6784	-34.6754	0.726153	1 BH
PITG_17520	Pi conserved hypothetical protein (	-32.7036	-34.6248	0.726153	1 BH
PITG_18498	Pi conserved hypothetical protein (	-32.6784	-34.6754	0.726153	1 BH
PITG_20529	Pi conserved hypothetical protein (	-32.7036	-34.6248	0.726153	1 BH
PITG_21723	Pi ATP-binding Cassette (ABC) Supe	-32.7036	-34.6248	0.726153	1 BH
PITG_22394	Pi conserved hypothetical protein (	-32.6784	-34.6754	0.726153	1 BH
PITG_00342	Pi conserved hypothetical protein (	-32.7344	-34.5634	0.72672	1 BH
PITG_02084	Pi golgi reassembly-stacking protei	-32.6542	-34.7238	0.72672	1 BH
PITG_02577	Pi conserved hypothetical protein (	-32.6542	-34.7238	0.72672	1 BH
PITG_07636	Pi serine protease family S15, puta	-32.6542	-34.7238	0.72672	1 BH
PITG_11258	Pi conserved hypothetical protein (	-32.7344	-34.5634	0.72672	1 BH
PITG_12330	Pi cleavage and polyadenylation sp	-32.6542	-34.7238	0.72672	1 BH
PITG_12592	Pi conserved hypothetical protein (	-32.6542	-34.7238	0.72672	1 BH
PITG_17422	Pi hypothetical protein (1292 nt)	-32.7344	-34.5634	0.72672	1 BH
PITG_19797	Pi amino acid/auxin permease-like	-32.7344	-34.5634	0.72672	1 BH
PITG_19977	Pi haloacid dehalogenase-like hydr	-32.6542	-34.7238	0.72672	1 BH
PITG_20212	Pi intraflagellar transport protein 1	-32.6542	-34.7238	0.72672	1 BH
PITG_21531	Pi carbohydrate-binding protein, pi	-32.6542	-34.7238	0.72672	1 BH
PITG_22632	Pi polysaccharide lyase, putative (3	-32.6542	-34.7238	0.72672	1 BH
PITG_15358	Pi calreticulin precursor (1415 nt)	-9.90455	-0.48946	0.726949	1 BH
PITG_14110	Pi endoplasmic reticulum-Golgi int	-12.8675	0.850291	0.727016	1 BH
PITG_20685	Pi conserved hypothetical protein (	-14.3345	-0.4185	0.727252	1 BH
PITG_15639	Pi hypothetical protein (570 nt)	-9.87644	0.663027	0.727318	1 BH
PITG_11521	Pi Zinc (Zn <sup>2+</sup> )-Iron (Fe <sup>2+</sup> ) Permease	-14.3266	-0.43554	0.728035	1 BH
PITG_08210	Pi proteasome subunit beta type-3	-12.2296	-0.41802	0.728177	1 BH
PITG_04382	Pi 50S ribosomal protein L27 (478 i	-14.3171	-0.45563	0.728817	1 BH
PITG_00716	Pi thioredoxin, putative (734 nt)	-12.8705	-0.43024	0.728876	1 BH
PITG_07846	Pi glycylopeptide N-tetradecanoyltri	-13.3104	-0.6296	0.729622	1 BH
PITG_21333	Pi hypothetical protein (1330 nt)	-11.9443	0.959146	0.730729	1 BH
PITG_06604	Pi fumarate hydratase, mitochondr	-13.6749	1.13312	0.733015	1 BH
PITG_06603	Pi hypothetical protein (468 nt)	-14.3232	-0.45213	0.734274	1 BH
PITG_08206	Pi signal peptidase complex subuni	-14.3232	-0.45213	0.734274	1 BH
PITG_03783	Pi Mitochondrial Protein Transloca	-12.5589	-0.31985	0.73809	1 BH
PITG_00967	Pi conserved hypothetical protein (	-14.1102	0.981466	0.738156	1 BH
PITG_03843	Pi conserved hypothetical protein (	-12.567	-0.30839	0.740072	1 BH
PITG_04125	Pi glycosyl transferase, putative (1!	-10.9428	-0.4422	0.741003	1 BH
PITG_17804	Pi Amino Acid/Auxin Permease (AA	-13.3308	1.135094	0.74254	1 BH
PITG_12049	Pi conserved hypothetical protein (	-11.2295	-0.43674	0.742798	1 BH
PITG_01599	Pi coronin-like protein, putative (1!	-13.3277	-0.62261	0.742822	1 BH
PITG_08744	Pi long-chain-fatty-acid-CoA ligase	-11.2809	-0.3582	0.742843	1 BH
PITG_20901	Pi voltage-dependent anion-selecti	-10.9328	0.749444	0.742871	1 BH
PITG_05498	Pi heat shock protein 90, putative (	-12.8951	-0.41494	0.743511	1 BH

PITG_00164	Pi conserved hypothetical protein (	-14.3429	-0.42961	0.744341	1 BH
PITG_10455	Pi conserved hypothetical protein (	-14.3429	-0.42961	0.744341	1 BH
PITG_16198	Pi 60S ribosomal protein L18a (175	-9.64065	0.669483	0.745845	1 BH
PITG_09626	Pi transcription factor BTF3-like pro	-9.3597	-0.4989	0.74893	1 BH
PITG_01223	Pi conserved hypothetical protein (	-14.3497	-0.43092	0.7528	1 BH
PITG_03277	Pi pyruvate dehydrogenase E1 cor	-11.1472	0.652872	0.752801	1 BH
PITG_18089	Pi protein transporter Sec61 subun	-11.4902	0.692841	0.753801	1 BH
PITG_02694	Pi 60S ribosomal protein L23a (830	-9.14413	0.592709	0.754121	1 BH
PITG_18053	Pi dolichyl-diphosphooligosacchari	-13.43	-0.36588	0.758599	1 BH
PITG_22685	Pi dihydroxy-acid dehydratase, put	-13.427	-0.37189	0.758599	1 BH
PITG_03463	Pi carbohydrate esterase, putative	-13.4541	-0.31946	0.759427	1 BH
PITG_09441	Pi Mitochondrial Protein Transloca	-11.8082	-0.44098	0.759948	1 BH
PITG_19448	Pi 50S ribosomal protein L17, puta	-14.211	-0.66425	0.760703	1 BH
PITG_00189	Pi conserved hypothetical protein (	-14.1618	-0.76386	0.761433	1 BH
PITG_12154	Pi conserved hypothetical protein (	-14.1987	-0.69131	0.762162	1 BH
PITG_04372	Pi conserved hypothetical protein (	-14.1642	-0.76156	0.76289	1 BH
PITG_05497	Pi conserved hypothetical protein (	-12.9788	-0.22033	0.762972	1 BH
PITG_00183	Pi dynamin-2 (2133 nt)	-14.1838	-0.72475	0.764343	1 BH
PITG_05542	Pi 3-hydroxyacyl-CoA dehydrogena	-14.2027	-0.68822	0.765068	1 BH
PITG_18104	Pi conserved hypothetical protein (	-14.2208	-0.65201	0.765068	1 BH
PITG_04065	Pi glycerol-3-phosphate dehydroge	-12.9781	-0.22863	0.765564	1 BH
PITG_19157	Pi conserved hypothetical protein (	-13.4511	-0.34253	0.766795	1 BH
PITG_02902	Pi carbohydrate esterase, putative	-14.1698	-0.75778	0.767238	1 BH
PITG_13918	Pi N-terminal acetyltransferase A c	-14.1958	-0.70578	0.767238	1 BH
PITG_14598	Pi prolyl endopeptidase, putative (	-14.224	-0.65051	0.76796	1 BH
PITG_12561	Pi elicitin INF2A-like protein (567 n	-10.4609	0.609307	0.768905	1 BH
PITG_03081	Pi 26S proteasome non-ATPase reg	-12.9786	-0.23664	0.768988	1 BH
PITG_09563	Pi 40S ribosomal protein S9-1 (813	-8.84796	-0.46343	0.770979	1 BH
PITG_11071	Pi conserved hypothetical protein (	-12.9074	-0.35647	0.775245	1 BH
PITG_00488	Pi conserved hypothetical protein (	-10.7913	0.582549	0.776112	1 BH
PITG_13237	Pi alpha-actinin-1, putative (3164 r	-14.2325	-0.64913	0.77655	1 BH
PITG_12528	Pi conserved hypothetical protein (	-10.3514	0.576526	0.776574	1 BH
PITG_08765	Pi RNA binding protein, putative (5	-13.3717	-0.48249	0.777806	1 BH
PITG_20188	Pi 60S ribosomal protein L5 (1120 i	-8.66026	0.585377	0.777926	1 BH
PITG_16984	Pi cellulose synthase 4 (3531 nt)	-14.1887	-0.73922	0.77797	1 BH
PITG_13682	Pi hypothetical protein (564 nt)	-11.2562	0.727087	0.778198	1 BH
PITG_15697	Pi 60S ribosomal protein L11, puta	-9.44662	0.605613	0.778726	1 BH
PITG_10974	Pi elongation factor 1-gamma, puta	-10.4801	0.572059	0.780283	1 BH
PITG_03685	Pi 2-amino-3-ketobutyrate coenzym	-13.454	-0.37404	0.781914	1 BH
PITG_06408	Pi conserved hypothetical protein (	-11.9186	-0.20736	0.783688	1 BH
PITG_22572	Pi C-1-tetrahydrofolate synthase, p	-13.3669	-0.51663	0.787807	1 BH
PITG_09540	Pi 60S ribosomal protein L19-1 (77	-8.70375	-0.4373	0.787987	1 BH
PITG_11047	Pi T-complex protein 1 subunit eta	-13.1938	0.930465	0.793815	1 BH
PITG_21988	Pi conserved hypothetical protein (	-32.4503	-35.1314	0.796621	1 BH
PITG_10471	Pi conserved hypothetical protein (	-32.4483	-35.1356	0.798181	1 BH
PITG_20682	Pi ATP-binding Cassette (ABC) Sup	-32.4483	-35.1356	0.798181	1 BH
PITG_21767	Pi similar to sea slug pheromone (7	-32.4483	-35.1356	0.798181	1 BH

PITG_23049	Pi cyst germination specific acidic r	-32.4483	-35.1356	0.798181	1	BH
PITG_11846	Pi conserved hypothetical protein (	-32.4889	-35.0543	0.798703	1	BH
PITG_02692	Pi conserved hypothetical protein (	-32.4307	-35.1708	0.798703	1	BH
PITG_08463	Pi coatomer subunit epsilon, putat	-32.4307	-35.1708	0.798703	1	BH
PITG_16204	Pi protein kinase (4683 nt)	-32.4307	-35.1708	0.798703	1	BH
PITG_17933	Pi croquemort-like mating protein	-32.4307	-35.1708	0.798703	1	BH
PITG_20302	Pi conserved hypothetical protein (	-32.4307	-35.1708	0.798703	1	BH
PITG_22017	Pi Crinkler (CRN) family protein (53	-32.4307	-35.1708	0.798703	1	BH
PITG_22524	Pi conserved hypothetical protein (	-32.4307	-35.1708	0.798703	1	BH
PITG_19669	Pi ubiquitin-like protein/ribosomal	-8.90372	0.479667	0.802913	1	BH
PITG_00471	Pi pyridoxal biosynthesis lyase pdx'	-9.06071	0.347782	0.804363	1	BH
PITG_16757	Pi 40S ribosomal protein S15a (853	-10.2386	-0.30799	0.805558	1	BH
PITG_06016	Pi glucokinase, putative (1245 nt)	-12.2431	-0.42663	0.806077	1	BH
PITG_10202	Pi hypothetical protein (698 nt)	-8.54137	-0.40976	0.806666	1	BH
PITG_05373	Pi alcohol dehydrogenase class-3, p	-12.6734	-0.10305	0.808309	1	BH
PITG_14575	Pi U6 snRNA-associated Sm-like pro	-12.6763	-0.09711	0.808309	1	BH
PITG_22406	Pi conserved hypothetical protein (	-11.3446	0.583383	0.809073	1	BH
PITG_08711	Pi hsp90-like protein (1250 nt)	-12.3587	-0.16473	0.811118	1	BH
PITG_17730	Pi conserved hypothetical protein (	-13.028	-0.11979	0.814553	1	BH
PITG_18774	Pi Mitochondrial Carrier (MC) Fami	-11.0904	0.543252	0.815766	1	BH
PITG_00518	Pi nucleoredoxin, putative (587 nt)	-11.0256	-0.22955	0.817816	1	BH
PITG_01762	Pi glycyl-tRNA synthetase (2046 nt)	-13.5343	0.89294	0.819182	1	BH
PITG_13849	Pi GDP-mannose transporter, puta	-13.5695	0.958656	0.820409	1	BH
PITG_10858	Pi glycine cleavage system H protei	-10.9416	0.518938	0.821734	1	BH
PITG_03220	Pi proteasome subunit beta type-7	-11.7905	-0.1159	0.823546	1	BH
PITG_11766	Pi 40S ribosomal protein S3a (1393	-8.90761	0.486791	0.827144	1	BH
PITG_15890	Pi threonine protease family T01A,	-12.0077	0.605581	0.828349	1	BH
PITG_10513	Pi proteasome subunit alpha type-	-11.5304	0.564556	0.829464	1	BH
PITG_13683	Pi NADH dehydrogenase flavoprote	-12.1944	0.691754	0.832081	1	BH
PITG_02137	Pi serine/threonine-protein phosph	-13.5166	-0.19815	0.832409	1	BH
PITG_12122	Pi proteasome subunit alpha type-	-11.7278	-0.23877	0.833102	1	BH
PITG_05938	Pi conserved hypothetical protein (	-13.0229	1.117771	0.834276	1	BH
PITG_09432	Pi nucleolar protein NOP5 (1865 nt)	-13.5104	-0.22573	0.837016	1	BH
PITG_12961	Pi alanyl-tRNA synthetase, mitoch	-13.5093	-0.23379	0.838723	1	BH
PITG_10300	Pi electron transfer flavoprotein su	-12.3919	-0.09333	0.843913	1	BH
PITG_22135	Pi 60S ribosomal protein L10a-1 (8'	-8.88715	0.382159	0.84426	1	BH
PITG_09512	Pi prohibitin-2 (1326 nt)	-11.478	0.672861	0.848191	1	BH
PITG_15377	Pi conserved hypothetical protein (	-13.5108	-0.26432	0.848207	1	BH
PITG_02022	Pi clathrin heavy chain (5547 nt)	-12.7897	0.679281	0.848492	1	BH
PITG_03235	Pi 60S ribosomal protein L35a-4 (7'	-8.96331	-0.36458	0.84851	1	BH
PITG_03762	Pi 60S ribosomal protein L38, putat	-8.44203	-0.24805	0.849986	1	BH
PITG_14935	Pi Mitochondrial Carrier (MC) Fami	-14.4293	-0.22883	0.851228	1	BH
PITG_21283	Pi conserved hypothetical protein (	-14.4189	-0.25085	0.851655	1	BH
PITG_14608	Pi 39S ribosomal protein L24, mito	-14.4528	-0.18802	0.85336	1	BH
PITG_17093	Pi 60S ribosomal protein L24, putat	-9.30686	0.45523	0.855014	1	BH
PITG_11302	Pi hypothetical protein (455 nt)	-14.4261	-0.24646	0.855059	1	BH
PITG_10616	Pi endoplasmic reticulum-Golgi int	-14.4161	-0.27025	0.85633	1	BH

PITG_19608	Pi ribosomal protein L7Ae/L30e/S1	-14.2586	1.281939	0.85633	1 BH
PITG_03916	Pi ribosomal protein L28, putative	-9.20031	-0.26196	0.857034	1 BH
PITG_17261	Pi 60S acidic ribosomal protein P0	-9.44654	0.368863	0.860728	1 BH
PITG_10929	Pi proteasome subunit alpha, puta	-11.9766	0.535711	0.861008	1 BH
PITG_08703	Pi conserved hypothetical protein (	-8.45959	0.334354	0.864692	1 BH
PITG_19282	Pi conserved hypothetical protein (	-12.594	-0.25694	0.86597	1 BH
PITG_08024	Pi conserved hypothetical protein (	-14.4723	-0.19838	0.868923	1 BH
PITG_03632	Pi H - or Na -translocating F-type, v	-10.4195	-0.279	0.869984	1 BH
PITG_07278	Pi protein kinase, putative (1325 nt	-13.0815	-0.01052	0.870978	1 BH
PITG_11036	Pi NADH dehydrogenase [ubiquino	-13.0567	-0.06004	0.870978	1 BH
PITG_10967	Pi ras GTPase-activating protein-bi	-14.2416	-0.60301	0.871148	1 BH
PITG_02210	Pi phenylalanine-4-hydroxylase, he	-14.272	-0.54341	0.871541	1 BH
PITG_08578	Pi Mitochondrial Carrier (MC) Fami	-14.2729	-0.54168	0.871541	1 BH
PITG_13275	Pi conserved hypothetical protein (	-14.2803	-0.52681	0.871541	1 BH
PITG_14831	Pi conserved hypothetical protein (	-14.2587	-0.57009	0.871541	1 BH
PITG_15657	Pi conserved hypothetical protein (	-14.2838	-0.51991	0.871541	1 BH
PITG_09655	Pi putative tyrosine-protein phosph	-13.081	-0.01591	0.871928	1 BH
PITG_11886	Pi ubiquitin family protein, putativ	-14.2581	-0.57614	0.873108	1 BH
PITG_20209	Pi conserved hypothetical protein (	-14.2664	-0.56086	0.873498	1 BH
PITG_07887	Pi 26S proteasome non-ATPase reg	-14.2406	-0.61359	0.873888	1 BH
PITG_02267	Pi coatomer subunit beta, putative	-14.2423	-0.61281	0.874667	1 BH
PITG_08193	Pi elicitin-like protein (357 nt)	-14.0187	0.805942	0.875443	1 BH
PITG_00663	Pi rRNA methyltransferase, putativ	-14.0766	0.919915	0.875831	1 BH
PITG_00850	Pi thioredoxin-dependent peroxide	-13.0185	0.582247	0.876601	1 BH
PITG_03873	Pi rab GDP dissociation inhibitor al	-13.0246	0.594451	0.876601	1 BH
PITG_05694	Pi transcription elongation factor S	-14.065	0.892949	0.876604	1 BH
PITG_13371	Pi 60S ribosomal protein L31, puta	-9.27987	0.315798	0.877978	1 BH
PITG_11703	Pi lectin, putative (1278 nt)	-14.0978	0.950945	0.878146	1 BH
PITG_22249	Pi hypothetical protein (616 nt)	-14.0555	0.864428	0.87853	1 BH
PITG_04931	Pi conserved hypothetical protein (	-14.0859	0.921233	0.879298	1 BH
PITG_10979	Pi elongation factor 1-gamma, puta	-14.1004	0.95036	0.879298	1 BH
PITG_16366	Pi conserved hypothetical protein (	-12.4239	-0.02681	0.879487	1 BH
PITG_07173	Pi 40S ribosomal protein S15 (870	-9.27635	0.308764	0.881867	1 BH
PITG_09345	Pi 40S ribosomal protein S5-2 (106	-8.67464	0.289477	0.885082	1 BH
PITG_01041	Pi 60S acidic ribosomal protein P2,	-10.2186	-0.14576	0.888983	1 BH
PITG_13157	Pi suppressor of necrosis 1, putativ	-14.0918	0.879109	0.88951	1 BH
PITG_11099	Pi 60S ribosomal protein L18-2 (13	-8.91337	0.36943	0.892312	1 BH
PITG_18048	Pi aconitate hydratase, mitochondi	-11.3576	0.411747	0.897799	1 BH
PITG_16736	Pi adenylosuccinate synthetase (16	-12.7363	0.595485	0.898331	1 BH
PITG_17593	Pi conserved hypothetical protein (	-12.7421	0.607051	0.898331	1 BH
PITG_11615	Pi homoserine dehydrogenase, put	-12.729	0.573318	0.899502	1 BH
PITG_02483	Pi 3-ketodihydrosphingosine reduc	-12.2254	0.010916	0.899761	1 BH
PITG_06430	Pi conserved hypothetical protein (	-12.7472	0.584162	0.903338	1 BH
PITG_20412	Pi putative GPI-anchored serine ric	-12.6264	-0.18472	0.907022	1 BH
PITG_20718	Pi conserved hypothetical protein (	-13.5822	-0.06337	0.911181	1 BH
PITG_15467	Pi conserved hypothetical protein (	-13.5801	-0.07117	0.911794	1 BH
PITG_18752	Pi small nuclear ribonucleoprotein-	-13.5602	-0.11285	0.9121	1 BH

PITG_14173	Pi endo-1,3(4)-beta-glucanase, put	-13.5789	-0.08308	0.913315	1	BH
PITG_11127	Pi coatomer subunit delta, putative	-13.5398	-0.16708	0.914219	1	BH
PITG_20118	Pi 50S ribosomal protein L15 (753 nt)	-13.4613	0.731023	0.915714	1	BH
PITG_07903	Pi 26S proteasome non-ATPase reg	-13.4663	0.729774	0.917193	1	BH
PITG_19871	Pi cell division control protein 48 (2	-11.9067	-0.21822	0.918014	1	BH
PITG_07300	Pi 60S ribosomal protein L35 (797 nt)	-9.23618	0.227537	0.920081	1	BH
PITG_21378	Pi protein disulfide-isomerase, put	-9.9668	0.260339	0.922671	1	BH
PITG_18934	Pi calreticulin precursor (1415 nt)	-9.82819	-0.2335	0.923119	1	BH
PITG_09793	Pi small cysteine rich protein SCR10	-9.40257	-0.22809	0.923902	1	BH
PITG_09442	Pi 40S ribosomal protein S21 (659 nt)	-8.82197	-0.12935	0.927606	1	BH
PITG_03221	Pi 40S ribosomal protein S18 (948 nt)	-8.17286	-0.14489	0.927719	1	BH
PITG_00062	Pi Mitochondrial Protein Transloca	-12.2388	0.445986	0.930298	1	BH
PITG_19161	Pi pyruvate dehydrogenase E1 cor	-12.2511	0.805161	0.93114	1	BH
PITG_09015	Pi NADH ubiquinone oxidoreductas	-13.112	0.052739	0.93266	1	BH
PITG_00693	Pi plasma membrane H+-ATPase, p	-12.2408	0.018635	0.934163	1	BH
PITG_15553	Pi inorganic pyrophosphatase, put	-13.1193	0.017264	0.937968	1	BH
PITG_14175	Pi conserved hypothetical protein (	-13.1559	0.067208	0.940288	1	BH
PITG_13699	Pi crinkler (CRN) family protein, ps	-8.2225	-0.15634	0.94036	1	BH
PITG_10031	Pi lysosomal alpha-mannosidase, p	-13.1455	0.044044	0.940518	1	BH
PITG_01797	Pi 26S protease regulatory subunit	-12.9864	0.510828	0.941033	1	BH
PITG_07947	Pi secreted RxLR effector peptide,	-10.826	0.283859	0.941147	1	BH
PITG_03906	Pi Type II (General) Secretory Path	-12.95	-0.27134	0.941462	1	BH
PITG_00613	Pi 26S protease regulatory subunit	-12.9537	-0.26835	0.941904	1	BH
PITG_14850	Pi 40S ribosomal protein S7 (909 nt)	-9.90017	0.200439	0.942677	1	BH
PITG_00179	Pi 40S ribosomal protein S12, puta	-8.84494	0.163829	0.946491	1	BH
PITG_20686	Pi hypothetical protein (273 nt)	-12.6849	0.492637	0.950576	1	BH
PITG_02058	Pi conserved hypothetical protein (	-12.7006	0.49614	0.952658	1	BH
PITG_20264	Pi 40S ribosomal protein S13 (784 nt)	-9.41192	-0.04488	0.955809	1	BH
PITG_06404	Pi conserved hypothetical protein (	-9.97863	-0.0168	0.957786	1	BH
PITG_10887	Pi 40S ribosomal protein S11 (1081	-9.38251	0.149281	0.957794	1	BH
PITG_11630	Pi eukaryotic translation initiation	-11.6039	0.051555	0.957931	1	BH
PITG_10263	Pi 60S ribosomal protein L37a, put	-8.54204	-0.06251	0.958489	1	BH
PITG_20489	Pi mucin-like protein (2163 nt)	-12.7426	0.477415	0.959758	1	BH
PITG_01700	Pi inositol-3-phosphate synthase, p	-12.1995	0.367293	0.965849	1	BH
PITG_20487	Pi conserved hypothetical protein (	-12.3445	0.141116	0.969379	1	BH
PITG_12990	Pi glutathione transferase, theta cl	-10.6512	-0.20711	0.969497	1	BH
PITG_14739	Pi PexRD8 family secreted RxLR eff	-11.6275	0.118642	0.977936	1	BH
PITG_10972	Pi thioredoxin-like protein (1089 nt)	-11.6145	0.085248	0.978213	1	BH
PITG_18776	Pi cytochrome c1, mitochondrial pi	-11.5053	0.117427	0.979715	1	BH
PITG_06449	Pi pyruvate carboxylase, putative (	-11.5235	0.079856	0.982251	1	BH
PITG_09552	Pi conserved hypothetical protein (	-9.02317	0.001705	0.985756	1	BH
PITG_20795	Pi ribosomal protein (659 nt)	-9.04522	0.009103	0.988152	1	BH
PITG_13500	Pi 40S ribosomal protein S4 (1129 nt)	-9.13556	0.026296	0.993498	1	BH
PITG_02578	Pi 60S ribosomal protein L15-1 (62	-9.34149	0.070178	0.996217	1	BH
PITG_03239	Pi 60S ribosomal protein L27 (1037	-8.88115	0.03073	0.997305	1	BH
PITG_10863	Pi 60S ribosomal protein L32-1 (72	-8.71839	0.043307	0.997651	1	BH
PITG_18375	Pi UDP-glucose 6-dehydrogenase (	-14.8487	0.598792	1	1	BH

PITG_03101	Pi conserved hypothetical protein (	-15.0244	0.9438	1	1 BH
PITG_01582	Pi hypothetical protein (601 nt)	-32.5602	-34.9118	1	1 BH
PITG_01825	Pi conserved hypothetical protein (	-32.5602	-34.9118	1	1 BH
PITG_02797	Pi ribosomal RNA large subunit me	-32.5602	-34.9118	1	1 BH
PITG_03111	Pi conserved hypothetical protein (	-32.5602	-34.9118	1	1 BH
PITG_03146	Pi conserved hypothetical protein (	-32.5602	-34.9118	1	1 BH
PITG_03555	Pi importin-like protein (3240 nt)	-15.1465	1.184138	1	1 BH
PITG_05884	Pi AP-2 complex subunit beta, puta	-14.5904	0.083487	1	1 BH
PITG_07302	Pi histone acetyltransferase, putati	-32.5602	-34.9118	1	1 BH
PITG_08688	Pi conserved hypothetical protein (	-32.5602	-34.9118	1	1 BH
PITG_09640	Pi ATP phosphoribosyltransferase (	-14.5517	0.006018	1	1 BH
PITG_10053	Pi conserved hypothetical protein (	-32.5602	-34.9118	1	1 BH
PITG_10351	Pi conserved hypothetical protein (	-32.5602	-34.9118	1	1 BH
PITG_10892	Pi hypothetical protein (1141 nt)	-32.5602	-34.9118	1	1 BH
PITG_11653	Pi conserved hypothetical protein (	-14.7904	0.469444	1	1 BH
PITG_12000	Pi conserved hypothetical protein (	-32.5602	-34.9118	1	1 BH
PITG_13439	Pi conserved hypothetical protein (	-32.5602	-34.9118	1	1 BH
PITG_13845	Pi conserved hypothetical protein (	-32.5602	-34.9118	1	1 BH
PITG_15077	Pi serine protease family S33, puta	-32.5602	-34.9118	1	1 BH
PITG_16328	Pi tyrosyl-tRNA synthetase, putativ	-14.5603	0.023269	1	1 BH
PITG_16491	Pi conserved hypothetical protein (	-32.5602	-34.9118	1	1 BH
PITG_20797	Pi tubulin-specific chaperone B, pu	-32.5602	-34.9118	1	1 BH
PITG_00023	Pi mitoferrin-like protein (1812 nt)	-32.7854	-34.4613	1	1 BH
PITG_00216	Pi conserved hypothetical protein (	-13.7573	0.286926	1	1 BH
PITG_00233	Pi Major Facilitator Superfamily (M	-32.8156	-34.4008	1	1 BH
PITG_00281	Pi Major Facilitator Superfamily (M	-32.7854	-34.4613	1	1 BH
PITG_00422	Pi Zinc (Zn <sup>2+</sup> )-Iron (Fe <sup>2+</sup> ) Permease	-32.8156	-34.4008	1	1 BH
PITG_00468	Pi conserved hypothetical protein (	-32.8473	-34.3375	1	1 BH
PITG_00483	Pi pumilio-like mating protein M90	-32.8473	-34.3375	1	1 BH
PITG_00524	Pi conserved hypothetical protein (	-32.8473	-34.3375	1	1 BH
PITG_00664	Pi conserved hypothetical protein (	-32.8156	-34.4008	1	1 BH
PITG_00697	Pi conserved hypothetical protein (	-14.6887	0.282513	1	1 BH
PITG_00762	Pi conserved hypothetical protein (	-32.8156	-34.4008	1	1 BH
PITG_01112	Pi UDP-3-O-[3-hydroxymyristoyl] g	-32.8156	-34.4008	1	1 BH
PITG_01343	Pi serine protease family S10, puta	-32.8473	-34.3375	1	1 BH
PITG_01579	Pi transcription factor, putative (15	-32.5598	-34.9124	1	1 BH
PITG_01689	Pi hydroxyacylglutathione hydrolas	-32.8156	-34.4008	1	1 BH
PITG_01745	Pi NEDD4-like ubiquitin ligase, puta	-32.8473	-34.3375	1	1 BH
PITG_01850	Pi kinesin-like protein (7582 nt)	-32.7854	-34.4613	1	1 BH
PITG_01898	Pi conserved hypothetical protein (	-32.8156	-34.4008	1	1 BH
PITG_02011	Pi calcineurin subunit B, putative (1	-32.8473	-34.3375	1	1 BH
PITG_02157	Pi conserved hypothetical protein (	-32.8473	-34.3375	1	1 BH
PITG_02194	Pi conserved hypothetical protein (	-32.5602	-34.9118	1	1 BH
PITG_02208	Pi conserved hypothetical protein (	-32.8156	-34.4008	1	1 BH
PITG_02391	Pi conserved hypothetical protein (	-32.8156	-34.4008	1	1 BH
PITG_02452	Pi conserved hypothetical protein (	-32.7854	-34.4613	1	1 BH
PITG_02456	Pi conserved hypothetical protein (	-32.8473	-34.3375	1	1 BH



PITG_02490	Pi conserved hypothetical protein (	-32.7854	-34.4613	1	1 BH
PITG_02629	Pi nucleolin, putative (1642 nt)	-15.3432	1.589124	1	1 BH
PITG_02824	Pi Sulfate Permease (SulP) Family (	-32.7854	-34.4613	1	1 BH
PITG_02895	Pi selenoprotein O, putative (1914	-32.7854	-34.4613	1	1 BH
PITG_03263	Pi conserved hypothetical protein (	-32.7854	-34.4613	1	1 BH
PITG_03371	Pi acyltransferase, putative (1770 r	-32.8156	-34.4008	1	1 BH
PITG_03650	Pi conserved hypothetical protein (	-32.8473	-34.3375	1	1 BH
PITG_03863	Pi conserved hypothetical protein (	-32.8156	-34.4008	1	1 BH
PITG_04113	Pi conserved hypothetical protein (	-32.5385	-34.9551	1	1 BH
PITG_04709	Pi DNA ligase, putative (12166 nt)	-32.8156	-34.4008	1	1 BH
PITG_05633	Pi conserved hypothetical protein (	-32.8473	-34.3375	1	1 BH
PITG_05701	Pi NAD-dependent glycerol-3-phos	-32.5602	-34.9118	1	1 BH
PITG_05780	Pi conserved hypothetical protein (	-32.5598	-34.9124	1	1 BH
PITG_06165	Pi conserved hypothetical protein (	-32.8473	-34.3375	1	1 BH
PITG_06507	Pi conserved hypothetical protein (	-32.5602	-34.9118	1	1 BH
PITG_06598	Pi conserved hypothetical protein (	-32.8156	-34.4008	1	1 BH
PITG_06668	Pi ATP-binding Cassette (ABC) Supe	-32.8473	-34.3375	1	1 BH
PITG_06749	Pi bifunctional dihydrofolate reduc	-32.8156	-34.4008	1	1 BH
PITG_07039	Pi N(4)-(Beta-N-acetylglucosaminy	-32.8473	-34.3375	1	1 BH
PITG_07169	Pi Major Facilitator Superfamily (M	-32.8156	-34.4008	1	1 BH
PITG_07230	Pi HECT E3 ubiquitin ligase, putativ	-32.7854	-34.4613	1	1 BH
PITG_07551	Pi N(6)-adenine-specific DNA meth	-32.8473	-34.3375	1	1 BH
PITG_07880	Pi betaine aldehyde dehydrogenas	-32.8156	-34.4008	1	1 BH
PITG_07938	Pi conserved hypothetical protein (	-32.8473	-34.3375	1	1 BH
PITG_08093	Pi conserved hypothetical protein (	-32.7854	-34.4613	1	1 BH
PITG_08232	Pi conserved hypothetical protein (	-32.8473	-34.3375	1	1 BH
PITG_08752	Pi conserved hypothetical protein (	-32.8156	-34.4008	1	1 BH
PITG_09247	Pi neurobeachin-like protein (8721	-32.8156	-34.4008	1	1 BH
PITG_09728	Pi exosome complex exonuclease f	-32.5385	-34.9551	1	1 BH
PITG_09949	Pi conserved hypothetical protein (	-14.5155	-0.09109	1	1 BH
PITG_10080	Pi uroporphyrinogen-III synthase, p	-32.8255	-34.381	1	1 BH
PITG_10201	Pi conserved hypothetical protein (	-32.8156	-34.4008	1	1 BH
PITG_10289	Pi DNA-dependent RNA polymeras	-32.7854	-34.4613	1	1 BH
PITG_10334	Pi serine/threonine protein kinase	-32.5598	-34.9124	1	1 BH
PITG_10445	Pi DNA-directed RNA polymerase I,	-32.8473	-34.3375	1	1 BH
PITG_10795	Pi conserved hypothetical protein (	-32.8156	-34.4008	1	1 BH
PITG_10866	Pi spermidine synthase, putative (1	-15.1818	1.266211	1	1 BH
PITG_10994	Pi mitochondrial inner membrane	-32.5598	-34.9124	1	1 BH
PITG_11065	Pi NAD-dependent malic enzyme, p	-14.924	0.73253	1	1 BH
PITG_11158	Pi pre-mRNA-splicing factor SYF1-li	-32.8473	-34.3375	1	1 BH
PITG_11765	Pi conserved hypothetical protein (	-32.8156	-34.4008	1	1 BH
PITG_12107	Pi conserved hypothetical protein (	-32.8473	-34.3375	1	1 BH
PITG_12111	Pi conserved hypothetical protein (	-32.7854	-34.4613	1	1 BH
PITG_12119	Pi ATPase family AAA domain-cont	-15.1818	1.266211	1	1 BH
PITG_12233	Pi phosphatidic acid phosphatase (	-32.8156	-34.4008	1	1 BH
PITG_13173	Pi conserved hypothetical protein (	-32.8156	-34.4008	1	1 BH
PITG_13176	Pi diamminopimelate decarboxylase,	-15.5261	1.944701	1	1 BH

PITG_13223	Pi cysteine desulfurase, putative (1	-32.8473	-34.3375	1	1	BH
PITG_13412	Pi conserved hypothetical protein (	-32.8473	-34.3375	1	1	BH
PITG_13460	Pi conserved hypothetical protein (	-32.7854	-34.4613	1	1	BH
PITG_13512	Pi peptidyl-prolyl cis-trans isomera	-32.7854	-34.4613	1	1	BH
PITG_13663	Pi conserved hypothetical protein (	-32.7854	-34.4613	1	1	BH
PITG_14398	Pi vacuolar amino acid transporter,	-32.7854	-34.4613	1	1	BH
PITG_14452	Pi conserved hypothetical protein (	-32.8473	-34.3375	1	1	BH
PITG_14585	Pi conserved hypothetical protein (	-32.5598	-34.9124	1	1	BH
PITG_14614	Pi tubulin-specific chaperone C, pu	-32.7854	-34.4613	1	1	BH
PITG_14948	Pi conserved hypothetical protein (	-32.8473	-34.3375	1	1	BH
PITG_15053	Pi DNA replication licensing factor	-32.8473	-34.3375	1	1	BH
PITG_15243	Pi phosphate acetyltransferase (23	-32.5598	-34.9124	1	1	BH
PITG_15447	Pi conserved hypothetical protein (	-32.8473	-34.3375	1	1	BH
PITG_15463	Pi lamin-like protein (1884 nt)	-32.8473	-34.3375	1	1	BH
PITG_15960	Pi conserved hypothetical protein (	-32.5598	-34.9124	1	1	BH
PITG_16006	Pi conserved hypothetical protein (	-32.8473	-34.3375	1	1	BH
PITG_16224	Pi conserved hypothetical protein (	-32.8156	-34.4008	1	1	BH
PITG_16326	Pi calcineurin-like phosphoesterase	-32.8473	-34.3375	1	1	BH
PITG_16495	Pi conserved hypothetical protein (	-32.8473	-34.3375	1	1	BH
PITG_16530	Pi aspartyl-tRNA synthetase, putati	-32.7854	-34.4613	1	1	BH
PITG_17037	Pi calcineurin-like phosphoesterase	-32.7854	-34.4613	1	1	BH
PITG_17360	Pi 12-oxophytodienoate reductase	-32.5385	-34.9551	1	1	BH
PITG_17479	Pi conserved hypothetical protein (	-32.8156	-34.4008	1	1	BH
PITG_17627	Pi conserved hypothetical protein (	-32.8156	-34.4008	1	1	BH
PITG_17705	Pi protein kinase (1554 nt)	-32.8473	-34.3375	1	1	BH
PITG_17787	Pi Arsenite-Antimonite (ArsAB) Effl	-13.7399	0.252132	1	1	BH
PITG_18461	Pi conserved hypothetical protein (	-32.8156	-34.4008	1	1	BH
PITG_19127	Pi conserved hypothetical protein (	-32.7854	-34.4613	1	1	BH
PITG_19153	Pi conserved hypothetical protein (	-32.8156	-34.4008	1	1	BH
PITG_19551	Pi conserved hypothetical protein (	-14.6541	0.213293	1	1	BH
PITG_19639	Pi conserved hypothetical protein (	-32.8473	-34.3375	1	1	BH
PITG_19836	Pi hypothetical protein (1303 nt)	-32.7854	-34.4613	1	1	BH
PITG_19886	Pi sphingosine kinase, putative (53	-32.5598	-34.9124	1	1	BH
PITG_20102	Pi conserved hypothetical protein (	-15.1818	1.266211	1	1	BH
PITG_20378	Pi conserved hypothetical protein (	-32.8156	-34.4008	1	1	BH
PITG_21028	Pi mannosyl-oligosaccharide gluco	-32.7854	-34.4613	1	1	BH
PITG_21212	Pi conserved hypothetical protein (	-32.5602	-34.9118	1	1	BH
PITG_21335	Pi conserved hypothetical protein (	-15.3756	1.641178	1	1	BH
PITG_21351	Pi conserved hypothetical protein (	-32.8473	-34.3375	1	1	BH
PITG_21492	Pi conserved hypothetical protein (	-32.5602	-34.9118	1	1	BH
PITG_21853	Pi transmembrane protein, putativ	-32.8473	-34.3375	1	1	BH
PITG_21944	Pi conserved hypothetical protein (	-32.5602	-34.9118	1	1	BH
PITG_22053	Pi NPP1-like protein (798 nt)	-15.3565	1.615626	1	1	BH
PITG_22334	Pi Amino Acid-Polyamine-Organoc	-32.8156	-34.4008	1	1	BH
PITG_22427	Pi ubiquitin-specific protease, puta	-32.8473	-34.3375	1	1	BH
PITG_22430	Pi conserved hypothetical protein (	-32.5598	-34.9124	1	1	BH
PITG_22566	Pi conserved hypothetical protein (	-32.8156	-34.4008	1	1	BH

PITG_22575	Pi Drug/Metabolite Transporter (D	-32.8156	-34.4008	1	1 BH
PITG_22638	Pi conserved hypothetical protein (	-32.8156	-34.4008	1	1 BH
PITG_22961	Pi conserved hypothetical protein (	-15.3565	1.615626	1	1 BH
PITG_23178	Pi kazal-type serine protease inhibi	-32.8473	-34.3375	1	1 BH
PITG_00186	Pi histone acetyltransferase, putati	-32.8216	-34.389	1	1 BH
PITG_00229	Pi 26S protease regulatory subunit	-13.7851	0.333048	1	1 BH
PITG_00299	Pi alpha-1,3-mannosyltransferase,	-33.0621	-33.908	1	1 BH
PITG_00382	Pi hypothetical protein (756 nt)	-32.7884	-34.4553	1	1 BH
PITG_00395	Pi cathepsin B, cysteine protease fa	-33.1402	-33.7516	1	1 BH
PITG_00397	Pi eukaryotic translation initiation	-14.3648	1.483038	1	1 BH
PITG_00440	Pi myotubularin-like protein (4762	-32.7902	-34.4516	1	1 BH
PITG_00475	Pi conserved hypothetical protein (	-32.7902	-34.4516	1	1 BH
PITG_00502	Pi conserved hypothetical protein (	-33.2423	-33.5475	1	1 BH
PITG_00584	Pi oxidoreductase, putative (1591	-32.8519	-34.3284	1	1 BH
PITG_00641	Pi conserved hypothetical protein (	-32.8194	-34.3934	1	1 BH
PITG_00874	Pi carbohydrate-binding protein, pi	-33.0621	-33.908	1	1 BH
PITG_00982	Pi conserved hypothetical protein (	-32.5398	-34.9525	1	1 BH
PITG_01045	Pi tRNA pseudouridine synthase D	-32.8216	-34.389	1	1 BH
PITG_01058	Pi conserved hypothetical protein (	-32.7902	-34.4516	1	1 BH
PITG_01102	Pi conserved hypothetical protein (	-32.8194	-34.3934	1	1 BH
PITG_01154	Pi gamma-tubulin complex compo	-32.5398	-34.9525	1	1 BH
PITG_01231	Pi conserved hypothetical protein (	-33.0621	-33.908	1	1 BH
PITG_01259	Pi nuclear pore complex protein, p	-33.1061	-33.8198	1	1 BH
PITG_01267	Pi glycoside hydrolase, putative (14	-32.5398	-34.9525	1	1 BH
PITG_01353	Pi UDP-N-acetylglucosamine transf	-32.8216	-34.389	1	1 BH
PITG_01376	Pi conserved hypothetical protein (	-33.0621	-33.908	1	1 BH
PITG_01426	Pi conserved hypothetical protein (	-32.7884	-34.4553	1	1 BH
PITG_01444	Pi Argonaute5 (AGO5) (2496 nt)	-33.0621	-33.908	1	1 BH
PITG_01678	Pi conserved hypothetical protein (	-32.7884	-34.4553	1	1 BH
PITG_01750	Pi RNA polymerase II-associated pr	-33.0621	-33.908	1	1 BH
PITG_01768	Pi DAHP synthase (1203 nt)	-33.3587	-33.3146	1	1 BH
PITG_01790	Pi conserved hypothetical protein (	-33.0621	-33.908	1	1 BH
PITG_01823	Pi conserved hypothetical protein (	-33.2916	-33.449	1	1 BH
PITG_01899	Pi conserved hypothetical protein (	-33.2423	-33.5475	1	1 BH
PITG_01974	Pi conserved hypothetical protein (	-33.0621	-33.908	1	1 BH
PITG_02042	Pi serine/threonine-protein phosph	-32.7884	-34.4553	1	1 BH
PITG_02213	Pi serine protease family S10, puta	-32.5823	-34.8675	1	1 BH
PITG_02303	Pi ornithine decarboxylase 1 (1502	-33.2423	-33.5475	1	1 BH
PITG_02362	Pi P-type ATPase (P-ATPase) Super	-33.0621	-33.908	1	1 BH
PITG_02586	Pi conserved hypothetical protein (	-14.47	-0.17014	1	1 BH
PITG_02667	Pi conserved hypothetical protein (	-33.2916	-33.449	1	1 BH
PITG_02775	Pi conserved hypothetical protein (	-33.0621	-33.908	1	1 BH
PITG_02782	Pi conserved hypothetical protein (	-33.1061	-33.8198	1	1 BH
PITG_02789	Pi E3 ubiquitin ligase , putative (11	-33.1061	-33.8198	1	1 BH
PITG_02799	Pi conserved hypothetical protein (	-33.1061	-33.8198	1	1 BH
PITG_02921	Pi valyl-tRNA synthetase (3210 nt)	-14.2877	-0.51686	1	1 BH
PITG_02957	Pi conserved hypothetical protein (	-33.1061	-33.8198	1	1 BH

PITG_02970	Pi hypothetical protein (586 nt)	-33.1061	-33.8198	1	1 BH
PITG_02989	Pi conserved hypothetical protein (	-33.1061	-33.8198	1	1 BH
PITG_03015	Pi aspartyl/Asparaginyl beta-hydro	-32.8519	-34.3284	1	1 BH
PITG_03074	Pi diacylglycerol acyltransferase, pi	-32.8216	-34.389	1	1 BH
PITG_03102	Pi septum-promoting GTP-binding	-32.8519	-34.3284	1	1 BH
PITG_03164	Pi conserved hypothetical protein (	-33.3587	-33.3146	1	1 BH
PITG_03322	Pi prolyl-tRNA synthetase, putative	-32.7902	-34.4516	1	1 BH
PITG_03521	Pi conserved hypothetical protein (	-33.2916	-33.449	1	1 BH
PITG_03594	Pi protein transporter Sec31A, put:	-14.5648	0.023342	1	1 BH
PITG_03915	Pi glutamyl-tRNA(Gln) amidotransf	-32.8216	-34.389	1	1 BH
PITG_04185	Pi histone-lysine N-methyltransfera	-33.1061	-33.8198	1	1 BH
PITG_04288	Pi conserved hypothetical protein (	-33.1061	-33.8198	1	1 BH
PITG_04333	Pi 3-oxo-5-alpha-steroid 4-dehydra	-14.9439	0.795392	1	1 BH
PITG_04549	Pi Ferroportin (FP) Family (1725 nt	-33.0621	-33.908	1	1 BH
PITG_04919	Pi conserved hypothetical protein (	-33.1061	-33.8198	1	1 BH
PITG_04927	Pi conserved hypothetical protein (	-33.2916	-33.449	1	1 BH
PITG_04998	Pi MtN3-like protein (693 nt)	-33.1061	-33.8198	1	1 BH
PITG_05072	Pi secreted RxLR effector peptide,	-33.0621	-33.908	1	1 BH
PITG_05155	Pi conserved hypothetical protein (	-32.7884	-34.4553	1	1 BH
PITG_05409	Pi conserved hypothetical protein (	-32.8519	-34.3284	1	1 BH
PITG_05488	Pi hypothetical protein (2284 nt)	-32.7884	-34.4553	1	1 BH
PITG_05490	Pi conserved hypothetical protein (	-33.1061	-33.8198	1	1 BH
PITG_05518	Pi hypothetical protein (783 nt)	-32.7884	-34.4553	1	1 BH
PITG_05567	Pi kinetochore protein NDC80 (917	-33.0621	-33.908	1	1 BH
PITG_05571	Pi conserved hypothetical protein (	-33.1061	-33.8198	1	1 BH
PITG_05673	Pi hypothetical protein (795 nt)	-32.8519	-34.3284	1	1 BH
PITG_05737	Pi Transient Receptor Potential Ca:	-32.5398	-34.9525	1	1 BH
PITG_05763	Pi conserved hypothetical protein (	-33.1061	-33.8198	1	1 BH
PITG_05940	Pi spindle assembly protein, putati	-33.0621	-33.908	1	1 BH
PITG_05960	Pi hypothetical protein (1290 nt)	-33.2423	-33.5475	1	1 BH
PITG_06040	Pi conserved hypothetical protein (	-32.8216	-34.389	1	1 BH
PITG_06353	Pi conserved hypothetical protein (	-32.8194	-34.3934	1	1 BH
PITG_06355	Pi conserved hypothetical protein (	-33.1061	-33.8198	1	1 BH
PITG_06394	Pi conserved hypothetical protein (	-33.1061	-33.8198	1	1 BH
PITG_06406	Pi HECT E3 ubiquitin ligase, putativ	-32.5398	-34.9525	1	1 BH
PITG_06438	Pi conserved hypothetical protein (	-33.0621	-33.908	1	1 BH
PITG_06775	Pi conserved hypothetical protein (	-32.8519	-34.3284	1	1 BH
PITG_06820	Pi trehalase, putative (2103 nt)	-32.7902	-34.4516	1	1 BH
PITG_06856	Pi kinesin-like protein (1143 nt)	-33.1061	-33.8198	1	1 BH
PITG_06899	Pi conserved hypothetical protein (	-32.8519	-34.3284	1	1 BH
PITG_06935	Pi HSF-type DNA-binding, putative	-33.0621	-33.908	1	1 BH
PITG_06987	Pi conserved hypothetical protein (	-33.1061	-33.8198	1	1 BH
PITG_06991	Pi FHA domain-interacting nucleola	-32.7884	-34.4553	1	1 BH
PITG_07073	Pi conserved hypothetical protein (	-33.1061	-33.8198	1	1 BH
PITG_07118	Pi conserved hypothetical protein (	-33.1061	-33.8198	1	1 BH
PITG_07275	Pi conserved hypothetical protein (	-33.1061	-33.8198	1	1 BH
PITG_07381	Pi conserved hypothetical protein (	-33.0621	-33.908	1	1 BH

PITG_07744	Pi DEAD/DEAH box RNA helicase, p	-33.0621	-33.908	1	1 BH
PITG_07884	Pi XTP3-transactivated gene A prot	-32.7884	-34.4553	1	1 BH
PITG_07916	Pi protein kinase, putative (1779 nt)	-32.7884	-34.4553	1	1 BH
PITG_07977	Pi hypothetical protein (1123 nt)	-33.2916	-33.449	1	1 BH
PITG_07986	Pi crinkler (CRN) family protein, ps	-33.1061	-33.8198	1	1 BH
PITG_08050	Pi conserved hypothetical protein (	-33.0621	-33.908	1	1 BH
PITG_08137	Pi palmitoyltransferase, putative (7	-32.8194	-34.3934	1	1 BH
PITG_08216	Pi WD domain-containing protein,	-33.1061	-33.8198	1	1 BH
PITG_08233	Pi conserved hypothetical protein (	-32.8519	-34.3284	1	1 BH
PITG_08234	Pi DnaJ subfamily C member 2 prot	-13.7992	1.418109	1	1 BH
PITG_08328	Pi ubiquitin-conjugating enzyme E2	-32.7884	-34.4553	1	1 BH
PITG_08331	Pi conserved hypothetical protein (	-33.2115	-33.609	1	1 BH
PITG_08395	Pi conserved hypothetical protein (	-33.1539	-33.7243	1	1 BH
PITG_08541	Pi conserved hypothetical protein (	-33.1061	-33.8198	1	1 BH
PITG_08587	Pi histone acetyltransferase, putati	-32.8519	-34.3284	1	1 BH
PITG_08600	Pi vesicle-fusing ATPase, putative (	-14.6253	0.146995	1	1 BH
PITG_08643	Pi conserved hypothetical protein (	-32.8216	-34.389	1	1 BH
PITG_08732	Pi conserved hypothetical protein (	-33.1061	-33.8198	1	1 BH
PITG_08759	Pi conserved hypothetical protein (	-33.0621	-33.908	1	1 BH
PITG_08805	Pi hypothetical protein (1049 nt)	-33.0621	-33.908	1	1 BH
PITG_08844	Pi mannitol dehydrogenase, putati	-33.1539	-33.7243	1	1 BH
PITG_09008	Pi conserved hypothetical protein (	-33.1402	-33.7516	1	1 BH
PITG_09301	Pi conserved hypothetical protein (	-32.8194	-34.3934	1	1 BH
PITG_09306	Pi conserved hypothetical protein (	-33.2916	-33.449	1	1 BH
PITG_09367	Pi sterol 3-beta-glucosyltransferase	-33.2423	-33.5475	1	1 BH
PITG_09440	Pi conserved hypothetical protein (	-15.3379	1.576043	1	1 BH
PITG_09701	Pi conserved hypothetical protein (	-32.8519	-34.3284	1	1 BH
PITG_09881	Pi ATP-binding Cassette (ABC) supe	-32.8216	-34.389	1	1 BH
PITG_10038	Pi SCP-like extracellular protein (10	-33.2115	-33.609	1	1 BH
PITG_10050	Pi alpha-N-acetylglucosaminidase (	-33.0621	-33.908	1	1 BH
PITG_10186	Pi cell division control protein 45 (	-33.1061	-33.8198	1	1 BH
PITG_10310	Pi myb-like DNA-binding protein, p	-33.1061	-33.8198	1	1 BH
PITG_10389	Pi conserved hypothetical protein (	-33.1402	-33.7516	1	1 BH
PITG_10482	Pi pre-mRNA-splicing factor 18, put	-33.1061	-33.8198	1	1 BH
PITG_10490	Pi hypothetical protein (1293 nt)	-33.2916	-33.449	1	1 BH
PITG_10569	Pi hypothetical protein (341 nt)	-32.5398	-34.9525	1	1 BH
PITG_10922	Pi fatty acid synthase subunit alpha	-33.0621	-33.908	1	1 BH
PITG_10926	Pi fatty acid synthase subunit alpha	-33.1061	-33.8198	1	1 BH
PITG_10934	Pi conserved hypothetical protein (	-33.3587	-33.3146	1	1 BH
PITG_10943	Pi conserved hypothetical protein (	-32.7902	-34.4516	1	1 BH
PITG_11083	Pi conserved hypothetical protein (	-32.8194	-34.3934	1	1 BH
PITG_11129	Pi conserved hypothetical protein (	-32.7902	-34.4516	1	1 BH
PITG_11155	Pi conserved hypothetical protein (	-33.1061	-33.8198	1	1 BH
PITG_11159	Pi phospholipid-transporting ATPase	-33.2115	-33.609	1	1 BH
PITG_11234	Pi conserved hypothetical protein (	-33.1061	-33.8198	1	1 BH
PITG_11285	Pi conserved hypothetical protein (	-32.7884	-34.4553	1	1 BH
PITG_11308	Pi conserved hypothetical protein (	-33.1061	-33.8198	1	1 BH

PITG_11498	Pi conserved hypothetical protein (	-33.1061	-33.8198	1	1 BH
PITG_11527	Pi conserved hypothetical protein (	-32.8519	-34.3284	1	1 BH
PITG_11558	Pi beta-glucan synthesis-associated	-33.1061	-33.8198	1	1 BH
PITG_11674	Pi conserved hypothetical protein (	-33.1061	-33.8198	1	1 BH
PITG_11675	Pi conserved hypothetical protein (	-32.5398	-34.9525	1	1 BH
PITG_11741	Pi conserved hypothetical protein (	-33.1061	-33.8198	1	1 BH
PITG_12077	Pi conserved hypothetical protein (	-32.8216	-34.389	1	1 BH
PITG_12227	Pi conserved hypothetical protein (	-33.0621	-33.908	1	1 BH
PITG_12426	Pi conserved hypothetical protein (	-33.1061	-33.8198	1	1 BH
PITG_12587	Pi conserved hypothetical protein (	-32.8519	-34.3284	1	1 BH
PITG_12625	Pi conserved hypothetical protein (	-32.5823	-34.8675	1	1 BH
PITG_12714	Pi hypothetical protein (300 nt)	-33.0621	-33.908	1	1 BH
PITG_12838	Pi conserved hypothetical protein (	-33.3587	-33.3146	1	1 BH
PITG_12889	Pi conserved hypothetical protein (	-32.7902	-34.4516	1	1 BH
PITG_12987	Pi kinesin-like protein (2238 nt)	-33.1539	-33.7243	1	1 BH
PITG_13079	Pi peptidylprolyl isomerase domair	-33.1061	-33.8198	1	1 BH
PITG_13353	Pi hypothetical protein (375 nt)	-32.8519	-34.3284	1	1 BH
PITG_13398	Pi tubulin-tyrosine ligase family, pu	-33.0621	-33.908	1	1 BH
PITG_13473	Pi Major Facilitator Superfamily (M	-33.2115	-33.609	1	1 BH
PITG_13724	Pi cysteine protease family C48, pu	-33.2423	-33.5475	1	1 BH
PITG_13756	Pi conserved hypothetical protein (	-33.2115	-33.609	1	1 BH
PITG_13796	Pi conserved hypothetical protein (	-33.1061	-33.8198	1	1 BH
PITG_13888	Pi 4-coumarate-CoA ligase, putativ	-33.0621	-33.908	1	1 BH
PITG_13990	Pi conserved hypothetical protein (	-32.7884	-34.4553	1	1 BH
PITG_14285	Pi vesicle-associated membrane pr	-32.7884	-34.4553	1	1 BH
PITG_14322	Pi methylenetetrahydrofolate dehy	-15.3841	1.668348	1	1 BH
PITG_14352	Pi methylenetetrahydrofolate dehy	-33.1061	-33.8198	1	1 BH
PITG_14635	Pi sporangia induced hypothetical	-33.3587	-33.3146	1	1 BH
PITG_14836	Pi conserved hypothetical protein (	-33.1061	-33.8198	1	1 BH
PITG_14905	Pi conserved hypothetical protein (	-33.2115	-33.609	1	1 BH
PITG_14937	Pi conserved hypothetical protein (	-33.2916	-33.449	1	1 BH
PITG_14976	Pi pyridoxal phosphate phosphatas	-33.1061	-33.8198	1	1 BH
PITG_14994	Pi conserved hypothetical protein (	-32.8519	-34.3284	1	1 BH
PITG_15046	Pi conserved hypothetical protein (	-32.8194	-34.3934	1	1 BH
PITG_15387	Pi conserved hypothetical protein (	-32.8194	-34.3934	1	1 BH
PITG_15410	Pi conserved hypothetical protein (	-33.1061	-33.8198	1	1 BH
PITG_15538	Pi conserved hypothetical protein (	-33.0621	-33.908	1	1 BH
PITG_15868	Pi DNA primase, putative (1617 nt)	-32.8519	-34.3284	1	1 BH
PITG_16054	Pi 60S ribosomal export protein nn	-32.8216	-34.389	1	1 BH
PITG_16269	Pi M96 mating-specific protein far	-32.8194	-34.3934	1	1 BH
PITG_16347	Pi conserved hypothetical protein (	-32.8519	-34.3284	1	1 BH
PITG_16448	Pi hypothetical protein (1170 nt)	-33.0621	-33.908	1	1 BH
PITG_16475	Pi conserved hypothetical protein (	-33.1402	-33.7516	1	1 BH
PITG_16506	Pi conserved hypothetical protein (	-33.1061	-33.8198	1	1 BH
PITG_16556	Pi elongation factor Tu GTP-binding	-33.1061	-33.8198	1	1 BH
PITG_16686	Pi conserved hypothetical protein (	-32.8194	-34.3934	1	1 BH
PITG_16691	Pi DNA polymerase alpha/epsilon s	-33.1061	-33.8198	1	1 BH

PITG_16721	Pi conserved hypothetical protein (	-33.0621	-33.908	1	1 BH
PITG_16741	Pi isoleucyl-tRNA synthetase (3159	-33.0621	-33.908	1	1 BH
PITG_16764	Pi hypothetical protein (684 nt)	-33.1061	-33.8198	1	1 BH
PITG_16856	Pi hypoxanthine-guanine phosphor	-33.0621	-33.908	1	1 BH
PITG_17032	Pi anthranilate phosphoribosyltran	-32.8216	-34.389	1	1 BH
PITG_17117	Pi salicylate hydroxylase, putative (	-32.8519	-34.3284	1	1 BH
PITG_17154	Pi conserved hypothetical protein (	-33.2916	-33.449	1	1 BH
PITG_17171	Pi hypothetical protein (506 nt)	-33.0621	-33.908	1	1 BH
PITG_17404	Pi guanine nucleotide-binding prot	-32.7884	-34.4553	1	1 BH
PITG_17723	Pi conserved hypothetical protein (	-32.8194	-34.3934	1	1 BH
PITG_17750	Pi conserved hypothetical protein (	-33.1061	-33.8198	1	1 BH
PITG_17904	Pi conserved hypothetical protein (	-33.1061	-33.8198	1	1 BH
PITG_17922	Pi hypothetical protein (395 nt)	-33.1061	-33.8198	1	1 BH
PITG_17935	Pi conserved hypothetical protein (	-32.8519	-34.3284	1	1 BH
PITG_17943	Pi conserved hypothetical protein (	-33.3587	-33.3146	1	1 BH
PITG_17981	Pi conserved hypothetical protein (	-33.1061	-33.8198	1	1 BH
PITG_17982	Pi conserved hypothetical protein (	-33.1061	-33.8198	1	1 BH
PITG_18034	Pi conserved hypothetical protein (	-33.0621	-33.908	1	1 BH
PITG_18056	Pi conserved hypothetical protein (	-33.1061	-33.8198	1	1 BH
PITG_18091	Pi structural maintenance of chron	-32.8194	-34.3934	1	1 BH
PITG_18387	Pi conserved hypothetical protein (	-33.1061	-33.8198	1	1 BH
PITG_18508	Pi Zinc (Zn <sup>2+</sup> )-Iron (Fe <sup>2+</sup> ) Permease	-33.1061	-33.8198	1	1 BH
PITG_18624	Pi kinesin-like protein (3391 nt)	-32.7884	-34.4553	1	1 BH
PITG_18873	Pi conserved hypothetical protein (	-32.8519	-34.3284	1	1 BH
PITG_19108	Pi conserved hypothetical protein (	-33.0621	-33.908	1	1 BH
PITG_19122	Pi conserved hypothetical protein (	-33.1061	-33.8198	1	1 BH
PITG_19781	Pi conserved hypothetical protein (	-33.0621	-33.908	1	1 BH
PITG_19822	Pi conserved hypothetical protein (	-33.1061	-33.8198	1	1 BH
PITG_19841	Pi conserved hypothetical protein (	-33.1061	-33.8198	1	1 BH
PITG_19915	Pi conserved hypothetical protein (	-32.5398	-34.9525	1	1 BH
PITG_19956	Pi conserved hypothetical protein (	-32.7902	-34.4516	1	1 BH
PITG_20222	Pi conserved hypothetical protein (	-33.1061	-33.8198	1	1 BH
PITG_20253	Pi Large Conductance Mechanosen	-32.7902	-34.4516	1	1 BH
PITG_20284	Pi hypothetical protein (998 nt)	-33.1061	-33.8198	1	1 BH
PITG_20316	Pi exportin-like protein (2743 nt)	-33.1061	-33.8198	1	1 BH
PITG_20537	Pi conserved hypothetical protein (	-33.1402	-33.7516	1	1 BH
PITG_20760	Pi peptidyl-prolyl cis-trans isomera	-32.5823	-34.8675	1	1 BH
PITG_20766	Pi protein kinase, putative (2115 nt)	-32.7884	-34.4553	1	1 BH
PITG_20838	Pi conserved hypothetical protein (	-32.8519	-34.3284	1	1 BH
PITG_20931	Pi conserved hypothetical protein (	-33.1061	-33.8198	1	1 BH
PITG_21110	Pi Mitochondrial Carrier (MC) Fami	-33.2423	-33.5475	1	1 BH
PITG_21336	Pi patatin like protein (3426 nt)	-33.0621	-33.908	1	1 BH
PITG_21372	Pi protein kinase (774 nt)	-33.1061	-33.8198	1	1 BH
PITG_21418	Pi conserved hypothetical protein (	-32.8519	-34.3284	1	1 BH
PITG_21600	Pi conserved hypothetical protein (	-32.8194	-34.3934	1	1 BH
PITG_21668	Pi F-box protein, putative (1142 nt)	-33.0621	-33.908	1	1 BH
PITG_21687	Pi conserved hypothetical protein (	-33.0621	-33.908	1	1 BH

PITG_21716	Pi conserved hypothetical protein (	-33.1061	-33.8198	1	1 BH
PITG_21718	Pi conserved hypothetical protein (	-33.1061	-33.8198	1	1 BH
PITG_21886	Pi histidyl-tRNA synthetase (2747 r	-15.3379	1.576043	1	1 BH
PITG_21981	Pi carbonic anhydrase, putative (85	-33.1061	-33.8198	1	1 BH
PITG_22000	Pi conserved hypothetical protein (	-33.2916	-33.449	1	1 BH
PITG_22001	Pi Major Facilitator Superfamily (M	-32.8519	-34.3284	1	1 BH
PITG_22125	Pi conserved hypothetical protein (	-33.0621	-33.908	1	1 BH
PITG_22164	Pi conserved hypothetical protein (	-32.7884	-34.4553	1	1 BH
PITG_22350	Pi hypothetical protein (288 nt)	-33.1402	-33.7516	1	1 BH
PITG_22569	Pi geranylgeranyl transferase type-	-32.8194	-34.3934	1	1 BH
PITG_22662	Pi cyclin-dependent kinase, putativ	-32.8194	-34.3934	1	1 BH
PITG_23141	Pi cyclin-dependent kinase, putativ	-33.3587	-33.3146	1	1 BH
PITG_23205	Pi 4-nitrophenylphosphatase, puta	-32.8216	-34.389	1	1 BH
PITG_23272	Pi crinkler (CRN) family protein, gy	-33.2916	-33.449	1	1 BH
PITG_00065	Pi conserved hypothetical protein (	-33.117	-33.7981	1	1 BH
PITG_00066	Pi conserved hypothetical protein (	-33.0209	-33.9903	1	1 BH
PITG_00109	Pi DEAD/DEAH box RNA helicase, p	-33.4136	-33.2049	1	1 BH
PITG_00148	Pi programmed cell death 6-interac	-32.5385	-34.9552	1	1 BH
PITG_00165	Pi conserved hypothetical protein (	-33.3425	-33.347	1	1 BH
PITG_00169	Pi conserved hypothetical protein (	-33.2202	-33.5918	1	1 BH
PITG_00171	Pi conserved hypothetical protein (	-33.2202	-33.5918	1	1 BH
PITG_00192	Pi conserved hypothetical protein (	-33.117	-33.7981	1	1 BH
PITG_00207	Pi conserved hypothetical protein (	-33.1666	-33.6989	1	1 BH
PITG_00262	Pi nuclear pore complex protein Nu	-32.5599	-34.9123	1	1 BH
PITG_00312	Pi conserved hypothetical protein (	-33.1666	-33.6989	1	1 BH
PITG_00315	Pi transmembrane protein, putativ	-33.4136	-33.2049	1	1 BH
PITG_00388	Pi conserved hypothetical protein (	-33.1666	-33.6989	1	1 BH
PITG_00439	Pi conserved hypothetical protein (	-33.2785	-33.4751	1	1 BH
PITG_00449	Pi conserved hypothetical protein (	-33.117	-33.7981	1	1 BH
PITG_00453	Pi lipoamide acyltransferase compo	-14.5121	-0.06568	1	1 BH
PITG_00454	Pi RCC1 and BTB domain-containin	-32.5599	-34.9123	1	1 BH
PITG_00473	Pi tetratricopeptide repeat protein	-33.1666	-33.6989	1	1 BH
PITG_00499	Pi ATP-dependent RNA helicase db	-33.117	-33.7981	1	1 BH
PITG_00535	Pi hypothetical protein (891 nt)	-33.2202	-33.5918	1	1 BH
PITG_00555	Pi conserved hypothetical protein (	-33.2573	-33.5176	1	1 BH
PITG_00560	Pi conserved hypothetical protein (	-33.4936	-33.045	1	1 BH
PITG_00562	Pi Mitochondrial Tricarboxylate Ca	-33.4136	-33.2049	1	1 BH
PITG_00585	Pi peroxiredoxin-like protein (1365	-13.0995	0.018701	1	1 BH
PITG_00624	Pi hypothetical protein (627 nt)	-33.0581	-33.916	1	1 BH
PITG_00648	Pi periodic tryptophan protein, put	-33.1666	-33.6989	1	1 BH
PITG_00649	Pi conserved hypothetical protein (	-32.8141	-34.4039	1	1 BH
PITG_00662	Pi conserved hypothetical protein (	-33.2202	-33.5918	1	1 BH
PITG_00698	Pi conserved hypothetical protein (	-33.4136	-33.2049	1	1 BH
PITG_00766	Pi conserved hypothetical protein (	-33.2202	-33.5918	1	1 BH
PITG_00943	Pi proline synthetase co-transcribe	-14.3043	-0.47892	1	1 BH
PITG_00952	Pi conserved hypothetical protein (	-33.1666	-33.6989	1	1 BH
PITG_00960	Pi conserved hypothetical protein (	-33.2573	-33.5176	1	1 BH



PITG_00983	Pi UDP-N-acetylglucosamine-peptid	-33.117	-33.7981	1	1 BH
PITG_00998	Pi dynein heavy chain (12571 nt)	-33.2573	-33.5176	1	1 BH
PITG_01001	Pi conserved hypothetical protein (	-33.117	-33.7981	1	1 BH
PITG_01019	Pi U3 small nucleolar RNA-associat	-33.117	-33.7981	1	1 BH
PITG_01053	Pi Amino Acid-Polyamine-Organoca	-33.1666	-33.6989	1	1 BH
PITG_01096	Pi ATP-binding Cassette (ABC) Super	-33.4136	-33.2049	1	1 BH
PITG_01113	Pi conserved hypothetical protein (	-33.2202	-33.5918	1	1 BH
PITG_01247	Pi conserved hypothetical protein (	-33.2573	-33.5176	1	1 BH
PITG_01297	Pi conserved hypothetical protein (	-33.2202	-33.5918	1	1 BH
PITG_01301	Pi conserved hypothetical protein (	-33.117	-33.7981	1	1 BH
PITG_01335	Pi conserved hypothetical protein (	-32.5385	-34.9552	1	1 BH
PITG_01350	Pi conserved hypothetical protein (	-33.2573	-33.5176	1	1 BH
PITG_01375	Pi conserved hypothetical protein (	-33.2573	-33.5176	1	1 BH
PITG_01408	Pi D-isomer specific 2-hydroxyacid	-13.4139	-0.39995	1	1 BH
PITG_01425	Pi coronin-like protein (3119 nt)	-33.2573	-33.5176	1	1 BH
PITG_01459	Pi conserved hypothetical protein (	-33.0209	-33.9903	1	1 BH
PITG_01471	Pi beta-mannosidase, putative (29:	-33.2573	-33.5176	1	1 BH
PITG_01543	Pi NADPH-dependent diflavin oxidc	-33.2202	-33.5918	1	1 BH
PITG_01556	Pi conserved hypothetical protein (	-33.4936	-33.045	1	1 BH
PITG_01626	Pi Drug/Metabolite Transporter (D	-32.5601	-34.912	1	1 BH
PITG_01663	Pi conserved hypothetical protein (	-33.0209	-33.9903	1	1 BH
PITG_01671	Pi conserved hypothetical protein (	-33.2785	-33.4751	1	1 BH
PITG_01690	Pi conserved hypothetical protein (	-33.2202	-33.5918	1	1 BH
PITG_01753	Pi conserved hypothetical protein (	-33.0209	-33.9903	1	1 BH
PITG_01759	Pi conserved hypothetical protein (	-33.1666	-33.6989	1	1 BH
PITG_01793	Pi conserved hypothetical protein (	-33.4936	-33.045	1	1 BH
PITG_01873	Pi conserved hypothetical protein (	-32.5601	-34.912	1	1 BH
PITG_01930	Pi conserved hypothetical protein (	-33.0209	-33.9903	1	1 BH
PITG_02016	Pi integrator complex subunit, puta	-33.2573	-33.5176	1	1 BH
PITG_02067	Pi pre-mRNA-splicing factor cwc2,	-32.5599	-34.9123	1	1 BH
PITG_02249	Pi hypothetical protein (415 nt)	-33.2785	-33.4751	1	1 BH
PITG_02261	Pi C2 domain-containing protein, p	-14.3729	-0.34419	1	1 BH
PITG_02291	Pi conserved hypothetical protein (	-33.3425	-33.347	1	1 BH
PITG_02294	Pi conserved hypothetical protein (	-33.1666	-33.6989	1	1 BH
PITG_02304	Pi anaphase-promoting complex su	-33.2202	-33.5918	1	1 BH
PITG_02308	Pi conserved hypothetical protein (	-32.8141	-34.4039	1	1 BH
PITG_02330	Pi conserved hypothetical protein (	-33.117	-33.7981	1	1 BH
PITG_02364	Pi P-type ATPase (P-ATPase) Super	-33.0209	-33.9903	1	1 BH
PITG_02420	Pi DNA-directed RNA polymerase I	-33.2573	-33.5176	1	1 BH
PITG_02442	Pi cysteine protease family C02, pu	-33.0209	-33.9903	1	1 BH
PITG_02520	Pi conserved hypothetical protein (	-32.8141	-34.4039	1	1 BH
PITG_02541	Pi conserved hypothetical protein (	-33.2202	-33.5918	1	1 BH
PITG_02621	Pi CTP synthase, putative (1809 nt)	-33.2202	-33.5918	1	1 BH
PITG_02698	Pi conserved hypothetical protein (	-33.0209	-33.9903	1	1 BH
PITG_02776	Pi multiple inositol polyphosphate	-33.117	-33.7981	1	1 BH
PITG_02783	Pi multiple inositol polyphosphate	-33.2202	-33.5918	1	1 BH
PITG_02863	Pi conserved hypothetical protein (	-33.2573	-33.5176	1	1 BH

PITG_02953	Pi conserved hypothetical protein (	-33.3425	-33.347	1	1 BH
PITG_03019	Pi conserved hypothetical protein (	-33.2573	-33.5176	1	1 BH
PITG_03082	Pi Outer Dynein Arm Light Chain 1	-33.4936	-33.045	1	1 BH
PITG_03110	Pi conserved hypothetical protein (	-33.2573	-33.5176	1	1 BH
PITG_03152	Pi conserved hypothetical protein (	-32.8141	-34.4039	1	1 BH
PITG_03174	Pi conserved hypothetical protein (	-33.2573	-33.5176	1	1 BH
PITG_03192	Pi secreted RxLR effector peptide,	-16.1564	3.207811	1	1 BH
PITG_03233	Pi conserved hypothetical protein (	-33.2785	-33.4751	1	1 BH
PITG_03337	Pi conserved hypothetical protein (	-33.2202	-33.5918	1	1 BH
PITG_03361	Pi conserved hypothetical protein (	-33.4936	-33.045	1	1 BH
PITG_03389	Pi replication factor C subunit 4 (11	-33.1666	-33.6989	1	1 BH
PITG_03453	Pi phosphatidylinositol kinase (PIK	-32.8141	-34.4039	1	1 BH
PITG_03480	Pi conserved hypothetical protein (	-33.2202	-33.5918	1	1 BH
PITG_03482	Pi conserved hypothetical protein (	-33.117	-33.7981	1	1 BH
PITG_03504	Pi conserved hypothetical protein (	-33.1666	-33.6989	1	1 BH
PITG_03548	Pi nucleolar protein, putative (1579	-33.1666	-33.6989	1	1 BH
PITG_03556	Pi conserved hypothetical protein (	-33.2573	-33.5176	1	1 BH
PITG_03576	Pi RNA (guanine-9-)-methyltransfer	-32.5385	-34.9552	1	1 BH
PITG_03605	Pi 5-methylthioadenosine/S-adeno	-33.1666	-33.6989	1	1 BH
PITG_03656	Pi inosine-5'-monophosphate dehy	-32.5601	-34.912	1	1 BH
PITG_03665	Pi Amino Acid-Polyamine-Organoc	-32.8141	-34.4039	1	1 BH
PITG_03673	Pi conserved hypothetical protein (	-33.117	-33.7981	1	1 BH
PITG_03701	Pi kinesin-like protein (2486 nt)	-33.117	-33.7981	1	1 BH
PITG_03707	Pi voltage-gated potassium channe	-33.2573	-33.5176	1	1 BH
PITG_03756	Pi kinesin-like protein (2314 nt)	-32.5385	-34.9552	1	1 BH
PITG_03776	Pi conserved hypothetical protein (	-33.1666	-33.6989	1	1 BH
PITG_03791	Pi splicing factor, arginine/serine-ri	-33.2785	-33.4751	1	1 BH
PITG_03800	Pi conserved hypothetical protein (	-32.8141	-34.4039	1	1 BH
PITG_03820	Pi conserved hypothetical protein (	-33.2202	-33.5918	1	1 BH
PITG_03854	Pi conserved hypothetical protein (	-33.2202	-33.5918	1	1 BH
PITG_03875	Pi sporangia induced hypothetical	-33.4339	-33.1643	1	1 BH
PITG_03886	Pi equilibrative Nucleoside Transp	-33.117	-33.7981	1	1 BH
PITG_03954	Pi conserved hypothetical protein (	-33.117	-33.7981	1	1 BH
PITG_03975	Pi conserved hypothetical protein (	-33.4136	-33.2049	1	1 BH
PITG_03980	Pi conserved hypothetical protein (	-33.2202	-33.5918	1	1 BH
PITG_03991	Pi hypothetical protein (303 nt)	-33.1666	-33.6989	1	1 BH
PITG_03992	Pi ribulose-phosphate 3-epimerase	-33.2573	-33.5176	1	1 BH
PITG_04003	Pi conserved hypothetical protein (	-33.0209	-33.9903	1	1 BH
PITG_04059	Pi conserved hypothetical protein (	-33.117	-33.7981	1	1 BH
PITG_04102	Pi conserved hypothetical protein (	-33.2202	-33.5918	1	1 BH
PITG_04344	Pi protein kinase (3400 nt)	-33.117	-33.7981	1	1 BH
PITG_04390	Pi hypothetical protein (455 nt)	-33.2573	-33.5176	1	1 BH
PITG_04546	Pi conserved hypothetical protein (	-33.2202	-33.5918	1	1 BH
PITG_04571	Pi conserved hypothetical protein (	-33.4936	-33.045	1	1 BH
PITG_04628	Pi conserved hypothetical protein (	-33.3425	-33.347	1	1 BH
PITG_04650	Pi conserved hypothetical protein (	-33.4936	-33.045	1	1 BH
PITG_04710	Pi conserved hypothetical protein (	-33.0209	-33.9903	1	1 BH

PITG_04724	Pi serine protease family S10, puta	-33.1666	-33.6989	1	1 BH
PITG_04844	Pi folate-Biopterin Transporter (FB'	-33.2573	-33.5176	1	1 BH
PITG_04845	Pi conserved hypothetical protein (	-33.2202	-33.5918	1	1 BH
PITG_04864	Pi conserved hypothetical protein (	-33.2573	-33.5176	1	1 BH
PITG_04865	Pi conserved hypothetical protein (	-33.4339	-33.1643	1	1 BH
PITG_04999	Pi MtN3-like protein (1252 nt)	-33.4136	-33.2049	1	1 BH
PITG_05071	Pi deoxyribose-phosphate aldolase	-33.117	-33.7981	1	1 BH
PITG_05186	Pi Ufm1-specific protease, putative	-33.2202	-33.5918	1	1 BH
PITG_05199	Pi conserved hypothetical protein (	-33.4936	-33.045	1	1 BH
PITG_05226	Pi conserved hypothetical protein (	-32.5599	-34.9123	1	1 BH
PITG_05267	Pi transmembrane protein, putativ	-33.2573	-33.5176	1	1 BH
PITG_05320	Pi conserved hypothetical protein (	-33.1666	-33.6989	1	1 BH
PITG_05340	Pi protein kinase, putative (2767 nt)	-33.117	-33.7981	1	1 BH
PITG_05447	Pi sporangia induced sperm flagella	-33.4936	-33.045	1	1 BH
PITG_05465	Pi L-gulonolactone oxidase, putativ	-33.1666	-33.6989	1	1 BH
PITG_05475	Pi conserved hypothetical protein (	-33.2573	-33.5176	1	1 BH
PITG_05486	Pi acyl-CoA dehydrogenase/oxidase	-33.0209	-33.9903	1	1 BH
PITG_05532	Pi conserved hypothetical protein (	-33.117	-33.7981	1	1 BH
PITG_05552	Pi heat shock protein 75 kDa, mito	-14.5531	0.01636	1	1 BH
PITG_05556	Pi D-lactate dehydrogenase, putati	-33.1666	-33.6989	1	1 BH
PITG_05562	Pi conserved hypothetical protein (	-33.1666	-33.6989	1	1 BH
PITG_05590	Pi conserved hypothetical protein (	-33.117	-33.7981	1	1 BH
PITG_05591	Pi conserved hypothetical protein (	-32.8141	-34.4039	1	1 BH
PITG_05595	Pi conserved hypothetical protein (	-33.1666	-33.6989	1	1 BH
PITG_05621	Pi conserved hypothetical protein (	-33.4136	-33.2049	1	1 BH
PITG_05667	Pi vacuolar protein sorting-associat	-33.117	-33.7981	1	1 BH
PITG_05705	Pi ATP-binding Cassette (ABC) Sup	-14.8591	0.593481	1	1 BH
PITG_05787	Pi hypothetical protein (616 nt)	-32.5601	-34.912	1	1 BH
PITG_05941	Pi conserved hypothetical protein (	-33.4339	-33.1643	1	1 BH
PITG_05993	Pi conserved hypothetical protein (	-33.2202	-33.5918	1	1 BH
PITG_06007	Pi Zinc (Zn <sup>2+</sup> )-Iron (Fe <sup>2+</sup> ) Permease	-33.117	-33.7981	1	1 BH
PITG_06039	Pi conserved hypothetical protein (	-33.2573	-33.5176	1	1 BH
PITG_06178	Pi conserved hypothetical protein (	-32.8141	-34.4039	1	1 BH
PITG_06258	Pi conserved hypothetical protein (	-33.2573	-33.5176	1	1 BH
PITG_06354	Pi conserved hypothetical protein (	-33.2573	-33.5176	1	1 BH
PITG_06373	Pi putative GPI-anchored serine-ric	-33.0209	-33.9903	1	1 BH
PITG_06506	Pi conserved hypothetical protein (	-33.0581	-33.916	1	1 BH
PITG_06518	Pi phospho-2-dehydro-3-deoxyhep	-33.3055	-33.4211	1	1 BH
PITG_06559	Pi conserved hypothetical protein (	-33.2573	-33.5176	1	1 BH
PITG_06614	Pi conserved hypothetical protein (	-33.2202	-33.5918	1	1 BH
PITG_06701	Pi dual specificity protein kinase, p	-33.2573	-33.5176	1	1 BH
PITG_06782	Pi serine protease family S33, puta	-33.117	-33.7981	1	1 BH
PITG_06803	Pi conserved hypothetical protein (	-33.2573	-33.5176	1	1 BH
PITG_06810	Pi conserved hypothetical protein (	-33.4936	-33.045	1	1 BH
PITG_06832	Pi ubiquitin-specific protease, puta	-32.8141	-34.4039	1	1 BH
PITG_06853	Pi conserved hypothetical protein (	-33.2202	-33.5918	1	1 BH
PITG_06855	Pi inorganic phosphate transporter	-33.2785	-33.4751	1	1 BH

PITG_06861	Pi conserved hypothetical protein (	-33.2202	-33.5918	1	1 BH
PITG_06885	Pi membrane-bound transcription	-33.2573	-33.5176	1	1 BH
PITG_06911	Pi translation initiation factor IF-2,	-33.2202	-33.5918	1	1 BH
PITG_06913	Pi conserved hypothetical protein (	-33.2202	-33.5918	1	1 BH
PITG_06938	Pi conserved hypothetical protein (	-33.1666	-33.6989	1	1 BH
PITG_07077	Pi lysophospholipid acyltransferase	-14.2884	-0.51302	1	1 BH
PITG_07093	Pi conserved hypothetical protein (	-33.117	-33.7981	1	1 BH
PITG_07164	Pi serine protease family S10, puta	-14.6476	0.178439	1	1 BH
PITG_07228	Pi conserved hypothetical protein (	-33.4136	-33.2049	1	1 BH
PITG_07246	Pi conserved hypothetical protein (	-33.2202	-33.5918	1	1 BH
PITG_07335	Pi conserved hypothetical protein (	-33.0209	-33.9903	1	1 BH
PITG_07456	Pi conserved hypothetical protein (	-33.117	-33.7981	1	1 BH
PITG_07565	Pi folate-Biopterin Transporter (FB	-33.2573	-33.5176	1	1 BH
PITG_07586	Pi conserved hypothetical protein (	-16.1564	3.207811	1	1 BH
PITG_07660	Pi transmembrane protein, putativ	-32.5601	-34.912	1	1 BH
PITG_07776	Pi conserved hypothetical protein (	-33.0209	-33.9903	1	1 BH
PITG_07830	Pi protein kinase (2166 nt)	-33.2202	-33.5918	1	1 BH
PITG_07858	Pi conserved hypothetical protein (	-33.2202	-33.5918	1	1 BH
PITG_07933	Pi F-box protein, putative (1205 nt)	-33.2202	-33.5918	1	1 BH
PITG_08013	Pi conserved hypothetical protein (	-33.1666	-33.6989	1	1 BH
PITG_08035	Pi DNA repair protein radA (1626 n	-33.0209	-33.9903	1	1 BH
PITG_08060	Pi conserved hypothetical protein (	-33.2202	-33.5918	1	1 BH
PITG_08159	Pi conserved hypothetical protein (	-33.0209	-33.9903	1	1 BH
PITG_08176	Pi conserved hypothetical protein (	-33.2573	-33.5176	1	1 BH
PITG_08316	Pi ATP-dependent RNA helicase, pu	-33.1666	-33.6989	1	1 BH
PITG_08394	Pi conserved hypothetical protein (	-32.5385	-34.9552	1	1 BH
PITG_08405	Pi conserved hypothetical protein (	-33.2785	-33.4751	1	1 BH
PITG_08439	Pi conserved hypothetical protein (	-33.1666	-33.6989	1	1 BH
PITG_08504	Pi conserved hypothetical protein (	-32.8141	-34.4039	1	1 BH
PITG_08534	Pi conserved hypothetical protein (	-33.4136	-33.2049	1	1 BH
PITG_08551	Pi conserved hypothetical protein (	-33.4136	-33.2049	1	1 BH
PITG_08598	Pi 6-phosphogluconolactonase, pu	-14.3043	-0.47892	1	1 BH
PITG_08713	Pi ADP-sugar pyrophosphatase, pu	-33.117	-33.7981	1	1 BH
PITG_08747	Pi Mitochondrial Carrier (MC) Fami	-33.1666	-33.6989	1	1 BH
PITG_08800	Pi conserved hypothetical protein (	-32.5599	-34.9123	1	1 BH
PITG_08826	Pi conserved hypothetical protein (	-32.5599	-34.9123	1	1 BH
PITG_08956	Pi DNA repair protein REV1 (2935 r	-33.2573	-33.5176	1	1 BH
PITG_09024	Pi Metal Ion (Mn <sup>2+</sup> -iron) Transport	-33.4136	-33.2049	1	1 BH
PITG_09082	Pi conserved hypothetical protein (	-32.5385	-34.9552	1	1 BH
PITG_09374	Pi conserved hypothetical protein (	-33.1666	-33.6989	1	1 BH
PITG_09422	Pi conserved hypothetical protein (	-33.2573	-33.5176	1	1 BH
PITG_09424	Pi conserved hypothetical protein (	-33.2202	-33.5918	1	1 BH
PITG_09674	Pi cytidyltransferase (676 nt)	-33.0209	-33.9903	1	1 BH
PITG_09710	Pi conserved hypothetical protein (	-33.1075	-33.817	1	1 BH
PITG_09729	Pi conserved hypothetical protein (	-33.2573	-33.5176	1	1 BH
PITG_09782	Pi palmitoyltransferase, putative (2	-32.5385	-34.9552	1	1 BH
PITG_09790	Pi conserved hypothetical protein (	-32.5601	-34.912	1	1 BH

PITG_09821	Pi polysaccharide lyase, putative (4	-33.4136	-33.2049	1	1 BH
PITG_09840	Pi conserved hypothetical protein (	-33.4339	-33.1643	1	1 BH
PITG_09922	Pi conserved hypothetical protein (	-33.3425	-33.347	1	1 BH
PITG_09941	Pi myosin-like protein (2352 nt)	-13.4074	-0.41279	1	1 BH
PITG_10004	Pi selenoprotein W-related family,	-33.2785	-33.4751	1	1 BH
PITG_10030	Pi conserved hypothetical protein (	-33.4936	-33.045	1	1 BH
PITG_10063	Pi omega-3 fatty acid desaturase, ε	-16.6088	4.112602	1	1 BH
PITG_10079	Pi conserved hypothetical protein (	-33.4339	-33.1643	1	1 BH
PITG_10097	Pi conserved hypothetical protein (	-32.5599	-34.9123	1	1 BH
PITG_10098	Pi conserved hypothetical protein (	-32.5601	-34.912	1	1 BH
PITG_10117	Pi ATP-binding Cassette (ABC) supe	-33.117	-33.7981	1	1 BH
PITG_10132	Pi conserved hypothetical protein (	-33.3055	-33.4211	1	1 BH
PITG_10140	Pi Mitochondrial Carrier (MC) Fami	-32.8141	-34.4039	1	1 BH
PITG_10142	Pi conserved hypothetical protein (	-13.2614	0.342646	1	1 BH
PITG_10158	Pi conserved hypothetical protein (	-33.1666	-33.6989	1	1 BH
PITG_10190	Pi conserved hypothetical protein (	-32.5601	-34.912	1	1 BH
PITG_10265	Pi conserved hypothetical protein (	-33.0209	-33.9903	1	1 BH
PITG_10272	Pi conserved hypothetical protein (	-33.0209	-33.9903	1	1 BH
PITG_10274	Pi acetyltransferase (GNAT) family,	-32.5385	-34.9552	1	1 BH
PITG_10382	Pi conserved hypothetical protein (	-33.117	-33.7981	1	1 BH
PITG_10393	Pi conserved hypothetical protein (	-33.2573	-33.5176	1	1 BH
PITG_10454	Pi carbamoyl-phosphate synthase	-15.0265	0.940337	1	1 BH
PITG_10480	Pi translation initiation factor eIF-2	-32.8141	-34.4039	1	1 BH
PITG_10555	Pi conserved hypothetical protein (	-33.0209	-33.9903	1	1 BH
PITG_10593	Pi conserved hypothetical protein (	-33.1666	-33.6989	1	1 BH
PITG_10625	Pi conserved hypothetical protein (	-33.117	-33.7981	1	1 BH
PITG_10725	Pi ribosomal RNA processing prote	-33.2573	-33.5176	1	1 BH
PITG_10758	Pi beta-glucan synthesis-associatec	-33.117	-33.7981	1	1 BH
PITG_10801	Pi sister chromatid cohesion protei	-33.0209	-33.9903	1	1 BH
PITG_10836	Pi HECT E3 ubiquitin ligase, putativ	-33.1666	-33.6989	1	1 BH
PITG_10856	Pi conserved hypothetical protein (	-32.8141	-34.4039	1	1 BH
PITG_11007	Pi conserved hypothetical protein (	-33.4936	-33.045	1	1 BH
PITG_11013	Pi guanylate kinase (880 nt)	-32.5385	-34.9552	1	1 BH
PITG_11016	Pi conserved hypothetical protein (	-32.5385	-34.9552	1	1 BH
PITG_11049	Pi conserved hypothetical protein (	-33.2202	-33.5918	1	1 BH
PITG_11186	Pi conserved hypothetical protein (	-33.2785	-33.4751	1	1 BH
PITG_11214	Pi conserved hypothetical protein (	-33.2202	-33.5918	1	1 BH
PITG_11294	Pi alcohol dehydrogenase, putative	-33.117	-33.7981	1	1 BH
PITG_11494	Pi Multidrug/Oligosaccharidyl-lipid	-33.1666	-33.6989	1	1 BH
PITG_11569	Pi metalloprotease family M17, pu	-13.7869	0.313617	1	1 BH
PITG_11618	Pi conserved hypothetical protein (	-33.2202	-33.5918	1	1 BH
PITG_11680	Pi conserved hypothetical protein (	-33.2573	-33.5176	1	1 BH
PITG_11705	Pi conserved hypothetical protein (	-33.1666	-33.6989	1	1 BH
PITG_11803	Pi conserved hypothetical protein (	-33.3055	-33.4211	1	1 BH
PITG_11903	Pi conserved hypothetical protein (	-33.4136	-33.2049	1	1 BH
PITG_11964	Pi conserved hypothetical protein (	-33.2573	-33.5176	1	1 BH
PITG_12100	Pi conserved hypothetical protein (	-32.5601	-34.912	1	1 BH

PITG_12187	Pi diphthamide biosynthesis protei	-33.117	-33.7981	1	1 BH
PITG_12229	Pi DNA repair endonuclease XPF, p	-33.1666	-33.6989	1	1 BH
PITG_12440	Pi conserved hypothetical protein (	-33.0209	-33.9903	1	1 BH
PITG_12469	Pi conserved hypothetical protein (	-33.2202	-33.5918	1	1 BH
PITG_12511	Pi conserved hypothetical protein (	-33.4936	-33.045	1	1 BH
PITG_12794	Pi conserved hypothetical protein (	-33.2573	-33.5176	1	1 BH
PITG_12826	Pi conserved hypothetical protein (	-33.2785	-33.4751	1	1 BH
PITG_12871	Pi conserved hypothetical protein (	-33.3425	-33.347	1	1 BH
PITG_12872	Pi MtN3-like protein (974 nt)	-14.439	-0.26806	1	1 BH
PITG_12873	Pi conserved hypothetical protein (	-33.4136	-33.2049	1	1 BH
PITG_12880	Pi conserved hypothetical protein (	-33.2202	-33.5918	1	1 BH
PITG_12931	Pi conserved hypothetical protein (	-33.3425	-33.347	1	1 BH
PITG_12963	Pi conserved hypothetical protein (	-33.0209	-33.9903	1	1 BH
PITG_12994	Pi conserved hypothetical protein (	-33.3055	-33.4211	1	1 BH
PITG_13017	Pi ATP-dependent RNA helicase, pu	-33.1666	-33.6989	1	1 BH
PITG_13022	Pi inorganic phosphate transporter	-33.2573	-33.5176	1	1 BH
PITG_13048	Pi secreted RxLR effector peptide,	-14.5552	0.020533	1	1 BH
PITG_13120	Pi transmembrane protein, putativ	-33.2573	-33.5176	1	1 BH
PITG_13138	Pi conserved hypothetical protein (	-33.2785	-33.4751	1	1 BH
PITG_13182	Pi conserved hypothetical protein (	-32.8141	-34.4039	1	1 BH
PITG_13256	Pi conserved hypothetical protein (	-14.3904	-0.31773	1	1 BH
PITG_13268	Pi p21-activated protein kinase-int	-33.3425	-33.347	1	1 BH
PITG_13300	Pi RNA-binding protein NOB1 (160:	-33.3425	-33.347	1	1 BH
PITG_13362	Pi microtubule-associated protein,	-33.2573	-33.5176	1	1 BH
PITG_13395	Pi P-type ATPase (P-ATPase) Super	-32.8141	-34.4039	1	1 BH
PITG_13419	Pi conserved hypothetical protein (	-33.1666	-33.6989	1	1 BH
PITG_13433	Pi conserved hypothetical protein (	-33.2202	-33.5918	1	1 BH
PITG_13436	Pi conserved hypothetical protein (	-33.2573	-33.5176	1	1 BH
PITG_13459	Pi conserved hypothetical protein (	-14.5682	0.046487	1	1 BH
PITG_13484	Pi crinkler (CRN) domain-containin	-33.2573	-33.5176	1	1 BH
PITG_13499	Pi MtN3-like protein (779 nt)	-33.2785	-33.4751	1	1 BH
PITG_13503	Pi secreted RxLR effector peptide,	-33.4936	-33.045	1	1 BH
PITG_13605	Pi zinc phosphodiesterase ELAC pro	-33.1666	-33.6989	1	1 BH
PITG_13623	Pi conserved hypothetical protein (	-33.3425	-33.347	1	1 BH
PITG_13722	Pi conserved hypothetical protein (	-33.1666	-33.6989	1	1 BH
PITG_13736	Pi diacylglycerol kinase (2249 nt)	-33.1666	-33.6989	1	1 BH
PITG_13791	Pi conserved hypothetical protein (	-32.8141	-34.4039	1	1 BH
PITG_13900	Pi conserved hypothetical protein (	-33.117	-33.7981	1	1 BH
PITG_13976	Pi DEAD/DEAH box RNA helicase, p	-33.2202	-33.5918	1	1 BH
PITG_13988	Pi conserved hypothetical protein (	-33.2573	-33.5176	1	1 BH
PITG_14013	Pi cytochrome P450, putative (156	-33.2573	-33.5176	1	1 BH
PITG_14218	Pi conserved hypothetical protein (	-33.1666	-33.6989	1	1 BH
PITG_14224	Pi conserved hypothetical protein (	-32.8141	-34.4039	1	1 BH
PITG_14251	Pi conserved hypothetical protein (	-33.117	-33.7981	1	1 BH
PITG_14299	Pi conserved hypothetical protein (	-32.5601	-34.912	1	1 BH
PITG_14392	Pi conserved hypothetical protein (	-33.0209	-33.9903	1	1 BH
PITG_14429	Pi conserved hypothetical protein (	-33.2573	-33.5176	1	1 BH

PITG_14435	Pi conserved hypothetical protein (	-33.0209	-33.9903	1	1 BH
PITG_14463	Pi protein kinase, putative (2115 nt)	-33.2573	-33.5176	1	1 BH
PITG_14466	Pi conserved hypothetical protein (	-33.4936	-33.045	1	1 BH
PITG_14550	Pi conserved hypothetical protein (	-33.4136	-33.2049	1	1 BH
PITG_14577	Pi conserved hypothetical protein (	-32.5601	-34.912	1	1 BH
PITG_14597	Pi conserved hypothetical protein (	-14.5384	-0.01311	1	1 BH
PITG_14599	Pi conserved hypothetical protein (	-33.117	-33.7981	1	1 BH
PITG_14621	Pi conserved hypothetical protein (	-33.117	-33.7981	1	1 BH
PITG_14625	Pi methylosome protein 50, putative	-33.1666	-33.6989	1	1 BH
PITG_14654	Pi conserved hypothetical protein (	-33.0209	-33.9903	1	1 BH
PITG_14703	Pi calcium-dependent protein kinase	-33.0209	-33.9903	1	1 BH
PITG_14845	Pi conserved hypothetical protein (	-33.0209	-33.9903	1	1 BH
PITG_14887	Pi conserved hypothetical protein (	-33.2573	-33.5176	1	1 BH
PITG_14922	Pi conserved hypothetical protein (	-33.2573	-33.5176	1	1 BH
PITG_15006	Pi ATP-binding Cassette (ABC) Superfamily	-13.7029	0.178073	1	1 BH
PITG_15017	Pi protein phosphatase 2C, putative	-33.1666	-33.6989	1	1 BH
PITG_15050	Pi conserved hypothetical protein (	-33.4936	-33.045	1	1 BH
PITG_15052	Pi conserved hypothetical protein (	-16.6088	4.112602	1	1 BH
PITG_15090	Pi 50S ribosomal protein L11 (435 nt)	-14.4983	-0.09326	1	1 BH
PITG_15373	Pi conserved hypothetical protein (	-33.2573	-33.5176	1	1 BH
PITG_15440	Pi conserved hypothetical protein (	-32.5385	-34.9552	1	1 BH
PITG_15544	Pi conserved hypothetical protein (	-33.2202	-33.5918	1	1 BH
PITG_15565	Pi conserved hypothetical protein (	-33.4136	-33.2049	1	1 BH
PITG_15570	Pi hypothetical protein (1060 nt)	-33.1666	-33.6989	1	1 BH
PITG_15623	Pi nucleophosmin (2183 nt)	-32.5601	-34.912	1	1 BH
PITG_15688	Pi conserved hypothetical protein (	-14.1936	1.140662	1	1 BH
PITG_15705	Pi dihydrolipoamide succinyltransferase	-14.5121	-0.06568	1	1 BH
PITG_15844	Pi conserved hypothetical protein (	-32.8141	-34.4039	1	1 BH
PITG_15847	Pi conserved hypothetical protein (	-33.2202	-33.5918	1	1 BH
PITG_15891	Pi palmitoyltransferase, putative (1	-32.5385	-34.9552	1	1 BH
PITG_15969	Pi conserved hypothetical protein (	-33.4136	-33.2049	1	1 BH
PITG_16115	Pi conserved hypothetical protein (	-33.1666	-33.6989	1	1 BH
PITG_16129	Pi conserved hypothetical protein (	-32.8141	-34.4039	1	1 BH
PITG_16134	Pi conserved hypothetical protein (	-33.2573	-33.5176	1	1 BH
PITG_16138	Pi exosome complex exonuclease family	-33.2785	-33.4751	1	1 BH
PITG_16152	Pi conserved hypothetical protein (	-33.117	-33.7981	1	1 BH
PITG_16178	Pi conserved hypothetical protein (	-33.2573	-33.5176	1	1 BH
PITG_16339	Pi protein kinase, putative (1542 nt)	-33.3425	-33.347	1	1 BH
PITG_16378	Pi conserved hypothetical protein (	-32.5385	-34.9552	1	1 BH
PITG_16440	Pi protein kinase (1479 nt)	-33.0209	-33.9903	1	1 BH
PITG_16527	Pi bloom syndrome protein, DEAD, D	-33.117	-33.7981	1	1 BH
PITG_16651	Pi conserved hypothetical protein (	-33.0209	-33.9903	1	1 BH
PITG_16709	Pi conserved hypothetical protein (	-33.2573	-33.5176	1	1 BH
PITG_16729	Pi acyltransferase family (1434 nt)	-33.3425	-33.347	1	1 BH
PITG_16807	Pi 3-hydroxy-3-methylglutaryl-coenzyme	-33.117	-33.7981	1	1 BH
PITG_16910	Pi ATP-binding Cassette (ABC) Superfamily	-33.2573	-33.5176	1	1 BH
PITG_16924	Pi conserved hypothetical protein (	-32.5599	-34.9123	1	1 BH

PITG_16978	Pi crossover junction endonuclease	-32.5385	-34.9552	1	1 BH
PITG_16983	Pi conserved hypothetical protein (	-33.2573	-33.5176	1	1 BH
PITG_17058	Pi ATP-binding Cassette (ABC) Supe	-33.0209	-33.9903	1	1 BH
PITG_17071	Pi malonyl-CoA decarboxylase (MC	-33.1666	-33.6989	1	1 BH
PITG_17111	Pi conserved hypothetical protein (	-33.2573	-33.5176	1	1 BH
PITG_17128	Pi conserved hypothetical protein (	-33.1666	-33.6989	1	1 BH
PITG_17205	Pi elongation factor G, putative (37	-33.2573	-33.5176	1	1 BH
PITG_17240	Pi eukaryotic translation initiation	-13.6506	0.073423	1	1 BH
PITG_17285	Pi conserved hypothetical protein (	-16.6088	4.112602	1	1 BH
PITG_17302	Pi multicopper oxidase, putative (1	-33.0209	-33.9903	1	1 BH
PITG_17394	Pi developmentally-regulated GTP-	-33.2785	-33.4751	1	1 BH
PITG_17395	Pi 5'-AMP-activated protein kinase	-32.5599	-34.9123	1	1 BH
PITG_17405	Pi conserved hypothetical protein (	-32.8141	-34.4039	1	1 BH
PITG_17433	Pi hypothetical protein (845 nt)	-33.1666	-33.6989	1	1 BH
PITG_17493	Pi conserved hypothetical protein (	-33.2202	-33.5918	1	1 BH
PITG_17606	Pi cation-transporting ATPase, puta	-33.1666	-33.6989	1	1 BH
PITG_17827	Pi conserved hypothetical protein (	-33.0209	-33.9903	1	1 BH
PITG_17996	Pi conserved hypothetical protein (	-33.2202	-33.5918	1	1 BH
PITG_18031	Pi conserved hypothetical protein (	-33.1666	-33.6989	1	1 BH
PITG_18203	Pi avirulence-associated protein 3.	-33.3425	-33.347	1	1 BH
PITG_18304	Pi conserved hypothetical protein (	-33.4136	-33.2049	1	1 BH
PITG_18321	Pi conserved hypothetical protein (	-33.1666	-33.6989	1	1 BH
PITG_18329	Pi conserved hypothetical protein (	-32.8141	-34.4039	1	1 BH
PITG_18371	Pi hypothetical protein (560 nt)	-33.4136	-33.2049	1	1 BH
PITG_18642	Pi conserved hypothetical protein (	-32.8141	-34.4039	1	1 BH
PITG_18906	Pi ATP-binding Cassette (ABC) Supe	-32.8141	-34.4039	1	1 BH
PITG_18987	Pi hypothetical protein (354 nt)	-32.5599	-34.9123	1	1 BH
PITG_19025	Pi conserved hypothetical protein (	-32.5385	-34.9552	1	1 BH
PITG_19099	Pi elongator complex protein, puta	-33.117	-33.7981	1	1 BH
PITG_19181	Pi conserved hypothetical protein (	-33.4936	-33.045	1	1 BH
PITG_19191	Pi 2-oxoglutarate dehydrogenase,	-33.117	-33.7981	1	1 BH
PITG_19224	Pi conserved hypothetical protein (	-33.1666	-33.6989	1	1 BH
PITG_19251	Pi palmitoyltransferase, putative (1	-33.2573	-33.5176	1	1 BH
PITG_19281	Pi ATP-binding cassette sub-family	-14.5842	0.078596	1	1 BH
PITG_19287	Pi conserved hypothetical protein (	-33.4136	-33.2049	1	1 BH
PITG_19383	Pi conserved hypothetical protein (	-33.2573	-33.5176	1	1 BH
PITG_19557	Pi putative dolichyl-diphosphooligc	-13.4113	0.642325	1	1 BH
PITG_19592	Pi Mitochondrial Protein Transloca	-13.2219	0.263532	1	1 BH
PITG_19611	Pi conserved hypothetical protein (	-33.117	-33.7981	1	1 BH
PITG_19634	Pi polygalacturonase, putative (651	-33.2202	-33.5918	1	1 BH
PITG_19645	Pi conserved hypothetical protein (	-33.2573	-33.5176	1	1 BH
PITG_19674	Pi conserved hypothetical protein (	-33.2573	-33.5176	1	1 BH
PITG_20078	Pi conserved hypothetical protein (	-33.0209	-33.9903	1	1 BH
PITG_20115	Pi adenylate kinase, putative (1616	-33.4936	-33.045	1	1 BH
PITG_20234	Pi conserved hypothetical protein (	-33.2202	-33.5918	1	1 BH
PITG_20247	Pi hypothetical protein (2075 nt)	-33.2573	-33.5176	1	1 BH
PITG_20263	Pi conserved hypothetical protein (	-33.0209	-33.9903	1	1 BH



PITG_20331	Pi conserved hypothetical protein (	-33.2202	-33.5918	1	1 BH
PITG_20522	Pi conserved hypothetical protein (	-33.2785	-33.4751	1	1 BH
PITG_20539	Pi conserved hypothetical protein (	-33.2785	-33.4751	1	1 BH
PITG_20633	Pi Major Facilitator Superfamily (M	-33.2573	-33.5176	1	1 BH
PITG_20638	Pi hypothetical protein (1499 nt)	-33.4136	-33.2049	1	1 BH
PITG_20715	Pi deoxyribodipyrimidine photolya:	-33.4136	-33.2049	1	1 BH
PITG_20801	Pi conserved hypothetical protein (	-33.2573	-33.5176	1	1 BH
PITG_20825	Pi conserved hypothetical protein (	-32.5601	-34.912	1	1 BH
PITG_21074	Pi conserved hypothetical protein (	-33.3055	-33.4211	1	1 BH
PITG_21175	Pi conserved hypothetical protein (	-33.1666	-33.6989	1	1 BH
PITG_21178	Pi conserved hypothetical protein (	-33.117	-33.7981	1	1 BH
PITG_21210	Pi conserved hypothetical protein (	-32.5385	-34.9552	1	1 BH
PITG_21222	Pi conserved hypothetical protein (	-33.2202	-33.5918	1	1 BH
PITG_21286	Pi conserved hypothetical protein (	-33.0209	-33.9903	1	1 BH
PITG_21310	Pi conserved hypothetical protein (	-33.0209	-33.9903	1	1 BH
PITG_21363	Pi putative GPI-anchored serine-th	-16.5803	5.9044	1	1 BH
PITG_21379	Pi conserved hypothetical protein (	-33.4936	-33.045	1	1 BH
PITG_21511	Pi myosin-like protein (2489 nt)	-33.0209	-33.9903	1	1 BH
PITG_21688	Pi conserved hypothetical protein (	-33.2202	-33.5918	1	1 BH
PITG_21759	Pi cytochrome P450, putative (267	-15.0265	0.940337	1	1 BH
PITG_21914	Pi conserved hypothetical protein (	-33.4136	-33.2049	1	1 BH
PITG_22075	Pi conserved hypothetical protein (	-33.0209	-33.9903	1	1 BH
PITG_22149	Pi conserved hypothetical protein (	-33.2202	-33.5918	1	1 BH
PITG_22267	Pi conserved hypothetical protein (	-33.2573	-33.5176	1	1 BH
PITG_22590	Pi conserved hypothetical protein (	-32.8141	-34.4039	1	1 BH
PITG_22683	Pi secreted RxLR effector peptide,	-33.2573	-33.5176	1	1 BH
PITG_22684	Pi peptidyl-prolyl cis-trans isomera	-33.1666	-33.6989	1	1 BH
PITG_22734	Pi NPP1-like protein, 3' partial (567	-33.4936	-33.045	1	1 BH
PITG_22874	Pi Crinkler (CRN) family protein, ps	-33.0209	-33.9903	1	1 BH
PITG_22989	Pi mitogen-activated protein kinas	-33.2202	-33.5918	1	1 BH
PITG_23093	Pi NPP1-like protein, pseudogene (	-16.5803	5.9044	1	1 BH
PITG_23134	Pi conserved hypothetical protein (	-14.9734	0.832647	1	1 BH
PITG_23142	Pi peptidylprolyl isomerase (2241 r	-33.117	-33.7981	1	1 BH
PITG_23277	Pi crinkler (CRN) domain, pseudoge	-33.0209	-33.9903	1	1 BH
PITG_23286	Pi crinkler (CRN) domain, pseudoge	-33.1666	-33.6989	1	1 BH
PITG_00015	Pi DNA-binding protein, putative (8	-33.3158	-33.4004	1	1 BH
PITG_00037	Pi conserved hypothetical protein (	-32.8544	-34.3233	1	1 BH
PITG_00042	Pi conserved hypothetical protein (	-32.5385	-34.9551	1	1 BH
PITG_00069	Pi conserved hypothetical protein (	-32.8173	-34.3975	1	1 BH
PITG_00108	Pi phospholipase D, putative (1037	-32.8494	-34.3334	1	1 BH
PITG_00177	Pi allantoicase (1194 nt)	-33.5554	-32.9214	1	1 BH
PITG_00187	Pi protein kinase, putative (1771 nt	-33.0661	-33.8998	1	1 BH
PITG_00259	Pi conserved hypothetical protein (	-33.3925	-33.247	1	1 BH
PITG_00332	Pi Monovalent Cation:Proton Antip	-34.931	-30.1702	1	1 BH
PITG_00361	Pi conserved hypothetical protein (	-33.0661	-33.8998	1	1 BH
PITG_00385	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_00417	Pi Patatin like protein (3525 nt)	-32.5385	-34.9551	1	1 BH

PITG_00421	Pi conserved hypothetical protein (	-33.0661	-33.8998	1	1 BH
PITG_00448	Pi tRNA (cytosine-5-)-methyltransf	-33.7674	-32.4973	1	1 BH
PITG_00467	Pi conserved hypothetical protein (	-33.7674	-32.4973	1	1 BH
PITG_00489	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_00603	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_00630	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_00669	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_00750	Pi Zinc (Zn <sup>2+</sup> )-Iron (Fe <sup>2+</sup> ) Permease	-33.4775	-33.0772	1	1 BH
PITG_00771	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_00798	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_00846	Pi conserved hypothetical protein (	-33.7674	-32.4973	1	1 BH
PITG_00886	Pi conserved hypothetical protein (	-32.8494	-34.3334	1	1 BH
PITG_00891	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_00929	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_00940	Pi pre-mRNA polyadenylation factc	-33.0661	-33.8998	1	1 BH
PITG_00962	Pi conserved hypothetical protein (	-33.5554	-32.9214	1	1 BH
PITG_01040	Pi ras family GTPase, putative (985	-34.931	-30.1702	1	1 BH
PITG_01047	Pi conserved hypothetical protein (	-33.0661	-33.8998	1	1 BH
PITG_01088	Pi sporangia induced dynein heavy	-33.7674	-32.4973	1	1 BH
PITG_01104	Pi ubiquitin thioesterase otubain (7	-32.7575	-34.5171	1	1 BH
PITG_01109	Pi palmitoyltransferase, putative (1	-32.8494	-34.3334	1	1 BH
PITG_01125	Pi Drug/Metabolite Transporter (D	-32.8237	-34.3847	1	1 BH
PITG_01142	Pi protein kinase, putative (1185 nt	-33.3158	-33.4004	1	1 BH
PITG_01152	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_01211	Pi transmembrane protein, putativ	-34.931	-30.1702	1	1 BH
PITG_01219	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_01266	Pi glycoside hydrolase, putative (16	-34.931	-30.1702	1	1 BH
PITG_01275	Pi lipase, putative (1281 nt)	-33.3158	-33.4004	1	1 BH
PITG_01276	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_01430	Pi glycoside hydrolase, putative (17	-33.0661	-33.8998	1	1 BH
PITG_01492	Pi conserved hypothetical protein (	-15.2157	1.317251	1	1 BH
PITG_01507	Pi conserved hypothetical protein (	-33.7674	-32.4973	1	1 BH
PITG_01519	Pi hypothetical protein (2051 nt)	-33.5554	-32.9214	1	1 BH
PITG_01568	Pi cGMP 3',5'-cyclic phosphodieste	-33.3925	-33.247	1	1 BH
PITG_01650	Pi conserved hypothetical protein (	-32.8494	-34.3334	1	1 BH
PITG_01708	Pi hypothetical protein (874 nt)	-34.931	-30.1702	1	1 BH
PITG_01816	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_01941	Pi conserved hypothetical protein (	-32.8173	-34.3975	1	1 BH
PITG_01980	Pi conserved hypothetical protein (	-33.5554	-32.9214	1	1 BH
PITG_02018	Pi hypothetical protein (644 nt)	-32.8544	-34.3233	1	1 BH
PITG_02030	Pi cleavage induced hypothetical p	-34.931	-30.1702	1	1 BH
PITG_02073	Pi conserved hypothetical protein (	-33.7674	-32.4973	1	1 BH
PITG_02077	Pi protein kinase, putative (2392 nt	-32.8544	-34.3233	1	1 BH
PITG_02081	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_02111	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_02138	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_02160	Pi hypothetical protein (466 nt)	-33.3158	-33.4004	1	1 BH

PITG_02306	Pi hypothetical protein (1337 nt)	-34.931	-30.1702	1	1 BH
PITG_02322	Pi conserved hypothetical protein (	-32.792	-34.448	1	1 BH
PITG_02356	Pi calcium-transporting ATPase 1, $\epsilon$	-33.3158	-33.4004	1	1 BH
PITG_02361	Pi P-type ATPase (P-ATPase) Super	-33.3158	-33.4004	1	1 BH
PITG_02440	Pi conserved hypothetical protein (	-32.8237	-34.3847	1	1 BH
PITG_02472	Pi conserved hypothetical protein (	-33.7674	-32.4973	1	1 BH
PITG_02495	Pi phosphatidylinositol kinase (PIK-	-33.0661	-33.8998	1	1 BH
PITG_02617	Pi conserved hypothetical protein (	-33.5554	-32.9214	1	1 BH
PITG_02717	Pi conserved hypothetical protein (	-32.7575	-34.5171	1	1 BH
PITG_02728	Pi inositol-3,4-bisphosphate 4-pho:	-33.0661	-33.8998	1	1 BH
PITG_02819	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_02922	Pi Polycystin Cation Channel (PCC)	-34.931	-30.1702	1	1 BH
PITG_02968	Pi choline dehydrogenase, putative	-32.8494	-34.3334	1	1 BH
PITG_03031	Pi conserved hypothetical protein (	-33.0661	-33.8998	1	1 BH
PITG_03064	Pi kinesin-like protein (3993 nt)	-34.931	-30.1702	1	1 BH
PITG_03077	Pi tubulin polyglutamylase, putativ	-33.7674	-32.4973	1	1 BH
PITG_03144	Pi conserved hypothetical protein (	-32.8494	-34.3334	1	1 BH
PITG_03165	Pi conserved hypothetical protein (	-32.7575	-34.5171	1	1 BH
PITG_03180	Pi dynein heavy chain (13683 nt)	-33.3802	-33.2716	1	1 BH
PITG_03200	Pi conserved hypothetical protein (	-32.7575	-34.5171	1	1 BH
PITG_03202	Pi hypothetical protein (671 nt)	-34.931	-30.1702	1	1 BH
PITG_03203	Pi exocyst complex component 4, $\mu$	-34.931	-30.1702	1	1 BH
PITG_03212	Pi hypothetical protein (405 nt)	-34.931	-30.1702	1	1 BH
PITG_03253	Pi conserved hypothetical protein (	-32.7575	-34.5171	1	1 BH
PITG_03260	Pi conserved hypothetical protein (	-32.8173	-34.3975	1	1 BH
PITG_03266	Pi conserved hypothetical protein (	-32.7575	-34.5171	1	1 BH
PITG_03272	Pi conserved hypothetical protein (	-33.7674	-32.4973	1	1 BH
PITG_03282	Pi conserved hypothetical protein (	-33.5554	-32.9214	1	1 BH
PITG_03286	Pi hypothetical protein (367 nt)	-33.3158	-33.4004	1	1 BH
PITG_03381	Pi ferric reductase, putative (2685	-33.0661	-33.8998	1	1 BH
PITG_03390	Pi WD domain-containing protein,	-33.0661	-33.8998	1	1 BH
PITG_03434	Pi conserved hypothetical protein (	-33.1023	-33.8275	1	1 BH
PITG_03444	Pi dynein heavy chain (13863 nt)	-34.931	-30.1702	1	1 BH
PITG_03461	Pi conserved hypothetical protein (	-33.0661	-33.8998	1	1 BH
PITG_03490	Pi conserved hypothetical protein (	-32.8494	-34.3334	1	1 BH
PITG_03497	Pi separin, putative (3167 nt)	-33.3158	-33.4004	1	1 BH
PITG_03559	Pi conserved hypothetical protein (	-33.7674	-32.4973	1	1 BH
PITG_03627	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_03629	Pi conserved hypothetical protein (	-33.0661	-33.8998	1	1 BH
PITG_03641	Pi conserved hypothetical protein (	-32.8544	-34.3233	1	1 BH
PITG_03679	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_03704	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_03735	Pi conserved hypothetical protein (	-33.7674	-32.4973	1	1 BH
PITG_03755	Pi aspartate aminotransferase, put	-32.8173	-34.3975	1	1 BH
PITG_03806	Pi aspartyl-tRNA synthetase, putati	-32.5385	-34.9551	1	1 BH
PITG_03845	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_03859	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH

PITG_03869	Pi hypothetical protein (708 nt)	-34.931	-30.1702	1	1 BH
PITG_03879	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_03919	Pi ribokinase, putative (1104 nt)	-32.8173	-34.3975	1	1 BH
PITG_03926	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_03941	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_03967	Pi conserved hypothetical protein (	-32.7575	-34.5171	1	1 BH
PITG_04112	Pi transmembrane protein, putativ	-34.931	-30.1702	1	1 BH
PITG_04335	Pi AP-2 complex subunit alpha, put	-34.931	-30.1702	1	1 BH
PITG_04456	Pi hypothetical protein (1641 nt)	-34.931	-30.1702	1	1 BH
PITG_04474	Pi conserved hypothetical protein (	-33.0661	-33.8998	1	1 BH
PITG_04626	Pi Amino Acid/Auxin Permease (AA	-32.8173	-34.3975	1	1 BH
PITG_04699	Pi conserved hypothetical protein (	-32.8173	-34.3975	1	1 BH
PITG_04706	Pi potential pseudogene (372 nt)	-34.931	-30.1702	1	1 BH
PITG_04721	Pi dynein light chain/pantothenate	-34.931	-30.1702	1	1 BH
PITG_04774	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_04849	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_04912	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_04918	Pi alanyl-tRNA synthetase, putative	-33.3158	-33.4004	1	1 BH
PITG_04939	Pi Dicarboxylate/Amino Acid:Catio	-33.5554	-32.9214	1	1 BH
PITG_04948	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_04971	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_04991	Pi conserved hypothetical protein (	-33.0661	-33.8998	1	1 BH
PITG_05143	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_05203	Pi ATP-binding Cassette (ABC) supe	-34.931	-30.1702	1	1 BH
PITG_05204	Pi ATP-binding Cassette (ABC) supe	-34.931	-30.1702	1	1 BH
PITG_05205	Pi ATP-binding Cassette (ABC) supe	-33.7674	-32.4973	1	1 BH
PITG_05329	Pi conserved hypothetical protein (	-32.8494	-34.3334	1	1 BH
PITG_05334	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_05355	Pi conserved hypothetical protein (	-32.8494	-34.3334	1	1 BH
PITG_05358	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_05363	Pi dihydrodipicolinate synthase, pu	-13.8076	0.38567	1	1 BH
PITG_05364	Pi conserved hypothetical protein (	-33.0661	-33.8998	1	1 BH
PITG_05367	Pi translational activator GCN1, pu	-33.0661	-33.8998	1	1 BH
PITG_05371	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_05394	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_05397	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_05427	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_05444	Pi conserved hypothetical protein (	-33.5554	-32.9214	1	1 BH
PITG_05457	Pi regulator of chromosome conde	-34.931	-30.1702	1	1 BH
PITG_05479	Pi ubiquitin-activating enzyme (E1)	-32.8173	-34.3975	1	1 BH
PITG_05481	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_05656	Pi WD domain-containing protein,	-34.931	-30.1702	1	1 BH
PITG_05668	Pi conserved hypothetical protein (	-33.0661	-33.8998	1	1 BH
PITG_05733	Pi glutathione gamma-glutamylcys	-33.7674	-32.4973	1	1 BH
PITG_05832	Pi delta-1-pyrroline-5-carboxylate :	-32.5385	-34.955	1	1 BH
PITG_05939	Pi carbonyl reductase, putative (74	-32.7575	-34.5171	1	1 BH
PITG_06160	Pi HECT E3 ubiquitin ligase, putativ	-34.931	-30.1702	1	1 BH

PITG_06256	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_06262	Pi U3 small nucleolar ribonucleopr	-32.792	-34.448	1	1 BH
PITG_06387	Pi conserved hypothetical protein (	-32.8173	-34.3975	1	1 BH
PITG_06416	Pi conserved hypothetical protein (	-32.792	-34.448	1	1 BH
PITG_06417	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_06508	Pi conserved hypothetical protein (	-33.3802	-33.2716	1	1 BH
PITG_06516	Pi conserved hypothetical protein (	-32.7575	-34.5171	1	1 BH
PITG_06517	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_06558	Pi conserved hypothetical protein (	-14.6577	0.213077	1	1 BH
PITG_06580	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_06682	Pi conserved hypothetical protein (	-33.3802	-33.2716	1	1 BH
PITG_06686	Pi conserved hypothetical protein (	-32.8173	-34.3975	1	1 BH
PITG_06714	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_06804	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_06908	Pi elicitin-like protein (522 nt)	-34.931	-30.1702	1	1 BH
PITG_06916	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_06923	Pi conserved hypothetical protein (	-33.5554	-32.9214	1	1 BH
PITG_06945	Pi conserved hypothetical protein (	-33.0661	-33.8998	1	1 BH
PITG_06962	Pi endoglucanase, putative (1715 r	-15.0893	1.083812	1	1 BH
PITG_06965	Pi cleavage induced conserved hyp	-34.931	-30.1702	1	1 BH
PITG_07052	Pi conserved hypothetical protein (	-32.8494	-34.3334	1	1 BH
PITG_07054	Pi conserved hypothetical protein (	-33.0661	-33.8998	1	1 BH
PITG_07059	Pi MADS-box transcription factor, p	-34.931	-30.1702	1	1 BH
PITG_07087	Pi Major Facilitator Superfamily (M	-33.3925	-33.247	1	1 BH
PITG_07108	Pi conserved hypothetical protein (	-32.792	-34.448	1	1 BH
PITG_07129	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_07146	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_07174	Pi ribonuclease P protein subunit p	-33.0661	-33.8998	1	1 BH
PITG_07176	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_07227	Pi hypothetical protein (555 nt)	-33.0661	-33.8998	1	1 BH
PITG_07250	Pi conserved hypothetical protein (	-33.0661	-33.8998	1	1 BH
PITG_07253	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_07273	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_07321	Pi conserved hypothetical protein (	-33.5554	-32.9214	1	1 BH
PITG_07458	Pi Ammonium Transporter (Amt) F	-34.931	-30.1702	1	1 BH
PITG_07516	Pi EF hand containing protein, puta	-32.7575	-34.5171	1	1 BH
PITG_07537	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_07644	Pi replication factor C subunit 1 (28	-33.3158	-33.4004	1	1 BH
PITG_07687	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_07820	Pi guanine deaminase, putative (13	-33.3802	-33.2716	1	1 BH
PITG_07853	Pi conserved hypothetical protein (	-33.7674	-32.4973	1	1 BH
PITG_07856	Pi conserved hypothetical protein (	-33.0661	-33.8998	1	1 BH
PITG_07857	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_07879	Pi conserved hypothetical protein (	-33.0661	-33.8998	1	1 BH
PITG_07911	Pi cytosolic 5'-nucleotidase III-like p	-34.931	-30.1702	1	1 BH
PITG_07921	Pi PLAC8 family protein (459 nt)	-34.931	-30.1702	1	1 BH
PITG_07943	Pi phospholipid-transporting ATPase	-34.931	-30.1702	1	1 BH

PITG_07958	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_07993	Pi methyltransferase WBSR22 (11	-32.7575	-34.5171	1	1 BH
PITG_08008	Pi protein kinase, putative (2631 nt	-34.931	-30.1702	1	1 BH
PITG_08087	Pi RNA polymerase II-associated pr	-33.0661	-33.8998	1	1 BH
PITG_08168	Pi fibronectin type III domain-conta	-33.3158	-33.4004	1	1 BH
PITG_08198	Pi conserved hypothetical protein (	-32.7575	-34.5171	1	1 BH
PITG_08221	Pi conserved hypothetical protein (	-33.7674	-32.4973	1	1 BH
PITG_08237	Pi histone deacetylase, putative (2)	-32.8173	-34.3975	1	1 BH
PITG_08299	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_08357	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_08382	Pi ATP-binding Cassette (ABC) supe	-34.931	-30.1702	1	1 BH
PITG_08413	Pi hypothetical protein (159 nt)	-32.8494	-34.3334	1	1 BH
PITG_08423	Pi kinesin-like protein (3419 nt)	-34.931	-30.1702	1	1 BH
PITG_08455	Pi conserved hypothetical protein (	-33.0661	-33.8998	1	1 BH
PITG_08549	Pi mitogen-activated protein kinas	-34.931	-30.1702	1	1 BH
PITG_08580	Pi conserved hypothetical protein (	-32.8173	-34.3975	1	1 BH
PITG_08602	Pi conserved hypothetical protein (	-32.8173	-34.3975	1	1 BH
PITG_08605	Pi conserved hypothetical protein (	-32.5385	-34.955	1	1 BH
PITG_08612	Pi cell 5A endo-1,4-beta-glucanase,	-34.931	-30.1702	1	1 BH
PITG_08628	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_08630	Pi hypothetical protein (864 nt)	-34.931	-30.1702	1	1 BH
PITG_08683	Pi conserved hypothetical protein (	-32.8494	-34.3334	1	1 BH
PITG_08708	Pi conserved hypothetical protein (	-33.0661	-33.8998	1	1 BH
PITG_08724	Pi conserved hypothetical protein (	-33.0661	-33.8998	1	1 BH
PITG_08739	Pi conserved hypothetical protein (	-32.792	-34.448	1	1 BH
PITG_08750	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_08754	Pi conserved hypothetical protein (	-33.0661	-33.8998	1	1 BH
PITG_08807	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_08831	Pi ribonuclease 3, putative (1010 n	-33.3158	-33.4004	1	1 BH
PITG_08839	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_08850	Pi mannitol dehydrogenase, putati	-33.5554	-32.9214	1	1 BH
PITG_08871	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_08927	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_08958	Pi protein kinase (537 nt)	-34.931	-30.1702	1	1 BH
PITG_08967	Pi protein kinase, putative (1830 nt	-33.3158	-33.4004	1	1 BH
PITG_08970	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_08994	Pi conserved hypothetical protein (	-32.8494	-34.3334	1	1 BH
PITG_09030	Pi dynein light chain, putative (333	-34.931	-30.1702	1	1 BH
PITG_09042	Pi DEAD/DEAH box RNA helicase, p	-33.3158	-33.4004	1	1 BH
PITG_09081	Pi phosphatidylinositol-4-phosphat	-33.7674	-32.4973	1	1 BH
PITG_09097	Pi conserved hypothetical protein (	-32.8173	-34.3975	1	1 BH
PITG_09181	Pi conserved hypothetical protein (	-32.8494	-34.3334	1	1 BH
PITG_09252	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_09286	Pi conserved hypothetical protein (	-32.792	-34.448	1	1 BH
PITG_09383	Pi aquaporin, putative (825 nt)	-34.931	-30.1702	1	1 BH
PITG_09447	Pi conserved hypothetical protein (	-32.8544	-34.3233	1	1 BH
PITG_09671	Pi receptor-type tyrosine-protein p	-32.8173	-34.3975	1	1 BH

PITG_09703	Pi unc-45 family protein (3219 nt)	-33.0661	-33.8998	1	1 BH
PITG_09714	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_09791	Pi seryl-tRNA synthetase (1476 nt)	-32.8544	-34.3233	1	1 BH
PITG_09834	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_09861	Pi secreted RxLR effector peptide,	-33.3158	-33.4004	1	1 BH
PITG_09952	Pi radial spoke protein (872 nt)	-34.931	-30.1702	1	1 BH
PITG_09977	Pi conserved hypothetical protein (	-32.792	-34.448	1	1 BH
PITG_09979	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_09991	Pi dolichyldiphosphatase 1, putativ	-32.8173	-34.3975	1	1 BH
PITG_10008	Pi protein kinase (2733 nt)	-32.7575	-34.5171	1	1 BH
PITG_10027	Pi alpha-N-acetylglucosaminidase (	-32.7575	-34.5171	1	1 BH
PITG_10328	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_10381	Pi SCP-like extracellular protein (2C	-33.7674	-32.4973	1	1 BH
PITG_10394	Pi nitric oxide synthase-interacting	-32.8173	-34.3975	1	1 BH
PITG_10441	Pi conserved hypothetical protein (	-33.0661	-33.8998	1	1 BH
PITG_10474	Pi hypothetical protein (1124 nt)	-34.931	-30.1702	1	1 BH
PITG_10483	Pi conserved hypothetical protein (	-33.3802	-33.2716	1	1 BH
PITG_10591	Pi conserved hypothetical protein (	-33.0661	-33.8998	1	1 BH
PITG_10615	Pi conserved hypothetical protein (	-32.8494	-34.3334	1	1 BH
PITG_10667	Pi conserved hypothetical protein (	-32.8544	-34.3233	1	1 BH
PITG_10701	Pi carbohydrate-binding protein, pi	-33.5554	-32.9214	1	1 BH
PITG_10724	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_10799	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_10865	Pi dymeclin, putative (2772 nt)	-33.0661	-33.8998	1	1 BH
PITG_10870	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_11000	Pi ATP-dependent RNA helicase, pu	-33.3158	-33.4004	1	1 BH
PITG_11043	Pi conserved hypothetical protein (	-33.7674	-32.4973	1	1 BH
PITG_11106	Pi gamma-tubulin complex compo	-32.7575	-34.5171	1	1 BH
PITG_11140	Pi sodium-dependent phosphate tr	-34.931	-30.1702	1	1 BH
PITG_11180	Pi conserved hypothetical protein (	-32.5385	-34.9551	1	1 BH
PITG_11195	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_11218	Pi conserved hypothetical protein (	-33.5554	-32.9214	1	1 BH
PITG_11219	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_11235	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_11242	Pi conserved hypothetical protein (	-32.7575	-34.5171	1	1 BH
PITG_11300	Pi conserved hypothetical protein (	-33.5554	-32.9214	1	1 BH
PITG_11373	Pi ATP-binding Cassette (ABC) supe	-33.0661	-33.8998	1	1 BH
PITG_11411	Pi hypothetical protein (147 nt)	-33.3158	-33.4004	1	1 BH
PITG_11460	Pi conserved hypothetical protein (	-14.5132	-0.06471	1	1 BH
PITG_11573	Pi serine protease family S33, puta	-33.7674	-32.4973	1	1 BH
PITG_11621	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_11647	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_11651	Pi conserved hypothetical protein (	-32.7575	-34.5171	1	1 BH
PITG_11677	Pi diacylglycerol acyltransferase, pi	-33.3802	-33.2716	1	1 BH
PITG_11825	Pi hypothetical protein (581 nt)	-32.5385	-34.9551	1	1 BH
PITG_11827	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_11877	Pi conserved hypothetical protein (	-32.8494	-34.3334	1	1 BH

PITG_11938	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_11972	Pi pre-mRNA-splicing factor 38A, p	-32.792	-34.448	1	1 BH
PITG_11978	Pi conserved hypothetical protein (	-33.0661	-33.8998	1	1 BH
PITG_11987	Pi glycoside hydrolase, putative (24	-34.931	-30.1702	1	1 BH
PITG_12103	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_12123	Pi sporangia induced myosin-like p	-33.7674	-32.4973	1	1 BH
PITG_12146	Pi hypothetical protein (588 nt)	-33.3158	-33.4004	1	1 BH
PITG_12166	Pi twinkle protein, putative (2264 r	-33.3158	-33.4004	1	1 BH
PITG_12169	Pi polycomb-like protein (4401 nt)	-33.3158	-33.4004	1	1 BH
PITG_12267	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_12285	Pi polypyrimidine tract-binding pro	-33.3802	-33.2716	1	1 BH
PITG_12301	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_12306	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_12394	Pi conserved hypothetical protein (	-32.8173	-34.3975	1	1 BH
PITG_12519	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_12523	Pi conserved hypothetical protein (	-32.7575	-34.5171	1	1 BH
PITG_12567	Pi sporangia induced conserved hy	-33.7674	-32.4973	1	1 BH
PITG_12660	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_12842	Pi conserved hypothetical protein (	-33.5554	-32.9214	1	1 BH
PITG_12890	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_13128	Pi 7-dehydrocholesterol reductase	-33.0661	-33.8998	1	1 BH
PITG_13183	Pi sporangia induced conserved hy	-34.931	-30.1702	1	1 BH
PITG_13239	Pi Mitochondrial Carrier (MC) Fami	-32.7575	-34.5171	1	1 BH
PITG_13250	Pi Mitochondrial Protein Transloca	-14.9211	0.734619	1	1 BH
PITG_13260	Pi tenascin-like protein (3393 nt)	-34.931	-30.1702	1	1 BH
PITG_13267	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_13269	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_13274	Pi hypothetical protein (558 nt)	-34.931	-30.1702	1	1 BH
PITG_13409	Pi serine protease family S33, puta	-33.7674	-32.4973	1	1 BH
PITG_13430	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_13464	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_13551	Pi creatine kinase, mitochondrial p	-33.7674	-32.4973	1	1 BH
PITG_13687	Pi pre-mRNA-splicing factor ATP-de	-33.0661	-33.8998	1	1 BH
PITG_13766	Pi WD repeat protein 35 (6588 nt)	-34.931	-30.1702	1	1 BH
PITG_13802	Pi conserved hypothetical protein (	-33.3802	-33.2716	1	1 BH
PITG_13805	Pi conserved hypothetical protein (	-33.4775	-33.0772	1	1 BH
PITG_13895	Pi sporangia induced conserved hy	-34.931	-30.1702	1	1 BH
PITG_13909	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_13920	Pi phosphatidylinositol kinase (PIK-	-32.8494	-34.3334	1	1 BH
PITG_13922	Pi proline-rich protein 6 (411 nt)	-32.8494	-34.3334	1	1 BH
PITG_14087	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_14119	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_14171	Pi Amino Acid-Polyamine-Organoc	-33.0661	-33.8998	1	1 BH
PITG_14210	Pi Amino Acid/Auxin Permease (AA	-33.7674	-32.4973	1	1 BH
PITG_14222	Pi sporangia induced conserved hy	-34.931	-30.1702	1	1 BH
PITG_14253	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_14277	Pi trichohyalin-like protein (1827 n	-33.3158	-33.4004	1	1 BH



PITG_14280	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_14431	Pi conserved hypothetical protein (	-33.5554	-32.9214	1	1 BH
PITG_14574	Pi conserved hypothetical protein (	-33.0661	-33.8998	1	1 BH
PITG_14611	Pi conserved hypothetical protein (	-32.8173	-34.3975	1	1 BH
PITG_14620	Pi FKBP-type peptidyl-prolyl cis-tra	-33.4775	-33.0772	1	1 BH
PITG_14656	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_14663	Pi conserved hypothetical protein (	-33.3925	-33.247	1	1 BH
PITG_14807	Pi tubulin gamma chain (1401 nt)	-32.8237	-34.3847	1	1 BH
PITG_14832	Pi hypothetical protein (809 nt)	-34.931	-30.1702	1	1 BH
PITG_15042	Pi sporangia-induced kinesin-like p	-34.931	-30.1702	1	1 BH
PITG_15139	Pi phospholipid-transporting ATPase	-33.3158	-33.4004	1	1 BH
PITG_15207	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_15292	Pi catalase (1541 nt)	-32.8494	-34.3334	1	1 BH
PITG_15319	Pi Voltage-gated Ion Channel (VIC)	-34.931	-30.1702	1	1 BH
PITG_15320	Pi Voltage-gated Ion Channel (VIC)	-34.931	-30.1702	1	1 BH
PITG_15334	Pi hypothetical protein (436 nt)	-34.931	-30.1702	1	1 BH
PITG_15367	Pi Voltage-gated Ion Channel (VIC)	-33.0661	-33.8998	1	1 BH
PITG_15376	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_15379	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_15389	Pi hypothetical protein (238 nt)	-33.3158	-33.4004	1	1 BH
PITG_15398	Pi conserved hypothetical protein (	-33.3802	-33.2716	1	1 BH
PITG_15443	Pi conserved hypothetical protein (	-32.7575	-34.5171	1	1 BH
PITG_15448	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_15462	Pi GAF domain-containing protein (	-33.3158	-33.4004	1	1 BH
PITG_15677	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_15748	Pi conserved hypothetical protein (	-32.792	-34.448	1	1 BH
PITG_15855	Pi conserved hypothetical protein (	-33.7674	-32.4973	1	1 BH
PITG_15861	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_15869	Pi conserved hypothetical protein (	-33.0661	-33.8998	1	1 BH
PITG_15870	Pi conserved hypothetical protein (	-33.3802	-33.2716	1	1 BH
PITG_15908	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_15968	Pi mucin-like protein (3491 nt)	-34.931	-30.1702	1	1 BH
PITG_16017	Pi deoxyribose-phosphate aldolase	-33.3158	-33.4004	1	1 BH
PITG_16057	Pi enolase-like protein, putative (1	-34.931	-30.1702	1	1 BH
PITG_16088	Pi conserved hypothetical protein (	-33.0661	-33.8998	1	1 BH
PITG_16099	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_16199	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_16319	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_16334	Pi conserved hypothetical protein (	-33.0661	-33.8998	1	1 BH
PITG_16345	Pi conserved hypothetical protein (	-33.0661	-33.8998	1	1 BH
PITG_16353	Pi conserved hypothetical protein (	-14.5996	0.108144	1	1 BH
PITG_16385	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_16499	Pi cytochrome P450, putative (157	-34.931	-30.1702	1	1 BH
PITG_16722	Pi metalloprotease family M67A, p	-33.3158	-33.4004	1	1 BH
PITG_16804	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_16903	Pi hypothetical protein (2596 nt)	-33.3802	-33.2716	1	1 BH
PITG_16917	Pi conserved hypothetical protein (	-33.5554	-32.9214	1	1 BH

PITG_17043	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_17070	Pi CCAAT-binding transcription fact	-33.3158	-33.4004	1	1 BH
PITG_17092	Pi protein arginine N-methyltransfe	-33.3158	-33.4004	1	1 BH
PITG_17106	Pi conserved hypothetical protein (	-32.8173	-34.3975	1	1 BH
PITG_17108	Pi protein phosphatase 1 regulator	-34.931	-30.1702	1	1 BH
PITG_17123	Pi T-complex protein 1 subunit gan	-13.0555	0.646472	1	1 BH
PITG_17129	Pi copper-transporting ATPase, put	-33.0661	-33.8998	1	1 BH
PITG_17162	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_17172	Pi 2-dehydro-3-deoxyphosphoocto	-33.3158	-33.4004	1	1 BH
PITG_17280	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_17287	Pi AP-1 complex subunit beta, puta	-14.6577	0.213077	1	1 BH
PITG_17342	Pi Sporangia Induced Dynein Regul	-34.931	-30.1702	1	1 BH
PITG_17346	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_17390	Pi protein kinase (2076 nt)	-34.931	-30.1702	1	1 BH
PITG_17419	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_17486	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_17494	Pi protein kinase (491 nt)	-33.3158	-33.4004	1	1 BH
PITG_17496	Pi glycoside hydrolase, putative (9	-33.3158	-33.4004	1	1 BH
PITG_17513	Pi conserved hypothetical protein (	-33.7674	-32.4973	1	1 BH
PITG_17587	Pi conserved hypothetical protein (	-32.8173	-34.3975	1	1 BH
PITG_17696	Pi hypothetical protein (551 nt)	-34.931	-30.1702	1	1 BH
PITG_17735	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_17748	Pi leucyl-tRNA synthetase, putative	-33.3158	-33.4004	1	1 BH
PITG_17868	Pi conserved hypothetical protein (	-32.7575	-34.5171	1	1 BH
PITG_17882	Pi regulator of chromosome conde	-32.5385	-34.955	1	1 BH
PITG_18010	Pi conserved hypothetical protein (	-32.7575	-34.5171	1	1 BH
PITG_18049	Pi chromosome segregation protei	-33.0661	-33.8998	1	1 BH
PITG_18155	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_18161	Pi conserved hypothetical protein (	-14.8313	0.552462	1	1 BH
PITG_18168	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_18272	Pi conserved hypothetical protein (	-32.5385	-34.9551	1	1 BH
PITG_18383	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_18443	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_18509	Pi exosome complex exonuclease F	-33.0661	-33.8998	1	1 BH
PITG_18659	Pi conserved hypothetical protein (	-33.3802	-33.2716	1	1 BH
PITG_18690	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_18736	Pi conserved hypothetical protein (	-33.5554	-32.9214	1	1 BH
PITG_18862	Pi conserved hypothetical protein (	-33.0661	-33.8998	1	1 BH
PITG_18863	Pi conserved hypothetical protein (	-32.8544	-34.3233	1	1 BH
PITG_18960	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_18976	Pi RNA binding protein, putative (8	-32.8173	-34.3975	1	1 BH
PITG_19093	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_19094	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_19100	Pi Voltage-gated Ion Channel (VIC)	-34.931	-30.1702	1	1 BH
PITG_19101	Pi Voltage-gated Ion Channel (VIC)	-34.931	-30.1702	1	1 BH
PITG_19123	Pi conserved hypothetical protein (	-33.5554	-32.9214	1	1 BH
PITG_19148	Pi conserved hypothetical protein (	-33.0661	-33.8998	1	1 BH

PITG_19183	Pi conserved hypothetical protein (	-32.8494	-34.3334	1	1 BH
PITG_19269	Pi conserved hypothetical protein (	-33.0661	-33.8998	1	1 BH
PITG_19462	Pi metallophosphoesterase, putati	-33.3158	-33.4004	1	1 BH
PITG_19465	Pi hypothetical protein (492 nt)	-34.931	-30.1702	1	1 BH
PITG_19618	Pi hypothetical protein (654 nt)	-33.3158	-33.4004	1	1 BH
PITG_19642	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_19647	Pi meiosis-specific nuclear structur	-34.931	-30.1702	1	1 BH
PITG_19649	Pi endopolygalacturonase, putativ	-34.931	-30.1702	1	1 BH
PITG_19730	Pi 2-acylglycerol O-acyltransferase,	-33.3158	-33.4004	1	1 BH
PITG_19750	Pi conserved hypothetical protein (	-33.0661	-33.8998	1	1 BH
PITG_19849	Pi protein kinase (2164 nt)	-32.8173	-34.3975	1	1 BH
PITG_19901	Pi conserved hypothetical protein (	-32.7575	-34.5171	1	1 BH
PITG_20024	Pi hypothetical protein (816 nt)	-34.931	-30.1702	1	1 BH
PITG_20032	Pi conserved hypothetical protein (	-32.8494	-34.3334	1	1 BH
PITG_20080	Pi carbohydrate-binding protein, p	-34.931	-30.1702	1	1 BH
PITG_20109	Pi Voltage-gated Ion Channel (VIC)	-33.0661	-33.8998	1	1 BH
PITG_20248	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_20285	Pi adenylate kinase, putative (2334	-34.931	-30.1702	1	1 BH
PITG_20291	Pi Ammonium Transporter (Amt) F	-34.931	-30.1702	1	1 BH
PITG_20397	Pi conserved hypothetical protein (	-33.7674	-32.4973	1	1 BH
PITG_20413	Pi putative GP-anchored serine-ricl	-34.931	-30.1702	1	1 BH
PITG_20435	Pi EF hand containing protein, puta	-34.931	-30.1702	1	1 BH
PITG_20492	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_20591	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_20609	Pi conserved hypothetical protein (	-33.3802	-33.2716	1	1 BH
PITG_20676	Pi beta-glucosidase, putative (243C	-33.0661	-33.8998	1	1 BH
PITG_20692	Pi EF hand containing protein, puta	-34.931	-30.1702	1	1 BH
PITG_20844	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_21003	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_21199	Pi hypothetical protein (721 nt)	-33.3158	-33.4004	1	1 BH
PITG_21364	Pi conserved hypothetical protein (	-33.3802	-33.2716	1	1 BH
PITG_21371	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_21384	Pi hypothetical protein (1601 nt)	-34.931	-30.1702	1	1 BH
PITG_21437	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_21501	Pi calcium/calmodulin dependent p	-33.0661	-33.8998	1	1 BH
PITG_21621	Pi cysteine protease family (429 nt	-34.931	-30.1702	1	1 BH
PITG_21634	Pi hypothetical protein (804 nt)	-33.3158	-33.4004	1	1 BH
PITG_21802	Pi conserved hypothetical protein (	-33.5554	-32.9214	1	1 BH
PITG_21854	Pi cAMP protein kinase (1375 nt)	-34.931	-30.1702	1	1 BH
PITG_21875	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_21940	Pi cytochrome P450, putative (157	-33.3158	-33.4004	1	1 BH
PITG_22047	Pi E3 ubiquitin-protein ligase HERC	-34.931	-30.1702	1	1 BH
PITG_22094	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_22453	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH
PITG_22479	Pi conserved hypothetical protein (	-34.931	-30.1702	1	1 BH
PITG_22508	Pi conserved hypothetical protein (	-33.0661	-33.8998	1	1 BH
PITG_22510	Pi conserved hypothetical protein (	-33.3158	-33.4004	1	1 BH

PITG_22523	Pi eukaryotic translation initiation	-33.3158	-33.4004	1	1 BH
PITG_22562	Pi croquemort-like mating protein,	-16.1133	3.121634	1	1 BH
PITG_22859	Pi conserved hypothetical protein (	-33.0661	-33.8998	1	1 BH
PITG_22927	Pi hypothetical protein (834 nt)	-34.931	-30.1702	1	1 BH
PITG_22931	Pi conserved hypothetical protein (	-33.4775	-33.0772	1	1 BH
PITG_00014	Pi 26S proteasome non-ATPase reg	-13.0498	-0.07169	1	1 BH
PITG_00022	Pi Multidrug/Oligosaccharidyl-lipid	-33.9938	-32.0444	1	1 BH
PITG_00024	Pi conserved hypothetical protein (	-33.9938	-32.0444	1	1 BH
PITG_00025	Pi conserved hypothetical protein (	-33.267	-33.4981	1	1 BH
PITG_00028	Pi aminoacylase-1, putative (1660	-33.2108	-33.6105	1	1 BH
PITG_00033	Pi hypothetical protein (889 nt)	-50.0161	0	1	1 BH
PITG_00034	Pi aldehyde dehydrogenase, putati	-13.1425	0.837742	1	1 BH
PITG_00043	Pi conserved hypothetical protein (	-33.2108	-33.6105	1	1 BH
PITG_00046	Pi sporangia induced conserved hy	-34.7809	-30.4703	1	1 BH
PITG_00047	Pi conserved hypothetical protein (	-34.1864	-31.6594	1	1 BH
PITG_00055	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_00060	Pi hypothetical protein (647 nt)	-50.0161	0	1	1 BH
PITG_00063	Pi mitogen activated protein kinase	-33.8446	-32.3428	1	1 BH
PITG_00070	Pi conserved hypothetical protein (	-33.2108	-33.6105	1	1 BH
PITG_00075	Pi conserved hypothetical protein (	-33.6923	-32.6476	1	1 BH
PITG_00076	Pi hypothetical protein (680 nt)	-50.0161	0	1	1 BH
PITG_00077	Pi ubiquitin-specific protease, puta	-32.8145	-34.4032	1	1 BH
PITG_00081	Pi protein kinase, putative (2507 nt)	-34.459	-31.1142	1	1 BH
PITG_00094	Pi conserved hypothetical protein (	-34.459	-31.1142	1	1 BH
PITG_00101	Pi HECT E3 ubiquitin ligase, putativ	-34.459	-31.1142	1	1 BH
PITG_00107	Pi conserved hypothetical protein (	-34.2191	-31.5939	1	1 BH
PITG_00121	Pi sporangia induced predicted pro	-50.0161	0	1	1 BH
PITG_00124	Pi ser/thr kinase (1093 nt)	-33.8446	-32.3428	1	1 BH
PITG_00127	Pi estradiol 17-beta-dehydrogenase	-12.9118	0.386014	1	1 BH
PITG_00132	Pi phosphoglycerate kinase (1321 r	-32.5598	-34.9125	1	1 BH
PITG_00133	Pi phosphoserine aminotransferase	-14.6351	0.179122	1	1 BH
PITG_00142	Pi ribosome biogenesis protein NEI	-33.6527	-32.7266	1	1 BH
PITG_00149	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_00160	Pi conserved hypothetical protein (	-33.2308	-33.5705	1	1 BH
PITG_00172	Pi proteasome subunit alpha, puta	-12.6398	0.377084	1	1 BH
PITG_00191	Pi conserved hypothetical protein (	-33.3757	-33.2808	1	1 BH
PITG_00204	Pi kinesin heavy chain, putative (32	-33.2108	-33.6105	1	1 BH
PITG_00221	Pi tryptophan synthase, putative (1	-33.4706	-33.0909	1	1 BH
PITG_00224	Pi conserved hypothetical protein (	-33.1242	-33.7836	1	1 BH
PITG_00230	Pi peptidyl-prolyl cis-trans isomera	-34.7809	-30.4703	1	1 BH
PITG_00255	Pi conserved hypothetical protein (	-32.8458	-34.3406	1	1 BH
PITG_00256	Pi conserved hypothetical protein (	-33.6194	-32.7933	1	1 BH
PITG_00266	Pi 40S ribosomal protein S10 (596	-9.65393	-0.0292	1	1 BH
PITG_00271	Pi conserved hypothetical protein (	-33.4552	-33.1217	1	1 BH
PITG_00273	Pi N-acetylated-alpha-linked acidic	-34.2191	-31.5939	1	1 BH
PITG_00282	Pi conserved hypothetical protein (	-32.8269	-34.3783	1	1 BH
PITG_00287	Pi formyl-coenzyme A transferase,	-33.1592	-33.7138	1	1 BH

PITG_00290	Pi conserved hypothetical protein (	-33.7378	-32.5565	1	1 BH
PITG_00301	Pi conserved hypothetical protein (	-34.459	-31.1142	1	1 BH
PITG_00321	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_00323	Pi conserved hypothetical protein (	-32.8458	-34.3406	1	1 BH
PITG_00351	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_00362	Pi conserved hypothetical protein (	-34.7809	-30.4703	1	1 BH
PITG_00393	Pi conserved hypothetical protein (	-34.1864	-31.6594	1	1 BH
PITG_00399	Pi nuclear ribonuclease Z, putative	-32.5631	-34.9059	1	1 BH
PITG_00404	Pi hypothetical protein (1637 nt)	-33.1242	-33.7836	1	1 BH
PITG_00410	Pi bystin (1269 nt)	-33.1592	-33.7138	1	1 BH
PITG_00420	Pi F-box protein, putative (489 nt)	-33.9073	-32.2176	1	1 BH
PITG_00424	Pi conserved hypothetical protein (	-32.7937	-34.4448	1	1 BH
PITG_00430	Pi conserved hypothetical protein (	-33.1528	-33.7264	1	1 BH
PITG_00447	Pi sporangia induced hypothetical	-34.459	-31.1142	1	1 BH
PITG_00457	Pi conserved hypothetical protein (	-13.89	0.541073	1	1 BH
PITG_00459	Pi coatomer subunit zeta-1, putativ	-13.2045	0.235496	1	1 BH
PITG_00461	Pi Mitochondrial Carrier (MC) Fami	-13.0955	0.748647	1	1 BH
PITG_00478	Pi conserved hypothetical protein (	-34.7809	-30.4703	1	1 BH
PITG_00490	Pi protein phosphatase 2C, putativ	-14.4803	-0.13043	1	1 BH
PITG_00510	Pi hypothetical protein (2755 nt)	-33.4706	-33.0909	1	1 BH
PITG_00543	Pi formate-tetrahydrofolate ligase	-13.8508	0.431517	1	1 BH
PITG_00566	Pi uroporphyrinogen decarboxylas	-14.5886	0.083528	1	1 BH
PITG_00567	Pi conserved hypothetical protein (	-33.4706	-33.0909	1	1 BH
PITG_00569	Pi phosphatidylinositol kinase (PIK	-50.0161	0	1	1 BH
PITG_00570	Pi phosphatidylserine synthase, pu	-33.1753	-33.6814	1	1 BH
PITG_00595	Pi conserved hypothetical protein (	-34.459	-31.1142	1	1 BH
PITG_00614	Pi protein kinase (570 nt)	-50.0161	0	1	1 BH
PITG_00633	Pi proteasome subunit alpha type-	-11.9923	0.28515	1	1 BH
PITG_00643	Pi protein kinase, putative (2750 nt)	-50.0161	0	1	1 BH
PITG_00647	Pi conserved hypothetical protein (	-32.7868	-34.4585	1	1 BH
PITG_00660	Pi conserved hypothetical protein (	-34.3408	-31.3505	1	1 BH
PITG_00666	Pi kinesin-like protein (3039 nt)	-34.459	-31.1142	1	1 BH
PITG_00672	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_00674	Pi carbonic anhydrase, putative (10	-33.6527	-32.7266	1	1 BH
PITG_00694	Pi Sulfate Permease (SulP) Family (	-33.1943	-33.6435	1	1 BH
PITG_00702	Pi conserved hypothetical protein (	-11.6613	0.183736	1	1 BH
PITG_00710	Pi isoamyl acetate-hydrolyzing este	-33.5194	-32.9934	1	1 BH
PITG_00720	Pi acetyl-coenzyme A synthetase (1	-14.9181	0.738953	1	1 BH
PITG_00755	Pi conserved hypothetical protein (	-33.1528	-33.7264	1	1 BH
PITG_00765	Pi flagellar adenylate kinase (844 n	-13.156	0.10909	1	1 BH
PITG_00772	Pi Major Facilitator Superfamily (M	-50.0161	0	1	1 BH
PITG_00790	Pi conserved hypothetical protein (	-33.9938	-32.0444	1	1 BH
PITG_00807	Pi conserved hypothetical protein (	-14.8043	0.511264	1	1 BH
PITG_00816	Pi conserved hypothetical protein (	-33.9073	-32.2176	1	1 BH
PITG_00827	Pi prohibitin (1137 nt)	-11.4469	-0.00671	1	1 BH
PITG_00828	Pi phosphatidylinositol kinase (PIK-	-33.1592	-33.7138	1	1 BH
PITG_00853	Pi conserved hypothetical protein (	-33.267	-33.4981	1	1 BH

PITG_00864	Pi conserved hypothetical protein (	-33.4509	-33.1303	1	1 BH
PITG_00868	Pi naringenin,2-oxoglutarate 3-dio	-34.459	-31.1142	1	1 BH
PITG_00877	Pi putative GPI anchor protein (168	-34.459	-31.1142	1	1 BH
PITG_00878	Pi 2OG-Fe(II) oxygenase superfamil	-32.7847	-34.4627	1	1 BH
PITG_00880	Pi conserved hypothetical protein (	-9.98527	0.297281	1	1 BH
PITG_00896	Pi phosphatidylinositol-4-phosphat	-33.4509	-33.1303	1	1 BH
PITG_00897	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_00911	Pi conserved hypothetical protein (	-32.8269	-34.3783	1	1 BH
PITG_00919	Pi Glycoside-Pentoside-Hexuronide	-33.8889	-32.2543	1	1 BH
PITG_00934	Pi hypothetical protein (1213 nt)	-33.7227	-32.5868	1	1 BH
PITG_00937	Pi sporangia induced hypothetical	-50.0161	0	1	1 BH
PITG_00941	Pi 60S ribosomal protein L21-1 (10	-9.93051	0.042042	1	1 BH
PITG_00970	Pi conserved hypothetical protein (	-32.5607	-34.9107	1	1 BH
PITG_00981	Pi conserved hypothetical protein (	-33.3191	-33.3938	1	1 BH
PITG_00988	Pi myb-like DNA-binding protein, p	-33.9938	-32.0444	1	1 BH
PITG_00997	Pi conserved hypothetical protein (	-11.9306	0.166897	1	1 BH
PITG_01027	Pi SF-assemblin, putative (1047 nt)	-50.0161	0	1	1 BH
PITG_01042	Pi 60S ribosomal protein L22, puta	-9.68888	-0.02245	1	1 BH
PITG_01054	Pi conserved hypothetical protein (	-33.2108	-33.6105	1	1 BH
PITG_01055	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_01067	Pi conserved hypothetical protein (	-33.267	-33.4981	1	1 BH
PITG_01081	Pi Drug/Metabolite Transporter (D	-33.3955	-33.241	1	1 BH
PITG_01085	Pi conserved hypothetical protein (	-32.7949	-34.4422	1	1 BH
PITG_01098	Pi ATP-binding Cassette (ABC) supe	-34.1864	-31.6594	1	1 BH
PITG_01118	Pi conserved hypothetical protein (	-33.2108	-33.6105	1	1 BH
PITG_01130	Pi conserved hypothetical protein (	-34.1864	-31.6594	1	1 BH
PITG_01134	Pi conserved hypothetical protein (	-33.1592	-33.7138	1	1 BH
PITG_01136	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_01143	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_01153	Pi conserved hypothetical protein (	-33.1592	-33.7138	1	1 BH
PITG_01159	Pi conserved hypothetical protein (	-32.7847	-34.4627	1	1 BH
PITG_01170	Pi potassium/sodium hyperpolariza	-34.459	-31.1142	1	1 BH
PITG_01184	Pi eukaryotic translation initiation	-13.0066	0.568374	1	1 BH
PITG_01196	Pi hypothetical protein (981 nt)	-34.2191	-31.5939	1	1 BH
PITG_01199	Pi conserved hypothetical protein (	-33.9938	-32.0444	1	1 BH
PITG_01216	Pi hypothetical protein (1398 nt)	-33.3283	-33.3755	1	1 BH
PITG_01217	Pi transmembrane protein, putativ	-14.7247	0.355868	1	1 BH
PITG_01218	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_01249	Pi conserved hypothetical protein (	-33.8221	-32.388	1	1 BH
PITG_01260	Pi S-phase kinase-associated prote	-12.1028	-0.24205	1	1 BH
PITG_01265	Pi conserved hypothetical protein (	-32.7847	-34.4627	1	1 BH
PITG_01273	Pi PLAC8 family protein (315 nt)	-50.0161	0	1	1 BH
PITG_01277	Pi hypothetical protein (834 nt)	-50.0161	0	1	1 BH
PITG_01281	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_01284	Pi conserved hypothetical protein (	-33.8446	-32.3428	1	1 BH
PITG_01292	Pi conserved hypothetical protein (	-12.3371	-0.19792	1	1 BH
PITG_01296	Pi D-Tyr-tRNA(Tyr) deacylase (698	-33.6188	-32.7945	1	1 BH

PITG_01312	Pi conserved hypothetical protein (	-34.3408	-31.3505	1	1 BH
PITG_01315	Pi conserved hypothetical protein (	-32.8458	-34.3406	1	1 BH
PITG_01318	Pi peptidyl-prolyl cis-trans isomera	-13.7723	0.296004	1	1 BH
PITG_01324	Pi conserved hypothetical protein (	-33.267	-33.4981	1	1 BH
PITG_01329	Pi septum formation protein Maf (	-33.267	-33.4981	1	1 BH
PITG_01330	Pi lysophospholipid acyltransferase	-14.1429	1.043054	1	1 BH
PITG_01332	Pi lysophospholipid acyltransferase	-33.1753	-33.6814	1	1 BH
PITG_01333	Pi complement control module prc	-32.5385	-34.955	1	1 BH
PITG_01363	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_01370	Pi ATP-binding Cassette (ABC) Supe	-33.1528	-33.7264	1	1 BH
PITG_01372	Pi conserved hypothetical protein (	-33.9938	-32.0444	1	1 BH
PITG_01389	Pi proteasome subunit beta type-5	-12.326	0.602173	1	1 BH
PITG_01413	Pi conserved hypothetical protein (	-34.0871	-31.858	1	1 BH
PITG_01415	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_01434	Pi conserved hypothetical protein (	-34.1864	-31.6594	1	1 BH
PITG_01440	Pi conserved hypothetical protein (	-33.267	-33.4981	1	1 BH
PITG_01442	Pi conserved hypothetical protein (	-33.5302	-32.9718	1	1 BH
PITG_01445	Pi protein kinase, putative (2103 nt)	-34.459	-31.1142	1	1 BH
PITG_01479	Pi pre-mRNA-splicing factor prp46,	-32.5391	-34.9538	1	1 BH
PITG_01490	Pi conserved hypothetical protein (	-33.6194	-32.7933	1	1 BH
PITG_01491	Pi conserved hypothetical protein (	-33.5302	-32.9718	1	1 BH
PITG_01498	Pi ATP-binding cassette sub-family	-14.3756	-0.3423	1	1 BH
PITG_01512	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_01513	Pi dynein light chain intermediate	-33.8221	-32.388	1	1 BH
PITG_01576	Pi protein kinase, putative (1593 nt)	-32.5385	-34.955	1	1 BH
PITG_01588	Pi conserved hypothetical protein (	-32.8458	-34.3406	1	1 BH
PITG_01589	Pi conserved hypothetical protein (	-32.5599	-34.9123	1	1 BH
PITG_01590	Pi conserved hypothetical protein (	-33.9872	-32.0576	1	1 BH
PITG_01598	Pi conserved hypothetical protein (	-34.1864	-31.6594	1	1 BH
PITG_01603	Pi conserved hypothetical protein (	-33.4706	-33.0909	1	1 BH
PITG_01606	Pi conserved hypothetical protein (	-33.2108	-33.6105	1	1 BH
PITG_01608	Pi Major Facilitator Superfamily (M	-13.8901	0.546983	1	1 BH
PITG_01643	Pi conserved hypothetical protein (	-32.8458	-34.3406	1	1 BH
PITG_01645	Pi conserved hypothetical protein (	-33.1592	-33.7138	1	1 BH
PITG_01655	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_01661	Pi conserved hypothetical protein (	-34.1864	-31.6594	1	1 BH
PITG_01662	Pi conserved hypothetical protein (	-33.1321	-33.7679	1	1 BH
PITG_01702	Pi conserved hypothetical protein (	-13.0082	0.57638	1	1 BH
PITG_01706	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_01709	Pi hypothetical protein (1063 nt)	-50.0161	0	1	1 BH
PITG_01710	Pi conserved hypothetical protein (	-33.1753	-33.6814	1	1 BH
PITG_01713	Pi conserved hypothetical protein (	-34.459	-31.1142	1	1 BH
PITG_01716	Pi hypothetical protein (844 nt)	-34.459	-31.1142	1	1 BH
PITG_01717	Pi dynein heavy chain (14029 nt)	-33.6194	-32.7933	1	1 BH
PITG_01742	Pi thymidine kinase (746 nt)	-34.459	-31.1142	1	1 BH
PITG_01749	Pi conserved hypothetical protein (	-32.7868	-34.4585	1	1 BH
PITG_01771	Pi monothiol glutaredoxin-5, mitoc	-13.1093	0.776109	1	1 BH

PITG_01783	Pi acetyl-CoA acetyltransferase (21	-13.1756	0.177743	1	1	BH
PITG_01796	Pi potassium/sodium hyperpolariza	-33.1943	-33.6435	1	1	BH
PITG_01821	Pi conserved hypothetical protein (	-33.8446	-32.3428	1	1	BH
PITG_01833	Pi 60S ribosomal protein L13, puta	-10.3352	0.371937	1	1	BH
PITG_01836	Pi conserved hypothetical protein (	-33.1242	-33.7836	1	1	BH
PITG_01852	Pi dynein heavy chain (12653 nt)	-33.267	-33.4981	1	1	BH
PITG_01857	Pi conserved hypothetical protein (	-33.267	-33.4981	1	1	BH
PITG_01859	Pi conserved hypothetical protein (	-50.0161	0	1	1	BH
PITG_01865	Pi regulator of chromosome conde	-50.0161	0	1	1	BH
PITG_01868	Pi conserved hypothetical protein (	-50.0161	0	1	1	BH
PITG_01870	Pi conserved hypothetical protein (	-32.7868	-34.4585	1	1	BH
PITG_01880	Pi hypothetical protein (1956 nt)	-33.6194	-32.7933	1	1	BH
PITG_01896	Pi conserved hypothetical protein (	-33.2108	-33.6105	1	1	BH
PITG_01924	Pi twinfilin-like protein (1088 nt)	-32.5387	-34.9546	1	1	BH
PITG_01929	Pi conserved hypothetical protein (	-33.267	-33.4981	1	1	BH
PITG_01942	Pi conserved hypothetical protein (	-33.9872	-32.0576	1	1	BH
PITG_01952	Pi conserved hypothetical protein (	-32.8145	-34.4032	1	1	BH
PITG_01955	Pi P-type ATPase (P-ATPase) Super	-50.0161	0	1	1	BH
PITG_01956	Pi conserved hypothetical protein (	-50.0161	0	1	1	BH
PITG_01994	Pi conserved hypothetical protein (	-32.8458	-34.3406	1	1	BH
PITG_01998	Pi Voltage-gated Ion Channel (VIC)	-32.8458	-34.3406	1	1	BH
PITG_02001	Pi conserved hypothetical protein (	-32.7847	-34.4627	1	1	BH
PITG_02008	Pi cleavage induced hypothetical p	-50.0161	0	1	1	BH
PITG_02021	Pi dysferlin-like protein (5806 nt)	-33.1753	-33.6814	1	1	BH
PITG_02028	Pi conserved hypothetical protein (	-50.0161	0	1	1	BH
PITG_02029	Pi cleavage induced hypothetical p	-50.0161	0	1	1	BH
PITG_02031	Pi conserved hypothetical protein (	-33.1592	-33.7138	1	1	BH
PITG_02036	Pi Equilibrative Nucleoside Transpc	-32.5385	-34.955	1	1	BH
PITG_02051	Pi conserved hypothetical protein (	-33.2308	-33.5705	1	1	BH
PITG_02055	Pi conserved hypothetical protein (	-32.8458	-34.3406	1	1	BH
PITG_02059	Pi conserved hypothetical protein (	-33.5465	-32.9391	1	1	BH
PITG_02074	Pi conserved hypothetical protein (	-33.6194	-32.7933	1	1	BH
PITG_02076	Pi conserved hypothetical protein (	-50.0161	0	1	1	BH
PITG_02085	Pi ATP-binding Cassette (ABC) Supe	-33.9938	-32.0444	1	1	BH
PITG_02088	Pi conserved hypothetical protein (	-33.1528	-33.7264	1	1	BH
PITG_02093	Pi pre-rRNA-processing protein ESF	-33.3955	-33.241	1	1	BH
PITG_02094	Pi dnaJ heat shock protein (994 nt)	-33.8221	-32.388	1	1	BH
PITG_02096	Pi polycomb-like protein (1962 nt)	-32.8458	-34.3406	1	1	BH
PITG_02107	Pi conserved hypothetical protein (	-34.3408	-31.3505	1	1	BH
PITG_02108	Pi dynein light chain-like protein (4	-34.2191	-31.5939	1	1	BH
PITG_02112	Pi 3-hydroxyisobutyryl-CoA hydrok	-13.8973	0.54033	1	1	BH
PITG_02116	Pi protein kinase (449 nt)	-50.0161	0	1	1	BH
PITG_02123	Pi hypothetical protein (1595 nt)	-33.7227	-32.5868	1	1	BH
PITG_02128	Pi conserved hypothetical protein (	-33.7227	-32.5868	1	1	BH
PITG_02147	Pi Voltage-gated Ion Channel (VIC)	-34.459	-31.1142	1	1	BH
PITG_02148	Pi conserved hypothetical protein (	-50.0161	0	1	1	BH
PITG_02167	Pi conserved hypothetical protein (	-50.0161	0	1	1	BH



PITG_02182	Pi homoserine dehydrogenase, put	-13.1024	0.752641	1	1	BH
PITG_02186	Pi FKBP-type peptidyl-prolyl cis-tra	-15.0257	0.957847	1	1	BH
PITG_02190	Pi conserved hypothetical protein (	-33.4509	-33.1303	1	1	BH
PITG_02191	Pi proteasome subunit beta type-6	-12.6803	-0.08909	1	1	BH
PITG_02202	Pi conserved hypothetical protein (	-32.7604	-34.5114	1	1	BH
PITG_02212	Pi mitogen-activated protein kinas	-50.0161	0	1	1	BH
PITG_02230	Pi conserved hypothetical protein (	-32.5391	-34.9538	1	1	BH
PITG_02250	Pi conserved hypothetical protein (	-33.7227	-32.5868	1	1	BH
PITG_02251	Pi conserved hypothetical protein (	-33.3955	-33.241	1	1	BH
PITG_02254	Pi conserved hypothetical protein (	-32.7949	-34.4422	1	1	BH
PITG_02257	Pi conserved hypothetical protein (	-50.0161	0	1	1	BH
PITG_02275	Pi peroxisomal trans-2-enoyl-CoA r	-50.0161	0	1	1	BH
PITG_02284	Pi xanthine dehydrogenase, putativ	-33.9938	-32.0444	1	1	BH
PITG_02289	Pi acetyl-coenzyme A transporter,	-33.267	-33.4981	1	1	BH
PITG_02307	Pi alpha,alpha-trehalose-phosphat	-33.267	-33.4981	1	1	BH
PITG_02324	Pi hypothetical protein (598 nt)	-33.1753	-33.6814	1	1	BH
PITG_02341	Pi conserved hypothetical protein (	-50.0161	0	1	1	BH
PITG_02342	Pi conserved hypothetical protein (	-34.7809	-30.4703	1	1	BH
PITG_02343	Pi kinesin-like protein (5133 nt)	-32.8458	-34.3406	1	1	BH
PITG_02344	Pi 5-oxoprolinase (3842 nt)	-32.5616	-34.9088	1	1	BH
PITG_02384	Pi conserved hypothetical protein (	-32.5391	-34.9538	1	1	BH
PITG_02393	Pi conserved hypothetical protein (	-50.0161	0	1	1	BH
PITG_02427	Pi conserved hypothetical protein (	-32.8458	-34.3406	1	1	BH
PITG_02429	Pi cAMP-dependent protein kinase	-34.459	-31.1142	1	1	BH
PITG_02430	Pi conserved hypothetical protein (	-32.7868	-34.4585	1	1	BH
PITG_02441	Pi hypothetical protein (2940 nt)	-33.9938	-32.0444	1	1	BH
PITG_02460	Pi sporulation induced hypothetica	-33.5851	-32.862	1	1	BH
PITG_02462	Pi actin-like protein (1227 nt)	-50.0161	0	1	1	BH
PITG_02464	Pi conserved hypothetical protein (	-33.7227	-32.5868	1	1	BH
PITG_02489	Pi conserved hypothetical protein (	-33.2108	-33.6105	1	1	BH
PITG_02492	Pi microtubule-associated protein,	-33.5851	-32.862	1	1	BH
PITG_02502	Pi T-complex protein 1 subunit zeta	-13.3581	0.540506	1	1	BH
PITG_02509	Pi conserved hypothetical protein (	-34.1864	-31.6594	1	1	BH
PITG_02515	Pi LETM1 and EF-hand domain-con	-14.4574	-0.17388	1	1	BH
PITG_02521	Pi conserved hypothetical protein (	-33.9938	-32.0444	1	1	BH
PITG_02528	Pi elongator complex protein, puta	-33.3955	-33.241	1	1	BH
PITG_02529	Pi protein kinase, putative (4011 nt)	-32.7847	-34.4627	1	1	BH
PITG_02546	Pi ubiquitin carboxyl-terminal hydr	-32.7588	-34.5144	1	1	BH
PITG_02547	Pi transcription initiation factor TFI	-32.7847	-34.4627	1	1	BH
PITG_02549	Pi conserved hypothetical protein (	-34.3408	-31.3505	1	1	BH
PITG_02551	Pi calmodulin-like protein (595 nt)	-50.0161	0	1	1	BH
PITG_02556	Pi Major Facilitator Superfamily (M	-33.1753	-33.6814	1	1	BH
PITG_02568	Pi conserved hypothetical protein (	-34.7809	-30.4703	1	1	BH
PITG_02569	Pi Rab11 family GTPase, putative (:	-34.3408	-31.3505	1	1	BH
PITG_02576	Pi protein phosphatase 2C, putativ	-33.1753	-33.6814	1	1	BH
PITG_02592	Pi conserved hypothetical protein (	-33.9073	-32.2176	1	1	BH
PITG_02595	Pi conserved hypothetical protein (	-34.459	-31.1142	1	1	BH

PITG_02619	Pi hypothetical protein (309 nt)	-33.1242	-33.7836	1	1 BH
PITG_02620	Pi conserved hypothetical protein (	-33.2308	-33.5705	1	1 BH
PITG_02622	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_02635	Pi conserved hypothetical protein (	-33.2108	-33.6105	1	1 BH
PITG_02638	Pi hypothetical protein (1487 nt)	-34.7809	-30.4703	1	1 BH
PITG_02646	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_02650	Pi hypothetical protein (228 nt)	-33.5851	-32.862	1	1 BH
PITG_02663	Pi conserved hypothetical protein (	-14.5772	0.053205	1	1 BH
PITG_02678	Pi conserved hypothetical protein (	-33.9073	-32.2176	1	1 BH
PITG_02680	Pi conserved hypothetical protein (	-33.9938	-32.0444	1	1 BH
PITG_02687	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_02696	Pi vacuolar protein sorting-associat	-32.7847	-34.4627	1	1 BH
PITG_02697	Pi ATP-binding Cassette (ABC) Sup	-33.4552	-33.1217	1	1 BH
PITG_02713	Pi brefeldin A-inhibited guanine nu	-50.0161	0	1	1 BH
PITG_02718	Pi conserved hypothetical protein (	-33.2108	-33.6105	1	1 BH
PITG_02719	Pi conserved hypothetical protein (	-32.8145	-34.4032	1	1 BH
PITG_02721	Pi tubulin polyglutamylase, putativ	-34.7809	-30.4703	1	1 BH
PITG_02725	Pi conserved hypothetical protein (	-32.7604	-34.5114	1	1 BH
PITG_02733	Pi conserved hypothetical protein (	-32.5391	-34.9538	1	1 BH
PITG_02738	Pi hypothetical protein (729 nt)	-33.1528	-33.7264	1	1 BH
PITG_02739	Pi conserved hypothetical protein (	-32.5385	-34.955	1	1 BH
PITG_02740	Pi acetolactate synthase, mitochor	-14.3688	-0.34984	1	1 BH
PITG_02741	Pi glutaredoxin (527 nt)	-13.1567	0.137672	1	1 BH
PITG_02751	Pi conserved hypothetical protein (	-33.9073	-32.2176	1	1 BH
PITG_02752	Pi ribosomal RNA methyltransferas	-33.1753	-33.6814	1	1 BH
PITG_02753	Pi DNA polymerase zeta catalytic s	-33.1528	-33.7264	1	1 BH
PITG_02758	Pi conserved hypothetical protein (	-33.4706	-33.0909	1	1 BH
PITG_02774	Pi multiple inositol polyphosphate	-34.1864	-31.6594	1	1 BH
PITG_02778	Pi conserved hypothetical protein (	-33.1592	-33.7138	1	1 BH
PITG_02780	Pi conserved hypothetical protein (	-33.267	-33.4981	1	1 BH
PITG_02784	Pi conserved hypothetical protein (	-33.6188	-32.7945	1	1 BH
PITG_02788	Pi dynein 18 kDa light chain (447 n	-50.0161	0	1	1 BH
PITG_02794	Pi conserved hypothetical protein (	-33.267	-33.4981	1	1 BH
PITG_02800	Pi conserved hypothetical protein (	-33.2108	-33.6105	1	1 BH
PITG_02809	Pi conserved hypothetical protein (	-32.5598	-34.9125	1	1 BH
PITG_02815	Pi conserved hypothetical protein (	-34.7809	-30.4703	1	1 BH
PITG_02818	Pi conserved hypothetical protein (	-33.8221	-32.388	1	1 BH
PITG_02822	Pi conserved hypothetical protein (	-32.7868	-34.4585	1	1 BH
PITG_02826	Pi DEAD/DEAH box RNA helicase, p	-32.5607	-34.9107	1	1 BH
PITG_02840	Pi WD repeat-containing protein sr	-34.459	-31.1142	1	1 BH
PITG_02846	Pi para-hydroxybenzoate-polypren	-33.5302	-32.9718	1	1 BH
PITG_02848	Pi conserved hypothetical protein (	-33.2108	-33.6105	1	1 BH
PITG_02854	Pi aspartate-semialdehyde dehydr	-15.0848	1.075956	1	1 BH
PITG_02855	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_02856	Pi DEAD/DEAH box RNA helicase, p	-13.9356	0.632284	1	1 BH
PITG_02857	Pi L-allo-threonine aldolase (1202 r	-32.7937	-34.4448	1	1 BH
PITG_02858	Pi L-allo-threonine aldolase (1256 r	-33.4552	-33.1217	1	1 BH

PITG_02864	Pi conserved hypothetical protein (	-33.1528	-33.7264	1	1 BH
PITG_02893	Pi conserved hypothetical protein (	-33.4706	-33.0909	1	1 BH
PITG_02911	Pi conserved hypothetical protein (	-33.2108	-33.6105	1	1 BH
PITG_02920	Pi conserved hypothetical protein (	-32.5599	-34.9123	1	1 BH
PITG_02952	Pi sporangia induced Bardet-Biedl s	-33.9872	-32.0576	1	1 BH
PITG_02961	Pi choline dehydrogenase, putative	-33.267	-33.4981	1	1 BH
PITG_02964	Pi carbohydrate-binding protein, pi	-14.6283	0.14644	1	1 BH
PITG_02997	Pi conserved hypothetical protein (	-33.9073	-32.2176	1	1 BH
PITG_03014	Pi F-box protein, putative (3548 nt)	-33.2108	-33.6105	1	1 BH
PITG_03024	Pi hypothetical protein (588 nt)	-32.8458	-34.3406	1	1 BH
PITG_03042	Pi Major Facilitator Superfamily (M	-32.7604	-34.5114	1	1 BH
PITG_03050	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_03051	Pi Drug/Metabolite Transporter (D	-50.0161	0	1	1 BH
PITG_03052	Pi Drug/Metabolite Transporter (D	-34.7809	-30.4703	1	1 BH
PITG_03056	Pi DNA polymerase I, putative (406	-33.267	-33.4981	1	1 BH
PITG_03057	Pi ubiquitin-conjugating enzyme E2	-32.7868	-34.4585	1	1 BH
PITG_03060	Pi alpha-1,2-glucosyltransferase, pi	-32.5607	-34.9107	1	1 BH
PITG_03062	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_03072	Pi conserved hypothetical protein (	-32.5616	-34.9088	1	1 BH
PITG_03079	Pi hypothetical protein (1987 nt)	-33.3283	-33.3755	1	1 BH
PITG_03106	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_03131	Pi M96 mating-specific protein farr	-33.0544	-33.9233	1	1 BH
PITG_03147	Pi conserved hypothetical protein (	-33.0544	-33.9233	1	1 BH
PITG_03150	Pi proteasome subunit alpha type-	-12.3055	0.563875	1	1 BH
PITG_03156	Pi pre-rRNA-processing protein TSF	-33.3283	-33.3755	1	1 BH
PITG_03158	Pi tRNA isopentenyltransferase, pu	-32.8269	-34.3783	1	1 BH
PITG_03161	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_03162	Pi cleavage induced hypothetical p	-34.459	-31.1142	1	1 BH
PITG_03170	Pi SCP-like extracellular protein (55	-50.0161	0	1	1 BH
PITG_03172	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_03181	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_03211	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_03236	Pi conserved hypothetical protein (	-32.8458	-34.3406	1	1 BH
PITG_03240	Pi conserved hypothetical protein (	-34.459	-31.1142	1	1 BH
PITG_03273	Pi conserved hypothetical protein (	-33.5194	-32.9934	1	1 BH
PITG_03274	Pi elongation factor P, putative (94	-14.8704	0.648429	1	1 BH
PITG_03278	Pi sporangia induced hypothetical	-33.6194	-32.7933	1	1 BH
PITG_03281	Pi hypothetical protein (1206 nt)	-33.4706	-33.0909	1	1 BH
PITG_03285	Pi hypothetical protein (501 nt)	-33.1528	-33.7264	1	1 BH
PITG_03292	Pi GTPase (1643 nt)	-33.267	-33.4981	1	1 BH
PITG_03296	Pi conserved hypothetical protein (	-34.0871	-31.858	1	1 BH
PITG_03297	Pi conserved hypothetical protein (	-34.459	-31.1142	1	1 BH
PITG_03301	Pi DEAD/DEAH box RNA helicase, p	-33.4706	-33.0909	1	1 BH
PITG_03307	Pi conserved hypothetical protein (	-34.459	-31.1142	1	1 BH
PITG_03309	Pi Intraflagellar Transport Protein 1	-50.0161	0	1	1 BH
PITG_03313	Pi conserved hypothetical protein (	-33.267	-33.4981	1	1 BH
PITG_03325	Pi hypothetical protein (3096 nt)	-33.9938	-32.0444	1	1 BH

PITG_03331	Pi conserved hypothetical protein (	-32.7604	-34.5114	1	1 BH
PITG_03335	Pi callose synthase, putative (7947	-13.7874	0.290889	1	1 BH
PITG_03346	Pi cleavage induced hypothetical p	-33.6527	-32.7266	1	1 BH
PITG_03353	Pi 60S ribosomal protein L17-2 (75	-8.86941	-0.06775	1	1 BH
PITG_03373	Pi cell division protein ftsZ (2511 nt)	-32.5391	-34.9538	1	1 BH
PITG_03380	Pi conserved hypothetical protein (	-14.3595	-0.3697	1	1 BH
PITG_03388	Pi lectin, putative (1612 nt)	-14.6215	0.146896	1	1 BH
PITG_03419	Pi flagellar protein, putative (4935	-33.9938	-32.0444	1	1 BH
PITG_03420	Pi 50S ribosomal protein L13 (423 nt)	-13.0889	0.737783	1	1 BH
PITG_03423	Pi dynein heavy chain (12423 nt)	-33.8889	-32.2543	1	1 BH
PITG_03432	Pi conserved hypothetical protein (	-33.7227	-32.5868	1	1 BH
PITG_03433	Pi regulator of chromosome conde	-33.8446	-32.3428	1	1 BH
PITG_03436	Pi conserved hypothetical protein (	-32.7847	-34.4627	1	1 BH
PITG_03437	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_03450	Pi conserved hypothetical protein (	-33.6194	-32.7933	1	1 BH
PITG_03484	Pi conserved hypothetical protein (	-34.459	-31.1142	1	1 BH
PITG_03485	Pi hypothetical protein (1088 nt)	-34.7809	-30.4703	1	1 BH
PITG_03488	Pi dynein heavy chain (13140 nt)	-34.7809	-30.4703	1	1 BH
PITG_03491	Pi myosin-like protein (2468 nt)	-32.7868	-34.4585	1	1 BH
PITG_03494	Pi conserved hypothetical protein (	-34.7809	-30.4703	1	1 BH
PITG_03502	Pi alcohol dehydrogenase, putative	-33.8446	-32.3428	1	1 BH
PITG_03506	Pi conserved hypothetical protein (	-33.2108	-33.6105	1	1 BH
PITG_03533	Pi endo-1,3(4)-beta-glucanase, put	-33.3283	-33.3755	1	1 BH
PITG_03549	Pi coatomer subunit gamma, putat	-14.4758	-0.14446	1	1 BH
PITG_03554	Pi endo-1,3(4)-beta-glucanase, put	-34.1864	-31.6594	1	1 BH
PITG_03566	Pi conserved hypothetical protein (	-32.8458	-34.3406	1	1 BH
PITG_03568	Pi DEAD/DEAH box RNA helicase, p	-12.2646	0.809112	1	1 BH
PITG_03580	Pi hypothetical protein (1000 nt)	-50.0161	0	1	1 BH
PITG_03592	Pi conserved hypothetical protein (	-34.7809	-30.4703	1	1 BH
PITG_03600	Pi bardet-Biedl syndrome 2 proteir	-34.459	-31.1142	1	1 BH
PITG_03612	Pi G-protein alpha subunit 1 (1608	-33.267	-33.4981	1	1 BH
PITG_03617	Pi protein kinase (2278 nt)	-33.267	-33.4981	1	1 BH
PITG_03618	Pi conserved hypothetical protein (	-33.7227	-32.5868	1	1 BH
PITG_03625	Pi hypothetical protein (814 nt)	-34.459	-31.1142	1	1 BH
PITG_03630	Pi conserved hypothetical protein (	-33.267	-33.4981	1	1 BH
PITG_03631	Pi conserved hypothetical protein (	-33.1528	-33.7264	1	1 BH
PITG_03634	Pi nucleoside diphosphate kinase, p	-50.0161	0	1	1 BH
PITG_03635	Pi conserved hypothetical protein (	-33.267	-33.4981	1	1 BH
PITG_03643	Pi 3-phosphoinositide-dependent p	-32.7868	-34.4585	1	1 BH
PITG_03648	Pi hypothetical protein (919 nt)	-32.5602	-34.9117	1	1 BH
PITG_03649	Pi conserved hypothetical protein (	-33.2108	-33.6105	1	1 BH
PITG_03661	Pi cysteinyl-tRNA synthetase, putat	-14.5178	-0.06293	1	1 BH
PITG_03669	Pi conserved hypothetical protein (	-34.2191	-31.5939	1	1 BH
PITG_03682	Pi conserved hypothetical protein (	-32.8458	-34.3406	1	1 BH
PITG_03690	Pi hypothetical protein (483 nt)	-50.0161	0	1	1 BH
PITG_03691	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_03692	Pi Voltage-gated Ion Channel (VIC)	-50.0161	0	1	1 BH

PITG_03734	Pi conserved hypothetical protein (	-33.1242	-33.7836	1	1 BH
PITG_03739	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_03759	Pi conserved hypothetical protein (	-32.7847	-34.4627	1	1 BH
PITG_03764	Pi polyribonucleotide nucleotidyltr	-33.5302	-32.9718	1	1 BH
PITG_03775	Pi protein kinase, putative (2426 nt)	-33.3283	-33.3755	1	1 BH
PITG_03777	Pi conserved hypothetical protein (	-32.5385	-34.955	1	1 BH
PITG_03796	Pi conserved hypothetical protein (	-14.3697	-0.34815	1	1 BH
PITG_03797	Pi conserved hypothetical protein (	-33.9938	-32.0444	1	1 BH
PITG_03799	Pi eukaryotic initiation factor 4E, p	-14.3812	-0.3251	1	1 BH
PITG_03813	Pi tripeptidyl-peptidase, putative (	-33.2108	-33.6105	1	1 BH
PITG_03823	Pi conserved hypothetical protein (	-33.4706	-33.0909	1	1 BH
PITG_03833	Pi diacylglycerol O-acyltransferase,	-33.5851	-32.862	1	1 BH
PITG_03840	Pi endomembrane protein 70-like	-33.267	-33.4981	1	1 BH
PITG_03841	Pi endomembrane protein 70-like	-32.8458	-34.3406	1	1 BH
PITG_03842	Pi conserved hypothetical protein (	-32.5846	-34.8628	1	1 BH
PITG_03851	Pi conserved hypothetical protein (	-34.3408	-31.3505	1	1 BH
PITG_03866	Pi hypothetical protein (1045 nt)	-34.2191	-31.5939	1	1 BH
PITG_03876	Pi U3 small nucleolar RNA-interacti	-33.1943	-33.6435	1	1 BH
PITG_03885	Pi conserved hypothetical protein (	-33.267	-33.4981	1	1 BH
PITG_03890	Pi conserved hypothetical protein (	-33.7227	-32.5868	1	1 BH
PITG_03899	Pi conserved hypothetical protein (	-33.1592	-33.7138	1	1 BH
PITG_03929	Pi conserved hypothetical protein (	-32.5599	-34.9123	1	1 BH
PITG_03930	Pi zinc phosphodiesterase, putative	-34.1864	-31.6594	1	1 BH
PITG_03931	Pi conserved hypothetical protein (	-33.6527	-32.7266	1	1 BH
PITG_03943	Pi conserved hypothetical protein (	-33.0968	-33.8385	1	1 BH
PITG_03944	Pi conserved hypothetical protein (	-32.5846	-34.8628	1	1 BH
PITG_03948	Pi tubby-like protein (2140 nt)	-33.9073	-32.2176	1	1 BH
PITG_03955	Pi U3 small nucleolar RNA-associat	-33.5851	-32.862	1	1 BH
PITG_03956	Pi conserved hypothetical protein (	-14.2979	1.360576	1	1 BH
PITG_03960	Pi conserved hypothetical protein (	-33.6527	-32.7266	1	1 BH
PITG_03961	Pi conserved hypothetical protein (	-34.1864	-31.6594	1	1 BH
PITG_03974	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_03979	Pi conserved hypothetical protein (	-34.3408	-31.3505	1	1 BH
PITG_03986	Pi bardet-Biedl syndrome 1 family	-34.459	-31.1142	1	1 BH
PITG_03987	Pi DEAD/DEAH box RNA helicase, p	-32.7868	-34.4585	1	1 BH
PITG_03997	Pi conserved hypothetical protein (	-32.7937	-34.4448	1	1 BH
PITG_03998	Pi conserved hypothetical protein (	-33.9938	-32.0444	1	1 BH
PITG_04006	Pi conserved hypothetical protein (	-14.5944	0.083835	1	1 BH
PITG_04032	Pi conserved hypothetical protein (	-33.8446	-32.3428	1	1 BH
PITG_04071	Pi putative extracellular dioxygena	-50.0161	0	1	1 BH
PITG_04074	Pi secreted RxLR effector peptide,	-32.7949	-34.4422	1	1 BH
PITG_04075	Pi sporangia induced hypothetical	-50.0161	0	1	1 BH
PITG_04077	Pi carbohydrate esterase, putative	-33.6561	-32.7199	1	1 BH
PITG_04129	Pi cobalamin synthesis protein, put	-50.0161	0	1	1 BH
PITG_04130	Pi cobalamin synthesis protein, put	-50.0161	0	1	1 BH
PITG_04136	Pi conserved hypothetical protein (	-33.1528	-33.7264	1	1 BH
PITG_04230	Pi conserved hypothetical protein (	-32.7847	-34.4627	1	1 BH

PITG_04231	Pi conserved hypothetical protein (	-34.3408	-31.3505	1	1 BH
PITG_04262	Pi cysteine protease family C59, pu	-32.5599	-34.9123	1	1 BH
PITG_04281	Pi Cleavage induced conserved pro	-34.7809	-30.4703	1	1 BH
PITG_04295	Pi ATP-binding Cassette (ABC) Supe	-33.9872	-32.0576	1	1 BH
PITG_04296	Pi ATP-binding Cassette (ABC) Supe	-33.9073	-32.2176	1	1 BH
PITG_04317	Pi Major Facilitator Superfamily (M	-34.7809	-30.4703	1	1 BH
PITG_04320	Pi Major Facilitator Superfamily (M	-50.0161	0	1	1 BH
PITG_04324	Pi conserved hypothetical protein (	-34.459	-31.1142	1	1 BH
PITG_04339	Pi secreted RxLR effector peptide,	-33.267	-33.4981	1	1 BH
PITG_04341	Pi transmembrane protein, putativ	-50.0161	0	1	1 BH
PITG_04348	Pi conserved hypothetical protein (	-33.2108	-33.6105	1	1 BH
PITG_04352	Pi conserved hypothetical protein (	-33.267	-33.4981	1	1 BH
PITG_04359	Pi conserved hypothetical protein (	-33.1242	-33.7836	1	1 BH
PITG_04377	Pi conserved hypothetical protein (	-33.1528	-33.7264	1	1 BH
PITG_04391	Pi conserved hypothetical protein (	-14.3937	-0.3	1	1 BH
PITG_04392	Pi conserved hypothetical protein (	-33.1849	-33.6624	1	1 BH
PITG_04393	Pi tubulin polyglutamylase, putativ	-33.5194	-32.9934	1	1 BH
PITG_04398	Pi Amino Acid/Auxin Permease (AA	-13.9112	0.562177	1	1 BH
PITG_04441	Pi 3-isopropylmalate dehydrogena:	-15.2218	1.348687	1	1 BH
PITG_04445	Pi conserved hypothetical protein (	-34.7809	-30.4703	1	1 BH
PITG_04450	Pi Zinc (Zn <sup>2+</sup> )-Iron (Fe <sup>2+</sup> ) Permease	-50.0161	0	1	1 BH
PITG_04454	Pi sporangia induced hypothetical	-50.0161	0	1	1 BH
PITG_04457	Pi tripeptidyl-peptidase, putative (	-32.5846	-34.8628	1	1 BH
PITG_04464	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_04467	Pi conserved hypothetical protein (	-33.6188	-32.7945	1	1 BH
PITG_04480	Pi conserved hypothetical protein (	-34.0871	-31.858	1	1 BH
PITG_04481	Pi conserved hypothetical protein (	-14.2862	-0.52875	1	1 BH
PITG_04482	Pi Drug/Metabolite Transporter (D	-32.7868	-34.4585	1	1 BH
PITG_04485	Pi conserved hypothetical protein (	-32.5846	-34.8628	1	1 BH
PITG_04490	Pi conserved hypothetical protein (	-34.459	-31.1142	1	1 BH
PITG_04500	Pi nucleosome assembly protein 1	-13.2856	0.372954	1	1 BH
PITG_04508	Pi conserved hypothetical protein (	-32.5391	-34.9538	1	1 BH
PITG_04511	Pi conserved hypothetical protein (	-33.267	-33.4981	1	1 BH
PITG_04513	Pi RIB72 protein (1656 nt)	-34.459	-31.1142	1	1 BH
PITG_04527	Pi DNA replication licensing factor	-33.2108	-33.6105	1	1 BH
PITG_04529	Pi formin-homology 2 domain-cont	-33.1528	-33.7264	1	1 BH
PITG_04536	Pi conserved hypothetical protein (	-34.0871	-31.858	1	1 BH
PITG_04558	Pi hypothetical protein (2958 nt)	-34.7809	-30.4703	1	1 BH
PITG_04579	Pi conserved hypothetical protein (	-32.7588	-34.5144	1	1 BH
PITG_04588	Pi Amino Acid/Auxin Permease (AA	-32.8458	-34.3406	1	1 BH
PITG_04610	Pi dolichyl-diphosphooligosacchari	-33.2108	-33.6105	1	1 BH
PITG_04634	Pi conserved hypothetical protein (	-33.8221	-32.388	1	1 BH
PITG_04639	Pi conserved hypothetical protein (	-34.459	-31.1142	1	1 BH
PITG_04661	Pi L-amino adipate-semialdehyde d	-32.5391	-34.9538	1	1 BH
PITG_04674	Pi conserved hypothetical protein (	-33.1242	-33.7836	1	1 BH
PITG_04697	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_04711	Pi conserved hypothetical protein (	-33.6188	-32.7945	1	1 BH

PITG_04831	Pi regulator of chromosome conde	-13.7504	0.258029	1	1 BH
PITG_04833	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_04834	Pi conserved hypothetical protein (	-33.4706	-33.0909	1	1 BH
PITG_04843	Pi 60S ribosomal protein L13, puta	-9.32871	-0.05582	1	1 BH
PITG_04847	Pi conserved hypothetical protein (	-33.4706	-33.0909	1	1 BH
PITG_04848	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_04859	Pi Polycystin Cation Channel (PCC)	-34.1864	-31.6594	1	1 BH
PITG_04863	Pi conserved hypothetical protein (	-33.5851	-32.862	1	1 BH
PITG_04866	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_04867	Pi conserved hypothetical protein (	-34.459	-31.1142	1	1 BH
PITG_04871	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_04873	Pi conserved hypothetical protein (	-32.7937	-34.4448	1	1 BH
PITG_04880	Pi Equilibrative Nucleoside Transpc	-33.1592	-33.7138	1	1 BH
PITG_04882	Pi 4-coumarate-CoA ligase, putativ	-32.7847	-34.4627	1	1 BH
PITG_04888	Pi kinesin-like protein (2334 nt)	-33.3191	-33.3938	1	1 BH
PITG_04889	Pi conserved hypothetical protein (	-33.2108	-33.6105	1	1 BH
PITG_04891	Pi conserved hypothetical protein (	-34.1864	-31.6594	1	1 BH
PITG_04922	Pi protein kinase (1188 nt)	-34.2191	-31.5939	1	1 BH
PITG_04935	Pi calcineurin-like phosphoesterase	-33.1242	-33.7836	1	1 BH
PITG_04957	Pi AP-2 complex subunit sigma-1 (4	-34.3408	-31.3505	1	1 BH
PITG_04958	Pi coatomer subunit beta' (3231 nt	-14.2965	-0.51326	1	1 BH
PITG_04967	Pi conserved hypothetical protein (	-34.1864	-31.6594	1	1 BH
PITG_04976	Pi conserved hypothetical protein (	-34.459	-31.1142	1	1 BH
PITG_04980	Pi conserved hypothetical protein (	-33.7227	-32.5868	1	1 BH
PITG_05000	Pi MtN3-like protein (849 nt)	-50.0161	0	1	1 BH
PITG_05075	Pi conserved hypothetical protein (	-33.267	-33.4981	1	1 BH
PITG_05099	Pi conserved hypothetical protein (	-32.7588	-34.5144	1	1 BH
PITG_05111	Pi conserved hypothetical protein (	-33.9872	-32.0576	1	1 BH
PITG_05135	Pi hypothetical protein (463 nt)	-33.9938	-32.0444	1	1 BH
PITG_05150	Pi conserved hypothetical protein (	-33.8221	-32.388	1	1 BH
PITG_05182	Pi hypothetical protein (287 nt)	-33.3283	-33.3755	1	1 BH
PITG_05190	Pi conserved hypothetical protein (	-32.5601	-34.9119	1	1 BH
PITG_05223	Pi phosphatidylinositol-3,4,5-trisph	-50.0161	0	1	1 BH
PITG_05233	Pi CLIP-associating protein, putativ	-32.7847	-34.4627	1	1 BH
PITG_05235	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_05278	Pi conserved hypothetical protein (	-33.1592	-33.7138	1	1 BH
PITG_05288	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_05294	Pi conserved hypothetical protein (	-33.9872	-32.0576	1	1 BH
PITG_05295	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_05296	Pi cleavage induced hypothetical p	-33.6527	-32.7266	1	1 BH
PITG_05301	Pi translation elongation factor 1-a	-13.7636	0.276683	1	1 BH
PITG_05304	Pi Voltage-gated Ion Channel (VIC)	-33.3283	-33.3755	1	1 BH
PITG_05305	Pi conserved hypothetical protein (	-33.6923	-32.6476	1	1 BH
PITG_05319	Pi hypothetical protein (3149 nt)	-33.1321	-33.7679	1	1 BH
PITG_05347	Pi 1-aminocyclopropane-1-carboxy	-12.727	0.016463	1	1 BH
PITG_05353	Pi HSF-type DNA-binding protein, p	-32.8458	-34.3406	1	1 BH
PITG_05356	Pi maleylacetoacetate isomerase (f	-13.0485	-0.11511	1	1 BH

PITG_05361	Pi conserved hypothetical protein (	-33.8446	-32.3428	1	1 BH
PITG_05362	Pi conserved hypothetical protein (	-33.1592	-33.7138	1	1 BH
PITG_05379	Pi conserved hypothetical protein (	-33.5302	-32.9718	1	1 BH
PITG_05392	Pi conserved hypothetical protein (	-32.8276	-34.3769	1	1 BH
PITG_05398	Pi conserved hypothetical protein (	-34.1864	-31.6594	1	1 BH
PITG_05420	Pi conserved hypothetical protein (	-33.1528	-33.7264	1	1 BH
PITG_05477	Pi hypothetical protein (2208 nt)	-34.3408	-31.3505	1	1 BH
PITG_05483	Pi protein kinase, putative (1117 nt)	-33.1753	-33.6814	1	1 BH
PITG_05485	Pi peroxisomal acyl-coenzyme A ox	-32.7847	-34.4627	1	1 BH
PITG_05491	Pi conserved hypothetical protein (	-33.1528	-33.7264	1	1 BH
PITG_05499	Pi conserved hypothetical protein (	-33.6194	-32.7933	1	1 BH
PITG_05510	Pi hypothetical protein (1251 nt)	-32.5385	-34.955	1	1 BH
PITG_05523	Pi ubiquitin-specific protease, puta	-33.267	-33.4981	1	1 BH
PITG_05539	Pi carbon-nitrogen hydrolase, puta	-13.7003	0.167291	1	1 BH
PITG_05541	Pi dolichyl pyrophosphate Man9Gl	-33.1242	-33.7836	1	1 BH
PITG_05551	Pi ribose-phosphate pyrophosphok	-14.9958	0.891764	1	1 BH
PITG_05561	Pi conserved hypothetical protein (	-11.8018	-0.09084	1	1 BH
PITG_05594	Pi O-sialoglycoprotein endopeptida	-33.1592	-33.7138	1	1 BH
PITG_05605	Pi radial spoke head protein, putat	-50.0161	0	1	1 BH
PITG_05607	Pi formin-homology 2 domain-cont	-50.0161	0	1	1 BH
PITG_05608	Pi transmembrane protein, putativ	-50.0161	0	1	1 BH
PITG_05618	Pi phosphatidylinositol 4-phosphat	-33.8446	-32.3428	1	1 BH
PITG_05619	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_05636	Pi transaldolase (1192 nt)	-11.1501	0.332837	1	1 BH
PITG_05642	Pi WD domain-containing protein,	-33.6923	-32.6476	1	1 BH
PITG_05643	Pi hypothetical protein (3228 nt)	-32.5599	-34.9123	1	1 BH
PITG_05654	Pi conserved hypothetical protein (	-32.7868	-34.4585	1	1 BH
PITG_05655	Pi conserved hypothetical protein (	-33.9073	-32.2176	1	1 BH
PITG_05680	Pi conserved hypothetical protein (	-33.1242	-33.7836	1	1 BH
PITG_05708	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_05709	Pi adenylate kinase, putative (1064	-32.5616	-34.9088	1	1 BH
PITG_05712	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_05746	Pi conserved hypothetical protein (	-34.1864	-31.6594	1	1 BH
PITG_05747	Pi conserved hypothetical protein (	-33.6527	-32.7266	1	1 BH
PITG_05749	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_05752	Pi conserved hypothetical protein (	-33.1753	-33.6814	1	1 BH
PITG_05757	Pi structural maintenance of chron	-32.8145	-34.4032	1	1 BH
PITG_05761	Pi transmembrane protein, putativ	-32.5846	-34.8628	1	1 BH
PITG_05778	Pi conserved hypothetical protein (	-12.6818	-0.13808	1	1 BH
PITG_05782	Pi conserved hypothetical protein (	-33.1592	-33.7138	1	1 BH
PITG_05799	Pi conserved hypothetical protein (	-33.267	-33.4981	1	1 BH
PITG_05806	Pi AP-2 complex subunit mu (2148	-50.0161	0	1	1 BH
PITG_05816	Pi conserved hypothetical protein (	-32.7868	-34.4585	1	1 BH
PITG_05819	Pi conserved hypothetical protein (	-33.2108	-33.6105	1	1 BH
PITG_05831	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_05835	Pi sporangia induced conserved hy	-50.0161	0	1	1 BH
PITG_05836	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH



PITG_05862	Pi mitogen-activated protein kinase	-33.9938	-32.0444	1	1 BH
PITG_05863	Pi conserved hypothetical protein (	-34.459	-31.1142	1	1 BH
PITG_05865	Pi serine/threonine protein kinase	-50.0161	0	1	1 BH
PITG_05880	Pi conserved hypothetical protein (	-33.6527	-32.7266	1	1 BH
PITG_05883	Pi bardet-Biedl syndrome 5 protei	-33.6194	-32.7933	1	1 BH
PITG_05909	Pi conserved hypothetical protein (	-33.2108	-33.6105	1	1 BH
PITG_05922	Pi dynein heavy chain (13827 nt)	-33.5302	-32.9718	1	1 BH
PITG_05949	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_05956	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_05998	Pi ribonucleoside-diphosphate redi	-13.7222	0.186278	1	1 BH
PITG_06011	Pi 3'(2'),5'-bisphosphate nucleotid	-33.8221	-32.388	1	1 BH
PITG_06014	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_06023	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_06035	Pi conserved hypothetical protein (	-32.5602	-34.9117	1	1 BH
PITG_06046	Pi conserved hypothetical protein (	-32.7588	-34.5144	1	1 BH
PITG_06047	Pi conserved hypothetical protein (	-33.2308	-33.5705	1	1 BH
PITG_06078	Pi hypothetical protein (1057 nt)	-33.3955	-33.241	1	1 BH
PITG_06106	Pi Intraflagellar Transport Protein $\epsilon$	-33.8446	-32.3428	1	1 BH
PITG_06107	Pi protein kinase, putative (1699 nt)	-33.5851	-32.862	1	1 BH
PITG_06119	Pi conserved hypothetical protein (	-14.6378	0.179466	1	1 BH
PITG_06131	Pi conserved hypothetical protein (	-13.0005	-0.19046	1	1 BH
PITG_06132	Pi katanin p60 ATPase-containing s	-33.267	-33.4981	1	1 BH
PITG_06139	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_06143	Pi Voltage-gated Ion Channel (VIC)	-50.0161	0	1	1 BH
PITG_06144	Pi conserved hypothetical protein (	-33.8221	-32.388	1	1 BH
PITG_06158	Pi conserved hypothetical protein (	-33.1528	-33.7264	1	1 BH
PITG_06166	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_06167	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_06176	Pi conserved hypothetical protein (	-33.1528	-33.7264	1	1 BH
PITG_06201	Pi TATA-box-binding protein (1101	-32.7937	-34.4448	1	1 BH
PITG_06225	Pi flagellar radial spoke protein, pu	-34.0871	-31.858	1	1 BH
PITG_06236	Pi cleavage induced protein kinase	-33.8446	-32.3428	1	1 BH
PITG_06248	Pi ATP-binding Cassette (ABC) Sup	-34.459	-31.1142	1	1 BH
PITG_06257	Pi conserved hypothetical protein (	-33.1528	-33.7264	1	1 BH
PITG_06261	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_06273	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_06309	Pi Voltage-gated Ion Channel (VIC)	-50.0161	0	1	1 BH
PITG_06318	Pi conserved hypothetical protein (	-34.1864	-31.6594	1	1 BH
PITG_06320	Pi T-complex protein 1 subunit eps	-12.3666	0.680911	1	1 BH
PITG_06322	Pi myosin-like protein (9897 nt)	-14.6848	0.244792	1	1 BH
PITG_06327	Pi chromodomain protein, putative	-50.0161	0	1	1 BH
PITG_06332	Pi sugar transporter, putative (154	-32.7604	-34.5114	1	1 BH
PITG_06336	Pi Glycoside-Pentoside-Hexuronide	-34.7809	-30.4703	1	1 BH
PITG_06346	Pi conserved hypothetical protein (	-33.1753	-33.6814	1	1 BH
PITG_06360	Pi conserved hypothetical protein (	-33.7227	-32.5868	1	1 BH
PITG_06382	Pi conserved hypothetical protein (	-34.1864	-31.6594	1	1 BH
PITG_06384	Pi conserved hypothetical protein (	-33.2108	-33.6105	1	1 BH

PITG_06385	Pi conserved hypothetical protein (	-12.0651	0.433181	1	1 BH
PITG_06398	Pi conserved hypothetical protein (	-33.7227	-32.5868	1	1 BH
PITG_06448	Pi pyruvate carboxylase, mitochon	-14.1854	-0.77808	1	1 BH
PITG_06452	Pi formin-homology 2 domain-cont	-32.5391	-34.9538	1	1 BH
PITG_06456	Pi maintenance of ploidy protein r	-34.3408	-31.3505	1	1 BH
PITG_06475	Pi conserved hypothetical protein (	-14.8933	0.694255	1	1 BH
PITG_06494	Pi conserved hypothetical protein (	-34.459	-31.1142	1	1 BH
PITG_06495	Pi M96 mating-specific protein farr	-33.267	-33.4981	1	1 BH
PITG_06513	Pi hypothetical protein (577 nt)	-33.2108	-33.6105	1	1 BH
PITG_06519	Pi conserved hypothetical protein (	-34.7809	-30.4703	1	1 BH
PITG_06521	Pi conserved hypothetical protein (	-33.5302	-32.9718	1	1 BH
PITG_06529	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_06536	Pi conserved hypothetical protein (	-33.267	-33.4981	1	1 BH
PITG_06539	Pi conserved hypothetical protein (	-32.5631	-34.9059	1	1 BH
PITG_06575	Pi transmembrane protein, putativ	-33.1592	-33.7138	1	1 BH
PITG_06594	Pi serine/threonine protein phosph	-14.5733	0.05304	1	1 BH
PITG_06596	Pi conserved hypothetical protein (	-14.7119	0.317628	1	1 BH
PITG_06605	Pi conserved hypothetical protein (	-34.459	-31.1142	1	1 BH
PITG_06606	Pi UDP-N-acetylglucosamine-pepti	-33.9938	-32.0444	1	1 BH
PITG_06607	Pi protein kinase, putative (2332 nt)	-34.459	-31.1142	1	1 BH
PITG_06613	Pi hypothetical protein (645 nt)	-33.1528	-33.7264	1	1 BH
PITG_06629	Pi conserved hypothetical protein (	-33.9938	-32.0444	1	1 BH
PITG_06630	Pi conserved hypothetical protein (	-33.7227	-32.5868	1	1 BH
PITG_06640	Pi conserved hypothetical protein (	-33.1849	-33.6624	1	1 BH
PITG_06646	Pi conserved hypothetical protein (	-33.9938	-32.0444	1	1 BH
PITG_06649	Pi adenyl cyclase-associated prot	-12.7184	0.544472	1	1 BH
PITG_06655	Pi hypothetical protein (327 nt)	-50.0161	0	1	1 BH
PITG_06657	Pi thioredoxin-like protein (1092 nt)	-13.7337	0.236004	1	1 BH
PITG_06661	Pi Chloride Channel (ClC) Family (2	-33.9938	-32.0444	1	1 BH
PITG_06664	Pi conserved hypothetical protein (	-32.7868	-34.4585	1	1 BH
PITG_06666	Pi kinesin-like protein (2770 nt)	-34.7809	-30.4703	1	1 BH
PITG_06672	Pi P-type ATPase (P-ATPase) Super	-34.7809	-30.4703	1	1 BH
PITG_06680	Pi conserved hypothetical protein (	-33.267	-33.4981	1	1 BH
PITG_06689	Pi sporangia induced conserved hy	-33.3283	-33.3755	1	1 BH
PITG_06718	Pi tenascin-like protein (2301 nt)	-34.459	-31.1142	1	1 BH
PITG_06720	Pi conserved hypothetical protein (	-33.7227	-32.5868	1	1 BH
PITG_06721	Pi conserved hypothetical protein (	-34.459	-31.1142	1	1 BH
PITG_06725	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_06726	Pi Voltage-gated Ion Channel (VIC)	-34.459	-31.1142	1	1 BH
PITG_06727	Pi Voltage-gated Ion Channel (VIC)	-34.1864	-31.6594	1	1 BH
PITG_06731	Pi H <sup>-</sup> -translocating Pyrophosphatas	-12.1602	0.623354	1	1 BH
PITG_06734	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_06741	Pi conserved hypothetical protein (	-33.267	-33.4981	1	1 BH
PITG_06758	Pi conserved hypothetical protein (	-14.277	-0.55358	1	1 BH
PITG_06770	Pi hypothetical protein (444 nt)	-33.267	-33.4981	1	1 BH
PITG_06773	Pi regulator of chromosome conde	-34.0871	-31.858	1	1 BH
PITG_06774	Pi conserved hypothetical protein (	-33.1528	-33.7264	1	1 BH

PITG_06778	Pi clusterin-associated protein 1 (1	-33.8446	-32.3428	1	1 BH
PITG_06788	Pi exoglucanase 1 precursor (1575	-34.459	-31.1142	1	1 BH
PITG_06791	Pi conserved hypothetical protein (	-33.2308	-33.5705	1	1 BH
PITG_06792	Pi conserved hypothetical protein (	-33.2108	-33.6105	1	1 BH
PITG_06796	Pi conserved hypothetical protein (	-32.7588	-34.5144	1	1 BH
PITG_06808	Pi trehalase, putative (1971 nt)	-33.267	-33.4981	1	1 BH
PITG_06814	Pi tyrosine phosphatase, putative (	-12.6475	0.410195	1	1 BH
PITG_06815	Pi NADH dehydrogenase flavoprote	-12.0693	0.436448	1	1 BH
PITG_06830	Pi ubiquitin-conjugating enzyme E2	-33.7227	-32.5868	1	1 BH
PITG_06836	Pi conserved hypothetical protein (	-33.1242	-33.7836	1	1 BH
PITG_06850	Pi conserved hypothetical protein (	-32.7937	-34.4448	1	1 BH
PITG_06854	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_06877	Pi conserved hypothetical protein (	-32.5385	-34.955	1	1 BH
PITG_06891	Pi S-formylglutathione hydrolase, p	-14.5364	-0.03471	1	1 BH
PITG_06893	Pi conserved hypothetical protein (	-32.7868	-34.4585	1	1 BH
PITG_06904	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_06912	Pi Amino Acid/Auxin Permease (AA	-32.5387	-34.9546	1	1 BH
PITG_06915	Pi flagella associated protein (1619	-34.2191	-31.5939	1	1 BH
PITG_06920	Pi SEC1 family transporter SLY1 (18	-32.5616	-34.9088	1	1 BH
PITG_06926	Pi cysteine protease family C01A, p	-50.0161	0	1	1 BH
PITG_06934	Pi conserved hypothetical protein (	-32.8458	-34.3406	1	1 BH
PITG_06939	Pi conserved hypothetical protein (	-33.3955	-33.241	1	1 BH
PITG_06949	Pi Intraflagellar Transport Protein 2	-33.4706	-33.0909	1	1 BH
PITG_06964	Pi protein kinase, putative (2352 nt)	-50.0161	0	1	1 BH
PITG_06968	Pi conserved hypothetical protein (	-14.4558	-0.17707	1	1 BH
PITG_06969	Pi oxidoreductase, putative (1123 r	-13.7161	0.200755	1	1 BH
PITG_06978	Pi metalloprotease family M20D, p	-33.1753	-33.6814	1	1 BH
PITG_07007	Pi hypothetical protein (1026 nt)	-33.9073	-32.2176	1	1 BH
PITG_07012	Pi transmembrane protein, putativ	-33.7227	-32.5868	1	1 BH
PITG_07016	Pi Voltage-gated Ion Channel (VIC)	-50.0161	0	1	1 BH
PITG_07020	Pi conserved hypothetical protein (	-33.8221	-32.388	1	1 BH
PITG_07024	Pi inosine-5'-monophosphate dehy	-15.1461	1.189893	1	1 BH
PITG_07026	Pi conserved hypothetical protein (	-33.1242	-33.7836	1	1 BH
PITG_07031	Pi conserved hypothetical protein (	-33.4706	-33.0909	1	1 BH
PITG_07036	Pi ubiquitin activating enzyme, E1 f	-14.3533	-0.40753	1	1 BH
PITG_07047	Pi THO complex subunit, putative (	-32.5391	-34.9538	1	1 BH
PITG_07048	Pi superoxide dismutase, mitochor	-11.6081	0.530912	1	1 BH
PITG_07065	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_07076	Pi Voltage-gated Ion Channel (VIC)	-50.0161	0	1	1 BH
PITG_07078	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_07086	Pi Major Facilitator Superfamily (M	-33.3757	-33.2808	1	1 BH
PITG_07120	Pi conserved hypothetical protein (	-33.9938	-32.0444	1	1 BH
PITG_07124	Pi conserved hypothetical protein (	-33.1849	-33.6624	1	1 BH
PITG_07128	Pi conserved hypothetical protein (	-33.7227	-32.5868	1	1 BH
PITG_07135	Pi conserved hypothetical protein (	-33.1592	-33.7138	1	1 BH
PITG_07136	Pi serine protease family S33, puta	-50.0161	0	1	1 BH
PITG_07141	Pi methionyl-tRNA synthetase, put	-33.1528	-33.7264	1	1 BH

PITG_07151	Pi conserved hypothetical protein (	-34.7809	-30.4703	1	1 BH
PITG_07153	Pi serine protease family S10, puta	-14.2826	-0.53457	1	1 BH
PITG_07155	Pi conserved hypothetical protein (	-10.9546	-0.2315	1	1 BH
PITG_07161	Pi serine protease family S10, puta	-33.5851	-32.862	1	1 BH
PITG_07162	Pi sideroflexin-1-like protein (978 r	-14.5103	-0.06808	1	1 BH
PITG_07184	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_07195	Pi AP-4 complex subunit sigma, put	-13.6937	-0.28587	1	1 BH
PITG_07212	Pi conserved hypothetical protein (	-32.7847	-34.4627	1	1 BH
PITG_07216	Pi ATPase WRNIP1 (1628 nt)	-33.267	-33.4981	1	1 BH
PITG_07226	Pi conserved hypothetical protein (	-33.2108	-33.6105	1	1 BH
PITG_07248	Pi protein kinase (2918 nt)	-33.9938	-32.0444	1	1 BH
PITG_07249	Pi conserved hypothetical protein (	-15.9205	2.738598	1	1 BH
PITG_07251	Pi protein kinase (2493 nt)	-50.0161	0	1	1 BH
PITG_07270	Pi conserved hypothetical protein (	-34.459	-31.1142	1	1 BH
PITG_07271	Pi conserved hypothetical protein (	-34.459	-31.1142	1	1 BH
PITG_07276	Pi exopolysaccharide phosphotran:	-33.1592	-33.7138	1	1 BH
PITG_07289	Pi phosphatidylinositol kinase (416	-32.5616	-34.9088	1	1 BH
PITG_07292	Pi hcp beta-lactamase-like protein	-32.5387	-34.9546	1	1 BH
PITG_07293	Pi conserved hypothetical protein (	-33.1528	-33.7264	1	1 BH
PITG_07301	Pi conserved hypothetical protein (	-32.7588	-34.5144	1	1 BH
PITG_07317	Pi protein kinase (2850 nt)	-50.0161	0	1	1 BH
PITG_07319	Pi calcium-activated potassium cha	-34.1864	-31.6594	1	1 BH
PITG_07334	Pi carbohydrate esterase, putative	-32.7588	-34.5144	1	1 BH
PITG_07336	Pi hypothetical protein (2464 nt)	-34.1864	-31.6594	1	1 BH
PITG_07343	Pi conserved hypothetical protein (	-34.0871	-31.858	1	1 BH
PITG_07344	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_07345	Pi transmembrane protein, putativ	-50.0161	0	1	1 BH
PITG_07348	Pi conserved hypothetical protein (	-33.8446	-32.3428	1	1 BH
PITG_07355	Pi cleavage induced hypothetical p	-33.5194	-32.9934	1	1 BH
PITG_07389	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_07406	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_07410	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_07433	Pi conserved hypothetical protein (	-33.1242	-33.7836	1	1 BH
PITG_07487	Pi EF hand containing protein, puta	-34.1864	-31.6594	1	1 BH
PITG_07496	Pi conserved hypothetical protein (	-32.7868	-34.4585	1	1 BH
PITG_07510	Pi hypothetical protein (1039 nt)	-32.5601	-34.9119	1	1 BH
PITG_07536	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_07546	Pi replication protein A 32 kDa sub	-14.6056	0.115071	1	1 BH
PITG_07628	Pi tubulin-specific chaperone E, pu	-32.5607	-34.9107	1	1 BH
PITG_07635	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_07652	Pi mitogen-activated protein kinas	-33.1849	-33.6624	1	1 BH
PITG_07682	Pi conserved hypothetical protein (	-34.459	-31.1142	1	1 BH
PITG_07686	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_07700	Pi conserved hypothetical protein (	-32.5607	-34.9107	1	1 BH
PITG_07714	Pi ATP-binding Cassette (ABC) supe	-34.1864	-31.6594	1	1 BH
PITG_07715	Pi ATP-binding Cassette (ABC) Supe	-33.6194	-32.7933	1	1 BH
PITG_07717	Pi ATP-binding Cassette (ABC) Supe	-33.3955	-33.241	1	1 BH

PITG_07728	Pi conserved hypothetical protein (	-33.4509	-33.1303	1	1 BH
PITG_07741	Pi secreted RxLR effector peptide,	-50.0161	0	1	1 BH
PITG_07752	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_07797	Pi methionyl-tRNA synthetase, put	-32.8145	-34.4032	1	1 BH
PITG_07804	Pi conserved hypothetical protein (	-33.267	-33.4981	1	1 BH
PITG_07817	Pi conserved hypothetical protein (	-33.1528	-33.7264	1	1 BH
PITG_07821	Pi ATP-dependent RNA helicase, pu	-33.4509	-33.1303	1	1 BH
PITG_07831	Pi conserved hypothetical protein (	-34.459	-31.1142	1	1 BH
PITG_07832	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_07837	Pi conserved hypothetical protein (	-33.9938	-32.0444	1	1 BH
PITG_07838	Pi conserved hypothetical protein (	-34.1864	-31.6594	1	1 BH
PITG_07843	Pi protein disulfide-isomerase, put	-13.4785	-0.31111	1	1 BH
PITG_07847	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_07855	Pi Drug/Metabolite Transporter (D	-32.8145	-34.4032	1	1 BH
PITG_07861	Pi carbohydrate-binding protein, p	-14.6415	0.17944	1	1 BH
PITG_07878	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_07882	Pi conserved hypothetical protein (	-33.9938	-32.0444	1	1 BH
PITG_07886	Pi EF-hand domain-containing prot	-50.0161	0	1	1 BH
PITG_07910	Pi 5'-AMP-activated protein kinase	-34.459	-31.1142	1	1 BH
PITG_07912	Pi Polycystin Cation Channel (PCC)	-33.9938	-32.0444	1	1 BH
PITG_07922	Pi hypothetical protein (478 nt)	-33.6188	-32.7945	1	1 BH
PITG_07926	Pi glycoprotein-N-acetylgalactosar	-33.2108	-33.6105	1	1 BH
PITG_07937	Pi conserved hypothetical protein (	-33.2108	-33.6105	1	1 BH
PITG_07950	Pi Voltage-gated Ion Channel (VIC)	-34.1864	-31.6594	1	1 BH
PITG_07951	Pi conserved hypothetical protein (	-33.7378	-32.5565	1	1 BH
PITG_07959	Pi conserved hypothetical protein (	-34.459	-31.1142	1	1 BH
PITG_07972	Pi conserved hypothetical protein (	-11.9494	0.199267	1	1 BH
PITG_07992	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_07994	Pi Dicarboxylate/Amino Acid:Catio	-33.267	-33.4981	1	1 BH
PITG_08000	Pi glucosylceramidase (2040 nt)	-34.459	-31.1142	1	1 BH
PITG_08001	Pi glucosylceramidase, putative (20	-14.5224	-0.06265	1	1 BH
PITG_08004	Pi glucosylceramidase, putative (20	-33.1242	-33.7836	1	1 BH
PITG_08011	Pi pre-mRNA-splicing factor RSE1 (:	-32.5599	-34.9123	1	1 BH
PITG_08014	Pi proteasome subunit beta type-2	-12.2612	0.470067	1	1 BH
PITG_08015	Pi Dynein 1b Light Intermediate Ch	-34.2191	-31.5939	1	1 BH
PITG_08016	Pi vesicle-trafficking protein SEC22	-32.5616	-34.9088	1	1 BH
PITG_08022	Pi threonine dehydratase, putative	-32.7588	-34.5144	1	1 BH
PITG_08026	Pi DEAD/DEAH box RNA helicase, p	-33.8221	-32.388	1	1 BH
PITG_08038	Pi sporangia induced hypothetical	-32.7937	-34.4448	1	1 BH
PITG_08046	Pi kinesin-like protein (3040 nt)	-33.8446	-32.3428	1	1 BH
PITG_08049	Pi Equilibrative Nucleoside Transpc	-33.2108	-33.6105	1	1 BH
PITG_08059	Pi conserved hypothetical protein (	-33.9938	-32.0444	1	1 BH
PITG_08072	Pi conserved hypothetical protein (	-33.1753	-33.6814	1	1 BH
PITG_08095	Pi conserved hypothetical protein (	-32.7847	-34.4627	1	1 BH
PITG_08099	Pi PLAC8 family protein (711 nt)	-50.0161	0	1	1 BH
PITG_08107	Pi hypothetical protein (888 nt)	-50.0161	0	1	1 BH
PITG_08128	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH

PITG_08129	Pi folic acid synthesis protein fol1,	-33.267	-33.4981	1	1 BH
PITG_08130	Pi conserved hypothetical protein (	-34.7809	-30.4703	1	1 BH
PITG_08139	Pi conserved hypothetical protein (	-14.8561	0.594222	1	1 BH
PITG_08155	Pi peptidyl-prolyl cis-trans isomera	-33.2108	-33.6105	1	1 BH
PITG_08156	Pi conserved hypothetical protein (	-33.3757	-33.2808	1	1 BH
PITG_08178	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_08179	Pi ATP-binding Cassette (ABC) Supε	-33.2108	-33.6105	1	1 BH
PITG_08188	Pi conserved hypothetical protein (	-14.6351	0.179122	1	1 BH
PITG_08202	Pi conserved hypothetical protein (	-17.1998	5.293305	1	1 BH
PITG_08285	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_08295	Pi dynein heavy chain (12098 nt)	-33.3955	-33.241	1	1 BH
PITG_08314	Pi ATP-binding Cassette (ABC) Supε	-33.1528	-33.7264	1	1 BH
PITG_08315	Pi conserved hypothetical protein (	-33.7227	-32.5868	1	1 BH
PITG_08326	Pi DNA polymerase alpha catalytic	-32.8458	-34.3406	1	1 BH
PITG_08334	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_08363	Pi conserved hypothetical protein (	-33.9938	-32.0444	1	1 BH
PITG_08365	Pi Voltage-gated Ion Channel (VIC)	-33.6527	-32.7266	1	1 BH
PITG_08374	Pi conserved hypothetical protein (	-32.8145	-34.4032	1	1 BH
PITG_08387	Pi phosphatidylinositol kinase (PIK-	-50.0161	0	1	1 BH
PITG_08400	Pi conserved hypothetical protein (	-33.267	-33.4981	1	1 BH
PITG_08404	Pi cleavage induced hypothetical p	-34.1864	-31.6594	1	1 BH
PITG_08408	Pi conserved hypothetical protein (	-32.7949	-34.4422	1	1 BH
PITG_08419	Pi sporangia induced hypothetical	-33.9073	-32.2176	1	1 BH
PITG_08427	Pi conserved hypothetical protein (	-33.7378	-32.5565	1	1 BH
PITG_08437	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_08458	Pi kinesin-like protein (2444 nt)	-50.0161	0	1	1 BH
PITG_08475	Pi conserved hypothetical protein (	-33.9938	-32.0444	1	1 BH
PITG_08492	Pi cytochrome b5-like protein (914	-50.0161	0	1	1 BH
PITG_08493	Pi hypothetical protein (588 nt)	-34.1864	-31.6594	1	1 BH
PITG_08494	Pi conserved hypothetical protein (	-33.9938	-32.0444	1	1 BH
PITG_08495	Pi hypothetical protein (1083 nt)	-13.6075	-0.02401	1	1 BH
PITG_08539	Pi conserved hypothetical protein (	-33.267	-33.4981	1	1 BH
PITG_08543	Pi conserved hypothetical protein (	-33.5302	-32.9718	1	1 BH
PITG_08544	Pi Solute:Sodium Symporter (SSS) f	-33.7227	-32.5868	1	1 BH
PITG_08559	Pi conserved hypothetical protein (	-33.4509	-33.1303	1	1 BH
PITG_08567	Pi conserved hypothetical protein (	-33.267	-33.4981	1	1 BH
PITG_08569	Pi conserved hypothetical protein (	-34.7809	-30.4703	1	1 BH
PITG_08579	Pi isoleucyl-tRNA synthetase (3531	-14.2101	1.175534	1	1 BH
PITG_08590	Pi carbohydrate esterase, putative	-32.7949	-34.4422	1	1 BH
PITG_08592	Pi conserved hypothetical protein (	-34.3408	-31.3505	1	1 BH
PITG_08604	Pi Arsenical Resistance-3 (ACR3) Fa	-33.267	-33.4981	1	1 BH
PITG_08606	Pi conserved hypothetical protein (	-33.6194	-32.7933	1	1 BH
PITG_08607	Pi conserved hypothetical protein (	-32.7847	-34.4627	1	1 BH
PITG_08627	Pi conserved hypothetical protein (	-34.0871	-31.858	1	1 BH
PITG_08646	Pi polysaccharide lyase, putative (5	-32.7868	-34.4585	1	1 BH
PITG_08659	Pi conserved hypothetical protein (	-11.6636	0.563768	1	1 BH
PITG_08661	Pi CDK5 regulatory subunit-associa	-33.2108	-33.6105	1	1 BH

PITG_08676	Pi 26S proteasome non-ATPase reg	-13.0916	-0.00156	1	1 BH
PITG_08684	Pi conserved hypothetical protein (	-33.2108	-33.6105	1	1 BH
PITG_08685	Pi conserved hypothetical protein (	-33.9073	-32.2176	1	1 BH
PITG_08687	Pi Mitochondrial Carrier (MC) Fami	-33.1528	-33.7264	1	1 BH
PITG_08691	Pi conserved hypothetical protein (	-33.4509	-33.1303	1	1 BH
PITG_08695	Pi extended synaptotagmin, putati	-33.8446	-32.3428	1	1 BH
PITG_08696	Pi iron-sulfur cluster scaffold prote	-14.2826	-0.53457	1	1 BH
PITG_08699	Pi conserved hypothetical protein (	-32.5607	-34.9107	1	1 BH
PITG_08714	Pi lysyl-tRNA synthetase (1990 nt)	-15.2907	1.470021	1	1 BH
PITG_08715	Pi conserved hypothetical protein (	-14.6364	0.179232	1	1 BH
PITG_08717	Pi conserved hypothetical protein (	-33.9073	-32.2176	1	1 BH
PITG_08720	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_08746	Pi conserved hypothetical protein (	-32.8145	-34.4032	1	1 BH
PITG_08753	Pi tubulin-tyrosine ligase family, pu	-34.1864	-31.6594	1	1 BH
PITG_08755	Pi myb-like DNA-binding protein, p	-34.1864	-31.6594	1	1 BH
PITG_08757	Pi Voltage-gated Ion Channel (VIC)	-50.0161	0	1	1 BH
PITG_08758	Pi Chloride Channel (ClC) Family (2)	-33.5302	-32.9718	1	1 BH
PITG_08762	Pi conserved hypothetical protein (	-13.7911	0.333686	1	1 BH
PITG_08770	Pi conserved hypothetical protein (	-33.2108	-33.6105	1	1 BH
PITG_08775	Pi hypothetical protein (1536 nt)	-33.5302	-32.9718	1	1 BH
PITG_08785	Pi conserved hypothetical protein (	-33.9073	-32.2176	1	1 BH
PITG_08793	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_08795	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_08803	Pi mannitol dehydrogenase, putati	-34.459	-31.1142	1	1 BH
PITG_08810	Pi conserved hypothetical protein (	-12.6079	0.336057	1	1 BH
PITG_08840	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_08841	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_08843	Pi mannitol dehydrogenase, putati	-50.0161	0	1	1 BH
PITG_08845	Pi mannitol dehydrogenase, putati	-33.7378	-32.5565	1	1 BH
PITG_08864	Pi conserved hypothetical protein (	-33.4706	-33.0909	1	1 BH
PITG_08875	Pi conserved hypothetical protein (	-34.7809	-30.4703	1	1 BH
PITG_08880	Pi ADP-ribosylation factor family (2	-33.8221	-32.388	1	1 BH
PITG_08882	Pi choline transporter-like protein (	-50.0161	0	1	1 BH
PITG_08893	Pi conserved hypothetical protein (	-33.9073	-32.2176	1	1 BH
PITG_08916	Pi kinesin-like protein (2333 nt)	-33.9872	-32.0576	1	1 BH
PITG_08922	Pi Rab11 family GTPase, putative (:	-50.0161	0	1	1 BH
PITG_08928	Pi conserved hypothetical protein (	-33.6923	-32.6476	1	1 BH
PITG_08933	Pi calcium/calmodulin-dependent :	-33.8221	-32.388	1	1 BH
PITG_08934	Pi hypothetical protein (558 nt)	-33.2308	-33.5705	1	1 BH
PITG_08936	Pi hypothetical protein (2118 nt)	-33.1528	-33.7264	1	1 BH
PITG_08938	Pi hypothetical protein (605 nt)	-50.0161	0	1	1 BH
PITG_08954	Pi conserved hypothetical protein (	-34.7809	-30.4703	1	1 BH
PITG_08955	Pi GTP cyclohydrolase I (972 nt)	-33.1592	-33.7138	1	1 BH
PITG_08960	Pi myb-like DNA-binding protein, p	-33.1528	-33.7264	1	1 BH
PITG_08977	Pi hypothetical protein (419 nt)	-33.1321	-33.7679	1	1 BH
PITG_08979	Pi vacuolar protein sorting-associat	-50.0161	0	1	1 BH
PITG_08991	Pi insulin-degrading-like enzyme, n	-33.1528	-33.7264	1	1 BH

PITG_08997	Pi ATP-dependent RNA helicase DB	-32.5846	-34.8628	1	1 BH
PITG_09005	Pi conserved hypothetical protein (	-33.267	-33.4981	1	1 BH
PITG_09009	Pi conserved hypothetical protein (	-34.459	-31.1142	1	1 BH
PITG_09034	Pi conserved hypothetical protein (	-33.2108	-33.6105	1	1 BH
PITG_09061	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_09073	Pi hypothetical protein (1517 nt)	-33.2308	-33.5705	1	1 BH
PITG_09089	Pi exportin-6-like protein (3714 nt)	-32.8458	-34.3406	1	1 BH
PITG_09121	Pi conserved hypothetical protein (	-34.7809	-30.4703	1	1 BH
PITG_09137	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_09138	Pi conserved hypothetical protein (	-33.1592	-33.7138	1	1 BH
PITG_09192	Pi mannan endo-1,4-beta-mannosi	-34.3408	-31.3505	1	1 BH
PITG_09208	Pi aquaporin, putative (745 nt)	-50.0161	0	1	1 BH
PITG_09210	Pi hypothetical protein (524 nt)	-32.8145	-34.4032	1	1 BH
PITG_09249	Pi sporangia induced hypothetical	-34.0871	-31.858	1	1 BH
PITG_09260	Pi conserved hypothetical protein (	-33.2108	-33.6105	1	1 BH
PITG_09282	Pi calcium-transporting ATPase 1, ε	-12.6009	-0.30234	1	1 BH
PITG_09292	Pi Dicer-like 1 (DCL1) (4995 nt)	-33.2108	-33.6105	1	1 BH
PITG_09293	Pi GAF domain-containing protein (	-33.267	-33.4981	1	1 BH
PITG_09303	Pi conserved hypothetical protein (	-33.1528	-33.7264	1	1 BH
PITG_09304	Pi conserved hypothetical protein (	-13.7648	0.294394	1	1 BH
PITG_09312	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_09321	Pi conserved hypothetical protein (	-33.8221	-32.388	1	1 BH
PITG_09341	Pi conserved hypothetical protein (	-33.7227	-32.5868	1	1 BH
PITG_09344	Pi kinesin-like protein (2518 nt)	-34.7809	-30.4703	1	1 BH
PITG_09348	Pi glutaredoxin, putative (1448 nt)	-14.6215	0.146896	1	1 BH
PITG_09362	Pi conserved hypothetical protein (	-33.2108	-33.6105	1	1 BH
PITG_09375	Pi cGMP-dependent protein kinase	-33.9073	-32.2176	1	1 BH
PITG_09376	Pi conserved hypothetical protein (	-32.7847	-34.4627	1	1 BH
PITG_09384	Pi aquaporin, putative (825 nt)	-33.5465	-32.9391	1	1 BH
PITG_09393	Pi pyruvate kinase (1566 nt)	-14.6234	0.146868	1	1 BH
PITG_09400	Pi pyruvate kinase (1889 nt)	-12.0925	-0.2522	1	1 BH
PITG_09404	Pi myosin-like protein (4883 nt)	-13.8651	0.450158	1	1 BH
PITG_09414	Pi conserved hypothetical protein (	-33.1592	-33.7138	1	1 BH
PITG_09419	Pi gamma-soluble NSF attachment	-32.8145	-34.4032	1	1 BH
PITG_09448	Pi conserved hypothetical protein (	-33.1592	-33.7138	1	1 BH
PITG_09456	Pi nitroreductase family, putative (	-32.7868	-34.4585	1	1 BH
PITG_09462	Pi conserved hypothetical protein (	-33.2108	-33.6105	1	1 BH
PITG_09470	Pi arabinan endo-1,5-alpha-L-arabi	-50.0161	0	1	1 BH
PITG_09471	Pi F-box protein, putative (879 nt)	-34.459	-31.1142	1	1 BH
PITG_09472	Pi conserved hypothetical protein (	-11.3971	-0.09909	1	1 BH
PITG_09473	Pi conserved hypothetical protein (	-33.9073	-32.2176	1	1 BH
PITG_09477	Pi ATP-binding Cassette (ABC) Supe	-33.1528	-33.7264	1	1 BH
PITG_09505	Pi centrosome-associated protein,	-32.8458	-34.3406	1	1 BH
PITG_09506	Pi 30S ribosomal protein S5, putati	-14.2596	1.283983	1	1 BH
PITG_09547	Pi conserved hypothetical protein (	-10.7105	0.177961	1	1 BH
PITG_09572	Pi conserved hypothetical protein (	-33.1592	-33.7138	1	1 BH
PITG_09582	Pi ATP phosphoribosyltransferase (	-14.6329	0.174635	1	1 BH



PITG_09585	Pi secreted RxLR effector peptide,	-32.7604	-34.5114	1	1 BH
PITG_09595	Pi conserved hypothetical protein (	-33.9872	-32.0576	1	1 BH
PITG_09620	Pi protein kinase (354 nt)	-32.6274	-34.7773	1	1 BH
PITG_09631	Pi conserved hypothetical protein (	-15.2163	1.331587	1	1 BH
PITG_09638	Pi conserved hypothetical protein (	-33.1242	-33.7836	1	1 BH
PITG_09648	Pi conserved hypothetical protein (	-33.1592	-33.7138	1	1 BH
PITG_09650	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_09667	Pi sporangia induced bZIP regulate	-50.0161	0	1	1 BH
PITG_09700	Pi conserved hypothetical protein (	-32.5387	-34.9546	1	1 BH
PITG_09708	Pi conserved hypothetical protein (	-34.459	-31.1142	1	1 BH
PITG_09715	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_09747	Pi conserved hypothetical protein (	-32.7847	-34.4627	1	1 BH
PITG_09760	Pi mucin-like protein (4777 nt)	-12.3944	0.349073	1	1 BH
PITG_09765	Pi hypothetical protein (1420 nt)	-33.8446	-32.3428	1	1 BH
PITG_09785	Pi lipase maturation factor 2 (2229	-33.1592	-33.7138	1	1 BH
PITG_09792	Pi DEAD/DEAH box RNA helicase, p	-33.3955	-33.241	1	1 BH
PITG_09816	Pi conserved hypothetical protein (	-32.7588	-34.5144	1	1 BH
PITG_09839	Pi conserved hypothetical protein (	-34.0871	-31.858	1	1 BH
PITG_09846	Pi prolyl-tRNA synthetase, putative	-13.8421	0.433676	1	1 BH
PITG_09852	Pi conserved hypothetical protein (	-32.5631	-34.9059	1	1 BH
PITG_09867	Pi calcineurin-like phosphoesterase	-33.1242	-33.7836	1	1 BH
PITG_09868	Pi hypothetical protein (977 nt)	-34.7809	-30.4703	1	1 BH
PITG_09880	Pi conserved hypothetical protein (	-32.7868	-34.4585	1	1 BH
PITG_09885	Pi ATP-binding Cassette (ABC) Supe	-50.0161	0	1	1 BH
PITG_09887	Pi alternative oxidase, putative (91	-50.0161	0	1	1 BH
PITG_09900	Pi 2Fe-2S ferredoxin, putative (545	-33.0495	-33.9331	1	1 BH
PITG_09904	Pi hypothetical protein (3114 nt)	-50.0161	0	1	1 BH
PITG_09921	Pi conserved hypothetical protein (	-33.1592	-33.7138	1	1 BH
PITG_09937	Pi dolichol-phosphate mannosyltra	-14.5147	-0.0642	1	1 BH
PITG_09965	Pi protein transport Sec23/Sec24-li	-14.7263	0.355237	1	1 BH
PITG_09967	Pi conserved hypothetical protein (	-33.3955	-33.241	1	1 BH
PITG_09968	Pi conserved hypothetical protein (	-33.267	-33.4981	1	1 BH
PITG_09983	Pi protocadherin Fat-like protein (1	-33.9938	-32.0444	1	1 BH
PITG_10002	Pi conserved hypothetical protein (	-32.5601	-34.9119	1	1 BH
PITG_10034	Pi fatty acyl-CoA reductase, putativ	-33.267	-33.4981	1	1 BH
PITG_10042	Pi conserved hypothetical protein (	-33.0495	-33.9331	1	1 BH
PITG_10052	Pi choline/Carnitine O-acyltransfer	-32.7868	-34.4585	1	1 BH
PITG_10059	Pi conserved hypothetical protein (	-33.1528	-33.7264	1	1 BH
PITG_10068	Pi polycomb-like protein (3343 nt)	-32.8145	-34.4032	1	1 BH
PITG_10076	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_10094	Pi Intraflagellar Transport Protein $\xi$	-50.0161	0	1	1 BH
PITG_10096	Pi conserved hypothetical protein (	-34.459	-31.1142	1	1 BH
PITG_10107	Pi Multidrug/Oligosaccharidyl-lipid	-34.0871	-31.858	1	1 BH
PITG_10120	Pi conserved hypothetical protein (	-33.267	-33.4981	1	1 BH
PITG_10123	Pi Drug/Metabolite Transporter (D	-33.1592	-33.7138	1	1 BH
PITG_10127	Pi ras family GTPase, putative (115	-33.9872	-32.0576	1	1 BH
PITG_10131	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH

PITG_10165	Pi conserved hypothetical protein (	-33.9938	-32.0444	1	1 BH
PITG_10169	Pi 26S protease regulatory subunit	-12.6475	-0.14263	1	1 BH
PITG_10191	Pi conserved hypothetical protein (	-32.5385	-34.955	1	1 BH
PITG_10199	Pi conserved hypothetical protein (	-33.7378	-32.5565	1	1 BH
PITG_10203	Pi conserved hypothetical protein (	-12.006	0.317636	1	1 BH
PITG_10207	Pi Mitochondrial Carrier (MC) Fami	-14.3055	-0.47776	1	1 BH
PITG_10208	Pi conserved hypothetical protein (	-14.8033	0.515401	1	1 BH
PITG_10211	Pi conserved hypothetical protein (	-34.459	-31.1142	1	1 BH
PITG_10226	Pi Ammonium Transporter (Amt) F	-50.0161	0	1	1 BH
PITG_10250	Pi conserved hypothetical protein (	-32.7868	-34.4585	1	1 BH
PITG_10256	Pi conserved hypothetical protein (	-34.459	-31.1142	1	1 BH
PITG_10284	Pi cellulose binding elicitor lectin (C	-50.0161	0	1	1 BH
PITG_10287	Pi adenylate cyclase, putative (472	-34.459	-31.1142	1	1 BH
PITG_10291	Pi conserved hypothetical protein (	-33.2108	-33.6105	1	1 BH
PITG_10294	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_10299	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_10355	Pi conserved hypothetical protein (	-33.1528	-33.7264	1	1 BH
PITG_10380	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_10399	Pi glycoside hydrolase, putative (14	-33.1592	-33.7138	1	1 BH
PITG_10412	Pi SCP-like extracellular protein (91	-34.459	-31.1142	1	1 BH
PITG_10413	Pi SCP-like extracellular protein (54	-50.0161	0	1	1 BH
PITG_10421	Pi conserved hypothetical protein (	-34.1864	-31.6594	1	1 BH
PITG_10422	Pi conserved hypothetical protein (	-33.267	-33.4981	1	1 BH
PITG_10437	Pi acyl-CoA dehydrogenase/oxidase	-32.8458	-34.3406	1	1 BH
PITG_10457	Pi RNA-dependent RNA Polymerase	-33.1528	-33.7264	1	1 BH
PITG_10475	Pi kinesin-like protein (2201 nt)	-50.0161	0	1	1 BH
PITG_10492	Pi lactation elevated protein 1 (134	-33.2108	-33.6105	1	1 BH
PITG_10507	Pi cleavage induced hypothetical p	-33.7227	-32.5868	1	1 BH
PITG_10508	Pi programmed cell death protein :	-33.1528	-33.7264	1	1 BH
PITG_10509	Pi L-2-hydroxyglutarate dehydroge	-32.7604	-34.5114	1	1 BH
PITG_10517	Pi tenascin-like protein (2406 nt)	-33.1528	-33.7264	1	1 BH
PITG_10519	Pi pantoate beta-alanine ligase, pu	-33.1753	-33.6814	1	1 BH
PITG_10524	Pi gastricsin, aspartyl protease fam	-14.6392	0.179819	1	1 BH
PITG_10526	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_10571	Pi hypothetical protein (357 nt)	-50.0161	0	1	1 BH
PITG_10574	Pi RNA pseudouridylate synthase, p	-33.267	-33.4981	1	1 BH
PITG_10576	Pi conserved hypothetical protein (	-32.7868	-34.4585	1	1 BH
PITG_10592	Pi DEAD/DEAH box RNA helicase, p	-33.267	-33.4981	1	1 BH
PITG_10600	Pi conserved hypothetical protein (	-14.491	-0.11777	1	1 BH
PITG_10611	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_10622	Pi lipase, putative (689 nt)	-33.267	-33.4981	1	1 BH
PITG_10651	Pi conserved hypothetical protein (	-34.0871	-31.858	1	1 BH
PITG_10702	Pi conserved hypothetical protein (	-33.1592	-33.7138	1	1 BH
PITG_10745	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_10747	Pi conserved hypothetical protein (	-13.4659	-0.29961	1	1 BH
PITG_10768	Pi conserved hypothetical protein (	-15.9205	2.738598	1	1 BH
PITG_10769	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH

PITG_10772	Pi putative GPI-anchored elicitin IN	-15.0545	0.997534	1	1 BH
PITG_10792	Pi conserved hypothetical protein (	-32.7937	-34.4448	1	1 BH
PITG_10816	Pi conserved hypothetical protein (	-33.1753	-33.6814	1	1 BH
PITG_10819	Pi midasin-like protein (18373 nt)	-33.3955	-33.241	1	1 BH
PITG_10834	Pi calcium-activated potassium cha	-33.5302	-32.9718	1	1 BH
PITG_10846	Pi lysosomal alpha-glucosidase, pu	-33.9938	-32.0444	1	1 BH
PITG_10849	Pi conserved hypothetical protein (	-33.9938	-32.0444	1	1 BH
PITG_10889	Pi conserved hypothetical protein (	-33.2108	-33.6105	1	1 BH
PITG_10897	Pi Chloride Channel (ClC) Family (2	-50.0161	0	1	1 BH
PITG_10915	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_10916	Pi eukaryotic translation initiation	-13.2636	0.351422	1	1 BH
PITG_10949	Pi conserved hypothetical protein (	-33.1849	-33.6624	1	1 BH
PITG_10954	Pi conserved hypothetical protein (	-33.267	-33.4981	1	1 BH
PITG_10955	Pi conserved hypothetical protein (	-33.1592	-33.7138	1	1 BH
PITG_10965	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_10966	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_10981	Pi conserved hypothetical protein (	-33.9938	-32.0444	1	1 BH
PITG_10984	Pi choline transporter-like protein	-50.0161	0	1	1 BH
PITG_10991	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_10997	Pi hypothetical protein (2542 nt)	-50.0161	0	1	1 BH
PITG_10999	Pi endo-1,3(4)-beta-glucanase, put	-50.0161	0	1	1 BH
PITG_11008	Pi conserved hypothetical protein (	-33.5194	-32.9934	1	1 BH
PITG_11009	Pi conserved hypothetical protein (	-13.5307	-0.16997	1	1 BH
PITG_11021	Pi conserved hypothetical protein (	-33.9073	-32.2176	1	1 BH
PITG_11025	Pi hypothetical protein (1299 nt)	-50.0161	0	1	1 BH
PITG_11027	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_11040	Pi hypothetical protein (540 nt)	-13.0152	-0.17474	1	1 BH
PITG_11063	Pi 26S proteasome non-ATPase reg	-13.0016	-0.17487	1	1 BH
PITG_11068	Pi hypothetical protein (521 nt)	-50.0161	0	1	1 BH
PITG_11075	Pi conserved hypothetical protein (	-33.4706	-33.0909	1	1 BH
PITG_11084	Pi transmembrane protein, putativ	-33.2108	-33.6105	1	1 BH
PITG_11085	Pi phospholipid-transporting ATPas	-34.1864	-31.6594	1	1 BH
PITG_11087	Pi conserved hypothetical protein (	-32.7847	-34.4627	1	1 BH
PITG_11088	Pi conserved hypothetical protein (	-32.7604	-34.5114	1	1 BH
PITG_11096	Pi hypothetical protein (1086 nt)	-50.0161	0	1	1 BH
PITG_11098	Pi conserved hypothetical protein (	-32.7868	-34.4585	1	1 BH
PITG_11102	Pi cGMP-dependent protein kinase	-50.0161	0	1	1 BH
PITG_11111	Pi leucyl-tRNA synthetase, cytoplas	-32.5391	-34.9538	1	1 BH
PITG_11114	Pi conserved hypothetical protein (	-32.8145	-34.4032	1	1 BH
PITG_11121	Pi ATP-binding Cassette (ABC) Supe	-33.1592	-33.7138	1	1 BH
PITG_11130	Pi conserved hypothetical protein (	-33.8221	-32.388	1	1 BH
PITG_11152	Pi conserved hypothetical protein (	-14.5733	0.05304	1	1 BH
PITG_11169	Pi histone-binding protein RBBP7 (:	-33.267	-33.4981	1	1 BH
PITG_11181	Pi conserved hypothetical protein (	-34.3408	-31.3505	1	1 BH
PITG_11184	Pi conserved hypothetical protein (	-33.2108	-33.6105	1	1 BH
PITG_11185	Pi hypothetical protein (579 nt)	-50.0161	0	1	1 BH
PITG_11188	Pi conserved hypothetical protein (	-33.2108	-33.6105	1	1 BH

PITG_11196	Pi conserved hypothetical protein (	-34.459	-31.1142	1	1 BH
PITG_11203	Pi anoctamin-like protein (2730 nt)	-33.6527	-32.7266	1	1 BH
PITG_11229	Pi aldehyde dehydrogenase, putati	-32.5631	-34.9059	1	1 BH
PITG_11238	Pi nuclear LIM factor interactor-int	-34.0871	-31.858	1	1 BH
PITG_11239	Pi nuclear LIM factor interactor-int	-50.0161	0	1	1 BH
PITG_11241	Pi nuclear LIM factor interactor-int	-32.5616	-34.9088	1	1 BH
PITG_11246	Pi conserved hypothetical protein (	-33.267	-33.4981	1	1 BH
PITG_11253	Pi serine/threonine protein kinase	-34.2191	-31.5939	1	1 BH
PITG_11262	Pi conserved hypothetical protein (	-15.0672	1.015046	1	1 BH
PITG_11275	Pi conserved hypothetical protein (	-33.9938	-32.0444	1	1 BH
PITG_11292	Pi conserved hypothetical protein (	-32.8145	-34.4032	1	1 BH
PITG_11293	Pi alcohol dehydrogenase, putative	-13.3437	0.486826	1	1 BH
PITG_11327	Pi Annexin (Annexin) Family (2498	-11.2161	0.413722	1	1 BH
PITG_11329	Pi Annexin (Annexin) Family (3825	-12.6409	-0.19251	1	1 BH
PITG_11375	Pi conserved hypothetical protein (	-34.2191	-31.5939	1	1 BH
PITG_11396	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_11400	Pi cleavage induced hypothetical p	-50.0161	0	1	1 BH
PITG_11403	Pi WD domain-containing protein (	-33.2108	-33.6105	1	1 BH
PITG_11434	Pi conserved hypothetical protein (	-33.3955	-33.241	1	1 BH
PITG_11457	Pi phosphoribosylformylglycinamic	-33.8446	-32.3428	1	1 BH
PITG_11472	Pi Intraflagellar Transport Protein 7	-33.4706	-33.0909	1	1 BH
PITG_11477	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_11490	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_11495	Pi Multidrug/Oligosaccharidyl-lipid	-34.7809	-30.4703	1	1 BH
PITG_11496	Pi conserved hypothetical protein (	-32.7604	-34.5114	1	1 BH
PITG_11504	Pi cleavage induced hypothetical p	-34.0871	-31.858	1	1 BH
PITG_11522	Pi aspartyl protease family A01B, p	-34.1864	-31.6594	1	1 BH
PITG_11526	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_11538	Pi conserved hypothetical protein (	-33.8889	-32.2543	1	1 BH
PITG_11548	Pi conserved hypothetical protein (	-33.1528	-33.7264	1	1 BH
PITG_11568	Pi hypothetical protein (996 nt)	-15.0014	0.883462	1	1 BH
PITG_11586	Pi conserved hypothetical protein (	-14.7035	0.314694	1	1 BH
PITG_11588	Pi hypothetical cleavage-induced p	-12.9951	-0.18562	1	1 BH
PITG_11603	Pi peptidyl-prolyl cis-trans isomera	-11.1513	0.360891	1	1 BH
PITG_11616	Pi conserved hypothetical protein (	-34.1864	-31.6594	1	1 BH
PITG_11626	Pi proteasome subunit beta type-6	-12.4165	0.393214	1	1 BH
PITG_11629	Pi conserved hypothetical protein (	-33.9938	-32.0444	1	1 BH
PITG_11638	Pi voltage-gated potassium channe	-14.148	1.041763	1	1 BH
PITG_11652	Pi conserved hypothetical protein (	-33.9938	-32.0444	1	1 BH
PITG_11699	Pi hypothetical protein (1409 nt)	-33.2108	-33.6105	1	1 BH
PITG_11704	Pi lectin, putative (1295 nt)	-14.3148	-0.47271	1	1 BH
PITG_11712	Pi neutral alpha-glucosidase, putat	-13.7796	0.314479	1	1 BH
PITG_11729	Pi conserved hypothetical protein (	-13.838	0.433105	1	1 BH
PITG_11734	Pi 50S ribosomal protein L3-2 (111	-14.344	-0.4006	1	1 BH
PITG_11735	Pi conserved hypothetical protein (	-32.8145	-34.4032	1	1 BH
PITG_11749	Pi conserved hypothetical protein (	-34.0871	-31.858	1	1 BH
PITG_11756	Pi Voltage-gated Ion Channel (VIC)	-34.0871	-31.858	1	1 BH

PITG_11794	Pi conserved hypothetical protein (	-34.3408	-31.3505	1	1 BH
PITG_11802	Pi conserved hypothetical protein (	-32.8458	-34.3406	1	1 BH
PITG_11812	Pi DNA replication licensing factor	-33.2108	-33.6105	1	1 BH
PITG_11818	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_11823	Pi hypothetical protein (954 nt)	-34.7809	-30.4703	1	1 BH
PITG_11838	Pi Major facilitator Superfamily (13	-50.0161	0	1	1 BH
PITG_11845	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_11848	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_11859	Pi hypothetical protein (989 nt)	-33.1753	-33.6814	1	1 BH
PITG_11862	Pi conserved hypothetical protein (	-32.7604	-34.5114	1	1 BH
PITG_11863	Pi transmembrane protein, putativ	-33.9938	-32.0444	1	1 BH
PITG_11875	Pi peptidase, putative (1983 nt)	-33.9073	-32.2176	1	1 BH
PITG_11878	Pi conserved hypothetical protein (	-34.3408	-31.3505	1	1 BH
PITG_11879	Pi hypothetical protein (1593 nt)	-50.0161	0	1	1 BH
PITG_11885	Pi cleavage induced hypothetical p	-33.9938	-32.0444	1	1 BH
PITG_11910	Pi serine protease family S08A, put	-50.0161	0	1	1 BH
PITG_11927	Pi conserved hypothetical protein (	-14.9427	0.789311	1	1 BH
PITG_11937	Pi conserved hypothetical protein (	-34.1864	-31.6594	1	1 BH
PITG_11940	Pi chitin-binding protein, putative (	-33.6561	-32.7199	1	1 BH
PITG_11959	Pi conserved hypothetical protein (	-14.3067	-0.49293	1	1 BH
PITG_11960	Pi Amino Acid-Polyamine-Organoc	-33.1592	-33.7138	1	1 BH
PITG_11963	Pi ATP-binding Cassette (ABC) Supe	-34.1864	-31.6594	1	1 BH
PITG_11969	Pi ATP-binding Cassette (ABC) Supe	-33.3955	-33.241	1	1 BH
PITG_11979	Pi conserved hypothetical protein (	-32.5599	-34.9123	1	1 BH
PITG_11983	Pi conserved hypothetical protein (	-33.267	-33.4981	1	1 BH
PITG_11988	Pi Mitochondrial Carrier (MC) Fami	-50.0161	0	1	1 BH
PITG_11989	Pi alcohol dehydrogenase, putative	-50.0161	0	1	1 BH
PITG_12003	Pi conserved hypothetical protein (	-33.1528	-33.7264	1	1 BH
PITG_12058	Pi ATP-binding Cassette (ABC) Supe	-33.9938	-32.0444	1	1 BH
PITG_12112	Pi conserved hypothetical protein (	-33.267	-33.4981	1	1 BH
PITG_12113	Pi conserved hypothetical protein (	-33.2308	-33.5705	1	1 BH
PITG_12115	Pi calmodulin-like protein (2661 nt	-33.7227	-32.5868	1	1 BH
PITG_12142	Pi conserved hypothetical protein (	-32.8458	-34.3406	1	1 BH
PITG_12176	Pi conserved hypothetical protein (	-33.4509	-33.1303	1	1 BH
PITG_12186	Pi sporangia induced mitogen-activ	-50.0161	0	1	1 BH
PITG_12193	Pi 50S ribosomal protein L1 (1144 r	-13.8953	0.559249	1	1 BH
PITG_12195	Pi katanin p60 ATPase-containing s	-33.9073	-32.2176	1	1 BH
PITG_12214	Pi conserved hypothetical protein (	-33.267	-33.4981	1	1 BH
PITG_12215	Pi Zinc (Zn <sup>2+</sup> )-Iron (Fe <sup>2+</sup> ) Permease	-34.0871	-31.858	1	1 BH
PITG_12221	Pi conserved hypothetical protein (	-34.3408	-31.3505	1	1 BH
PITG_12222	Pi sporangia induced conserved hy	-50.0161	0	1	1 BH
PITG_12232	Pi phosphatidic acid phosphatase,	-32.8145	-34.4032	1	1 BH
PITG_12265	Pi nuclear prelamin A recognition f	-33.1242	-33.7836	1	1 BH
PITG_12273	Pi conserved hypothetical protein (	-32.5387	-34.9546	1	1 BH
PITG_12278	Pi sterol O-acyltransferase, putativ	-50.0161	0	1	1 BH
PITG_12283	Pi conserved hypothetical protein (	-33.2108	-33.6105	1	1 BH
PITG_12284	Pi hypothetical protein (1024 nt)	-33.1528	-33.7264	1	1 BH

PITG_12304	Pi TATA-box-binding protein, putat	-33.1592	-33.7138	1	1 BH
PITG_12313	Pi hypothetical protein (691 nt)	-50.0161	0	1	1 BH
PITG_12316	Pi conserved hypothetical protein (	-33.2108	-33.6105	1	1 BH
PITG_12317	Pi conserved hypothetical protein (	-33.8446	-32.3428	1	1 BH
PITG_12357	Pi gastricsin, putative (1410 nt)	-32.5631	-34.9059	1	1 BH
PITG_12427	Pi conserved hypothetical protein (	-11.3524	-0.18835	1	1 BH
PITG_12450	Pi hypothetical protein (887 nt)	-34.3408	-31.3505	1	1 BH
PITG_12452	Pi conserved hypothetical protein (	-34.459	-31.1142	1	1 BH
PITG_12462	Pi aconitate hydratase, putative (2	-13.8761	0.517063	1	1 BH
PITG_12484	Pi conserved hypothetical protein (	-33.5302	-32.9718	1	1 BH
PITG_12490	Pi conserved hypothetical protein (	-33.1321	-33.7679	1	1 BH
PITG_12502	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_12522	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_12524	Pi elongation factor 3, putative (34	-34.0871	-31.858	1	1 BH
PITG_12532	Pi conserved hypothetical protein (	-33.1528	-33.7264	1	1 BH
PITG_12535	Pi eukaryotic peptide chain release	-33.4706	-33.0909	1	1 BH
PITG_12548	Pi type I inositol-3,4-bisphosphate	-32.7847	-34.4627	1	1 BH
PITG_12549	Pi conserved hypothetical protein (	-33.267	-33.4981	1	1 BH
PITG_12552	Pi conserved hypothetical protein (	-34.459	-31.1142	1	1 BH
PITG_12568	Pi sporangia induced parkin coregu	-50.0161	0	1	1 BH
PITG_12571	Pi conserved hypothetical protein (	-33.9872	-32.0576	1	1 BH
PITG_12572	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_12577	Pi sporangia induced dynein heavy	-33.267	-33.4981	1	1 BH
PITG_12579	Pi kinesin-like protein (2611 nt)	-33.8446	-32.3428	1	1 BH
PITG_12594	Pi TRAF3-interacting protein, putat	-33.1753	-33.6814	1	1 BH
PITG_12599	Pi elicitin-like protein (1765 nt)	-12.6499	-0.15492	1	1 BH
PITG_12668	Pi conserved hypothetical protein (	-33.1321	-33.7679	1	1 BH
PITG_12682	Pi cytochrome c (606 nt)	-11.6926	0.482301	1	1 BH
PITG_12692	Pi conserved hypothetical protein (	-33.1849	-33.6624	1	1 BH
PITG_12697	Pi 30S ribosomal protein S9 (987 nt)	-14.4542	-0.18027	1	1 BH
PITG_12763	Pi IQ and ubiquitin-like domain-cor	-34.7809	-30.4703	1	1 BH
PITG_12788	Pi 12-oxophytodienoate reductase	-14.4704	-0.14784	1	1 BH
PITG_12797	Pi regulator of nonsense transcript	-32.5385	-34.955	1	1 BH
PITG_12812	Pi sporangia induced conserved hy	-33.8446	-32.3428	1	1 BH
PITG_12818	Pi glutamate carboxypeptidase, pu	-14.3793	-0.3412	1	1 BH
PITG_12827	Pi sporulation induced hypothetica	-33.3757	-33.2808	1	1 BH
PITG_12841	Pi conserved hypothetical protein (	-34.7809	-30.4703	1	1 BH
PITG_12844	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_12845	Pi conserved hypothetical protein (	-33.8446	-32.3428	1	1 BH
PITG_12853	Pi conserved hypothetical protein (	-32.8145	-34.4032	1	1 BH
PITG_12864	Pi asparaginyl-tRNA synthetase (15	-13.1172	0.791921	1	1 BH
PITG_12870	Pi conserved hypothetical protein (	-33.9872	-32.0576	1	1 BH
PITG_12878	Pi hypothetical protein similar to s	-33.9872	-32.0576	1	1 BH
PITG_12891	Pi conserved hypothetical protein (	-33.4706	-33.0909	1	1 BH
PITG_12901	Pi conserved hypothetical protein (	-33.267	-33.4981	1	1 BH
PITG_12902	Pi conserved hypothetical protein (	-33.1242	-33.7836	1	1 BH
PITG_12903	Pi protein kinase (2275 nt)	-33.7227	-32.5868	1	1 BH

PITG_12904	Pi conserved hypothetical protein (	-12.3356	0.246831	1	1 BH
PITG_12911	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_12949	Pi conserved hypothetical protein (	-32.8458	-34.3406	1	1 BH
PITG_12950	Pi cAMP-specific 3',5'-cyclic phosph	-50.0161	0	1	1 BH
PITG_12959	Pi conserved hypothetical protein (	-34.459	-31.1142	1	1 BH
PITG_12960	Pi conserved hypothetical protein (	-33.267	-33.4981	1	1 BH
PITG_12962	Pi histone deacetylase, putative (1	-33.4706	-33.0909	1	1 BH
PITG_12982	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_13019	Pi conserved hypothetical protein (	-33.1528	-33.7264	1	1 BH
PITG_13030	Pi P-type ATPase (P-ATPase) Super	-33.8446	-32.3428	1	1 BH
PITG_13040	Pi conserved hypothetical protein (	-33.2108	-33.6105	1	1 BH
PITG_13042	Pi conserved hypothetical protein (	-32.5846	-34.8628	1	1 BH
PITG_13043	Pi conserved hypothetical protein (	-33.3283	-33.3755	1	1 BH
PITG_13044	Pi secreted RxLR effector peptide,	-14.6498	0.208469	1	1 BH
PITG_13064	Pi conserved hypothetical protein (	-32.7588	-34.5144	1	1 BH
PITG_13065	Pi myosin-like protein (5690 nt)	-33.267	-33.4981	1	1 BH
PITG_13115	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_13135	Pi copper-transporting ATPase, put	-32.5616	-34.9088	1	1 BH
PITG_13150	Pi phosphatidylinositol kinase (768	-33.1528	-33.7264	1	1 BH
PITG_13160	Pi conserved hypothetical protein (	-34.7809	-30.4703	1	1 BH
PITG_13172	Pi GPI mannosyltransferase, putati	-33.1592	-33.7138	1	1 BH
PITG_13174	Pi translation initiation factor IF-2,	-33.2108	-33.6105	1	1 BH
PITG_13175	Pi ATP-binding Cassette (ABC) Super	-50.0161	0	1	1 BH
PITG_13198	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_13231	Pi cobalamin synthesis protein, put	-50.0161	0	1	1 BH
PITG_13234	Pi conserved hypothetical protein (	-33.1528	-33.7264	1	1 BH
PITG_13240	Pi conserved hypothetical protein (	-33.2108	-33.6105	1	1 BH
PITG_13252	Pi conserved hypothetical protein (	-14.5919	0.084042	1	1 BH
PITG_13253	Pi hypothetical protein (1914 nt)	-33.5851	-32.862	1	1 BH
PITG_13264	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_13276	Pi conserved hypothetical protein (	-33.1753	-33.6814	1	1 BH
PITG_13289	Pi thioredoxin-like protein (1353 nt)	-32.5607	-34.9107	1	1 BH
PITG_13296	Pi aldose 1-epimerase, putative (94	-14.1213	0.978466	1	1 BH
PITG_13299	Pi conserved hypothetical protein (	-33.8446	-32.3428	1	1 BH
PITG_13303	Pi conserved hypothetical protein (	-33.1242	-33.7836	1	1 BH
PITG_13304	Pi conserved hypothetical protein (	-34.7809	-30.4703	1	1 BH
PITG_13312	Pi 40S ribosomal protein S25, puta	-8.8365	0.149026	1	1 BH
PITG_13316	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_13321	Pi conserved hypothetical protein (	-34.0871	-31.858	1	1 BH
PITG_13323	Pi spore induced hypothetical prot	-33.9938	-32.0444	1	1 BH
PITG_13327	Pi conserved hypothetical protein (	-34.7809	-30.4703	1	1 BH
PITG_13346	Pi conserved hypothetical protein (	-33.9938	-32.0444	1	1 BH
PITG_13354	Pi conserved hypothetical protein (	-33.1321	-33.7679	1	1 BH
PITG_13378	Pi conserved hypothetical protein (	-34.1864	-31.6594	1	1 BH
PITG_13389	Pi conserved hypothetical protein (	-33.6194	-32.7933	1	1 BH
PITG_13390	Pi conserved hypothetical protein (	-33.8446	-32.3428	1	1 BH
PITG_13404	Pi DNA-directed RNA polymerase II	-14.7706	0.42986	1	1 BH

PITG_13413	Pi conserved hypothetical protein (	-33.1753	-33.6814	1	1 BH
PITG_13414	Pi conserved hypothetical protein (	-34.3408	-31.3505	1	1 BH
PITG_13440	Pi conserved hypothetical protein (	-32.7868	-34.4585	1	1 BH
PITG_13456	Pi conserved hypothetical protein (	-33.8889	-32.2543	1	1 BH
PITG_13494	Pi elicitor-like transglutaminase, pu	-50.0161	0	1	1 BH
PITG_13496	Pi elicitor-like transglutaminase, pu	-33.9938	-32.0444	1	1 BH
PITG_13511	Pi phosphatidylinositol-4-phosphat	-34.2191	-31.5939	1	1 BH
PITG_13527	Pi conserved hypothetical protein (	-32.7868	-34.4585	1	1 BH
PITG_13562	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_13581	Pi ATP-binding Cassette (ABC) Supe	-50.0161	0	1	1 BH
PITG_13583	Pi ATP-binding Cassette (ABC) Supe	-50.0161	0	1	1 BH
PITG_13595	Pi conserved hypothetical protein (	-33.5194	-32.9934	1	1 BH
PITG_13596	Pi biotin synthase (1332 nt)	-12.4228	0.416093	1	1 BH
PITG_13601	Pi cleavage induced hypothetical p	-50.0161	0	1	1 BH
PITG_13603	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_13604	Pi P-type ATPase (P-ATPase) Super	-50.0161	0	1	1 BH
PITG_13613	Pi P-type ATPase (P-ATPase) Super	-32.7949	-34.4422	1	1 BH
PITG_13657	Pi conserved hypothetical protein (	-14.2672	-0.57308	1	1 BH
PITG_13674	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_13675	Pi conserved hypothetical protein (	-33.4706	-33.0909	1	1 BH
PITG_13678	Pi conserved hypothetical protein (	-32.7588	-34.5144	1	1 BH
PITG_13681	Pi 40S ribosomal protein S26, puta	-8.32502	-0.0196	1	1 BH
PITG_13716	Pi conserved hypothetical protein (	-33.2108	-33.6105	1	1 BH
PITG_13728	Pi NADH dehydrogenase [ubiquino	-13.0458	-0.08641	1	1 BH
PITG_13730	Pi Mitochondrial Carrier (MC) Fami	-33.8446	-32.3428	1	1 BH
PITG_13732	Pi dual specificity phosphatase, put	-33.4706	-33.0909	1	1 BH
PITG_13751	Pi conserved hypothetical protein (	-14.7055	0.318648	1	1 BH
PITG_13755	Pi phosphatidylinositol kinase (PIK-	-50.0161	0	1	1 BH
PITG_13757	Pi conserved hypothetical protein (	-33.2108	-33.6105	1	1 BH
PITG_13772	Pi conserved hypothetical protein (	-32.8458	-34.3406	1	1 BH
PITG_13794	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_13795	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_13814	Pi serine/threonine protein kinase	-50.0161	0	1	1 BH
PITG_13825	Pi ras family GTPase, putative (618	-50.0161	0	1	1 BH
PITG_13831	Pi tryptophanyl-tRNA synthetase (1	-15.0825	1.061406	1	1 BH
PITG_13834	Pi vacuolar protein, putative (1115	-34.459	-31.1142	1	1 BH
PITG_13844	Pi conserved hypothetical protein (	-33.6194	-32.7933	1	1 BH
PITG_13846	Pi WD repeat protein 39 (1095 nt)	-32.7588	-34.5144	1	1 BH
PITG_13850	Pi hypothetical protein (2825 nt)	-34.0871	-31.858	1	1 BH
PITG_13873	Pi alpha-glucosidase, putative (258	-33.1528	-33.7264	1	1 BH
PITG_13881	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_13887	Pi AMP-binding enzyme, putative (	-33.6527	-32.7266	1	1 BH
PITG_13889	Pi 4-coumarate-CoA ligase, putativ	-33.3283	-33.3755	1	1 BH
PITG_13890	Pi hypothetical protein (319 nt)	-50.0161	0	1	1 BH
PITG_13899	Pi conserved hypothetical protein (	-33.2108	-33.6105	1	1 BH
PITG_13906	Pi hypothetical protein (1325 nt)	-33.6527	-32.7266	1	1 BH
PITG_13907	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH



PITG_13908	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_13934	Pi calcium-dependent protein kina	-50.0161	0	1	1 BH
PITG_13937	Pi hypothetical protein (666 nt)	-33.7227	-32.5868	1	1 BH
PITG_13968	Pi dynein heavy chain (13181 nt)	-33.8446	-32.3428	1	1 BH
PITG_13975	Pi hypothetical protein (371 nt)	-32.7949	-34.4422	1	1 BH
PITG_14009	Pi pre-mRNA-splicing factor ATP-de	-33.1592	-33.7138	1	1 BH
PITG_14010	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_14021	Pi hypothetical protein (906 nt)	-33.8446	-32.3428	1	1 BH
PITG_14050	Pi conserved hypothetical protein (	-33.1528	-33.7264	1	1 BH
PITG_14083	Pi glutathione reductase (1482 nt)	-11.3255	0.127609	1	1 BH
PITG_14084	Pi catechol O-methyltransferase, p	-34.3408	-31.3505	1	1 BH
PITG_14112	Pi conserved hypothetical protein (	-33.4706	-33.0909	1	1 BH
PITG_14130	Pi conserved hypothetical protein (	-14.2234	-0.70947	1	1 BH
PITG_14133	Pi programmed cell death protein,	-12.5791	0.278508	1	1 BH
PITG_14134	Pi conserved hypothetical protein (	-32.8458	-34.3406	1	1 BH
PITG_14135	Pi conserved hypothetical protein (	-33.1528	-33.7264	1	1 BH
PITG_14136	Pi tRNA-dihydrouridine synthase, p	-33.1528	-33.7264	1	1 BH
PITG_14138	Pi glycoside hydrolase, putative (12	-50.0161	0	1	1 BH
PITG_14141	Pi 1,3-beta-glucanosyltransferase,	-14.6975	0.28099	1	1 BH
PITG_14148	Pi hypothetical protein (1080 nt)	-33.8889	-32.2543	1	1 BH
PITG_14151	Pi conserved hypothetical protein (	-33.2108	-33.6105	1	1 BH
PITG_14177	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_14182	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_14188	Pi kinesin-like protein KIF6 (2729 n	-34.3408	-31.3505	1	1 BH
PITG_14207	Pi conserved hypothetical protein (	-33.2108	-33.6105	1	1 BH
PITG_14216	Pi methylthioribose-1-phosphate is	-14.7857	0.471493	1	1 BH
PITG_14217	Pi conserved hypothetical protein (	-32.7937	-34.4448	1	1 BH
PITG_14226	Pi conserved hypothetical protein (	-33.9073	-32.2176	1	1 BH
PITG_14247	Pi conserved hypothetical protein (	-33.1753	-33.6814	1	1 BH
PITG_14248	Pi rRNA-processing protein EBP2, p	-15.1461	1.189893	1	1 BH
PITG_14252	Pi conserved hypothetical protein (	-34.7809	-30.4703	1	1 BH
PITG_14281	Pi sporangia induced conserved hy	-34.0871	-31.858	1	1 BH
PITG_14357	Pi dimeric dihydrodiol dehydrogen	-16.3549	3.606167	1	1 BH
PITG_14358	Pi trans-1,2-dihydrobenzene-1,2-di	-33.3955	-33.241	1	1 BH
PITG_14375	Pi conserved hypothetical protein (	-32.5391	-34.9538	1	1 BH
PITG_14384	Pi sodium/potassium-transporting	-50.0161	0	1	1 BH
PITG_14385	Pi conserved hypothetical protein (	-32.8458	-34.3406	1	1 BH
PITG_14388	Pi cytochrome P450, putative (158	-33.016	-34.0001	1	1 BH
PITG_14393	Pi calcium/calmodulin-dependent	-33.1528	-33.7264	1	1 BH
PITG_14397	Pi proliferating cell nuclear antigen	-13.4362	0.678623	1	1 BH
PITG_14402	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_14412	Pi carbonic anhydrase, putative (11	-50.0161	0	1	1 BH
PITG_14439	Pi conserved hypothetical protein (	-12.5002	0.56321	1	1 BH
PITG_14442	Pi hypothetical protein (156 nt)	-32.5385	-34.955	1	1 BH
PITG_14459	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_14461	Pi actin-like protein (1370 nt)	-33.1592	-33.7138	1	1 BH
PITG_14467	Pi conserved hypothetical protein (	-34.7809	-30.4703	1	1 BH

PITG_14471	Pi conserved hypothetical protein (	-33.1753	-33.6814	1	1 BH
PITG_14474	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_14514	Pi HSF-type DNA-binding protein, p	-32.8458	-34.3406	1	1 BH
PITG_14520	Pi conserved hypothetical protein (	-33.7378	-32.5565	1	1 BH
PITG_14530	Pi conserved hypothetical protein (	-34.2191	-31.5939	1	1 BH
PITG_14532	Pi conserved hypothetical protein (	-33.6194	-32.7933	1	1 BH
PITG_14551	Pi hypothetical protein (629 nt)	-33.8221	-32.388	1	1 BH
PITG_14570	Pi conserved hypothetical protein (	-33.6188	-32.7945	1	1 BH
PITG_14579	Pi conserved hypothetical protein (	-33.1592	-33.7138	1	1 BH
PITG_14582	Pi sporangia induced hypothetical	-33.4552	-33.1217	1	1 BH
PITG_14584	Pi microtubule-associated protein	-14.4574	-0.17388	1	1 BH
PITG_14607	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_14617	Pi conserved hypothetical protein (	-32.7588	-34.5144	1	1 BH
PITG_14624	Pi conserved hypothetical protein (	-33.5465	-32.9391	1	1 BH
PITG_14726	Pi hypothetical protein (1975 nt)	-50.0161	0	1	1 BH
PITG_14729	Pi 30S ribosomal protein S16, puta	-13.952	0.672604	1	1 BH
PITG_14740	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_14744	Pi conserved hypothetical protein (	-33.2108	-33.6105	1	1 BH
PITG_14746	Pi conserved hypothetical protein (	-33.267	-33.4981	1	1 BH
PITG_14757	Pi conserved hypothetical protein (	-33.2108	-33.6105	1	1 BH
PITG_14840	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_14851	Pi hypothetical protein (400 nt)	-32.7588	-34.5144	1	1 BH
PITG_14885	Pi DNA-directed RNA polymerase II	-13.2011	0.215186	1	1 BH
PITG_14886	Pi conserved hypothetical protein (	-33.1242	-33.7836	1	1 BH
PITG_14908	Pi bzip controlled hypothetical pro	-34.7809	-30.4703	1	1 BH
PITG_14918	Pi riboflavin biosynthesis protein ri	-33.1592	-33.7138	1	1 BH
PITG_14921	Pi conserved hypothetical protein (	-32.5601	-34.9119	1	1 BH
PITG_14934	Pi conserved hypothetical protein (	-33.2108	-33.6105	1	1 BH
PITG_14938	Pi conserved hypothetical protein (	-34.7809	-30.4703	1	1 BH
PITG_14939	Pi glucosidase, putative (1728 nt)	-13.6034	-0.02657	1	1 BH
PITG_14941	Pi conserved hypothetical protein (	-13.7808	0.330071	1	1 BH
PITG_14945	Pi conserved hypothetical protein (	-33.6527	-32.7266	1	1 BH
PITG_14946	Pi conserved hypothetical protein (	-33.5194	-32.9934	1	1 BH
PITG_14947	Pi conserved hypothetical protein (	-33.4706	-33.0909	1	1 BH
PITG_14980	Pi conserved hypothetical protein (	-33.3955	-33.241	1	1 BH
PITG_14999	Pi hypothetical protein (1256 nt)	-50.0161	0	1	1 BH
PITG_15011	Pi hypothetical protein (1329 nt)	-33.4706	-33.0909	1	1 BH
PITG_15021	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_15033	Pi choline dehydrogenase, putative	-33.5194	-32.9934	1	1 BH
PITG_15041	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_15047	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_15079	Pi conserved hypothetical protein (	-32.5599	-34.9123	1	1 BH
PITG_15085	Pi conserved hypothetical protein (	-33.2108	-33.6105	1	1 BH
PITG_15097	Pi conserved hypothetical protein (	-32.7588	-34.5144	1	1 BH
PITG_15175	Pi conserved hypothetical protein (	-33.4706	-33.0909	1	1 BH
PITG_15196	Pi conserved hypothetical protein (	-33.1242	-33.7836	1	1 BH
PITG_15214	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH

PITG_15223	Pi conserved hypothetical protein (	-33.3283	-33.3755	1	1 BH
PITG_15241	Pi conserved hypothetical protein (	-33.6561	-32.7199	1	1 BH
PITG_15244	Pi ATP-binding Cassette (ABC) Supe	-50.0161	0	1	1 BH
PITG_15250	Pi conserved hypothetical protein (	-13.8997	0.562265	1	1 BH
PITG_15252	Pi conserved hypothetical protein (	-33.1528	-33.7264	1	1 BH
PITG_15253	Pi ATP-binding Cassette (ABC) Supe	-50.0161	0	1	1 BH
PITG_15254	Pi conserved hypothetical protein (	-33.8446	-32.3428	1	1 BH
PITG_15257	Pi conserved hypothetical protein (	-33.1528	-33.7264	1	1 BH
PITG_15264	Pi transmembrane protein, putativ	-50.0161	0	1	1 BH
PITG_15267	Pi phospholipid-transporting ATPase	-32.7847	-34.4627	1	1 BH
PITG_15290	Pi IQ and AAA domain-containing p	-33.6188	-32.7945	1	1 BH
PITG_15293	Pi conserved hypothetical protein (	-33.2108	-33.6105	1	1 BH
PITG_15310	Pi actin-like protein (1413 nt)	-32.8145	-34.4032	1	1 BH
PITG_15335	Pi thioredoxin/dynein outer arm pr	-34.3408	-31.3505	1	1 BH
PITG_15336	Pi conserved hypothetical protein (	-34.459	-31.1142	1	1 BH
PITG_15337	Pi secreted RxLR effector peptide,	-50.0161	0	1	1 BH
PITG_15375	Pi conserved hypothetical protein (	-33.6561	-32.7199	1	1 BH
PITG_15392	Pi leukotriene A-4 hydrolase-like pi	-14.3862	-0.34027	1	1 BH
PITG_15395	Pi conserved hypothetical protein (	-34.7809	-30.4703	1	1 BH
PITG_15414	Pi sporangia induced 28 kDa inner	-50.0161	0	1	1 BH
PITG_15459	Pi GAF domain-containing protein (	-50.0161	0	1	1 BH
PITG_15471	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_15473	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_15491	Pi glutaredoxin (599 nt)	-50.0161	0	1	1 BH
PITG_15547	Pi Amino Acid-Polyamine-Organoca	-50.0161	0	1	1 BH
PITG_15549	Pi Mitochondrial Carrier (MC) Fami	-33.6527	-32.7266	1	1 BH
PITG_15552	Pi phosphatidylinositol-4-phosphat	-33.6194	-32.7933	1	1 BH
PITG_15564	Pi conserved hypothetical protein (	-32.7847	-34.4627	1	1 BH
PITG_15568	Pi conserved hypothetical protein (	-12.5009	0.127115	1	1 BH
PITG_15572	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_15576	Pi glycoside hydrolase, putative (91	-50.0161	0	1	1 BH
PITG_15577	Pi hypothetical protein (1345 nt)	-34.7809	-30.4703	1	1 BH
PITG_15582	Pi conserved hypothetical protein (	-33.8446	-32.3428	1	1 BH
PITG_15616	Pi protein kinase (861 nt)	-33.9872	-32.0576	1	1 BH
PITG_15620	Pi Voltage-gated Ion Channel (VIC)	-34.1864	-31.6594	1	1 BH
PITG_15625	Pi dynein heavy chain (15033 nt)	-33.1528	-33.7264	1	1 BH
PITG_15628	Pi conserved hypothetical protein (	-33.3757	-33.2808	1	1 BH
PITG_15655	Pi conserved hypothetical protein (	-34.7809	-30.4703	1	1 BH
PITG_15659	Pi ribonucleoside-diphosphate redi	-50.0161	0	1	1 BH
PITG_15662	Pi conserved hypothetical protein (	-33.4706	-33.0909	1	1 BH
PITG_15686	Pi conserved hypothetical protein (	-16.1748	3.247302	1	1 BH
PITG_15711	Pi conserved hypothetical protein (	-32.7847	-34.4627	1	1 BH
PITG_15744	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_15745	Pi adhesin-like protein (2106 nt)	-34.7809	-30.4703	1	1 BH
PITG_15758	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_15759	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_15771	Pi hsp70-like protein (2743 nt)	-12.5115	0.102548	1	1 BH

PITG_15777	Pi protein kinase (924 nt)	-33.2308	-33.5705	1	1 BH
PITG_15778	Pi diphosphomevalonate decarbox	-33.267	-33.4981	1	1 BH
PITG_15786	Pi heat shock 70 kDa protein, mito	-11.9892	-0.05058	1	1 BH
PITG_15791	Pi glycoside hydrolase, putative (14	-32.5607	-34.9107	1	1 BH
PITG_15832	Pi conserved hypothetical protein (	-32.5598	-34.9125	1	1 BH
PITG_15838	Pi conserved hypothetical protein (	-33.1528	-33.7264	1	1 BH
PITG_15849	Pi hypothetical protein (264 nt)	-50.0161	0	1	1 BH
PITG_15851	Pi conserved hypothetical protein (	-34.1864	-31.6594	1	1 BH
PITG_15858	Pi conserved hypothetical protein (	-34.1864	-31.6594	1	1 BH
PITG_15862	Pi conserved hypothetical protein (	-33.6194	-32.7933	1	1 BH
PITG_15866	Pi conserved hypothetical protein (	-14.8253	0.557026	1	1 BH
PITG_15867	Pi syntaxin-binding protein, putativ	-33.8446	-32.3428	1	1 BH
PITG_15882	Pi alpha,alpha-trehalose-phosphat	-33.1592	-33.7138	1	1 BH
PITG_15900	Pi ATP-binding Cassette (ABC) Sup	-34.0871	-31.858	1	1 BH
PITG_15923	Pi conserved hypothetical protein (	-15.1877	1.280624	1	1 BH
PITG_15946	Pi hypothetical protein (2795 nt)	-33.2108	-33.6105	1	1 BH
PITG_15947	Pi hypothetical protein (912 nt)	-33.2108	-33.6105	1	1 BH
PITG_15948	Pi serine protease family S33, puta	-34.459	-31.1142	1	1 BH
PITG_15963	Pi conserved hypothetical protein (	-33.8889	-32.2543	1	1 BH
PITG_15964	Pi conserved hypothetical protein (	-34.2191	-31.5939	1	1 BH
PITG_16001	Pi regulator of chromosome conde	-33.8446	-32.3428	1	1 BH
PITG_16014	Pi conserved hypothetical protein (	-33.2108	-33.6105	1	1 BH
PITG_16016	Pi cytochrome oxidase assembly pi	-32.8458	-34.3406	1	1 BH
PITG_16037	Pi conserved hypothetical protein (	-33.267	-33.4981	1	1 BH
PITG_16040	Pi conserved hypothetical protein (	-34.1864	-31.6594	1	1 BH
PITG_16048	Pi triosephosphate isomerase (843	-13.1968	0.215693	1	1 BH
PITG_16055	Pi lysosomal Pro-X carboxypeptida	-32.5602	-34.9117	1	1 BH
PITG_16056	Pi cyclin-dependent kinase-like, pu	-33.6561	-32.7199	1	1 BH
PITG_16061	Pi sodium/potassium-transporting	-34.459	-31.1142	1	1 BH
PITG_16076	Pi glyoxylate/hydroxypyruvate red	-32.7847	-34.4627	1	1 BH
PITG_16078	Pi conserved hypothetical protein (	-32.7847	-34.4627	1	1 BH
PITG_16079	Pi conserved hypothetical protein (	-32.8458	-34.3406	1	1 BH
PITG_16083	Pi glyoxylate/hydroxypyruvate red	-15.092	1.085461	1	1 BH
PITG_16089	Pi conserved hypothetical protein (	-33.5194	-32.9934	1	1 BH
PITG_16092	Pi Multidrug/Oligosaccharidyl-lipid	-34.459	-31.1142	1	1 BH
PITG_16094	Pi hypothetical protein (479 nt)	-50.0161	0	1	1 BH
PITG_16098	Pi D-isomer specific 2-hydroxyacid	-32.5385	-34.955	1	1 BH
PITG_16107	Pi rRNA biogenesis protein rrp5 (58	-33.1592	-33.7138	1	1 BH
PITG_16112	Pi Intraflagellar Transport Protein 5	-34.7809	-30.4703	1	1 BH
PITG_16126	Pi Dicarboxylate/Amino Acid:Catio	-14.6041	0.1147	1	1 BH
PITG_16190	Pi hypothetical protein (2274 nt)	-50.0161	0	1	1 BH
PITG_16213	Pi protein kinase, putative (1315 nt	-33.8446	-32.3428	1	1 BH
PITG_16258	Pi hypothetical protein (522 nt)	-33.6194	-32.7933	1	1 BH
PITG_16278	Pi conserved hypothetical protein (	-34.1864	-31.6594	1	1 BH
PITG_16309	Pi conserved hypothetical protein (	-32.7847	-34.4627	1	1 BH
PITG_16310	Pi conserved hypothetical protein (	-33.0968	-33.8385	1	1 BH
PITG_16317	Pi regulator of microtubule dynam	-32.7588	-34.5144	1	1 BH

PITG_16320	Pi conserved hypothetical protein (	-33.9073	-32.2176	1	1 BH
PITG_16321	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_16324	Pi conserved hypothetical protein (	-34.3408	-31.3505	1	1 BH
PITG_16354	Pi conserved hypothetical protein (	-33.1753	-33.6814	1	1 BH
PITG_16359	Pi UTP-glucose-1-phosphate uridylyl	-32.5599	-34.9123	1	1 BH
PITG_16383	Pi Major Facilitator Superfamily (M	-33.8889	-32.2543	1	1 BH
PITG_16392	Pi conserved hypothetical protein (	-34.459	-31.1142	1	1 BH
PITG_16395	Pi conserved hypothetical protein (	-33.9073	-32.2176	1	1 BH
PITG_16406	Pi conserved hypothetical protein (	-34.1864	-31.6594	1	1 BH
PITG_16432	Pi conserved hypothetical protein (	-33.8446	-32.3428	1	1 BH
PITG_16434	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_16462	Pi conserved hypothetical protein (	-33.2108	-33.6105	1	1 BH
PITG_16465	Pi conserved hypothetical protein (	-34.7809	-30.4703	1	1 BH
PITG_16466	Pi sporulation induced hypothetical	-50.0161	0	1	1 BH
PITG_16473	Pi serine protease family S08A, put	-50.0161	0	1	1 BH
PITG_16483	Pi conserved hypothetical protein (	-34.1864	-31.6594	1	1 BH
PITG_16494	Pi hypothetical protein (410 nt)	-33.9938	-32.0444	1	1 BH
PITG_16512	Pi conserved hypothetical protein (	-33.1753	-33.6814	1	1 BH
PITG_16553	Pi conserved hypothetical protein (	-33.6194	-32.7933	1	1 BH
PITG_16557	Pi conserved hypothetical protein (	-32.5387	-34.9546	1	1 BH
PITG_16559	Pi glycoside hydrolase, putative (25	-50.0161	0	1	1 BH
PITG_16664	Pi conserved hypothetical protein (	-34.2191	-31.5939	1	1 BH
PITG_16668	Pi cyclin-like protein (1014 nt)	-33.1753	-33.6814	1	1 BH
PITG_16674	Pi conserved hypothetical protein (	-33.7378	-32.5565	1	1 BH
PITG_16682	Pi conserved hypothetical protein (	-32.7868	-34.4585	1	1 BH
PITG_16695	Pi N-acetyltransferase 5 (813 nt)	-32.7588	-34.5144	1	1 BH
PITG_16710	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_16719	Pi conserved hypothetical protein (	-32.7868	-34.4585	1	1 BH
PITG_16724	Pi conserved hypothetical protein (	-33.5302	-32.9718	1	1 BH
PITG_16727	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_16734	Pi protein kinase (1372 nt)	-33.2108	-33.6105	1	1 BH
PITG_16781	Pi hypothetical protein (706 nt)	-33.1321	-33.7679	1	1 BH
PITG_16783	Pi conserved hypothetical protein (	-33.7227	-32.5868	1	1 BH
PITG_16840	Pi conserved hypothetical protein (	-33.9938	-32.0444	1	1 BH
PITG_16853	Pi conserved hypothetical protein (	-33.7378	-32.5565	1	1 BH
PITG_16863	Pi conserved hypothetical protein (	-32.7868	-34.4585	1	1 BH
PITG_16865	Pi aldose 1-epimerase, putative (14	-33.0968	-33.8385	1	1 BH
PITG_16884	Pi conserved hypothetical protein (	-33.8889	-32.2543	1	1 BH
PITG_16966	Pi 2-oxoglutarate dehydrogenase E	-13.3234	0.457569	1	1 BH
PITG_16967	Pi cleavage induced hypothetical p	-50.0161	0	1	1 BH
PITG_16974	Pi conserved hypothetical protein (	-32.7868	-34.4585	1	1 BH
PITG_16981	Pi thrombospondin-like protein (72	-34.459	-31.1142	1	1 BH
PITG_17002	Pi conserved hypothetical protein (	-34.0871	-31.858	1	1 BH
PITG_17017	Pi hypothetical protein (969 nt)	-50.0161	0	1	1 BH
PITG_17027	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_17031	Pi conserved hypothetical protein (	-33.6561	-32.7199	1	1 BH
PITG_17041	Pi cardiolipin synthetase, putative	-33.267	-33.4981	1	1 BH

PITG_17045	Pi mannitol dehydrogenase, putati	-13.8851	0.53885	1	1 BH
PITG_17055	Pi endo-1,4-beta-xylanase, putativ	-50.0161	0	1	1 BH
PITG_17073	Pi conserved hypothetical protein (	-34.7809	-30.4703	1	1 BH
PITG_17079	Pi conserved hypothetical protein (	-33.4706	-33.0909	1	1 BH
PITG_17088	Pi conserved hypothetical protein (	-33.9938	-32.0444	1	1 BH
PITG_17090	Pi conserved hypothetical protein (	-32.8458	-34.3406	1	1 BH
PITG_17103	Pi hypothetical protein (652 nt)	-33.3283	-33.3755	1	1 BH
PITG_17105	Pi conserved hypothetical protein (	-33.1528	-33.7264	1	1 BH
PITG_17122	Pi Amino Acid/Auxin Permease (AA	-34.3408	-31.3505	1	1 BH
PITG_17125	Pi conserved hypothetical protein (	-33.8446	-32.3428	1	1 BH
PITG_17127	Pi copper-transporting ATPase, put	-33.1592	-33.7138	1	1 BH
PITG_17132	Pi flagella associated protein (3083	-34.1864	-31.6594	1	1 BH
PITG_17135	Pi arginine n-methyltransferase, pu	-33.1592	-33.7138	1	1 BH
PITG_17141	Pi Major Facilitator Superfamily (M	-33.2108	-33.6105	1	1 BH
PITG_17160	Pi conserved hypothetical protein (	-33.5194	-32.9934	1	1 BH
PITG_17174	Pi conserved hypothetical protein (	-13.7249	0.185671	1	1 BH
PITG_17195	Pi tetrahydrofolate dehydrogenase	-33.1321	-33.7679	1	1 BH
PITG_17242	Pi conserved hypothetical protein (	-33.2108	-33.6105	1	1 BH
PITG_17247	Pi sporangia induced conserved hy	-34.1864	-31.6594	1	1 BH
PITG_17248	Pi conserved hypothetical protein (	-34.1864	-31.6594	1	1 BH
PITG_17258	Pi conserved hypothetical protein (	-33.5851	-32.862	1	1 BH
PITG_17272	Pi conserved hypothetical protein (	-33.5851	-32.862	1	1 BH
PITG_17289	Pi deoxyuridine 5'-triphosphate nu	-33.2308	-33.5705	1	1 BH
PITG_17297	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_17298	Pi tRNA (cytosine-5-)-methyltransf	-33.1753	-33.6814	1	1 BH
PITG_17313	Pi conserved hypothetical protein (	-33.1592	-33.7138	1	1 BH
PITG_17314	Pi cysteine protease family C01A, p	-50.0161	0	1	1 BH
PITG_17315	Pi sporangia induced conserved hy	-50.0161	0	1	1 BH
PITG_17328	Pi transmembrane protein, putativ	-33.2108	-33.6105	1	1 BH
PITG_17362	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_17396	Pi syntaxin, putative (1273 nt)	-50.0161	0	1	1 BH
PITG_17407	Pi Poly(A) polymerase beta (2210 r	-32.8458	-34.3406	1	1 BH
PITG_17410	Pi protein kinase, putative (1201 nt	-50.0161	0	1	1 BH
PITG_17426	Pi conserved hypothetical protein (	-32.7937	-34.4448	1	1 BH
PITG_17439	Pi Ca2 :Cation Antiporter (CaCA) Fa	-32.7868	-34.4585	1	1 BH
PITG_17477	Pi conserved hypothetical protein (	-34.7809	-30.4703	1	1 BH
PITG_17478	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_17481	Pi conserved hypothetical protein (	-33.2108	-33.6105	1	1 BH
PITG_17485	Pi conserved hypothetical protein (	-32.7588	-34.5144	1	1 BH
PITG_17488	Pi conserved hypothetical protein (	-33.2108	-33.6105	1	1 BH
PITG_17490	Pi Mitochondrial Carrier (MC) Fami	-33.267	-33.4981	1	1 BH
PITG_17492	Pi hypothetical protein (2466 nt)	-32.8145	-34.4032	1	1 BH
PITG_17510	Pi hypothetical protein (626 nt)	-34.1864	-31.6594	1	1 BH
PITG_17512	Pi calcium/calmodulin-dependent p	-32.7847	-34.4627	1	1 BH
PITG_17546	Pi glycoside hydrolase, putative (21	-14.6528	0.213169	1	1 BH
PITG_17549	Pi myosin-like protein (4388 nt)	-32.5607	-34.9107	1	1 BH
PITG_17550	Pi serine protease family S09A, put	-33.1592	-33.7138	1	1 BH

PITG_17556	Pi conserved hypothetical protein (	-32.7847	-34.4627	1	1 BH
PITG_17577	Pi protein kinase, putative (2172 nt)	-32.5607	-34.9107	1	1 BH
PITG_17580	Pi protein kinase (333 nt)	-50.0161	0	1	1 BH
PITG_17581	Pi conserved hypothetical protein (	-33.8446	-32.3428	1	1 BH
PITG_17583	Pi protein kinase (1911 nt)	-33.1528	-33.7264	1	1 BH
PITG_17589	Pi histidine acid phosphatase, puta	-33.2108	-33.6105	1	1 BH
PITG_17595	Pi conserved hypothetical protein (	-33.2308	-33.5705	1	1 BH
PITG_17629	Pi conserved hypothetical protein (	-34.459	-31.1142	1	1 BH
PITG_17639	Pi phosphatidylinositol kinase (191	-33.8446	-32.3428	1	1 BH
PITG_17646	Pi conserved hypothetical protein (	-34.2191	-31.5939	1	1 BH
PITG_17650	Pi conserved hypothetical protein (	-33.4509	-33.1303	1	1 BH
PITG_17681	Pi conserved hypothetical protein (	-33.5465	-32.9391	1	1 BH
PITG_17703	Pi conserved hypothetical protein (	-33.1753	-33.6814	1	1 BH
PITG_17704	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_17718	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_17721	Pi conserved hypothetical protein (	-33.7227	-32.5868	1	1 BH
PITG_17722	Pi conserved hypothetical protein (	-34.0871	-31.858	1	1 BH
PITG_17744	Pi conserved hypothetical protein (	-34.7809	-30.4703	1	1 BH
PITG_17746	Pi conserved hypothetical protein (	-33.1753	-33.6814	1	1 BH
PITG_17771	Pi conserved hypothetical protein (	-33.6561	-32.7199	1	1 BH
PITG_17791	Pi ubiquitin-specific protease, puta	-50.0161	0	1	1 BH
PITG_17805	Pi Amino Acid/Auxin Permease (AA	-14.6322	0.154188	1	1 BH
PITG_17806	Pi Amino Acid/Auxin Permease (AA	-50.0161	0	1	1 BH
PITG_17811	Pi patatin-like phospholipase, puta	-33.1592	-33.7138	1	1 BH
PITG_17825	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_17826	Pi conserved hypothetical protein (	-34.7809	-30.4703	1	1 BH
PITG_17828	Pi putative GPI-anchored serine-th	-33.8221	-32.388	1	1 BH
PITG_17841	Pi conserved hypothetical protein (	-33.9938	-32.0444	1	1 BH
PITG_17849	Pi hypothetical protein (388 nt)	-32.5599	-34.9123	1	1 BH
PITG_17855	Pi conserved hypothetical protein (	-34.1864	-31.6594	1	1 BH
PITG_17877	Pi hypothetical protein (516 nt)	-50.0161	0	1	1 BH
PITG_17881	Pi conserved hypothetical protein (	-34.7809	-30.4703	1	1 BH
PITG_17893	Pi conserved hypothetical protein (	-32.7868	-34.4585	1	1 BH
PITG_17910	Pi conserved hypothetical protein (	-32.5616	-34.9088	1	1 BH
PITG_17925	Pi pentafunctional AROM polypept	-33.3283	-33.3755	1	1 BH
PITG_17954	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_17956	Pi croquemort mating protein M82	-33.9073	-32.2176	1	1 BH
PITG_17960	Pi Dicarboxylate/Amino Acid:Catio	-34.1864	-31.6594	1	1 BH
PITG_17961	Pi Dicarboxylate/Amino Acid:Catio	-34.3408	-31.3505	1	1 BH
PITG_17975	Pi dual 3',5'-cyclic-AMP and-GMP p	-50.0161	0	1	1 BH
PITG_17976	Pi transmembrane protein, putativ	-33.4552	-33.1217	1	1 BH
PITG_17991	Pi CorA Metal Ion Transporter (MII	-33.5851	-32.862	1	1 BH
PITG_17994	Pi Cyclin B (1718 nt)	-32.7588	-34.5144	1	1 BH
PITG_18016	Pi flagellar protein, putative (2007	-32.7868	-34.4585	1	1 BH
PITG_18017	Pi conserved hypothetical protein (	-33.4509	-33.1303	1	1 BH
PITG_18039	Pi conserved hypothetical protein (	-34.1864	-31.6594	1	1 BH
PITG_18065	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH

PITG_18066	Pi conserved hypothetical protein (	-33.9073	-32.2176	1	1 BH
PITG_18073	Pi cell division protein kinase, puta	-32.7868	-34.4585	1	1 BH
PITG_18076	Pi phosphoglycerate mutase family	-33.267	-33.4981	1	1 BH
PITG_18092	Pi conserved hypothetical protein (	-33.5851	-32.862	1	1 BH
PITG_18099	Pi cysteine protease family C15, pu	-14.7437	0.393807	1	1 BH
PITG_18100	Pi conserved hypothetical protein (	-14.1912	1.141564	1	1 BH
PITG_18169	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_18175	Pi conserved hypothetical protein (	-32.5385	-34.955	1	1 BH
PITG_18195	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_18201	Pi avirulence-associated protein 3.	-33.7227	-32.5868	1	1 BH
PITG_18206	Pi conserved hypothetical protein (	-33.3283	-33.3755	1	1 BH
PITG_18276	Pi conserved hypothetical protein (	-32.8145	-34.4032	1	1 BH
PITG_18289	Pi ATP-binding Cassette (ABC) Sup	-33.9073	-32.2176	1	1 BH
PITG_18334	Pi alcohol dehydrogenase, putative	-50.0161	0	1	1 BH
PITG_18335	Pi glycoside hydrolase, putative (1	-50.0161	0	1	1 BH
PITG_18336	Pi glycoside hydrolase, putative (1	-34.459	-31.1142	1	1 BH
PITG_18356	Pi beta-glucan synthesis-associated	-33.9938	-32.0444	1	1 BH
PITG_18379	Pi conserved hypothetical protein (	-34.3408	-31.3505	1	1 BH
PITG_18381	Pi conserved hypothetical protein (	-33.8889	-32.2543	1	1 BH
PITG_18392	Pi T-complex protein 1 subunit bet	-13.1583	0.854523	1	1 BH
PITG_18396	Pi conserved hypothetical protein (	-14.289	-0.5156	1	1 BH
PITG_18397	Pi conserved hypothetical protein (	-32.5631	-34.9059	1	1 BH
PITG_18418	Pi conserved hypothetical protein (	-34.459	-31.1142	1	1 BH
PITG_18420	Pi protein kinase, putative (1415 nt)	-13.4176	-0.40562	1	1 BH
PITG_18423	Pi conserved hypothetical protein (	-33.267	-33.4981	1	1 BH
PITG_18445	Pi hypothetical protein (1604 nt)	-50.0161	0	1	1 BH
PITG_18449	Pi conserved hypothetical protein (	-34.7809	-30.4703	1	1 BH
PITG_18482	Pi polysaccharide lyase, putative (1	-33.267	-33.4981	1	1 BH
PITG_18489	Pi conserved hypothetical protein (	-33.7227	-32.5868	1	1 BH
PITG_18505	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_18545	Pi tetrahydrofolate dehydrogenase	-33.4706	-33.0909	1	1 BH
PITG_18583	Pi nonribosomal peptide synthetas	-33.9938	-32.0444	1	1 BH
PITG_18603	Pi conserved hypothetical protein (	-33.6188	-32.7945	1	1 BH
PITG_18614	Pi conserved hypothetical protein (	-33.1242	-33.7836	1	1 BH
PITG_18632	Pi ATPase (1497 nt)	-32.5391	-34.9538	1	1 BH
PITG_18678	Pi transmembrane protein, putativ	-50.0161	0	1	1 BH
PITG_18680	Pi cleavage induced conserved hyp	-50.0161	0	1	1 BH
PITG_18706	Pi acetyl-CoA carboxylase, putative	-13.9451	0.63194	1	1 BH
PITG_18709	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_18714	Pi intraflagellar Transport protein	-33.7227	-32.5868	1	1 BH
PITG_18717	Pi H/ACA ribonucleoprotein compl	-14.3107	-0.46723	1	1 BH
PITG_18719	Pi transmembrane protein, putativ	-33.2108	-33.6105	1	1 BH
PITG_18721	Pi conserved hypothetical protein (	-33.5302	-32.9718	1	1 BH
PITG_18731	Pi 26S proteasome non-ATPase reg	-13.2471	0.277503	1	1 BH
PITG_18748	Pi conserved hypothetical protein (	-33.9938	-32.0444	1	1 BH
PITG_18749	Pi conserved hypothetical protein (	-32.8458	-34.3406	1	1 BH
PITG_18756	Pi conserved hypothetical protein (	-32.5616	-34.9088	1	1 BH



PITG_18775	Pi conserved hypothetical protein (	-10.1663	-0.06333	1	1 BH
PITG_18801	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_18894	Pi vacuolar protein sorting-associat	-32.5385	-34.955	1	1 BH
PITG_18895	Pi conserved hypothetical protein (	-32.7847	-34.4627	1	1 BH
PITG_18913	Pi hypothetical protein (716 nt)	-34.0871	-31.858	1	1 BH
PITG_18920	Pi conserved hypothetical protein (	-34.7809	-30.4703	1	1 BH
PITG_18935	Pi dihydrolipoyl dehydrogenase 1,	-33.2108	-33.6105	1	1 BH
PITG_18947	Pi hypothetical protein (746 nt)	-13.5979	1.002017	1	1 BH
PITG_18963	Pi conserved hypothetical protein (	-32.7868	-34.4585	1	1 BH
PITG_18992	Pi acyltransferase family (1344 nt)	-50.0161	0	1	1 BH
PITG_19007	Pi conserved hypothetical protein (	-13.81	0.38848	1	1 BH
PITG_19040	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_19047	Pi hypothetical protein (1680 nt)	-32.8458	-34.3406	1	1 BH
PITG_19078	Pi conserved hypothetical protein (	-32.7604	-34.5114	1	1 BH
PITG_19087	Pi hypothetical protein (419 nt)	-33.9872	-32.0576	1	1 BH
PITG_19095	Pi conserved hypothetical protein (	-32.7588	-34.5144	1	1 BH
PITG_19103	Pi conserved hypothetical protein (	-34.459	-31.1142	1	1 BH
PITG_19117	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_19144	Pi conserved hypothetical protein (	-33.9938	-32.0444	1	1 BH
PITG_19154	Pi conserved hypothetical protein (	-34.459	-31.1142	1	1 BH
PITG_19163	Pi ATP-dependent RNA helicase, pu	-33.2108	-33.6105	1	1 BH
PITG_19179	Pi mitochondrial import receptor s	-14.2576	-0.59231	1	1 BH
PITG_19199	Pi arginine N-methyltransferase, pu	-14.4042	-0.29399	1	1 BH
PITG_19205	Pi conserved hypothetical protein (	-33.6527	-32.7266	1	1 BH
PITG_19219	Pi conserved hypothetical protein (	-33.6527	-32.7266	1	1 BH
PITG_19223	Pi conserved hypothetical protein (	-33.1592	-33.7138	1	1 BH
PITG_19249	Pi conserved hypothetical protein (	-33.9073	-32.2176	1	1 BH
PITG_19293	Pi hypothetical protein (339 nt)	-33.6188	-32.7945	1	1 BH
PITG_19294	Pi protein kinase (900 nt)	-50.0161	0	1	1 BH
PITG_19302	Pi secreted RxLR effector peptide,	-50.0161	0	1	1 BH
PITG_19363	Pi conserved hypothetical protein (	-33.9938	-32.0444	1	1 BH
PITG_19366	Pi polysaccharide lyase, putative (1	-32.7604	-34.5114	1	1 BH
PITG_19421	Pi hypothetical protein (264 nt)	-32.5616	-34.9088	1	1 BH
PITG_19432	Pi Amino Acid/Auxin Permease (AA	-33.1528	-33.7264	1	1 BH
PITG_19451	Pi cleavage induced conserved hyp	-50.0161	0	1	1 BH
PITG_19461	Pi conserved hypothetical protein (	-32.7588	-34.5144	1	1 BH
PITG_19473	Pi conserved hypothetical protein (	-33.6527	-32.7266	1	1 BH
PITG_19514	Pi conserved hypothetical protein (	-32.5616	-34.9088	1	1 BH
PITG_19531	Pi 50S ribosomal protein L25, puta	-13.9067	0.58188	1	1 BH
PITG_19533	Pi cleavage and polyadenylation sp	-33.267	-33.4981	1	1 BH
PITG_19547	Pi phosphatidylserine decarboxylas	-33.9073	-32.2176	1	1 BH
PITG_19602	Pi putative GPI-anchored serine-th	-34.3408	-31.3505	1	1 BH
PITG_19604	Pi elicitin-like protein (2043 nt)	-33.9073	-32.2176	1	1 BH
PITG_19609	Pi dynein-like protein (1863 nt)	-33.4509	-33.1303	1	1 BH
PITG_19622	Pi conserved hypothetical protein (	-32.5631	-34.9059	1	1 BH
PITG_19640	Pi transmembrane protein, putativ	-33.1592	-33.7138	1	1 BH
PITG_19641	Pi conserved hypothetical protein (	-33.9938	-32.0444	1	1 BH

PITG_19643	Pi conserved hypothetical protein (	-33.1528	-33.7264	1	1 BH
PITG_19648	Pi conserved hypothetical protein (	-34.7809	-30.4703	1	1 BH
PITG_19676	Pi conserved hypothetical protein (	-33.1528	-33.7264	1	1 BH
PITG_19692	Pi conserved hypothetical protein (	-33.1753	-33.6814	1	1 BH
PITG_19710	Pi conserved hypothetical protein (	-33.3955	-33.241	1	1 BH
PITG_19736	Pi alcohol dehydrogenase, putative	-33.2308	-33.5705	1	1 BH
PITG_19741	Pi conserved hypothetical protein (	-12.9301	0.420255	1	1 BH
PITG_19745	Pi conserved hypothetical protein (	-32.7847	-34.4627	1	1 BH
PITG_19763	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_19764	Pi conserved hypothetical protein (	-34.3408	-31.3505	1	1 BH
PITG_19780	Pi eukaryotic translation initiation	-14.2059	-0.74462	1	1 BH
PITG_19790	Pi patatin-like phospholipase, puta	-32.8458	-34.3406	1	1 BH
PITG_19809	Pi conserved hypothetical protein (	-32.8458	-34.3406	1	1 BH
PITG_19814	Pi conserved hypothetical protein (	-11.7397	0.345475	1	1 BH
PITG_19815	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_19862	Pi conserved hypothetical protein (	-33.8221	-32.388	1	1 BH
PITG_19868	Pi tRNA-dihydrouridine synthase, p	-33.4509	-33.1303	1	1 BH
PITG_19869	Pi serine/threonine protein kinase	-34.1864	-31.6594	1	1 BH
PITG_19879	Pi conserved hypothetical protein (	-33.5194	-32.9934	1	1 BH
PITG_19930	Pi conserved hypothetical protein (	-33.9073	-32.2176	1	1 BH
PITG_19967	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_19972	Pi conserved hypothetical protein (	-33.9938	-32.0444	1	1 BH
PITG_19984	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_19995	Pi conserved hypothetical protein (	-33.1528	-33.7264	1	1 BH
PITG_19997	Pi transmembrane protein, putativ	-33.7227	-32.5868	1	1 BH
PITG_19999	Pi 40S ribosomal protein S14 (80S	-8.60656	-0.11465	1	1 BH
PITG_20009	Pi conserved hypothetical protein (	-32.5601	-34.9119	1	1 BH
PITG_20026	Pi conserved hypothetical protein (	-33.8446	-32.3428	1	1 BH
PITG_20053	Pi conserved hypothetical protein (	-33.8446	-32.3428	1	1 BH
PITG_20061	Pi conserved hypothetical protein (	-33.1592	-33.7138	1	1 BH
PITG_20066	Pi maltose O-acetyltransferase, pu	-50.0161	0	1	1 BH
PITG_20094	Pi hypothetical protein (2087 nt)	-50.0161	0	1	1 BH
PITG_20103	Pi mitogen-activated protein kinase	-33.2108	-33.6105	1	1 BH
PITG_20110	Pi conserved hypothetical protein (	-33.2108	-33.6105	1	1 BH
PITG_20146	Pi Drug/Metabolite Transporter (D	-14.7833	0.472983	1	1 BH
PITG_20148	Pi conserved hypothetical protein (	-33.8446	-32.3428	1	1 BH
PITG_20153	Pi Voltage-gated Ion Channel (VIC)	-33.6194	-32.7933	1	1 BH
PITG_20157	Pi Axonemal Inner Arm I1 Interme	-34.1864	-31.6594	1	1 BH
PITG_20159	Pi Voltage-gated Ion Channel (VIC)	-33.1528	-33.7264	1	1 BH
PITG_20160	Pi conserved hypothetical protein (	-33.1528	-33.7264	1	1 BH
PITG_20189	Pi 60S ribosomal protein L14, puta	-9.19097	-0.18195	1	1 BH
PITG_20199	Pi Crinkler (CRN) family protein, ps	-34.7809	-30.4703	1	1 BH
PITG_20203	Pi Hect-domain containing peotein	-32.5616	-34.9088	1	1 BH
PITG_20204	Pi conserved hypothetical protein (	-33.1528	-33.7264	1	1 BH
PITG_20211	Pi phosphatidylinositol N-acetylglu	-33.267	-33.4981	1	1 BH
PITG_20221	Pi sporangia induced phosphatidyl	-33.6194	-32.7933	1	1 BH
PITG_20230	Pi Amino Acid/Auxin Permease (AA	-50.0161	0	1	1 BH

PITG_20239	Pi ATP-binding Cassette (ABC) Superfamily	-33.1528	-33.7264	1	1	BH
PITG_20265	Pi conserved hypothetical protein (100 aa)	-33.2108	-33.6105	1	1	BH
PITG_20286	Pi conserved hypothetical protein (100 aa)	-33.8446	-32.3428	1	1	BH
PITG_20289	Pi carbohydrate-binding protein, putative	-32.5391	-34.9538	1	1	BH
PITG_20295	Pi conserved hypothetical protein (100 aa)	-33.9938	-32.0444	1	1	BH
PITG_20332	Pi conserved hypothetical protein (100 aa)	-34.459	-31.1142	1	1	BH
PITG_20333	Pi conserved hypothetical protein (100 aa)	-33.1528	-33.7264	1	1	BH
PITG_20344	Pi conserved hypothetical protein (100 aa)	-15.2163	1.331587	1	1	BH
PITG_20347	Pi Drug/Metabolite Transporter (DUF1237)	-14.9686	0.841141	1	1	BH
PITG_20377	Pi tRNA pseudouridine synthase (100 aa)	-33.4706	-33.0909	1	1	BH
PITG_20379	Pi conserved hypothetical protein (100 aa)	-33.5851	-32.862	1	1	BH
PITG_20458	Pi conserved hypothetical protein (100 aa)	-34.7809	-30.4703	1	1	BH
PITG_20464	Pi conserved hypothetical protein (100 aa)	-50.0161	0	1	1	BH
PITG_20506	Pi conserved hypothetical protein (100 aa)	-33.267	-33.4981	1	1	BH
PITG_20518	Pi sporangia induced hypothetical protein (100 aa)	-50.0161	0	1	1	BH
PITG_20526	Pi conserved hypothetical protein (100 aa)	-33.8446	-32.3428	1	1	BH
PITG_20527	Pi DNA polymerase delta catalytic subunit (100 aa)	-33.1592	-33.7138	1	1	BH
PITG_20548	Pi conserved hypothetical protein (100 aa)	-32.5607	-34.9107	1	1	BH
PITG_20563	Pi conserved hypothetical protein (100 aa)	-33.2308	-33.5705	1	1	BH
PITG_20585	Pi AhpC/TSA family Redoxin, putative	-13.6986	0.152513	1	1	BH
PITG_20593	Pi conserved hypothetical protein (100 aa)	-33.0495	-33.9331	1	1	BH
PITG_20600	Pi protein kinase (441 nt)	-34.459	-31.1142	1	1	BH
PITG_20604	Pi conserved hypothetical protein (100 aa)	-33.5851	-32.862	1	1	BH
PITG_20617	Pi conserved hypothetical protein (100 aa)	-33.5302	-32.9718	1	1	BH
PITG_20623	Pi conserved hypothetical protein (100 aa)	-33.2308	-33.5705	1	1	BH
PITG_20628	Pi conserved hypothetical protein (100 aa)	-34.459	-31.1142	1	1	BH
PITG_20630	Pi Cation Diffusion Facilitator (CDF) family	-32.7868	-34.4585	1	1	BH
PITG_20631	Pi conserved hypothetical protein (100 aa)	-34.459	-31.1142	1	1	BH
PITG_20632	Pi hypothetical protein (912 nt)	-33.2308	-33.5705	1	1	BH
PITG_20672	Pi methyltransferase domain-containing protein (100 aa)	-32.7588	-34.5144	1	1	BH
PITG_20689	Pi eukaryotic translation initiation factor 4E (eIF4E)	-13.5121	0.848519	1	1	BH
PITG_20716	Pi conserved hypothetical protein (100 aa)	-50.0161	0	1	1	BH
PITG_20739	Pi hypothetical protein (558 nt)	-50.0161	0	1	1	BH
PITG_20741	Pi hypothetical protein (623 nt)	-50.0161	0	1	1	BH
PITG_20744	Pi conserved hypothetical protein (100 aa)	-33.8889	-32.2543	1	1	BH
PITG_20749	Pi sporangia induced conserved hypothetical protein (100 aa)	-34.7809	-30.4703	1	1	BH
PITG_20770	Pi protein kinase (747 nt)	-33.1528	-33.7264	1	1	BH
PITG_20791	Pi ADP-ribosylation factor family (ARF)	-33.5194	-32.9934	1	1	BH
PITG_20809	Pi conserved hypothetical protein (100 aa)	-33.267	-33.4981	1	1	BH
PITG_20820	Pi conserved hypothetical protein (100 aa)	-32.7847	-34.4627	1	1	BH
PITG_20831	Pi conserved hypothetical protein (100 aa)	-32.8145	-34.4032	1	1	BH
PITG_20842	Pi conserved hypothetical protein (100 aa)	-33.9938	-32.0444	1	1	BH
PITG_20849	Pi alcohol dehydrogenase, putative	-33.3955	-33.241	1	1	BH
PITG_20854	Pi conserved hypothetical protein (100 aa)	-33.4509	-33.1303	1	1	BH
PITG_20895	Pi beta-glucan synthesis-associated protein (100 aa)	-33.267	-33.4981	1	1	BH
PITG_20902	Pi outer dynein arm-docking complex (100 aa)	-50.0161	0	1	1	BH
PITG_20907	Pi cobalamin synthesis protein, putative	-32.5616	-34.9088	1	1	BH

PITG_20917	Pi sulfatase-like protein (939 nt)	-50.0161	0	1	1 BH
PITG_20947	Pi conserved hypothetical protein (	-33.6561	-32.7199	1	1 BH
PITG_20985	Pi fibronectin type III domain-conta	-33.8446	-32.3428	1	1 BH
PITG_20987	Pi conserved hypothetical protein (	-34.0871	-31.858	1	1 BH
PITG_21013	Pi kinesin-associated protein, puta	-33.7227	-32.5868	1	1 BH
PITG_21017	Pi hydrocephalus-inducing protein,	-33.8446	-32.3428	1	1 BH
PITG_21022	Pi P-type ATPase (P-ATPase) Super	-33.4509	-33.1303	1	1 BH
PITG_21027	Pi conserved hypothetical protein (	-12.2808	0.134652	1	1 BH
PITG_21033	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_21041	Pi conserved hypothetical protein (	-33.8446	-32.3428	1	1 BH
PITG_21065	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_21067	Pi conserved hypothetical protein (	-32.8458	-34.3406	1	1 BH
PITG_21071	Pi threonyl-tRNA synthetase (2235	-13.3416	0.487104	1	1 BH
PITG_21141	Pi ATP-binding Cassette (ABC) supe	-34.1864	-31.6594	1	1 BH
PITG_21154	Pi conserved hypothetical protein (	-33.1528	-33.7264	1	1 BH
PITG_21163	Pi GAF domain-containing protein (	-33.8446	-32.3428	1	1 BH
PITG_21166	Pi conserved hypothetical protein (	-33.5302	-32.9718	1	1 BH
PITG_21202	Pi conserved hypothetical protein (	-33.9872	-32.0576	1	1 BH
PITG_21208	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_21220	Pi Rab28 family GTPase, putative (:	-33.5194	-32.9934	1	1 BH
PITG_21238	Pi secreted RxLR effector peptide,	-17.1998	5.293305	1	1 BH
PITG_21258	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_21280	Pi conserved hypothetical protein (	-15.1133	1.124308	1	1 BH
PITG_21284	Pi leukotriene A-4 hydrolase, putat	-33.1528	-33.7264	1	1 BH
PITG_21285	Pi hypothetical protein (794 nt)	-34.7809	-30.4703	1	1 BH
PITG_21295	Pi 12-oxophytodienoate reductase	-33.1592	-33.7138	1	1 BH
PITG_21302	Pi conserved hypothetical protein (	-34.3408	-31.3505	1	1 BH
PITG_21309	Pi histone deacetylase, putative (1	-33.1321	-33.7679	1	1 BH
PITG_21352	Pi conserved hypothetical protein (	-34.3408	-31.3505	1	1 BH
PITG_21393	Pi eukaryotic translation initiation	-13.8134	1.416998	1	1 BH
PITG_21409	Pi hypothetical protein (1891 nt)	-33.267	-33.4981	1	1 BH
PITG_21442	Pi EF hand containing protein, puta	-33.9938	-32.0444	1	1 BH
PITG_21451	Pi conserved hypothetical protein (	-33.9938	-32.0444	1	1 BH
PITG_21466	Pi conserved hypothetical protein (	-33.1592	-33.7138	1	1 BH
PITG_21518	Pi conserved hypothetical protein (	-32.7937	-34.4448	1	1 BH
PITG_21535	Pi conserved hypothetical protein (	-34.459	-31.1142	1	1 BH
PITG_21536	Pi HECT ubiquitin ligase, putative (:	-33.6188	-32.7945	1	1 BH
PITG_21582	Pi tetrahydrofolate dehydrogenase	-14.6266	1.979314	1	1 BH
PITG_21584	Pi hypothetical protein (2912 nt)	-50.0161	0	1	1 BH
PITG_21590	Pi conserved hypothetical protein (	-34.3408	-31.3505	1	1 BH
PITG_21591	Pi conserved hypothetical protein (	-33.6194	-32.7933	1	1 BH
PITG_21593	Pi conserved hypothetical protein (	-32.8458	-34.3406	1	1 BH
PITG_21620	Pi fumarylacetoacetate (FAA) hydr	-14.5832	0.075286	1	1 BH
PITG_21661	Pi eukaryotic initiation factor 4E, p	-14.2906	-0.51483	1	1 BH
PITG_21665	Pi conserved hypothetical protein (	-33.267	-33.4981	1	1 BH
PITG_21667	Pi conserved hypothetical protein (	-34.7809	-30.4703	1	1 BH
PITG_21724	Pi conserved hypothetical protein (	-33.1528	-33.7264	1	1 BH

PITG_21762	Pi conserved hypothetical protein (	-34.459	-31.1142	1	1 BH
PITG_21763	Pi conserved hypothetical protein (	-33.6527	-32.7266	1	1 BH
PITG_21764	Pi caltractin (690 nt)	-33.1321	-33.7679	1	1 BH
PITG_21781	Pi conserved hypothetical protein (	-34.459	-31.1142	1	1 BH
PITG_21794	Pi conserved hypothetical protein (	-33.9872	-32.0576	1	1 BH
PITG_21811	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_21841	Pi transmembrane protein, putativ	-32.5601	-34.9119	1	1 BH
PITG_21852	Pi diphthamide biosynthesis protei	-33.2108	-33.6105	1	1 BH
PITG_21876	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_21888	Pi hypothetical protein (942 nt)	-33.9872	-32.0576	1	1 BH
PITG_21889	Pi conserved hypothetical protein (	-33.2108	-33.6105	1	1 BH
PITG_21923	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_21937	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_21939	Pi conserved hypothetical protein (	-32.7604	-34.5114	1	1 BH
PITG_21945	Pi NmrA-like family protein, putati	-50.0161	0	1	1 BH
PITG_21961	Pi conserved hypothetical protein (	-33.8221	-32.388	1	1 BH
PITG_22020	Pi eukaryotic initiation factor 4E, p	-13.4425	0.6957	1	1 BH
PITG_22022	Pi cysteine protease family C01A, p	-50.0161	0	1	1 BH
PITG_22037	Pi hypothetical protein (988 nt)	-33.5465	-32.9391	1	1 BH
PITG_22056	Pi conserved hypothetical protein (	-32.8145	-34.4032	1	1 BH
PITG_22057	Pi conserved hypothetical protein (	-32.8458	-34.3406	1	1 BH
PITG_22091	Pi potential noncoding RNA (521 nt)	-50.0161	0	1	1 BH
PITG_22095	Pi beta-glucosidase, putative (190C	-33.7227	-32.5868	1	1 BH
PITG_22112	Pi conserved hypothetical protein (	-33.7378	-32.5565	1	1 BH
PITG_22113	Pi conserved hypothetical protein (	-33.1943	-33.6435	1	1 BH
PITG_22129	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_22134	Pi ATP-binding Cassette (ABC) Sup	-33.267	-33.4981	1	1 BH
PITG_22150	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_22203	Pi conserved hypothetical protein (	-33.1753	-33.6814	1	1 BH
PITG_22247	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_22333	Pi CTD small phosphatase-like prot	-33.7378	-32.5565	1	1 BH
PITG_22432	Pi Zinc (Zn <sup>2+</sup> )-Iron (Fe <sup>2+</sup> ) Permease	-34.459	-31.1142	1	1 BH
PITG_22458	Pi conserved hypothetical protein (	-33.4509	-33.1303	1	1 BH
PITG_22491	Pi conserved hypothetical protein (	-32.5607	-34.9107	1	1 BH
PITG_22517	Pi dynein heavy chain (1942 nt)	-34.7809	-30.4703	1	1 BH
PITG_22544	Pi conserved hypothetical protein (	-34.459	-31.1142	1	1 BH
PITG_22629	Pi conserved hypothetical protein (	-34.1864	-31.6594	1	1 BH
PITG_22639	Pi conserved hypothetical protein (	-33.9938	-32.0444	1	1 BH
PITG_22658	Pi Annexin (Annexin) Family (594 n	-10.5004	0.479628	1	1 BH
PITG_22667	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_22668	Pi NPP1-like protein (1560 nt)	-33.3955	-33.241	1	1 BH
PITG_22672	Pi conserved hypothetical protein (	-33.1242	-33.7836	1	1 BH
PITG_22686	Pi protein kinase (8109 nt)	-50.0161	0	1	1 BH
PITG_22715	Pi serine/threonine protein kinase	-33.1592	-33.7138	1	1 BH
PITG_22795	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_22817	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_22831	Pi Crinkler (CRN) family protein (14	-33.1242	-33.7836	1	1 BH

PITG_22846	Pi elicitin-like protein (375 nt)	-50.0161	0	1	1 BH
PITG_22861	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_22862	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_22878	Pi zonadhesin-like protein (1343 nt	-33.9073	-32.2176	1	1 BH
PITG_22944	Pi secreted peptide, putative, 3' pa	-50.0161	0	1	1 BH
PITG_22946	Pi acyl-protein thioesterase, putati	-13.4101	-0.40926	1	1 BH
PITG_22947	Pi acyl-protein thioesterase, putati	-34.7809	-30.4703	1	1 BH
PITG_22957	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_22982	Pi conserved hypothetical protein (	-33.2108	-33.6105	1	1 BH
PITG_22997	Pi conserved hypothetical protein (	-33.267	-33.4981	1	1 BH
PITG_23034	Pi Regulator of G protein signaling	-50.0161	0	1	1 BH
PITG_23058	Pi conserved hypothetical protein (	-50.0161	0	1	1 BH
PITG_23065	Pi general transcription factor IIH s	-32.7868	-34.4585	1	1 BH
PITG_23066	Pi phosphatidylinositol 4-phosphat	-33.2308	-33.5705	1	1 BH
PITG_23109	Pi protein kinase, putative (1847 ni	-32.8276	-34.3769	1	1 BH
PITG_23149	Pi conserved hypothetical protein (	-33.3283	-33.3755	1	1 BH
PITG_23170	Pi conserved hypothetical protein (	-33.3757	-33.2808	1	1 BH
PITG_23198	Pi Crinkler (CRN) family protein, ps	-50.0161	0	1	1 BH
PITG_23307	Pi hypothetical cleavage-induced tr	-34.2191	-31.5939	1	1 BH
PITG_23316	Pi cleavage induced predicted prot	-50.0161	0	1	1 BH
PITG_23320	Pi hypothetical cleavage induced p	-32.7868	-34.4585	1	1 BH
PITG_00513	Pi myb-like DNA-binding protein, p	-32.6783	-34.6755	1	1 BH
PITG_00695	Pi importin, putative (3310 nt)	-14.2066	1.176026	1	1 BH
PITG_01352	Pi conserved hypothetical protein (	-32.6308	-34.7706	1	1 BH
PITG_01913	Pi dihydroorotate dehydrogenase,	-14.8256	0.556466	1	1 BH
PITG_02047	Pi conserved hypothetical protein (	-14.8702	0.645561	1	1 BH
PITG_02328	Pi conserved hypothetical protein (	-14.5991	0.103301	1	1 BH
PITG_04248	Pi NPP1-like protein (760 nt)	-32.6783	-34.6755	1	1 BH
PITG_05006	Pi U1 small nuclear ribonucleoprot	-14.3443	-0.40881	1	1 BH
PITG_05534	Pi nucleolar protein Nop56 (1854 r	-14.8936	0.692386	1	1 BH
PITG_06989	Pi acyltransferase family (1139 nt)	-32.6308	-34.7706	1	1 BH
PITG_08794	Pi hypothetical protein (739 nt)	-32.6308	-34.7706	1	1 BH
PITG_13749	Pi 2,3-bisphosphoglycerate-depend	-14.8942	0.696135	1	1 BH
PITG_14436	Pi conserved hypothetical protein (	-32.6308	-34.7706	1	1 BH
PITG_16111	Pi conserved hypothetical protein (	-32.6308	-34.7706	1	1 BH
PITG_17156	Pi conserved hypothetical protein (	-14.5442	-0.00648	1	1 BH
PITG_20254	Pi large conductance mechanosens	-32.6308	-34.7706	1	1 BH
PITG_21047	Pi conserved hypothetical protein (	-32.6308	-34.7706	1	1 BH
PITG_21522	Pi conserved hypothetical protein (	-32.6308	-34.7706	1	1 BH
PITG_21648	Pi RXLR effector family, putative (1	-32.6783	-34.6755	1	1 BH
PITG_21894	Pi conserved hypothetical protein (	-32.6308	-34.7706	1	1 BH
PITG_23201	Pi conserved hypothetical protein (	-32.6308	-34.7706	1	1 BH

he list of PITG genes with logFC (fold-change), p-value, false discovery rate (FDR), and normalized cou

P18 - Rep1	P18 - Rep2	T3 - Rep1	T3 - Rep2	P18 - mean	
	2	5	122	240	3.5
	3	8	110	189	5.5
	0	0	45	101	0
	17	34	107	194	25.5
	14	24	53	115	19
	8	17	34	50	12.5
	12	48	50	96	30
	15	38	41	61	26.5
	56	98	77	168	77
	1	0	8	16	0.5
	16	19	166	5	17.5
	25	150	69	128	87.5
3212	695	0	0	0	1953.5
	13	7	19	22	10
	113	534	254	138	323.5
	6	3	7	26	4.5
	11	87	35	45	49
1269	755	0	0	0	1012
	178	176	126	186	177
2413	486	0	0	0	1449.5
1785	535	0	0	0	1160
2645	465	0	0	0	1555
	347	1519	0	0	933
	12	15	8	22	13.5
1231	479	0	0	0	855
1105	572	0	0	0	838.5
	184	3098	0	0	1641
	1	27	8	21	14
2748	286	0	0	0	1517
1219	1768	2	0	0	1493.5
	157	2669	0	0	1413
	177	241	89	131	209
	6	63	14	37	34.5
	569	584	0	0	576.5
6190	85	0	0	0	3137.5
	600	1199	1	0	899.5
	5	38	8	20	21.5
	659	488	0	0	573.5
	85	627	147	128	356
	41	111	33	26	76
1069	288	0	0	0	678.5
	149	1758	0	0	953.5
	173	1296	0	0	734.5
	6	44	8	24	25
	197	129	75	130	163

51	358	82	67	204.5
74	528	103	122	301
644	427	0	0	535.5
6	13	4	11	9.5
214	1118	0	0	666
221	1032	0	0	626.5
382	405	0	0	393.5
490	455	0	0	472.5
41	477	88	129	259
990	210	0	0	600
274	467	0	0	370.5
2	0	48	0	1
1075	195	0	0	635
0	0	50	0	0
2	0	45	0	1
1208	170	0	0	689
1	15	4	6	8
358	351	0	0	354.5
1053	115	0	0	584
2	0	38	0	1
591	240	0	0	415.5
653	223	0	0	438
81	1889	0	0	985
4	9	75	0	6.5
490	248	0	0	369
238	189	95	61	213.5
1845	52	0	0	948.5
268	353	0	0	310.5
263	370	0	0	316.5
307	323	0	0	315
212	435	0	0	323.5
136	725	0	0	430.5
195	465	0	0	330
459	829	309	65	644
70	1757	0	0	913.5
82	1447	0	0	764.5
242	357	0	0	299.5
7	3	72	0	5
2	0	26	0	1
165	509	0	0	337
0	0	27	0	0
210	371	0	0	290.5
567	178	0	0	372.5
0	0	25	0	0
199	384	0	0	291.5
0	5	23	0	2.5
656	101	0	0	378.5



769	1375	3	0	1072
8	0	139	0	4
410	526	1	0	468
78	1039	0	0	558.5
0	0	20	0	0
305	236	0	0	270.5
1	13	46	0	7
47	96	12	27	71.5
399	1020	2	0	709.5
482	108	0	0	295
583	135	0	0	359
619	85	0	0	352
225	148	67	52	186.5
638	82	0	0	360
10	8	101	0	9
218	850	1	0	534
196	288	63	47	242
0	2	17	0	1
42	1126	0	0	584
246	468	85	60	357
59	746	0	0	402.5
70	951	0	0	510.5
382	114	0	0	248
919	171	1	0	545
422	156	0	0	289
290	554	1	0	422
12	29	2	14	20.5
49	851	0	0	450
180	300	0	0	240
432	97	0	0	264.5
565	1144	3	0	854.5
370	111	0	0	240.5
6	3	35	0	4.5
53	727	0	0	390
92	595	0	0	343.5
7	4	54	0	5.5
137	368	0	0	252.5
10	102	9	16	56
7	3	31	0	5
76	702	0	0	389
121	405	0	0	263
1	0	13	0	0.5
168	195	0	0	181.5
60	574	0	0	317
136	344	0	0	240
72	455	0	0	263.5
144	215	0	0	179.5

75	422	0	0	248.5
61	529	0	0	295
46	693	0	0	369.5
102	441	0	0	271.5
121	373	0	0	247
102	671	74	59	386.5
110	267	0	0	188.5
120	241	0	0	180.5
120	242	0	0	181
122	359	0	0	240.5
312	153	0	0	232.5
79	602	0	0	340.5
40	19	4	21	29.5
63	485	0	0	274
14	1631	0	0	822.5
69	428	0	0	248.5
173	246	0	0	209.5
80	367	0	0	223.5
449	236	1	0	342.5
0	0	12	0	0
190	223	0	0	206.5
281	104	0	0	192.5
72	603	0	0	337.5
105	256	0	0	180.5
30	136	17	13	83
318	87	0	0	202.5
0	0	11	0	0
254	1796	3	0	1025
50	529	0	0	289.5
54	489	0	0	271.5
138	188	0	0	163
98	409	0	0	253.5
196	135	0	0	165.5
140	184	0	0	162
88	284	0	0	186
152	171	0	0	161.5
80	487	51	39	283.5
104	241	0	0	172.5
107	237	0	0	172
161	162	0	0	161.5
21	1034	0	0	527.5
516	40	0	0	278
51	498	0	0	274.5
59	432	0	0	245.5
160	224	0	0	192
288	84	0	0	186
0	0	10	0	0

0	0	10	0	0
142	172	0	0	157
117	4	449	2	60.5
144	189	14	57	166.5
60	396	0	0	228
239	100	0	0	169.5
26	826	0	0	426
140	255	0	0	197.5
242	882	2	0	562
99	354	0	0	226.5
308	687	2	0	497.5
260	307	1	0	283.5
5	0	21	0	2.5
58	408	0	0	233
338	297	1	0	317.5
0	3	9	0	1.5
2	0	9	0	1
103	324	0	0	213.5
1	0	9	0	0.5
1	0	9	0	0.5
76	297	0	0	186.5
75	291	0	0	183
1067	1107	167	228	1087
88	250	0	0	169
104	207	0	0	155.5
63	353	0	0	208
216	103	0	0	159.5
0	0	9	0	0
138	161	0	0	149.5
128	168	0	0	148
19	912	0	0	465.5
150	141	0	0	145.5
41	488	0	0	264.5
83	252	0	0	167.5
141	492	1	0	316.5
56	359	0	0	207.5
57	342	0	0	199.5
61	329	0	0	195
867	370	3	0	618.5
336	516	2	0	426
263	654	2	0	458.5
50	380	0	0	215
18	813	0	0	415.5
105	629	1	0	367
46	403	0	0	224.5
157	122	0	0	139.5
112	169	0	0	140.5

73	250	0	0	161.5
37	467	0	0	252
79	222	0	0	150.5
12	0	31	0	6
4	47	4	6	25.5
187	96	0	0	141.5
2207	1830	11	0	2018.5
53	327	0	0	190
184	310	1	0	247
41	394	0	0	217.5
2	2	7	0	2
163	99	0	0	131
78	205	0	0	141.5
99	168	0	0	133.5
85	190	0	0	137.5
79	204	0	0	141.5
86	190	0	0	138
0	4	7	0	2
29	24	4	8	26.5
176	89	0	0	132.5
72	221	0	0	146.5
0	1	7	0	0.5
156	99	0	0	127.5
26	523	0	0	274.5
195	282	1	0	238.5
81	189	0	0	135
128	120	0	0	124
34	0	136	0	17
100	153	0	0	126.5
73	207	0	0	140
124	124	0	0	124
162	833	2	0	497.5
163	318	1	0	240.5
33	4	98	0	18.5
79	184	0	0	131.5
87	173	0	0	130
96	154	0	0	125
71	200	0	0	135.5
44	319	0	0	181.5
21	528	0	0	274.5
263	17	0	0	140
161	84	0	0	122.5
180	71	0	0	125.5
62	224	0	0	143
81	169	0	0	125
53	1528	2	0	790.5
227	22	0	0	124.5

131	101	0	0	116
66	202	0	0	134
92	154	0	0	123
69	203	0	0	136
0	3	6	0	1.5
4	0	12	0	2
32	386	0	0	209
79	574	1	0	326.5
97	141	0	0	119
64	207	0	0	135.5
29	394	0	0	211.5
251	39	0	0	145
25	450	0	0	237.5
11	694	0	0	352.5
55	235	0	0	145
111	118	0	0	114.5
14	2	30	0	8
150	81	0	0	115.5
129	101	0	0	115
9	0	20	0	4.5
76	175	0	0	125.5
39	312	0	0	175.5
133	49	0	0	91
58	228	0	0	143
43	282	0	0	162.5
87	146	0	0	116.5
172	67	0	0	119.5
889	812	139	105	850.5
160	36	0	0	98
61	207	0	0	134
39	306	0	0	172.5
18	503	0	0	260.5
107	115	0	0	111
117	57	0	0	87
131	693	2	0	412
28	381	0	0	204.5
78	160	0	0	119
10	661	0	0	335.5
39	295	0	0	167
40	297	0	0	168.5
25	262	0	0	143.5
25	259	0	0	142
57	126	0	0	91.5
42	170	0	0	106
0	0	0	3	0
65	189	0	0	127
84	143	0	0	113.5

121	54	0	0	87.5
163	65	0	0	114
32	216	0	0	124
62	194	0	0	128
67	105	0	0	86
100	67	0	0	83.5
108	61	0	0	84.5
25	251	0	0	138
127	46	0	0	86.5
8	464	0	0	236
83	83	0	0	83
130	85	0	0	107.5
19	453	0	0	236
220	39	0	0	129.5
72	164	0	0	118
66	178	0	0	122
80	148	0	0	114
65	175	0	0	120
70	164	0	0	117
20	277	0	0	148.5
55	213	0	0	134
111	357	1	0	234
72	91	0	0	81.5
13	359	0	0	186
15	335	0	0	175
150	33	0	0	91.5
10	614	0	0	312
35	182	0	0	108.5
238	12	0	0	125
102	62	0	0	82
63	116	3	22	89.5
83	142	0	0	112.5
34	185	0	0	109.5
54	120	0	0	87
123	114	10	24	118.5
112	345	23	25	228.5
26	369	0	0	197.5
118	91	0	0	104.5
57	192	0	0	124.5
87	132	0	0	109.5
169	25	0	0	97
100	112	0	0	106
39	165	0	0	102
77	85	0	0	81
51	136	0	0	93.5
48	136	0	0	92
378	82	1	0	230

2	25	15	0	13.5
35	295	0	0	165
26	225	0	0	125.5
17	296	0	0	156.5
15	0	26	0	7.5
63	101	0	0	82
65	102	0	0	83.5
46	142	0	0	94
43	243	0	0	143
93	398	1	0	245.5
96	391	1	0	243.5
34	300	0	0	167
8	23	18	0	15.5
28	207	0	0	117.5
0	5	5	0	2.5
54	200	0	0	127
38	265	0	0	151.5
79	77	0	0	78
78	143	0	0	110.5
76	146	0	0	111
14	322	0	0	168
123	41	0	0	82
163	55	0	0	109
145	254	1	0	199.5
35	286	0	0	160.5
79	140	0	0	109.5
89	65	0	0	77
5	485	0	0	245
30	317	0	0	173.5
43	1270	2	0	656.5
192	16	0	0	104
197	183	1	0	190
127	1185	3	0	656
188	42	0	0	115
91	63	0	0	77
29	201	0	0	115
23	233	0	0	128
55	117	0	0	86
98	375	1	0	236.5
340	422	104	19	381
136	271	1	0	203.5
186	43	0	0	114.5
106	49	0	0	77.5
10	545	0	0	277.5
52	116	0	0	84
47	129	0	0	88
59	107	0	0	83

57	109	0	0	83
119	40	0	0	79.5
14	301	0	0	157.5
102	102	0	0	102
76	81	0	0	78.5
74	78	0	0	76
53	198	0	0	125.5
113	90	0	0	101.5
135	555	2	0	345
17	281	0	0	149
73	141	0	0	107
72	147	0	0	109.5
60	99	0	0	79.5
148	60	0	0	104
10	355	0	0	182.5
388	304	43	49	346
41	6	76	0	23.5
186	40	0	0	113
42	140	0	0	91
23	221	0	0	122
35	767	1	0	401
105	95	0	0	100
47	206	0	0	126.5
6	422	0	0	214
128	33	0	0	80.5
81	121	0	0	101
81	124	0	0	102.5
67	87	0	0	77
39	149	0	0	94
0	783	0	0	391.5
35	267	0	0	151
41	229	0	0	135
107	89	0	0	98
105	89	0	0	97
18	63	11	2	40.5
15	285	0	0	150
20	241	0	0	130.5
70	84	0	0	77
67	83	0	0	75
193	35	0	0	114
16	273	0	0	144.5
112	304	1	0	208
159	51	0	0	105
0	0	5	0	0
0	8	9	0	4
2	568	0	0	285
66	145	0	0	105.5



132	65	0	0	98.5
49	117	0	0	83
71	75	0	0	73
29	178	0	0	103.5
60	92	0	0	76
113	39	0	0	76
47	200	0	0	123.5
166	43	0	0	104.5
24	196	0	0	110
444	1072	6	0	758
7	373	0	0	190
52	174	0	0	113
61	89	0	0	75
62	87	0	0	74.5
135	60	0	0	97.5
174	39	0	0	106.5
81	111	0	0	96
39	139	0	0	89
35	249	0	0	142
97	95	0	0	96
130	27	0	0	78.5
108	41	0	0	74.5
23	206	0	0	114.5
0	34	21	0	17
42	211	0	0	126.5
18	129	9	7	73.5
181	33	0	0	107
59	150	0	0	104.5
67	74	0	0	70.5
48	190	0	0	119
32	249	0	0	140.5
121	64	0	0	92.5
99	89	0	0	94
74	123	0	0	98.5
81	62	0	0	71.5
35	240	0	0	137.5
49	105	0	0	77
44	113	0	0	78.5
53	101	0	0	77
53	100	0	0	76.5
39	217	0	0	128
100	84	0	0	92
24	195	0	0	109.5
88	52	0	0	70
89	53	0	0	71
4	416	0	0	210
89	94	0	0	91.5

1	9	8	0	5
21	313	0	0	167
95	43	0	0	69
96	44	0	0	70
122	28	0	0	75
81	58	0	0	69.5
951	196	5	0	573.5
38	131	0	0	84.5
60	86	0	0	73
22	195	0	0	108.5
101	78	0	0	89.5
72	64	0	0	68
40	208	0	0	124
13	254	0	0	133.5
21	195	0	0	108
9	309	0	0	159
25	275	0	0	150
35	227	0	0	131
67	126	0	0	96.5
67	126	0	0	96.5
9	292	0	0	150.5
76	61	0	0	68.5
28	167	0	0	97.5
53	158	0	0	105.5
6	343	0	0	174.5
6	342	0	0	174
114	505	2	0	309.5
26	262	0	0	144
26	163	0	0	94.5
86	51	0	0	68.5
67	71	0	0	69
142	17	0	0	79.5
7	320	0	0	163.5
22	184	0	0	103
85	48	0	0	66.5
87	48	0	0	67.5
137	19	0	0	78
43	115	0	0	79
41	112	0	0	76.5
28	254	0	0	141
122	239	9	25	180.5
99	36	0	0	67.5
79	56	0	0	67.5
109	32	0	0	70.5
53	87	0	0	70
53	85	0	0	69
53	86	0	0	69.5

29	148	0	0	88.5
3	11	7	0	7
2	444	0	0	223
118	24	0	0	71
24	173	0	0	98.5
24	172	0	0	98
20	187	0	0	103.5
21	192	0	0	106.5
57	83	0	0	70
109	30	0	0	69.5
69	61	0	0	65
91	80	0	0	85.5
211	83	1	0	147
103	72	0	0	87.5
15	223	0	0	119
88	43	0	0	65.5
35	127	0	0	81
59	79	0	0	69
42	181	0	0	111.5
2	439	0	0	220.5
52	153	0	0	102.5
68	116	0	0	92
7	302	0	0	154.5
49	366	1	0	207.5
14	224	0	0	119
50	157	0	0	103.5
72	108	0	0	90
220	70	1	0	145
62	68	0	0	65
31	140	0	0	85.5
30	136	0	0	83
120	213	1	0	166.5
3	10	0	3	6.5
7	22	3	2	14.5
11	236	0	0	123.5
0	3	4	0	1.5
43	102	0	0	72.5
40	109	0	0	74.5
46	94	0	0	70
47	93	0	0	70
44	98	0	0	71
46	99	0	0	72.5
90	277	1	0	183.5
79	94	0	0	86.5
490	313	4	0	401.5
17	200	0	0	108.5
50	84	0	0	67

39	107	0	0	73
50	84	0	0	67
184	126	1	0	155
14	210	0	0	112
84	41	0	0	62.5
65	59	0	0	62
106	27	0	0	66.5
2	409	0	0	205.5
41	177	0	0	109
41	176	0	0	108.5
0	0	4	0	0
0	0	4	0	0
76	49	0	0	62.5
22	164	0	0	93
35	119	0	0	77
52	78	0	0	65
52	79	0	0	65.5
109	227	1	0	168
68	58	0	0	63
54	73	0	0	63.5
33	122	0	0	77.5
25	152	0	0	88.5
33	126	0	0	79.5
57	68	0	0	62.5
59	71	0	0	65
9	243	0	0	126
30	132	0	0	81
30	133	0	0	81.5
131	13	0	0	72
13	203	0	0	108
29	136	0	0	82.5
412	1772	9	0	1092
177	86	1	0	131.5
93	795	3	0	444
22	161	0	0	91.5
41	92	0	0	66.5
46	89	0	0	67.5
44	92	0	0	68
45	84	0	0	64.5
43	91	0	0	67
43	88	0	0	65.5
71	46	0	0	58.5
81	38	0	0	59.5
17	174	0	0	95.5
26	137	0	0	81.5
12	204	0	0	108
48	84	0	0	66

47	84	0	0	65.5
38	103	0	0	70.5
37	100	0	0	68.5
47	80	0	0	63.5
118	15	0	0	66.5
3	10	6	0	6.5
52	75	0	0	63.5
51	73	0	0	62
51	77	0	0	64
33	111	0	0	72
34	114	0	0	74
33	109	0	0	71
16	176	0	0	96
24	139	0	0	81.5
24	145	0	0	84.5
53	73	0	0	63
31	113	0	0	72
16	182	0	0	99
139	157	1	0	148
54	65	0	0	59.5
30	115	0	0	72.5
83	265	1	0	174
686	1270	10	0	978
6	266	0	0	136
13	199	0	0	106
15	179	0	0	97
29	120	0	0	74.5
56	65	0	0	60.5
3	306	0	0	154.5
27	123	0	0	75
153	137	1	0	145
161	123	1	0	142
77	38	0	0	57.5
14	183	0	0	98.5
57	57	0	0	57
10	212	0	0	111
20	150	0	0	85
19	151	0	0	85
91	24	0	0	57.5
13	183	0	0	98
43	84	0	0	63.5
39	92	0	0	65.5
37	95	0	0	66
19	158	0	0	88.5
24	132	0	0	78
46	77	0	0	61.5
35	100	0	0	67.5

35	101	0	0	68
47	76	0	0	61.5
34	102	0	0	68
37	99	0	0	68
13	189	0	0	101
100	20	0	0	60
15	174	0	0	94.5
31	105	0	0	68
46	72	0	0	59
23	136	0	0	79.5
62	49	0	0	55.5
61	50	0	0	55.5
12	186	0	0	99
108	16	0	0	62
17	155	0	0	86
50	70	0	0	60
30	111	0	0	70.5
51	67	0	0	59
22	134	0	0	78
89	27	0	0	58
119	70	5	16	94.5
67	285	1	0	176
14	179	0	0	96.5
55	603	2	0	329
2	314	0	0	158
29	108	0	0	68.5
52	65	0	0	58.5
17	158	0	0	87.5
53	63	0	0	58
28	114	0	0	71
16	160	0	0	88
56	254	1	0	155
180	215	2	0	197.5
13	178	0	0	95.5
54	60	0	0	57
27	121	0	0	74
66	44	0	0	55
16	163	0	0	89.5
82	235	1	0	158.5
84	176	1	0	130
7	216	0	0	111.5
65	41	0	0	53
8	204	0	0	106
12	178	0	0	95
89	21	0	0	55
8	212	0	0	110
18	65	5	3	41.5

36	89	0	0	62.5
38	79	0	0	58.5
37	84	0	0	60.5
39	77	0	0	58
38	79	0	0	58.5
115	120	1	0	117.5
137	1105	5	0	621
174	674	4	0	424
9	199	0	0	104
32	93	0	0	62.5
34	95	0	0	64.5
34	91	0	0	62.5
22	128	0	0	75
68	36	0	0	52
32	97	0	0	64.5
43	68	0	0	55.5
31	96	0	0	63.5
46	66	0	0	56
21	134	0	0	77.5
60	47	0	0	53.5
59	46	0	0	52.5
21	128	0	0	74.5
128	96	1	0	112
47	63	0	0	55
29	100	0	0	64.5
29	99	0	0	64
48	61	0	0	54.5
20	135	0	0	77.5
709	0	2	0	354.5
64	202	1	0	133
15	157	0	0	86
27	110	0	0	68.5
19	138	0	0	78.5
66	266	1	0	166
1	306	0	0	153.5
18	138	0	0	78
126	276	2	0	201
24	115	0	0	69.5
18	61	25	0	39.5
55	49	0	0	52
16	139	0	0	77.5
21	117	0	0	69
51	232	1	0	141.5
72	26	0	0	49
35	297	1	0	166
69	336	165	0	202.5
66	34	0	0	50

15	140	0	0	77.5
104	8	0	0	56
7	190	0	0	98.5
56	44	0	0	50
55	43	0	0	49
20	122	0	0	71
58	44	0	0	51
57	44	0	0	50.5
34	80	0	0	57
35	77	0	0	56
33	85	0	0	59
34	84	0	0	59
40	71	0	0	55.5
34	81	0	0	57.5
39	73	0	0	56
33	81	0	0	57
35	78	0	0	56.5
33	85	0	0	59
1	0	3	0	0.5
19	125	0	0	72
29	92	0	0	60.5
41	66	0	0	53.5
30	90	0	0	60
977	2159	18	0	1568
112	6	0	0	59
69	181	1	0	125
14	148	0	0	81
13	143	0	0	78
55	486	2	0	270.5
13	79	0	0	46
13	79	0	0	46
47	57	0	0	52
45	56	0	0	50.5
18	131	0	0	74.5
60	197	1	0	128.5
13	147	0	0	80
308	0	1	0	154
12	80	0	0	46
10	164	0	0	87
10	162	0	0	86
10	167	0	0	88.5
25	104	0	0	64.5
48	56	0	0	52
25	106	0	0	65.5
25	99	0	0	62
5	209	0	0	107
6	194	0	0	100



2	8	5	0	5
12	82	0	0	47
12	82	0	0	47
7	100	0	0	53.5
49	52	0	0	50.5
16	128	0	0	72
17	133	0	0	75
16	127	0	0	71.5
167	48	1	0	107.5
12	148	0	0	80
12	146	0	0	79
22	94	34	0	58
7	103	0	0	55
7	104	0	0	55.5
22	105	0	0	63.5
0	168	0	0	84
11	86	0	0	48.5
22	108	0	0	65
22	113	0	0	67.5
51	49	0	0	50
62	6	0	0	34
39	266	1	0	152.5
6	102	0	0	54
4	122	0	0	63
178	303	3	0	240.5
53	46	0	0	49.5
85	339	2	0	212
49	13	0	0	31
24	47	0	0	35.5
21	56	0	0	38.5
21	54	0	0	37.5
26	45	0	0	35.5
24	46	0	0	35
23	49	0	0	36
22	54	0	0	38
24	50	0	0	37
21	52	0	0	36.5
21	54	0	0	37.5
21	57	0	0	39
21	56	0	0	38.5
24	46	0	0	35
25	45	0	0	35
24	49	0	0	36.5
25	46	0	0	35.5
23	50	0	0	36.5
22	52	0	0	37
23	52	0	0	37.5

19	115	0	0	67
192	141	2	0	166.5
25	44	0	0	34.5
25	42	0	0	33.5
28	42	0	0	35
19	59	0	0	39
28	42	0	0	35
26	40	0	0	33
19	61	0	0	40
20	59	0	0	39.5
19	59	0	0	39
20	55	0	0	37.5
27	43	0	0	35
25	42	0	0	33.5
19	56	0	0	37.5
26	44	0	0	35
20	58	0	0	39
27	44	0	0	35.5
27	44	0	0	35.5
19	55	0	0	37
5	33	11	0	19
9	88	0	0	48.5
9	90	0	0	49.5
344	197	4	0	270.5
18	60	0	0	39
18	57	0	0	37.5
27	38	0	0	32.5
28	40	0	0	34
18	61	0	0	39.5
71	0	0	0	35.5
9	94	0	0	51.5
41	19	0	0	30
30	86	0	0	58
29	82	0	0	55.5
34	69	0	0	51.5
30	85	0	0	57.5
36	67	0	0	51.5
29	81	0	0	55
31	79	0	0	55
29	81	0	0	55
29	82	0	0	55.5
403	704	81	19	553.5
30	39	0	0	34.5
28	36	0	0	32
30	37	0	0	33.5
48	11	0	0	29.5
5	104	0	0	54.5

51	12	0	0	31.5
9	152	0	0	80.5
9	152	0	0	80.5
8	88	0	0	48
8	88	0	0	48
54	38	0	0	46
65	28	0	0	46.5
38	63	0	0	50.5
41	60	0	0	50.5
30	34	0	0	32
16	67	0	0	41.5
29	35	0	0	32
16	64	0	0	40
16	65	0	0	40.5
32	36	0	0	34
5	110	0	0	57.5
31	33	0	0	32
15	65	0	0	40
15	66	0	0	40.5
31	34	0	0	32.5
15	69	0	0	42
15	65	0	0	40
12	144	0	0	78
25	88	0	0	56.5
41	56	0	0	48.5
41	58	0	0	49.5
27	90	0	0	58.5
26	86	0	0	56
26	86	0	0	56
42	60	0	0	51
547	0	2	0	273.5
3	127	0	0	65
77	136	1	0	106.5
35	553	2	0	294
16	119	0	0	67.5
32	32	0	0	32
15	71	0	0	43
14	67	0	0	40.5
32	33	0	0	32.5
25	95	0	0	60
42	55	0	0	48.5
42	52	0	0	47
9	0	7	0	4.5
2	224	0	0	113
16	126	0	0	71
56	34	0	0	45
31	30	0	0	30.5

31	30	0	0	30.5
13	68	0	0	40.5
33	30	0	0	31.5
14	71	0	0	42.5
14	70	0	0	42
43	51	0	0	47
24	97	0	0	60.5
23	94	0	0	58.5
11	140	0	0	75.5
52	10	0	0	31
7	93	0	0	50
7	93	0	0	50
81	14	0	0	47.5
13	69	0	0	41
13	72	0	0	42.5
13	70	0	0	41.5
13	71	0	0	42
13	69	0	0	41
8	160	0	0	84
73	18	0	0	45.5
22	98	0	0	60
88	10	0	0	49
7	95	0	0	51
56	5	0	0	30.5
33	28	0	0	30.5
13	74	0	0	43.5
10	142	0	0	76
34	27	0	0	30.5
12	75	0	0	43.5
12	72	0	0	42
33	26	0	0	29.5
3	197	0	0	100
14	130	0	0	72
439	191	5	0	315
20	99	0	0	59.5
6	92	0	0	49
10	148	0	0	79
36	27	0	0	31.5
33	25	0	0	29
36	27	0	0	31.5
11	73	0	0	42
4	189	0	0	96.5
63	91	10	4	77
13	125	0	0	69
49	44	0	0	46.5
49	45	0	0	47
68	146	1	0	107

45	14	0	0	29.5
6	95	0	0	50.5
11	75	0	0	43
35	25	0	0	30
11	77	0	0	44
48	203	1	0	125.5
66	21	0	0	43.5
1	141	0	0	71
48	42	0	0	45
106	84	1	0	95
6	101	0	0	53.5
6	101	0	0	53.5
37	25	0	0	31
0	0	3	0	0
0	0	3	0	0
5	180	0	0	92.5
51	41	0	0	46
10	75	0	0	42.5
35	22	0	0	28.5
10	75	0	0	42.5
5	53	15	0	29
9	151	0	0	80
36	22	0	0	29
60	27	0	0	43.5
62	27	0	0	44.5
4	8	4	0	6
17	108	0	0	62.5
85	115	1	0	100
9	77	0	0	43
9	78	0	0	43.5
9	77	0	0	43
6	168	0	0	87
68	18	0	0	43
57	3	0	0	30
9	79	0	0	44
9	79	0	0	44
9	80	0	0	44.5
37	20	0	0	28.5
5	102	0	0	53.5
11	130	0	0	70.5
52	36	0	0	44
53	37	0	0	45
66	550	3	0	308
197	362	4	0	279.5
8	152	0	0	80
37	19	0	0	28
9	84	0	0	46.5

2	14	4	0	8
32	67	0	0	49.5
28	76	0	0	52
36	63	0	0	49.5
33	69	0	0	51
29	74	0	0	51.5
35	65	0	0	50
65	0	0	0	32.5
60	23	0	0	41.5
11	134	0	0	72.5
40	224	1	0	132
109	0	0	0	54.5
35	59	0	0	47
26	77	0	0	51.5
26	82	0	0	54
36	58	0	0	47
27	78	0	0	52.5
27	78	0	0	52.5
35	60	0	0	47.5
54	34	0	0	44
52	33	0	0	42.5
38	18	0	0	28
38	18	0	0	28
23	160	48	0	91.5
4	98	0	0	51
39	57	0	0	48
24	81	0	0	52.5
38	56	0	0	47
37	53	0	0	45
169	104	2	0	136.5
15	119	0	0	67
14	113	0	0	63.5
2	111	0	0	56.5
20	52	0	0	36
22	45	0	0	33.5
20	49	0	0	34.5
20	52	0	0	36
22	46	0	0	34
20	50	0	0	35
20	52	0	0	36
21	48	0	0	34.5
20	46	0	0	33
20	48	0	0	34
20	50	0	0	35
20	45	0	0	32.5
20	50	0	0	35
22	44	0	0	33

23	46	0	0	34.5
22	45	0	0	33.5
21	45	0	0	33
21	47	0	0	34
22	48	0	0	35
20	44	0	0	32
21	43	0	0	32
22	43	0	0	32.5
8	86	0	0	47
8	86	0	0	47
8	87	0	0	47.5
41	52	0	0	46.5
24	90	0	0	57
19	48	0	0	33.5
18	48	0	0	33
19	52	0	0	35.5
25	41	0	0	33
18	52	0	0	35
22	42	0	0	32
18	55	0	0	36.5
23	41	0	0	32
19	52	0	0	35.5
22	41	0	0	31.5
19	51	0	0	35
19	48	0	0	33.5
23	40	0	0	31.5
18	52	0	0	35
24	40	0	0	32
18	53	0	0	35.5
18	51	0	0	34.5
25	39	0	0	32
19	48	0	0	33.5
18	54	0	0	36
17	50	0	0	33.5
23	38	0	0	30.5
23	42	0	0	32.5
18	49	0	0	33.5
18	48	0	0	33
19	48	0	0	33.5
19	51	0	0	35
18	53	0	0	35.5
19	51	0	0	35
18	48	0	0	33
19	52	0	0	35.5
7	83	0	0	45
7	81	0	0	44
4	104	0	0	54

22	90	0	0	56
24	37	0	0	30.5
17	59	0	0	38
25	38	0	0	31.5
27	37	0	0	32
24	36	0	0	30
17	55	0	0	36
16	54	0	0	35
27	37	0	0	32
16	53	0	0	34.5
26	39	0	0	32.5
17	59	0	0	38
26	36	0	0	31
16	55	0	0	35.5
17	58	0	0	37.5
25	38	0	0	31.5
377	208	5	0	292.5
7	85	0	0	46
7	84	0	0	45.5
117	215	2	0	166
15	57	0	0	36
16	57	0	0	36.5
16	57	0	0	36.5
15	55	0	0	35
16	58	0	0	37
16	58	0	0	37
28	35	0	0	31.5
27	34	0	0	30.5
25	34	0	0	29.5
26	35	0	0	30.5
16	57	0	0	36.5
16	59	0	0	37.5
26	34	0	0	30
16	59	0	0	37.5
81	111	1	0	96
22	93	0	0	57.5
21	89	0	0	55
21	89	0	0	55
42	47	0	0	44.5
13	118	0	0	65.5
13	119	0	0	66
13	117	0	0	65
56	29	0	0	42.5
7	87	0	0	47
7	87	0	0	47
9	137	0	0	73
9	140	0	0	74.5



0	232	0	0	116
15	58	0	0	36.5
29	33	0	0	31
27	31	0	0	29
28	33	0	0	30.5
26	31	0	0	28.5
15	63	0	0	39
21	96	0	0	58.5
20	93	0	0	56.5
20	92	0	0	56
55	28	0	0	41.5
124	1439	8	0	781.5
14	61	0	0	37.5
14	61	0	0	37.5
14	64	0	0	39
14	59	0	0	36.5
14	60	0	0	37
0	14	4	0	7
20	96	0	0	58
44	43	0	0	43.5
6	84	0	0	45
6	84	0	0	45
38	219	1	0	128.5
55	27	0	0	41
12	119	0	0	65.5
307	87	3	0	197
13	59	0	0	36
29	30	0	0	29.5
13	62	0	0	37.5
13	63	0	0	38
28	29	0	0	28.5
28	28	0	0	28
13	63	0	0	38
3	103	0	0	53
3	101	0	0	52
3	101	0	0	52
18	96	0	0	57
18	95	0	0	56.5
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19	97	0	0	58
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6	89	0	0	47.5
13	66	0	0	39.5
29	28	0	0	28.5
13	65	0	0	39
44	194	1	0	119
3	107	0	0	55

47	40	0	0	43.5
18	103	0	0	60.5
31	27	0	0	29
12	65	0	0	38.5
12	63	0	0	37.5
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12	67	0	0	39.5
11	120	0	0	65.5
56	25	0	0	40.5
2	26	0	3	14
40	12	0	0	26
5	85	0	0	45
46	38	0	0	42
47	38	0	0	42.5
15	12	9	0	13.5
32	26	0	0	29
30	25	0	0	27.5
11	64	0	0	37.5
32	26	0	0	29
58	24	0	0	41
72	312	2	0	192
5	86	0	0	45.5
17	103	0	0	60
16	99	0	0	57.5
30	24	0	0	27
10	122	0	0	66
58	23	0	0	40.5
10	121	0	0	65.5
36	180	55	0	108
55	161	1	0	108
1	117	0	0	59
43	354	2	0	198.5
11	70	0	0	40.5
10	67	0	0	38.5
10	67	0	0	38.5
11	71	0	0	41
47	34	0	0	40.5
47	35	0	0	41
188	70	2	0	129
143	117	2	0	130
10	127	0	0	68.5
59	23	0	0	41
1	120	0	0	60.5
49	168	1	0	108.5
5	93	0	0	49
42	11	0	0	26.5

15	103	0	0	59
58	21	0	0	39.5
33	22	0	0	27.5
9	67	0	0	38
10	71	0	0	40.5
32	21	0	0	26.5
73	10	0	0	41.5
15	109	0	0	62
3	176	0	0	89.5
9	68	0	0	38.5
9	69	0	0	39
9	71	0	0	40
9	68	0	0	38.5
9	68	0	0	38.5
2	105	0	0	53.5
14	108	0	0	61
2	3	2	0	2.5
93	0	0	0	46.5
3	30	7	0	16.5
34	20	0	0	27
9	129	0	0	69
29	67	0	0	48
29	66	0	0	47.5
28	72	0	0	50
31	60	0	0	45.5
30	64	0	0	47
33	60	0	0	46.5
32	61	0	0	46.5
28	65	0	0	46.5
29	61	0	0	45
29	62	0	0	45.5
31	59	0	0	45
348	205	5	0	276.5
14	111	0	0	62.5
4	162	0	0	83
8	70	0	0	39
34	19	0	0	26.5
9	76	0	0	42.5
4	93	0	0	48.5
4	95	0	0	49.5
26	68	0	0	47
31	57	0	0	44
26	69	0	0	47.5
35	56	0	0	45.5
25	74	0	0	49.5
27	73	0	0	50
33	54	0	0	43.5

25	71	0	0	48
13	108	0	0	60.5
8	74	0	0	41
8	74	0	0	41
33	18	0	0	25.5
8	72	0	0	40
8	71	0	0	39.5
8	73	0	0	40.5
36	53	0	0	44.5
36	52	0	0	44
24	75	0	0	49.5
24	78	0	0	51
24	80	0	0	52
35	50	0	0	42.5
55	0	0	0	27.5
13	132	32	0	72.5
101	74	1	0	87.5
8	75	0	0	41.5
1	11	4	0	6
38	48	0	0	43
36	47	0	0	41.5
22	80	0	0	51
22	79	0	0	50.5
22	83	0	0	52.5
7	72	0	0	39.5
21	87	0	0	54
38	47	0	0	42.5
21	87	0	0	54
37	44	0	0	40.5
88	83	1	0	85.5
7	73	0	0	40
7	75	0	0	41
53	26	0	0	39.5
12	113	0	0	62.5
389	551	8	0	470
50	3	0	0	26.5
41	44	0	0	42.5
19	83	0	0	51
20	89	0	0	54.5
5	95	22	0	50
7	78	0	0	42.5
37	16	0	0	26.5
36	16	0	0	26
74	103	1	0	88.5
104	65	1	0	84.5
39	41	0	0	40
40	42	0	0	41

39	40	0	0	39.5
7	80	0	0	43.5
1	106	0	0	53.5
11	118	0	0	64.5
53	24	0	0	38.5
13	316	1	0	164.5
42	6	0	0	24
385	0	2	0	192.5
11	172	42	0	91.5
37	15	0	0	26
6	74	0	0	40
6	76	0	0	41
36	14	0	0	25
41	40	0	0	40.5
18	88	0	0	53
40	40	0	0	40
42	42	0	0	42
136	32	1	0	84
111	149	2	0	130
6	78	0	0	42
67	9	0	0	38
18	93	0	0	55.5
41	38	0	0	39.5
18	92	0	0	55
10	117	0	0	63.5
10	117	0	0	63.5
6	82	0	0	44
6	82	0	0	44
6	82	0	0	44
4	152	0	0	78
17	92	0	0	54.5
16	91	0	0	53.5
16	89	0	0	52.5
42	37	0	0	39.5
17	92	0	0	54.5
16	89	0	0	52.5
43	38	0	0	40.5
6	39	10	0	22.5
21	37	0	0	29
18	43	0	0	30.5
21	37	0	0	29
18	44	0	0	31
19	37	0	0	28
20	42	0	0	31
19	40	0	0	29.5
17	45	0	0	31
17	44	0	0	30.5

20	39	0	0	29.5
20	43	0	0	31.5
18	41	0	0	29.5
19	45	0	0	32
18	46	0	0	32
20	38	0	0	29
21	39	0	0	30
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17	46	0	0	31.5
17	44	0	0	30.5
18	45	0	0	31.5
19	42	0	0	30.5
18	45	0	0	31.5
20	36	0	0	28
19	40	0	0	29.5
20	43	0	0	31.5
21	36	0	0	28.5
20	37	0	0	28.5
20	36	0	0	28
20	42	0	0	31
16	44	0	0	30
17	46	0	0	31.5
20	43	0	0	31.5
21	39	0	0	30
20	42	0	0	31
20	41	0	0	30.5
20	38	0	0	29
23	37	0	0	30
19	37	0	0	28
18	42	0	0	30
19	40	0	0	29.5
17	42	0	0	29.5
18	42	0	0	30
18	40	0	0	29
38	13	0	0	25.5
16	95	0	0	55.5
16	95	0	0	55.5
95	68	1	0	81.5
69	624	4	0	346.5
74	5	0	0	39.5
44	5	0	0	24.5
15	50	0	0	32.5
15	49	0	0	32
15	49	0	0	32
16	48	0	0	32
15	50	0	0	32.5
16	51	0	0	33.5

24	34	0	0	29
16	48	0	0	32
22	35	0	0	28.5
16	46	0	0	31
24	34	0	0	29
15	48	0	0	31.5
16	47	0	0	31.5
21	35	0	0	28
23	35	0	0	29
22	32	0	0	27
16	47	0	0	31.5
23	35	0	0	29
23	35	0	0	29
5	76	0	0	40.5
43	34	0	0	38.5
15	95	0	0	55
45	34	0	0	39.5
45	35	0	0	40
78	205	2	0	141.5
14	50	0	0	32
14	51	0	0	32.5
23	32	0	0	27.5
15	53	0	0	34
24	33	0	0	28.5
14	52	0	0	33
14	52	0	0	33
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14	49	0	0	31.5
22	31	0	0	26.5
14	49	0	0	31.5
55	20	0	0	37.5
36	11	0	0	23.5
36	11	0	0	23.5
137	1164	8	0	650.5
63	121	1	0	92
14	55	0	0	34.5
13	53	0	0	33
14	54	0	0	34
14	53	0	0	33.5
13	51	0	0	32
26	30	0	0	28
23	29	0	0	26
24	29	0	0	26.5
13	50	0	0	31.5
14	56	0	0	35
14	53	0	0	33.5

13	53	0	0	33
24	29	0	0	26.5
0	107	0	0	53.5
5	83	0	0	44
5	84	0	0	44.5
5	82	0	0	43.5
9	123	0	0	66
2	162	0	0	82
0	183	0	0	91.5
308	982	10	0	645
71	107	1	0	89
66	112	1	0	89
14	94	0	0	54
12	52	0	0	32
24	28	0	0	26
24	28	0	0	26
25	28	0	0	26.5
12	53	0	0	32.5
13	56	0	0	34.5
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25	27	0	0	26
24	28	0	0	26
13	54	0	0	33.5
26	28	0	0	27
24	27	0	0	25.5
13	55	0	0	34
1	176	0	0	88.5
47	527	3	0	287
3	147	0	0	75
69	230	2	0	149.5
12	56	0	0	34
12	54	0	0	33
12	57	0	0	34.5
27	27	0	0	27
27	28	0	0	27.5
12	58	0	0	35
12	57	0	0	34.5
25	26	0	0	25.5
44	29	0	0	36.5
46	31	0	0	38.5
14	100	0	0	57
46	30	0	0	38
47	155	1	0	101
3	152	0	0	77.5
8	122	0	0	65
11	54	0	0	32.5
12	60	0	0	36



27	25	0	0	26
11	55	0	0	33
28	26	0	0	27
27	25	0	0	26
26	25	0	0	25.5
13	97	0	0	55
13	100	0	0	56.5
192	271	4	21	231.5
45	164	1	0	104.5
26	23	0	0	24.5
28	25	0	0	26.5
11	60	0	0	35.5
217	220	4	0	218.5
46	28	0	0	37
47	29	0	0	38
47	29	0	0	38
4	85	0	0	44.5
4	85	0	0	44.5
10	57	0	0	33.5
10	59	0	0	34.5
28	24	0	0	26
27	23	0	0	25
10	57	0	0	33.5
11	62	0	0	36.5
10	58	0	0	34
29	23	0	0	26
28	22	0	0	25
10	63	0	0	36.5
91	172	2	0	131.5
1344	347	560	3	845.5
77	88	1	0	82.5
28	21	0	0	24.5
28	21	0	0	24.5
29	21	0	0	25
29	22	0	0	25.5
10	64	0	0	37
9	60	0	0	34.5
26	63	0	0	44.5
27	59	0	0	43
27	59	0	0	43
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27	60	0	0	43.5
27	57	0	0	42
28	58	0	0	43
28	58	0	0	43
627	370	10	0	498.5
29	95	26	0	62

11	100	0	0	55.5
28	20	0	0	24
28	20	0	0	24
9	62	0	0	35.5
29	20	0	0	24.5
9	63	0	0	36
9	63	0	0	36
23	68	0	0	45.5
29	55	0	0	42
31	56	0	0	43.5
24	66	0	0	45
23	69	0	0	46
31	55	0	0	43
30	56	0	0	43
23	65	0	0	44
26	67	0	0	46.5
25	63	0	0	44
30	51	0	0	40.5
25	67	0	0	46
25	63	0	0	44
24	67	0	0	45.5
1	98	0	0	49.5
21	62	17	0	41.5
38	7	0	0	22.5
3	80	0	0	41.5
11	106	0	0	58.5
11	107	0	0	59
49	25	0	0	37
28	18	0	0	23
9	66	0	0	37.5
9	65	0	0	37
9	65	0	0	37
8	60	0	0	34
8	60	0	0	34
4	144	0	0	74
22	74	0	0	48
22	69	0	0	45.5
23	71	0	0	47
22	75	0	0	48.5
22	71	0	0	46.5
31	49	0	0	40
31	48	0	0	39.5
34	48	0	0	41
32	46	0	0	39
1	101	0	0	51
57	14	0	0	35.5
8	62	0	0	35

8	62	0	0	35
8	61	0	0	34.5
3	83	0	0	43
3	83	0	0	43
48	23	0	0	35.5
10	103	0	0	56.5
63	8	0	0	35.5
72	5	0	0	38.5
20	72	0	0	46
21	73	0	0	47
21	75	0	0	48
21	77	0	0	49
33	46	0	0	39.5
57	123	1	0	90
321	876	10	0	598.5
3	89	0	0	46
41	7	0	0	24
6	126	0	0	66
10	107	0	0	58.5
20	80	0	0	50
20	77	0	0	48.5
34	43	0	0	38.5
35	43	0	0	39
20	79	0	0	49.5
20	77	0	0	48.5
20	78	0	0	49
20	79	0	0	49.5
20	78	0	0	49
262	694	8	0	478
29	16	0	0	22.5
10	110	0	0	60
10	111	0	0	60.5
19	82	0	0	50.5
19	80	0	0	49.5
7	65	0	0	36
7	65	0	0	36
7	64	0	0	35.5
30	16	0	0	23
7	63	0	0	35
7	63	0	0	35
7	64	0	0	35.5
7	64	0	0	35.5
9	106	0	0	57.5
9	107	0	0	58
9	106	0	0	57.5
37	40	0	0	38.5
36	38	0	0	37

18	84	0	0	51
17	78	0	0	47.5
36	39	0	0	37.5
37	39	0	0	38
36	38	0	0	37
7	66	0	0	36.5
7	68	0	0	37.5
116	118	2	0	117
7	70	0	0	38.5
32	15	0	0	23.5
46	0	0	0	23
16	82	0	0	49
17	86	0	0	51.5
40	36	0	0	38
40	36	0	0	38
6	66	0	0	36
33	15	0	0	24
6	65	0	0	35.5
2	86	0	0	44
6	67	0	0	36.5
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6	68	0	0	37
6	69	0	0	37.5
15	84	0	0	49.5
41	35	0	0	38
50	18	0	0	34
8	109	0	0	58.5
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6	71	0	0	38.5
6	73	0	0	39.5
15	88	0	0	51.5
14	84	0	0	49
14	84	0	0	49
34	13	0	0	23.5
14	88	0	0	51
14	86	0	0	50
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50	16	0	0	33
74	3	0	0	38.5
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14	92	0	0	53

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5	71	0	0	38
72	192	2	0	132
953	360	14	0	656.5
7	111	0	0	59
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13	95	0	0	54
13	94	0	0	53.5
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4	72	0	0	38
32	9	0	0	20.5
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6	112	0	0	59
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6	117	0	0	61.5
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96	553	5	0	324.5
130	208	3	0	169
31	44	0	0	37.5
30	43	0	0	36.5
19	67	0	0	43
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32	45	0	0	38.5
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10	52	0	0	31
10	53	0	0	31.5
49	124	1	0	86.5
51	115	1	0	83
48	127	1	0	87.5
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55	222	2	0	138.5
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33	42	0	0	37.5
18	72	0	0	45
18	70	0	0	44
31	39	0	0	35

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47	127	1	0	87
8	102	0	0	55
8	105	0	0	56.5
221	156	4	0	188.5
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32	37	0	0	34.5
32	38	0	0	35
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17	74	0	0	45.5
35	5	0	0	20
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8	52	0	0	30
26	19	0	0	22.5
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26	19	0	0	22.5
74	346	82	0	210
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16	73	0	0	44.5
16	72	0	0	44
17	76	0	0	46.5
258	111	4	0	184.5
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8	54	0	0	31
25	18	0	0	21.5
26	18	0	0	22
8	54	0	0	31
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8	54	0	0	31
25	17	0	0	21
16	76	0	0	46
16	75	0	0	45.5

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15	78	0	0	46.5
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26	16	0	0	21
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28	17	0	0	22.5
28	17	0	0	22.5
74	763	6	0	418.5
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14	79	0	0	46.5
14	78	0	0	46
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110	101	2	0	105.5
208	84	3	0	146
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7	57	0	0	32
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26	15	0	0	20.5
7	58	0	0	32.5
38	31	0	0	34.5
37	30	0	0	33.5
14	80	0	0	47
31	291	2	0	161
27	15	0	0	21
39	30	0	0	34.5
27	14	0	0	20.5
13	85	0	0	49
36	3	0	0	19.5
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28	13	0	0	20.5

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40	28	0	0	34
39	27	0	0	33
74	71	1	0	72.5
598	1831	22	0	1214.5
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3	18	4	0	10.5
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54	225	50	0	139.5
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1	84	0	0	42.5
1	82	0	0	41.5
11	87	0	0	49
11	87	0	0	49
11	87	0	0	49
41	25	0	0	33
11	89	0	0	50
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45	122	1	0	83.5
42	90	1	0	66
58	197	2	0	127.5
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4	60	0	0	32
28	9	0	0	18.5
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60	88	1	0	74
22	147	1	0	84.5
20	202	1	0	111
81	378	85	0	229.5
35	0	0	0	17.5
35	1	0	0	18

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258	91	4	0	174.5
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29	9	0	0	19
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117	311	4	0	214
34	110	1	0	72
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38	1	0	0	19.5
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49	331	3	0	190
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31	8	0	0	19.5
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182	554	7	0	368
129	280	4	0	204.5
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56	60	1	0	58
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1	11	3	0	6
22	180	1	0	101
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29	6	0	0	17.5
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17	68	0	0	42.5
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42	122	1	0	82
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123	137	3	0	130
64	271	3	0	167.5
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6	94	11	0	50
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82	159	3	0	120.5
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23	2	0	0	12.5
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16	33	1	0	24.5
227	530	47	0	378.5
13	40	1	0	26.5
53	176	5	0	114.5
12	43	1	0	27.5
44	92	3	0	68
15	115	2	0	65
17	183	11	0	100
4	53	3	0	28.5
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59	96	4	0	77.5
7	33	2	0	20
39	137	4	0	88
38	635	14	0	336.5
35	4	4	0	19.5
107	354	11	0	230.5
8	128	2	0	68
52	438	11	0	245
124	208	22	0	166
17	146	3	0	81.5

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333	478	56	0	405.5
805	437	45	0	621
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67	280	18	0	173.5
51	220	14	0	135.5
452	759	78	0	605.5
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33	49	2	0	41
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23	112	3	0	67.5
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10	60	1	0	35
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19	121	3	0	70
905	1115	66	0	1010
42	87	3	0	64.5
105	330	23	0	217.5
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160	411	32	0	285.5
28	74	2	0	51
761	786	110	0	773.5
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400	536	63	0	468
167	332	29	0	249.5
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577	885	89	0	731
843	173	14	14	508
345	364	25	0	354.5
108	55	5	0	81.5
1308	896	84	0	1102
27	133	4	0	80
61	59	4	0	60
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39	159	5	0	99
42	60	3	0	51
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67	210	8	0	138.5
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41	114	8	0	77.5
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588	246	58	0	417
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746	1440	116	0	1093
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421	830	64	0	625.5
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54	105	5	0	79.5
462	749	64	0	605.5
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40	313	14	0	176.5
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561	634	64	0	597.5
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218	971	35	0	594.5
365	1143	48	0	754
1029	556	76	0	792.5
1386	1393	120	0	1389.5
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39	103	8	0	71
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538	634	51	0	586
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43	133	7	0	88
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12	374	11	0	193
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1	14	0	0	7.5
0	1	0	0	0.5
0	11	0	0	5.5
1	4	0	0	2.5
4	17	0	0	10.5
0	1	0	0	0.5
8	18	0	0	13
0	11	0	0	5.5
1	6	0	0	3.5
0	11	0	0	5.5
0	1	0	0	0.5
4	17	0	0	10.5
1	6	0	0	3.5
1	14	0	0	7.5
0	11	0	0	5.5
9	33	1	0	21
1	4	0	0	2.5
0	1	0	0	0.5
0	1	0	0	0.5
4	17	0	0	10.5
0	10	0	0	5
8	18	0	0	13
0	11	0	0	5.5
4	14	0	0	9

0	1	0	0	0.5
7	10	0	0	8.5
1	14	0	0	7.5
0	1	0	0	0.5
0	1	0	0	0.5
1	4	0	0	2.5
0	11	0	0	5.5
0	11	0	0	5.5
0	11	0	0	5.5
0	1	0	0	0.5
0	10	0	0	5
0	1	0	0	0.5
0	11	0	0	5.5
4	15	0	0	9.5
0	11	0	0	5.5
4	17	0	0	10.5
1	4	0	0	2.5
0	1	0	0	0.5
1	6	0	0	3.5
0	1	0	0	0.5
1	14	0	0	7.5
0	1	0	0	0.5
4	17	0	0	10.5
2	25	1	0	13.5
0	1	0	0	0.5
0	1	0	0	0.5
0	1	0	0	0.5
0	1	0	0	0.5
1	4	0	0	2.5
0	11	0	0	5.5
0	11	0	0	5.5
1	4	0	0	2.5
1	14	0	0	7.5
0	1	0	0	0.5
0	10	0	0	5
5	0	0	0	2.5
0	1	0	0	0.5
0	11	0	0	5.5
4	14	0	0	9
4	14	0	0	9
0	1	0	0	0.5
0	1	0	0	0.5
1	14	0	0	7.5
1	4	0	0	2.5
0	1	0	0	0.5
0	1	0	0	0.5
0	11	0	0	5.5

0	11	0	0	5.5
1	6	0	0	3.5
1	14	0	0	7.5
4	15	0	0	9.5
5	0	0	0	2.5
0	11	0	0	5.5
5	1	0	0	3
7	9	0	0	8
0	1	0	0	0.5
0	1	0	0	0.5
0	11	0	0	5.5
0	11	0	0	5.5
4	14	0	0	9
0	1	0	0	0.5
0	1	0	0	0.5
0	1	0	0	0.5
1	14	0	0	7.5
0	1	0	0	0.5
0	11	0	0	5.5
0	11	0	0	5.5
0	10	0	0	5
4	17	0	0	10.5
0	1	0	0	0.5
0	11	0	0	5.5
0	11	0	0	5.5
7	10	0	0	8.5
1	4	0	0	2.5
0	1	0	0	0.5
1	14	0	0	7.5
0	10	0	0	5
0	1	0	0	0.5
0	1	0	0	0.5
0	11	0	0	5.5
0	1	0	0	0.5
1	14	0	0	7.5
0	1	0	0	0.5
0	1	0	0	0.5
0	11	0	0	5.5
1	14	0	0	7.5
1	14	0	0	7.5
13	19	1	0	16
0	11	0	0	5.5
0	1	0	0	0.5
0	11	0	0	5.5
0	11	0	0	5.5
0	10	0	0	5
1	6	0	0	3.5

0	11	0	0	5.5
0	11	0	0	5.5
0	11	0	0	5.5
4	15	0	0	9.5
0	1	0	0	0.5
12	87	4	0	49.5
1	14	0	0	7.5
0	1	0	0	0.5
0	11	0	0	5.5
0	11	0	0	5.5
4	34	1	0	19
0	1	0	0	0.5
0	11	0	0	5.5
0	1	0	0	0.5
0	1	0	0	0.5
0	1	0	0	0.5
0	11	0	0	5.5
0	11	0	0	5.5
1	4	0	0	2.5
4	15	0	0	9.5
0	1	0	0	0.5
0	1	0	0	0.5
0	11	0	0	5.5
4	17	0	0	10.5
9	16	0	0	12.5
4	17	0	0	10.5
1	14	0	0	7.5
0	11	0	0	5.5
2	29	1	0	15.5
0	11	0	0	5.5
8	18	0	0	13
0	1	0	0	0.5
0	1	0	0	0.5
1	14	0	0	7.5
0	10	0	0	5
0	11	0	0	5.5
1	6	0	0	3.5
1	14	0	0	7.5
6	10	0	0	8
0	11	0	0	5.5
4	15	0	0	9.5
0	1	0	0	0.5
0	1	0	0	0.5
0	1	0	0	0.5
0	1	0	0	0.5
1	6	0	0	3.5
1	14	0	0	7.5



4	14	0	0	9
1	14	0	0	7.5
0	11	0	0	5.5
0	1	0	0	0.5
0	11	0	0	5.5
0	1	0	0	0.5
0	1	0	0	0.5
0	1	0	0	0.5
0	11	0	0	5.5
1	14	0	0	7.5
4	15	0	0	9.5
4	17	0	0	10.5
0	1	0	0	0.5
4	14	0	0	9
0	1	0	0	0.5
1	14	0	0	7.5
0	11	0	0	5.5
0	1	0	0	0.5
0	1	0	0	0.5
1	4	0	0	2.5
0	1	0	0	0.5
0	1	0	0	0.5
0	11	0	0	5.5
0	1	0	0	0.5
0	10	0	0	5
1	14	0	0	7.5
0	1	0	0	0.5
0	1	0	0	0.5
0	11	0	0	5.5
0	11	0	0	5.5
0	10	0	0	5
0	1	0	0	0.5
0	1	0	0	0.5
0	11	0	0	5.5
1	14	0	0	7.5
0	1	0	0	0.5
0	11	0	0	5.5
1	6	0	0	3.5
0	1	0	0	0.5
0	11	0	0	5.5
0	11	0	0	5.5
0	1	0	0	0.5
0	11	0	0	5.5
0	11	0	0	5.5
0	1	0	0	0.5
1	14	0	0	7.5
0	11	0	0	5.5

0	11	0	0	5.5
0	5	1	0	2.5
1	14	0	0	7.5
0	1	0	0	0.5
5	0	0	0	2.5
30	81	3	0	55.5
0	4	0	0	2
0	4	0	0	2
1	10	0	0	5.5
1	11	0	0	6
0	0	0	0	0
16	65	4	0	40.5
1	11	0	0	6
1	0	0	0	0.5
0	3	0	0	1.5
0	0	0	0	0
0	0	0	0	0
0	5	0	0	2.5
1	11	0	0	6
2	3	0	0	2.5
0	0	0	0	0
2	19	0	0	10.5
0	2	0	0	1
0	2	0	0	1
2	0	0	0	1
0	0	0	0	0
0	5	0	0	2.5
31	70	4	0	50.5
12	9	0	0	10.5
8	27	1	0	17.5
1	5	0	0	3
0	0	0	0	0
3	7	0	0	5
17	129	5	0	73
4	3	0	0	3.5
1	11	0	0	6
1	7	0	0	4
3	9	0	0	6
1	0	0	0	0.5
2	18	0	0	10
0	7	0	0	3.5
513	401	43	0	457
4	2	0	0	3
2	0	0	0	1
9	5	0	0	7
1	12	0	0	6.5

3	1	0	0	2
0	2	0	0	1
0	0	0	0	0
2	18	0	0	10
0	0	0	0	0
1	0	0	0	0.5
0	3	0	0	1.5
1	31	0	0	16
3	9	0	0	6
1	12	0	0	6.5
1	3	0	0	2
8	8	0	0	8
0	14	0	0	7
0	2	0	0	1
9	46	2	0	27.5
23	68	3	0	45.5
20	63	4	0	41.5
1	0	0	0	0.5
16	21	1	0	18.5
1	7	0	0	4
4	61	2	0	32.5
7	32	1	0	19.5
1	7	0	0	4
0	0	0	0	0
3	8	0	0	5.5
0	2	0	0	1
0	0	0	0	0
46	169	8	0	107.5
0	0	0	0	0
4	16	0	0	10
1	1	0	0	1
0	2	0	0	1
0	0	0	0	0
1	5	0	0	3
5	4	0	0	4.5
61	218	10	0	139.5
3	3	0	0	3
4	21	1	0	12.5
0	14	0	0	7
12	101	3	0	56.5
0	0	0	0	0
0	4	0	0	2
12	10	1	0	11
1	3	0	0	2
130	152	11	0	141
1	12	0	0	6.5
1	10	0	0	5.5

0	9	0	0	4.5
0	2	0	0	1
0	2	0	0	1
2	20	0	0	11
375	261	38	0	318
0	9	0	0	4.5
0	0	0	0	0
9	5	0	0	7
3	0	0	0	1.5
0	6	0	0	3
0	0	0	0	0
421	306	36	0	363.5
3	27	0	0	15
5	2	0	0	3.5
0	4	0	0	2
67	147	8	0	107
0	0	0	0	0
492	407	42	0	449.5
1	11	0	0	6
0	0	0	0	0
1	10	0	0	5.5
1	8	0	0	4.5
9	6	0	0	7.5
0	3	0	0	1.5
1	11	0	0	6
0	3	0	0	1.5
1	12	0	0	6.5
0	0	0	0	0
0	0	0	0	0
1	12	0	0	6.5
2	20	0	0	11
0	2	0	0	1
20	77	4	0	48.5
2	0	0	0	1
0	4	0	0	2
1	9	0	0	5
6	26	1	0	16
0	0	0	0	0
2	2	0	0	2
29	236	6	0	132.5
2	20	0	0	11
0	0	0	0	0
0	0	0	0	0
0	5	0	0	2.5
61	118	5	0	89.5
3	2	0	0	2.5

1	1	0	0	1
2	18	0	0	10
8	60	2	0	34
1	10	0	0	5.5
1	10	0	0	5.5
6	33	2	0	19.5
3	8	0	0	5.5
6	22	0	0	14
0	0	0	0	0
0	14	0	0	7
0	4	0	0	2
23	141	7	0	82
1	2	0	0	1.5
0	0	0	0	0
0	3	0	0	1.5
1	10	0	0	5.5
0	8	0	0	4
0	2	0	0	1
4	26	0	0	15
0	7	0	0	3.5
0	8	0	0	4
9	44	1	0	26.5
0	0	0	0	0
2	2	0	0	2
6	22	0	0	14
2	18	0	0	10
5	23	0	0	14
2	1	0	0	1.5
0	3	0	0	1.5
1	7	0	0	4
1	11	0	0	6
19	25	2	0	22
2	18	0	0	10
1	12	0	0	6.5
0	0	0	0	0
0	3	0	0	1.5
4	7	0	0	5.5
24	68	4	0	46
0	0	0	0	0
0	0	0	0	0
3	8	0	0	5.5
0	2	0	0	1
0	2	0	0	1
0	7	0	0	3.5
0	2	0	0	1
4	16	0	0	10
28	44	4	0	36

29	60	3	0	44.5
5	4	0	0	4.5
0	5	0	0	2.5
210	367	30	0	288.5
3	9	0	0	6
1	10	0	0	5.5
1	10	0	0	5.5
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
4	16	0	0	10
0	7	0	0	3.5
1	11	0	0	6
5	24	0	0	14.5
1	10	0	0	5.5
2	1	0	0	1.5
2	19	0	0	10.5
0	0	0	0	0
0	0	0	0	0
2	18	0	0	10
2	18	0	0	10
2	20	0	0	11
0	0	0	0	0
3	8	0	0	5.5
0	0	0	0	0
0	0	0	0	0
1	12	0	0	6.5
6	22	0	0	14
3	7	0	0	5
2	18	0	0	10
4	1	0	0	2.5
0	7	0	0	3.5
0	0	0	0	0
0	4	0	0	2
0	14	0	0	7
1	8	0	0	4.5
2	2	0	0	2
2	18	0	0	10
1	1	0	0	1
2	0	0	0	1
6	52	2	0	29
0	0	0	0	0
0	6	0	0	3
0	6	0	0	3
0	2	0	0	1
0	0	0	0	0
0	0	0	0	0

15	73	4	0	44
6	13	1	0	9.5
0	9	0	0	4.5
28	129	4	0	78.5
6	13	0	0	9.5
0	0	0	0	0
4	26	0	0	15
0	6	0	0	3
1	8	0	0	4.5
9	6	0	0	7.5
0	0	0	0	0
0	0	0	0	0
0	4	0	0	2
1	10	0	0	5.5
1	10	0	0	5.5
3	8	0	0	5.5
0	0	0	0	0
1	0	0	0	0.5
2	18	0	0	10
2	29	0	0	15.5
4	26	0	0	15
0	0	0	0	0
2	18	0	0	10
0	2	0	0	1
4	16	0	0	10
0	4	0	0	2
2	4	0	0	3
0	0	0	0	0
0	6	0	0	3
1	11	0	0	6
2	4	0	0	3
20	52	3	0	36
0	3	0	0	1.5
11	33	1	0	22
0	4	0	0	2
1	8	0	0	4.5
2	20	0	0	11
5	15	0	0	10
2	20	0	0	11
1	1	0	0	1
0	0	0	0	0
3	8	0	0	5.5
1	0	0	0	0.5
1	1	0	0	1
3	8	0	0	5.5
1	3	0	0	2
0	2	0	0	1

3	9	0	0	6
3	7	0	0	5
0	0	0	0	0
1	11	0	0	6
1	0	0	0	0.5
0	0	0	0	0
2	4	0	0	3
5	37	1	0	21
1	3	0	0	2
0	4	0	0	2
0	0	0	0	0
2	20	0	0	11
4	2	0	0	3
0	0	0	0	0
1	11	0	0	6
2	19	0	0	10.5
1	0	0	0	0.5
6	13	0	0	9.5
4	26	0	0	15
0	14	0	0	7
6	22	0	0	14
15	32	1	0	23.5
24	74	3	0	49
1	3	0	0	2
3	8	0	0	5.5
0	14	0	0	7
1	7	0	0	4
0	3	0	0	1.5
1	12	0	0	6.5
1	10	0	0	5.5
3	2	0	0	2.5
0	0	0	0	0
1	10	0	0	5.5
1	11	0	0	6
12	9	0	0	10.5
1	0	0	0	0.5
2	2	0	0	2
4	16	0	0	10
3	27	0	0	15
0	2	0	0	1
0	8	0	0	4
1	11	0	0	6
5	13	1	0	9
0	0	0	0	0
9	42	2	0	25.5
8	8	0	0	8
4	2	0	0	3



0	14	0	0	7
1	7	0	0	4
1	11	0	0	6
5	23	0	0	14
2	1	0	0	1.5
1	10	0	0	5.5
3	38	1	0	20.5
1	3	0	0	2
1	11	0	0	6
2	18	0	0	10
6	13	0	0	9.5
0	0	0	0	0
0	0	0	0	0
1	0	0	0	0.5
1	10	0	0	5.5
4	16	0	0	10
3	27	0	0	15
0	0	0	0	0
2	29	0	0	15.5
1	9	0	0	5
0	0	0	0	0
7	3	0	0	5
7	3	0	0	5
25	142	7	0	83.5
1	9	0	0	5
9	5	0	0	7
0	0	0	0	0
0	2	0	0	1
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
2	18	0	0	10
0	2	0	0	1
3	3	0	0	3
8	15	1	0	11.5
0	7	0	0	3.5
1	7	0	0	4
0	14	0	0	7
1	10	0	0	5.5
1	2	0	0	1.5
0	2	0	0	1
1	7	0	0	4
0	2	0	0	1
0	0	0	0	0
1	10	0	0	5.5
0	4	0	0	2

6	13	0	0	9.5
3	70	2	0	36.5
1	5	0	0	3
840	821	75	0	830.5
4	26	0	0	15
13	37	1	0	25
6	32	1	0	19
0	4	0	0	2
27	49	4	0	38
3	0	0	0	1.5
0	6	0	0	3
0	5	0	0	2.5
2	20	0	0	11
0	0	0	0	0
0	7	0	0	3.5
0	2	0	0	1
1	0	0	0	0.5
1	0	0	0	0.5
4	16	0	0	10
1	0	0	0	0.5
0	5	0	0	2.5
1	11	0	0	6
1	9	0	0	5
7	40	1	0	23.5
0	3	0	0	1.5
2	18	0	0	10
20	142	8	0	81
0	0	0	0	0
1	0	0	0	0.5
0	2	0	0	1
1	10	0	0	5.5
1	10	0	0	5.5
0	6	0	0	3
0	2	0	0	1
1	10	0	0	5.5
0	14	0	0	7
0	0	0	0	0
1	10	0	0	5.5
4	16	0	0	10
10	13	0	0	11.5
1	11	0	0	6
6	39	1	0	22.5
2	0	0	0	1
2	18	0	0	10
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0

3	9	0	0	6
0	0	0	0	0
2	20	0	0	11
0	8	0	0	4
1	9	0	0	5
6	22	0	0	14
14	34	1	0	24
0	4	0	0	2
14	33	1	0	23.5
1	11	0	0	6
1	7	0	0	4
2	4	0	0	3
1	10	0	0	5.5
2	18	0	0	10
1	30	0	0	15.5
1	1	0	0	1
2	0	0	0	1
5	4	0	0	4.5
1	10	0	0	5.5
0	6	0	0	3
1	12	0	0	6.5
5	23	0	0	14
0	3	0	0	1.5
1	5	0	0	3
6	4	0	0	5
1	30	0	0	15.5
1	3	0	0	2
2	4	0	0	3
9	18	2	0	13.5
1	5	0	0	3
0	3	0	0	1.5
0	0	0	0	0
1	1	0	0	1
0	2	0	0	1
4	16	0	0	10
8	8	0	0	8
0	4	0	0	2
4	38	1	0	21
0	5	0	0	2.5
0	0	0	0	0
9	6	0	0	7.5
0	0	0	0	0
4	0	0	0	2
0	0	0	0	0
0	0	0	0	0
0	14	0	0	7
2	20	0	0	11

1	1	0	0	1
5	23	0	0	14
1	0	0	0	0.5
2	1	0	0	1.5
1	3	0	0	2
1	0	0	0	0.5
0	0	0	0	0
0	2	0	0	1
1	10	0	0	5.5
0	0	0	0	0
1	11	0	0	6
1	10	0	0	5.5
3	9	0	0	6
0	14	0	0	7
13	34	1	0	23.5
4	6	0	0	5
3	3	0	0	3
5	53	2	0	29
4	11	1	0	7.5
1	0	0	0	0.5
0	0	0	0	0
0	0	0	0	0
1	30	0	0	15.5
0	0	0	0	0
3	2	0	0	2.5
1	2	0	0	1.5
26	17	1	0	21.5
4	16	0	0	10
1	30	0	0	15.5
0	2	0	0	1
11	82	3	0	46.5
4	26	0	0	15
1	10	0	0	5.5
0	2	0	0	1
1	11	0	0	6
0	14	0	0	7
1	2	0	0	1.5
1	0	0	0	0.5
5	15	0	0	10
2	18	0	0	10
1	11	0	0	6
2	2	0	0	2
0	2	0	0	1
4	26	0	0	15
3	9	0	0	6
0	0	0	0	0
3	2	0	0	2.5

10	58	2	0	34
0	0	0	0	0
1	7	0	0	4
585	646	54	0	615.5
1	7	0	0	4
0	0	0	0	0
0	3	0	0	1.5
2	4	0	0	3
0	0	0	0	0
0	2	0	0	1
0	0	0	0	0
8	8	0	0	8
1	12	0	0	6.5
2	20	0	0	11
5	2	0	0	3.5
1	11	0	0	6
0	3	0	0	1.5
2	0	0	0	1
3	9	0	0	6
1	1	0	0	1
6	58	1	0	32
0	3	0	0	1.5
0	2	0	0	1
0	6	0	0	3
0	0	0	0	0
1	10	0	0	5.5
5	15	0	0	10
2	1	0	0	1.5
0	4	0	0	2
2	2	0	0	2
1	9	0	0	5
11	11	0	0	11
0	0	0	0	0
2	20	0	0	11
0	0	0	0	0
1	12	0	0	6.5
0	0	0	0	0
2	1	0	0	1.5
0	0	0	0	0
1	5	0	0	3
8	61	2	0	34.5
1	9	0	0	5
2	3	0	0	2.5
4	7	0	0	5.5
37	97	4	0	67
2	18	0	0	10
12	122	3	0	67

0	5	0	0	2.5
1	12	0	0	6.5
0	8	0	0	4
10	3	0	0	6.5
0	3	0	0	1.5
0	14	0	0	7
1	1	0	0	1
3	8	0	0	5.5
2	20	0	0	11
0	14	0	0	7
0	7	0	0	3.5
6	22	0	0	14
1	10	0	0	5.5
14	55	2	0	34.5
3	9	0	0	6
3	20	1	0	11.5
74	189	8	0	131.5
1	12	0	0	6.5
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	5	0	0	2.5
0	0	0	0	0
39	390	16	0	214.5
2	3	0	0	2.5
5	23	0	0	14
4	16	0	0	10
1	3	0	0	2
3	9	0	0	6
0	0	0	0	0
2	29	0	0	15.5
0	0	0	0	0
0	3	0	0	1.5
1	5	0	0	3
0	0	0	0	0
3	8	0	0	5.5
2	19	0	0	10.5
1	30	0	0	15.5
10	171	4	0	90.5
1	12	0	0	6.5
1	10	0	0	5.5
0	0	0	0	0
4	16	0	0	10
1	11	0	0	6
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0

0	4	0	0	2
0	2	0	0	1
0	0	0	0	0
1	5	0	0	3
0	7	0	0	3.5
1	11	0	0	6
0	8	0	0	4
0	0	0	0	0
0	0	0	0	0
7	68	2	0	37.5
2	2	0	0	2
0	0	0	0	0
0	0	0	0	0
10	13	0	0	11.5
5	15	0	0	10
3	7	0	0	5
1	8	0	0	4.5
0	5	0	0	2.5
2	4	0	0	3
6	31	1	0	18.5
19	116	3	0	67.5
1	10	0	0	5.5
0	0	0	0	0
0	0	0	0	0
2	2	0	0	2
0	14	0	0	7
0	0	0	0	0
0	0	0	0	0
0	14	0	0	7
8	8	0	0	8
1	2	0	0	1.5
0	5	0	0	2.5
0	2	0	0	1
0	14	0	0	7
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	3	0	0	1.5
21	135	7	0	78
1	39	1	0	20
0	0	0	0	0
6	13	0	0	9.5
1	0	0	0	0.5
3	8	0	0	5.5
0	6	0	0	3
0	3	0	0	1.5
1	11	0	0	6

46	143	8	0	94.5
0	6	0	0	3
1	82	1	0	41.5
4	26	0	0	15
1	1	0	0	1
6	18	1	0	12
0	2	0	0	1
1	10	0	0	5.5
1	11	0	0	6
1	0	0	0	0.5
0	8	0	0	4
0	0	0	0	0
1	10	0	0	5.5
1	31	0	0	16
1	12	0	0	6.5
7	33	1	0	20
3	33	1	0	18
0	2	0	0	1
0	4	0	0	2
0	2	0	0	1
0	14	0	0	7
0	4	0	0	2
0	6	0	0	3
4	6	0	0	5
0	4	0	0	2
19	107	5	0	63
0	0	0	0	0
15	49	2	0	32
0	4	0	0	2
4	16	0	0	10
1	0	0	0	0.5
1	0	0	0	0.5
1	10	0	0	5.5
1	9	0	0	5
0	2	0	0	1
0	6	0	0	3
0	2	0	0	1
0	0	0	0	0
0	2	0	0	1
0	3	0	0	1.5
40	126	8	0	83
0	0	0	0	0
1	10	0	0	5.5
6	60	1	0	33
1	10	0	0	5.5
1	2	0	0	1.5
0	14	0	0	7



0	5	0	0	2.5
0	2	0	0	1
3	7	0	0	5
1	11	0	0	6
5	15	0	0	10
1	10	0	0	5.5
25	109	5	0	67
40	155	8	0	97.5
0	6	0	0	3
3	9	0	0	6
8	8	0	0	8
0	0	0	0	0
6	22	0	0	14
4	42	1	0	23
4	16	0	0	10
0	0	0	0	0
5	24	0	0	14.5
2	0	0	0	1
2	29	0	0	15.5
0	0	0	0	0
2	18	0	0	10
1	8	0	0	4.5
1	7	0	0	4
0	0	0	0	0
13	29	1	0	21
15	51	2	0	33
3	8	0	0	5.5
1	3	0	0	2
0	6	0	0	3
0	0	0	0	0
2	2	0	0	2
2	17	1	0	9.5
3	9	0	0	6
1	7	0	0	4
4	57	1	0	30.5
4	26	0	0	15
43	229	12	0	136
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
4	3	0	0	3.5
0	4	0	0	2
4	6	0	0	5
0	6	0	0	3
1	12	0	0	6.5
0	0	0	0	0
0	14	0	0	7

1	0	0	0	0.5
8	55	1	0	31.5
43	568	15	0	305.5
2	4	0	0	3
12	27	1	0	19.5
0	0	0	0	0
22	53	0	1	37.5
2	20	0	0	11
1	10	0	0	5.5
1	11	0	0	6
0	4	0	0	2
1	5	1	0	3
0	0	0	0	0
0	2	0	0	1
0	2	0	0	1
1	12	0	0	6.5
2	29	0	0	15.5
5	24	0	0	14.5
0	14	0	0	7
5	15	0	0	10
0	0	0	0	0
0	3	0	0	1.5
5	15	0	0	10
0	3	0	0	1.5
1	2	0	0	1.5
0	0	0	0	0
0	0	0	0	0
0	5	0	0	2.5
3	3	0	0	3
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
3	9	0	0	6
0	3	0	0	1.5
4	16	0	0	10
11	11	0	0	11
0	0	0	0	0
6	33	1	0	19.5
3	27	0	0	15
0	0	0	0	0
4	6	0	0	5
0	2	0	0	1
0	0	0	0	0
3	27	0	0	15
0	3	0	0	1.5
0	7	0	0	3.5
1	8	0	0	4.5

0	9	0	0	4.5
0	0	0	0	0
0	0	0	0	0
2	19	0	0	10.5
1	10	0	0	5.5
0	14	0	0	7
0	9	0	0	4.5
0	2	0	0	1
0	0	0	0	0
0	4	0	0	2
0	3	0	0	1.5
8	100	2	0	54
0	0	0	0	0
2	19	0	0	10.5
4	35	1	0	19.5
0	0	0	0	0
0	4	0	0	2
0	0	0	0	0
0	2	0	0	1
0	4	0	0	2
3	2	0	0	2.5
1	11	0	0	6
1	11	0	0	6
0	3	0	0	1.5
3	1	0	0	2
0	2	0	0	1
49	179	8	0	114
0	0	0	0	0
1	10	0	0	5.5
0	2	0	0	1
4	43	1	0	23.5
3	9	0	0	6
5	23	0	0	14
24	157	7	0	90.5
2	0	0	0	1
2	29	0	0	15.5
5	15	0	0	10
2	2	0	0	2
8	8	0	0	8
0	5	0	0	2.5
1	11	0	0	6
0	4	0	0	2
3	8	0	0	5.5
2	20	0	0	11
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0

1	10	0	0	5.5
1	0	0	0	0.5
1	30	1	0	15.5
1	11	0	0	6
4	3	0	0	3.5
0	0	0	0	0
1	11	0	0	6
8	27	1	0	17.5
0	1	1	0	0.5
0	0	0	0	0
1	8	0	0	4.5
0	14	0	0	7
0	6	0	0	3
2	18	0	0	10
0	0	0	0	0
0	4	0	0	2
1	5	0	0	3
2	19	0	0	10.5
0	0	0	0	0
1	10	0	0	5.5
0	3	0	0	1.5
9	6	0	0	7.5
1	3	0	0	2
3	1	0	0	2
0	0	0	0	0
0	0	0	0	0
0	4	0	0	2
0	0	0	0	0
0	3	0	0	1.5
0	4	0	0	2
13	69	2	0	41
1	10	0	0	5.5
0	8	0	0	4
0	6	0	0	3
0	9	0	0	4.5
1	10	0	0	5.5
1	0	0	0	0.5
5	31	2	0	18
9	6	0	0	7.5
1	1	0	0	1
1	10	0	0	5.5
0	7	0	0	3.5
2	20	0	0	11
1	2	0	0	1.5
4	16	0	0	10
5	296	12	0	150.5
1	11	0	0	6

19	97	3	0	58
1	11	0	0	6
1	3	0	0	2
0	14	0	0	7
0	9	0	0	4.5
0	5	0	0	2.5
8	55	1	0	31.5
3	27	0	0	15
0	17	1	0	8.5
7	29	1	0	18
1	3	0	0	2
0	0	0	0	0
2	19	0	0	10.5
0	3	0	0	1.5
0	3	0	0	1.5
0	0	0	0	0
0	8	0	0	4
8	58	2	0	33
1	11	0	0	6
0	8	0	0	4
1	3	0	0	2
0	0	0	0	0
0	0	0	0	0
0	2	0	0	1
31	105	5	0	68
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
3	1	0	0	2
1	7	0	0	4
1	0	0	0	0.5
2	2	0	0	2
0	0	0	0	0
1	3	0	0	2
2	1	0	0	1.5
0	0	0	0	0
2	3	0	0	2.5
2	2	0	0	2
3	7	0	0	5
0	14	0	0	7
0	0	0	0	0
1	0	0	0	0.5
1	12	0	0	6.5
0	14	0	0	7
4	7	0	0	5.5
0	0	0	0	0
0	14	0	0	7

1	30	0	0	15.5
1	10	0	0	5.5
0	2	0	0	1
1	11	0	0	6
0	0	0	0	0
3	7	0	0	5
2	18	0	0	10
1	0	0	0	0.5
0	0	0	0	0
1	12	0	0	6.5
1	1	0	0	1
0	0	0	0	0
2	19	0	0	10.5
1	2	0	0	1.5
1	11	0	0	6
11	192	4	0	101.5
1	11	0	0	6
1	10	0	0	5.5
0	14	0	0	7
12	52	2	0	32
0	0	0	0	0
2	2	0	0	2
0	6	0	0	3
1	0	0	0	0.5
6	32	1	0	19
1	11	0	0	6
1	3	0	0	2
2	20	0	0	11
4	1	0	0	2.5
5	34	1	0	19.5
36	224	6	0	130
3	62	2	0	32.5
1	12	0	0	6.5
2	19	0	0	10.5
1	12	0	0	6.5
4	16	0	0	10
1	11	0	0	6
0	0	0	0	0
0	2	0	0	1
118	208	11	0	163
1	3	0	0	2
0	14	0	0	7
2	18	0	0	10
8	22	2	0	15
212	218	21	0	215
1	12	0	0	6.5
12	19	1	0	15.5

6	13	0	0	9.5
2	1	0	0	1.5
14	2	0	0	8
2	15	1	0	8.5
3	9	0	0	6
1	12	0	0	6.5
0	0	0	0	0
0	0	0	0	0
5	24	0	0	14.5
0	2	0	0	1
0	0	0	0	0
2	20	0	0	11
22	151	6	0	86.5
0	5	0	0	2.5
1	12	0	0	6.5
1	8	0	0	4.5
5	15	0	0	10
1	2	0	0	1.5
7	55	2	0	31
1	31	0	0	16
3	9	0	0	6
1	0	0	0	0.5
4	16	0	0	10
0	0	0	0	0
0	0	0	0	0
6	5	0	0	5.5
0	0	0	0	0
1	12	0	0	6.5
8	35	1	0	21.5
5	28	1	0	16.5
1	8	0	0	4.5
1	10	0	0	5.5
0	4	0	0	2
11	11	0	0	11
1	10	0	0	5.5
6	5	0	0	5.5
4	16	0	0	10
0	14	0	0	7
2	19	0	0	10.5
0	0	0	0	0
0	0	0	0	0
0	2	0	0	1
1	2	0	0	1.5
1	10	0	0	5.5
1	12	0	0	6.5
2	1	0	0	1.5
0	0	0	0	0

0	4	0	0	2
41	109	4	0	75
6	22	0	0	14
3	1	0	0	2
55	144	8	0	99.5
13	42	1	0	27.5
9	16	1	0	12.5
0	2	0	0	1
0	0	0	0	0
4	16	0	0	10
0	2	0	0	1
0	0	0	0	0
0	2	0	0	1
1	11	0	0	6
0	0	0	0	0
0	0	0	0	0
0	14	0	0	7
0	0	0	0	0
1	12	0	0	6.5
0	2	0	0	1
0	0	0	0	0
0	3	0	0	1.5
1	10	0	0	5.5
2	18	0	0	10
0	14	0	0	7
0	0	0	0	0
1	11	0	0	6
0	6	0	0	3
0	14	0	0	7
6	13	0	0	9.5
0	14	0	0	7
3	8	0	0	5.5
5	33	1	0	19
0	0	0	0	0
0	0	0	0	0
1	10	0	0	5.5
4	16	0	0	10
1	10	0	0	5.5
6	41	1	0	23.5
0	0	0	0	0
1	10	0	0	5.5
1	2	0	0	1.5
1	12	0	0	6.5
0	0	0	0	0
19	77	2	0	48
1	5	1	0	3
0	0	0	0	0



1	22	1	0	11.5
8	8	0	0	8
3	8	0	0	5.5
1	8	0	0	4.5
0	8	0	0	4
0	4	0	0	2
0	4	0	0	2
1	11	0	0	6
0	0	0	0	0
0	0	0	0	0
30	44	3	0	37
4	6	0	0	5
1	10	0	0	5.5
1	12	0	0	6.5
0	0	0	0	0
0	0	0	0	0
0	4	0	0	2
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
3	3	0	0	3
18	69	2	0	43.5
1	3	0	0	2
0	0	0	0	0
0	0	0	0	0
57	32	3	0	44.5
26	100	3	0	63
0	0	0	0	0
1	7	0	0	4
1	11	0	0	6
0	3	0	0	1.5
2	20	0	0	11
6	13	0	0	9.5
0	0	0	0	0
4	16	0	0	10
0	0	0	0	0
4	26	0	0	15
2	19	0	0	10.5
1	12	0	0	6.5
2	2	0	0	2
7	33	1	0	20
1	10	0	0	5.5
1	1	0	0	1
1	11	0	0	6
0	0	0	0	0
1	11	0	0	6

0	2	0	0	1
1	5	0	0	3
1	31	0	0	16
1	2	0	0	1.5
0	0	0	0	0
2	29	0	0	15.5
1	10	0	0	5.5
2	0	0	0	1
12	0	1	0	6
0	4	0	0	2
2	19	0	0	10.5
10	76	3	0	43
7	426	16	0	216.5
18	163	4	0	90.5
2	0	0	0	1
0	0	0	0	0
0	0	0	0	0
1	11	0	0	6
1	8	0	0	4.5
0	5	0	0	2.5
1	7	0	0	4
0	0	0	0	0
0	0	0	0	0
1	0	0	0	0.5
6	13	0	0	9.5
1	2	0	0	1.5
0	3	0	0	1.5
0	0	0	0	0
3	0	0	0	1.5
0	14	0	0	7
0	26	1	0	13
12	15	1	0	13.5
28	97	3	0	62.5
90	274	16	0	182
0	3	0	0	1.5
22	145	6	0	83.5
0	4	0	0	2
4	37	2	0	20.5
0	4	0	0	2
1	11	0	0	6
7	54	1	0	30.5
9	57	2	0	33
9	51	2	0	30
18	28	1	0	23
2	19	0	0	10.5
1	2	0	0	1.5
1	2	0	0	1.5

1	1	0	0	1
2	18	0	0	10
1	11	0	0	6
0	0	0	0	0
1	0	0	0	0.5
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
3	8	0	0	5.5
6	13	0	0	9.5
0	4	0	0	2
1	3	0	0	2
1	1	0	0	1
0	0	0	0	0
0	4	0	0	2
0	0	0	0	0
4	20	1	0	12
0	3	0	0	1.5
4	0	0	0	2
6	57	1	0	31.5
1	12	0	0	6.5
0	3	0	0	1.5
1	8	0	0	4.5
5	23	0	0	14
1	10	0	0	5.5
0	0	0	0	0
0	0	0	0	0
0	14	0	0	7
0	4	0	0	2
1	10	0	0	5.5
3	7	0	0	5
0	6	0	0	3
2	18	0	0	10
0	9	0	0	4.5
0	0	0	0	0
13	37	2	0	25
1	3	0	0	2
1	10	0	0	5.5
1	2	0	0	1.5
1	1	0	0	1
0	0	0	0	0
2	19	0	0	10.5
3	9	0	0	6
5	24	0	0	14.5
0	0	0	0	0
1	11	0	0	6
0	14	0	0	7

1	12	0	0	6.5
0	0	0	0	0
1	11	0	0	6
0	5	0	0	2.5
1	31	0	0	16
116	242	11	0	179
1	1	0	0	1
0	2	0	0	1
11	43	2	0	27
0	8	0	0	4
4	7	0	0	5.5
0	0	0	0	0
0	0	0	0	0
1	2	0	0	1.5
0	14	0	0	7
1	7	0	0	4
2	20	0	0	11
1	10	0	0	5.5
0	2	0	0	1
0	0	0	0	0
2	1	0	0	1.5
0	0	0	0	0
1	10	0	0	5.5
0	5	0	0	2.5
3	8	0	0	5.5
25	144	4	0	84.5
4	7	0	0	5.5
95	103	11	0	99
4	6	0	0	5
15	25	1	0	20
1	0	0	0	0.5
11	32	1	0	21.5
6	22	0	0	14
0	5	0	0	2.5
7	48	1	0	27.5
4	3	0	0	3.5
1	0	0	0	0.5
0	0	0	0	0
0	5	0	0	2.5
2	19	0	0	10.5
19	62	4	0	40.5
2	1	0	0	1.5
2	1	0	0	1.5
1	7	0	0	4
1	10	0	0	5.5
3	9	0	0	6
0	6	0	0	3

33	143	6	0	88
0	0	0	0	0
2	18	0	0	10
0	0	0	0	0
0	2	0	0	1
1	10	0	0	5.5
1	7	0	0	4
0	0	0	0	0
0	14	0	0	7
0	5	0	0	2.5
1	11	0	0	6
1	30	0	0	15.5
1	9	0	0	5
12	18	1	0	15
5	15	0	0	10
1	10	0	0	5.5
0	0	0	0	0
2	29	0	0	15.5
0	14	0	0	7
1	0	0	0	0.5
1	12	0	0	6.5
1	11	0	0	6
0	0	0	0	0
0	0	0	0	0
0	14	0	0	7
1	11	0	0	6
5	36	1	0	20.5
2	4	0	0	3
0	0	0	0	0
3	8	0	0	5.5
3	27	0	0	15
3	41	2	0	22
0	5	0	0	2.5
3	9	0	0	6
1	0	0	0	0.5
773	832	83	0	802.5
0	0	0	0	0
1	2	0	0	1.5
0	4	0	0	2
1	0	0	0	0.5
0	4	0	0	2
4	7	0	0	5.5
0	3	0	0	1.5
0	7	0	0	3.5
0	5	0	0	2.5
2	32	1	0	17

3	8	0	0	5.5
1	1	0	0	1
4	16	0	0	10
3	0	0	0	1.5
0	0	0	0	0
0	4	0	0	2
2	0	0	0	1
4	16	0	0	10
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
3	3	0	0	3
26	134	6	0	80
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
9	6	0	0	7.5
6	61	1	0	33.5
0	0	0	0	0
1	7	0	0	4
5	15	0	0	10
1054	1507	107	1	1280.5
1	11	0	0	6
24	95	3	0	59.5
0	5	0	0	2.5
1	7	0	0	4
7	25	1	0	16
0	0	0	0	0
1	11	0	0	6
2	18	0	0	10
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
2	19	1	0	10.5
0	2	0	0	1
0	7	0	0	3.5
5	15	0	0	10
1	2	0	0	1.5
0	14	0	0	7
0	0	0	0	0
1	5	0	0	3
1	9	0	0	5
0	0	0	0	0
1	11	0	0	6
1	5	0	0	3
0	0	0	0	0

0	0	0	0	0
0	0	0	0	0
0	6	0	0	3
0	5	0	0	2.5
9	6	0	0	7.5
1	12	0	0	6.5
0	0	0	0	0
0	5	0	0	2.5
0	14	0	0	7
20	408	13	0	214
1	1	0	0	1
1	7	0	0	4
0	80	1	0	40
31	112	5	0	71.5
2	18	0	0	10
0	14	0	0	7
0	14	0	0	7
0	0	0	0	0
2	36	1	0	19
3	0	0	0	1.5
1	11	0	0	6
0	0	0	0	0
0	0	0	0	0
1	1	0	0	1
1	11	0	0	6
4	27	1	0	15.5
8	8	0	0	8
1	3	0	0	2
3	8	0	0	5.5
2	17	1	0	9.5
1	0	0	0	0.5
1	2	0	0	1.5
1	2	1	0	1.5
1	8	0	0	4.5
4	26	0	0	15
0	0	0	0	0
2	18	0	0	10
9	0	0	0	4.5
0	14	0	0	7
10	64	3	0	37
0	0	0	0	0
0	0	0	0	0
20	128	6	0	74
6	22	0	0	14
0	0	0	0	0
1	12	0	0	6.5
1	0	0	0	0.5

3	8	0	0	5.5
0	0	0	0	0
2	18	0	0	10
3	1	0	0	2
2	0	0	0	1
0	7	0	0	3.5
2	2	0	0	2
3	2	0	0	2.5
1	12	0	0	6.5
4	2	0	0	3
11	33	1	0	22
0	0	0	0	0
5	15	0	0	10
4	1	0	0	2.5
0	0	0	0	0
15	28	2	0	21.5
0	0	0	0	0
1	11	0	0	6
1	10	0	0	5.5
1	11	0	0	6
0	0	0	0	0
5	15	0	0	10
39	35	3	0	37
3	9	0	0	6
1	0	0	0	0.5
1	12	0	0	6.5
11	11	0	0	11
1	11	0	0	6
1	0	0	0	0.5
16	63	2	0	39.5
14	46	2	0	30
1	5	0	0	3
3	3	0	0	3
1	7	0	0	4
1	8	0	0	4.5
0	0	0	0	0
1	7	0	0	4
0	0	0	0	0
3	3	0	0	3
0	0	0	0	0
0	0	0	0	0
5	23	0	0	14
1	11	0	0	6
5	15	0	0	10
1	7	0	0	4
3	9	0	0	6
0	0	0	0	0



1	9	0	0	5
4	0	0	0	2
0	0	0	0	0
10	43	2	0	26.5
0	14	0	0	7
0	0	0	0	0
0	5	0	0	2.5
0	14	0	0	7
0	0	0	0	0
2	20	0	0	11
3	2	0	0	2.5
1	11	0	0	6
2	19	0	0	10.5
1	1	0	0	1
0	2	0	0	1
0	0	0	0	0
4	0	0	0	2
4	54	1	0	29
1	0	0	0	0.5
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
1	5	0	0	3
0	7	0	0	3.5
2	20	0	0	11
45	102	5	0	73.5
0	0	0	0	0
0	0	0	0	0
1	0	0	0	0.5
0	5	0	0	2.5
2	1	0	0	1.5
0	3	0	0	1.5
0	14	0	0	7
4	3	0	0	3.5
1	0	0	0	0.5
0	0	0	0	0
1	7	0	0	4
1	3	1	0	2
2	20	0	0	11
0	0	0	0	0
1	0	0	0	0.5
0	0	0	0	0
0	0	0	0	0
15	167	5	0	91

3	7	0	0	5
1	10	0	0	5.5
75	140	7	0	107.5
3	27	0	0	15
12	9	0	0	10.5
0	14	0	0	7
0	0	0	0	0
0	3	0	0	1.5
0	3	0	0	1.5
0	7	0	0	3.5
6	21	1	0	13.5
0	5	0	0	2.5
1	12	0	0	6.5
1	2	0	0	1.5
5	10	1	0	7.5
1	11	0	0	6
1	11	0	0	6
0	2	0	0	1
3	0	0	0	1.5
2	0	0	0	1
0	5	0	0	2.5
1	11	0	0	6
2	18	0	0	10
1	10	0	0	5.5
0	3	0	0	1.5
34	46	3	0	40
10	13	0	0	11.5
4	0	0	0	2
0	2	0	0	1
2	20	0	0	11
2	20	0	0	11
2	18	0	0	10
8	7	1	0	7.5
3	3	0	0	3
0	2	0	0	1
0	0	0	0	0
6	22	0	0	14
1	12	0	0	6.5
1	0	0	0	0.5
7	31	1	0	19
0	0	0	0	0
0	5	0	0	2.5
0	7	0	0	3.5
0	3	0	0	1.5
2	20	0	0	11
6	4	0	0	5
5	15	0	0	10

1	3	0	0	2
0	0	0	0	0
1	1	0	0	1
3	8	0	0	5.5
5	23	0	0	14
3	0	0	0	1.5
0	2	0	0	1
1	3	0	0	2
0	3	0	0	1.5
0	5	0	0	2.5
0	0	0	0	0
1	11	0	0	6
1	0	0	0	0.5
0	0	0	0	0
0	0	0	0	0
0	3	0	0	1.5
0	4	0	0	2
3	8	0	0	5.5
0	7	0	0	3.5
5	24	0	0	14.5
0	0	0	0	0
2	0	0	0	1
3	8	0	0	5.5
3	1	0	0	2
4	16	0	0	10
5	15	0	0	10
0	0	0	0	0
4	16	0	0	10
0	8	0	0	4
0	0	0	0	0
1	11	0	0	6
4	7	0	0	5.5
0	6	0	0	3
0	4	0	0	2
3	1	0	0	2
4	16	0	0	10
6	4	0	0	5
3	0	0	0	1.5
13	72	3	0	42.5
0	0	0	0	0
4	16	0	0	10
0	2	0	0	1
1	2	0	0	1.5
0	0	0	0	0
0	0	0	0	0
4	0	0	0	2
1	10	0	0	5.5

12	40	2	0	26
0	0	0	0	0
1	0	0	0	0.5
1	7	0	0	4
0	4	0	0	2
2	18	0	0	10
1	9	0	0	5
0	14	0	0	7
1	1	0	0	1
0	5	0	0	2.5
1	12	0	0	6.5
0	3	0	0	1.5
1	12	0	0	6.5
1	11	0	0	6
3	3	0	0	3
6	70	2	0	38
4	7	0	0	5.5
1	11	0	0	6
0	3	0	0	1.5
0	3	0	0	1.5
2	4	0	0	3
2	4	0	0	3
3	7	0	0	5
0	0	0	0	0
3	8	0	0	5.5
1	12	0	0	6.5
0	0	0	0	0
0	0	0	0	0
1	11	0	0	6
0	0	0	0	0
0	0	0	0	0
2	18	0	0	10
0	0	0	0	0
8	8	0	0	8
4	16	0	0	10
1	0	0	0	0.5
0	0	0	0	0
1	11	0	0	6
5	15	0	0	10
1	11	0	0	6
1	10	0	0	5.5
2	19	0	0	10.5
0	3	0	0	1.5
2	20	0	0	11
7	28	1	0	17.5
3	27	0	0	15
1	12	0	0	6.5

2	20	0	0	11
3	27	0	0	15
0	0	0	0	0
0	5	0	0	2.5
0	14	0	0	7
1	11	0	0	6
3	7	0	0	5
0	2	0	0	1
0	5	0	0	2.5
2	0	0	0	1
0	9	0	0	4.5
4	1	0	0	2.5
3	8	0	0	5.5
0	0	0	0	0
0	0	0	0	0
0	6	0	0	3
1	2	0	0	1.5
1	0	0	0	0.5
3	8	0	0	5.5
4	0	0	0	2
0	0	0	0	0
18	7	1	0	12.5
0	0	0	0	0
1	12	0	0	6.5
0	0	0	0	0
1	0	0	0	0.5
2	2	0	0	2
0	4	0	0	2
5	23	0	0	14
0	3	0	0	1.5
0	0	0	0	0
1	0	0	0	0.5
4	16	0	0	10
2	29	0	0	15.5
1	9	0	0	5
0	0	0	0	0
1	3	0	0	2
0	3	0	0	1.5
1	1	0	0	1
0	0	0	0	0
4	2	0	0	3
2	4	0	0	3
5	15	0	0	10
4	16	0	0	10
0	9	0	0	4.5
0	3	0	0	1.5
0	0	0	0	0

1	3	0	0	2
4	16	0	0	10
1	10	0	0	5.5
2	4	0	0	3
6	25	1	0	15.5
6	30	2	0	18
0	0	0	0	0
6	22	0	0	14
0	0	0	0	0
0	6	0	0	3
1	9	0	0	5
2	19	0	0	10.5
1	3	0	0	2
0	0	0	0	0
0	0	0	0	0
0	2	0	0	1
0	4	0	0	2
1	1	0	0	1
3	0	0	0	1.5
11	74	4	0	42.5
10	50	1	0	30
1	31	0	0	16
0	2	0	0	1
16	92	2	0	54
1	10	0	0	5.5
0	0	0	0	0
1	0	0	0	0.5
1	10	0	0	5.5
0	6	0	0	3
0	0	0	0	0
1	7	0	0	4
0	4	0	0	2
3	2	0	0	2.5
3	9	0	0	6
4	26	0	0	15
0	0	0	0	0
0	0	0	0	0
5	50	2	0	27.5
0	0	0	0	0
0	6	0	0	3
19	29	1	0	24
1	11	0	0	6
0	8	0	0	4
8	95	3	0	51.5
0	4	0	0	2
2	18	0	0	10
2	29	0	0	15.5

361	291	29	0	326
0	0	0	0	0
6	22	0	0	14
2	20	0	0	11
1	2	0	0	1.5
1	0	0	0	0.5
1	11	0	0	6
8	51	3	0	29.5
4	16	0	0	10
0	0	0	0	0
14	43	2	0	28.5
0	0	0	0	0
2	18	0	0	10
6	13	0	0	9.5
2	1	0	0	1.5
5	15	0	0	10
0	2	0	0	1
0	0	0	0	0
0	4	0	0	2
0	2	0	0	1
1	11	0	0	6
6	62	1	0	34
6	48	1	0	27
1	5	0	0	3
1	5	0	0	3
1	12	0	0	6.5
1	3	0	0	2
3	2	0	0	2.5
0	0	0	0	0
0	0	0	0	0
0	4	0	0	2
6	13	0	0	9.5
2	29	0	0	15.5
0	14	0	0	7
0	0	0	0	0
5	15	0	0	10
1	5	0	0	3
2	29	0	0	15.5
13	36	2	0	24.5
1	10	0	0	5.5
1	3	0	0	2
1	1	0	0	1
1	3	0	0	2
0	9	0	0	4.5
1	31	0	0	16
1	12	0	0	6.5
0	4	0	0	2

0	14	0	0	7
1	0	0	0	0.5
0	14	0	0	7
3	8	0	0	5.5
1	8	0	0	4.5
3	7	0	0	5
36	56	4	0	46
2	20	0	0	11
0	0	0	0	0
1	1	0	0	1
0	82	1	0	41
2	18	0	0	10
2	18	0	0	10
75	151	10	0	113
0	0	0	0	0
2	2	0	0	2
0	9	0	0	4.5
0	3	0	0	1.5
3	3	0	0	3
1	3	0	0	2
0	0	0	0	0
0	4	0	0	2
0	0	0	0	0
0	14	0	0	7
0	6	0	0	3
862	1356	89	0	1109
11	11	0	0	11
0	5	0	0	2.5
0	5	0	0	2.5
1	12	0	0	6.5
0	0	0	0	0
0	0	0	0	0
1	11	0	0	6
1	11	0	0	6
6	23	1	0	14.5
0	5	0	0	2.5
0	7	0	0	3.5
0	3	0	0	1.5
0	14	0	0	7
0	14	0	0	7
657	776	57	0	716.5
1	0	0	0	0.5
2	29	0	0	15.5
0	14	0	0	7
1	10	0	0	5.5
0	7	0	0	3.5
0	0	0	0	0



0	14	0	0	7
1	11	0	0	6
0	5	0	0	2.5
4	26	0	0	15
0	4	0	0	2
0	2	0	0	1
0	14	0	0	7
2	15	1	0	8.5
4	19	1	0	11.5
1	7	0	0	4
2	4	0	0	3
1	0	0	0	0.5
0	0	0	0	0
1	10	0	0	5.5
0	0	0	0	0
0	5	0	0	2.5
1	12	0	0	6.5
3	27	0	0	15
3	7	0	0	5
10	64	2	0	37
6	5	0	0	5.5
0	2	0	0	1
2	4	0	0	3
0	8	0	0	4
3	7	0	0	5
0	2	0	0	1
4	16	0	0	10
0	2	0	0	1
3	7	0	0	5
5	15	0	0	10
19	36	3	0	27.5
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
3	0	0	0	1.5
1	0	0	0	0.5
0	14	0	0	7
3	3	0	0	3
1	10	0	0	5.5
2	20	0	0	11
2	19	0	0	10.5
0	4	0	0	2
1	8	0	0	4.5
0	9	0	0	4.5
1	10	0	0	5.5
0	0	0	0	0
2	29	0	0	15.5

0	0	0	0	0
4	0	0	0	2
0	5	0	0	2.5
1	2	0	0	1.5
0	6	0	0	3
0	5	0	0	2.5
0	9	0	0	4.5
34	158	6	0	96
0	0	0	0	0
0	5	0	0	2.5
0	0	0	0	0
2	18	0	0	10
11	74	3	0	42.5
0	3	0	0	1.5
0	14	0	0	7
0	5	0	0	2.5
0	8	0	0	4
2	1	0	0	1.5
0	0	0	0	0
3	3	0	0	3
0	1	1	0	0.5
0	0	0	0	0
2	18	1	0	10
0	14	0	0	7
1	0	0	0	0.5
1	12	0	0	6.5
1	1	0	0	1
4	7	0	0	5.5
1	1	0	0	1
4	42	3	0	23
1	10	0	0	5.5
0	4	0	0	2
0	4	0	0	2
1	12	0	0	6.5
8	8	0	0	8
0	2	0	0	1
3	2	0	0	2.5
0	23	2	0	11.5
0	0	0	0	0
1	1	0	0	1
0	7	0	0	3.5
2	18	0	0	10
14	18	1	0	16
9	52	1	0	30.5
1	10	0	0	5.5
1	0	0	0	0.5
0	14	0	0	7

0	2	0	0	1
1	5	0	0	3
4	7	0	0	5.5
0	2	0	0	1
2	1	0	0	1.5
0	0	0	0	0
11	11	0	0	11
1	11	0	0	6
0	0	0	0	0
2	1	0	0	1.5
1	11	0	0	6
0	0	0	0	0
0	0	0	0	0
6	13	0	0	9.5
0	0	0	0	0
2	2	0	0	2
11	61	3	0	36
0	0	0	0	0
4	1	0	0	2.5
2	19	0	0	10.5
2	18	0	0	10
0	0	0	0	0
0	6	0	0	3
3	1	0	0	2
5	4	0	0	4.5
0	0	0	0	0
1	10	0	0	5.5
0	0	0	0	0
3	8	0	0	5.5
0	0	0	0	0
3	1	0	0	2
0	2	0	0	1
0	9	0	0	4.5
3	27	0	0	15
1	0	0	0	0.5
0	2	0	0	1
0	3	0	0	1.5
0	4	0	0	2
21	663	28	0	342
0	0	0	0	0
1	8	0	0	4.5
3	9	0	0	6
0	0	0	0	0
1	12	0	0	6.5
0	0	0	0	0
0	0	0	0	0
3	9	0	0	6

0	0	0	0	0
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0	0	0	0	0
1	3	0	0	2
0	0	0	0	0
22	80	2	0	51
1	0	0	0	0.5
0	0	0	0	0
1	11	0	0	6
1	10	0	0	5.5
0	0	0	0	0
0	0	0	0	0
4	16	0	0	10
3	7	0	0	5
10	3	0	0	6.5
1	9	0	0	5
4	3	0	0	3.5
0	0	0	0	0
2	0	0	0	1
0	0	0	0	0
4	16	0	0	10
14	0	0	0	7
7	27	2	0	17
0	30	0	0	15
5	23	1	0	14
5	21	1	0	13
15	15	1	0	15
14	0	0	0	7
8	49	1	0	28.5
5	20	1	0	12.5
0	30	0	0	15
0	30	0	0	15
8	14	1	0	11
0	30	0	0	15
0	30	0	0	15
7	35	1	0	21
0	30	0	0	15
0	30	0	0	15
0	30	0	0	15
14	0	0	0	7
0	30	0	0	15
0	30	0	0	15

means of replicates for the samples (T3 and P18). The average of the counts for replicates were considered

T3 - mean	T3 > P18
181	TRUE
149.5	TRUE
73	TRUE
150.5	TRUE
84	TRUE
42	TRUE
73	TRUE
51	TRUE
122.5	TRUE
12	TRUE
85.5	TRUE
98.5	TRUE
0	FALSE
20.5	TRUE
196	FALSE
16.5	TRUE
40	FALSE
0	FALSE
156	FALSE
0	FALSE
0	FALSE
0	FALSE
0	FALSE
15	TRUE
0	FALSE
0	FALSE
0	FALSE
14.5	TRUE
0	FALSE
1	FALSE
0	FALSE
110	FALSE
25.5	FALSE
0	FALSE
0	FALSE
0.5	FALSE
14	FALSE
0	FALSE
137.5	FALSE
29.5	FALSE
0	FALSE
0	FALSE
0	FALSE
16	FALSE
102.5	FALSE

74.5	FALSE
112.5	FALSE
0	FALSE
7.5	FALSE
0	FALSE
0	FALSE
0	FALSE
0	FALSE
0	FALSE
108.5	FALSE
0	FALSE
0	FALSE
24	TRUE
0	FALSE
25	TRUE
22.5	TRUE
0	FALSE
5	FALSE
0	FALSE
0	FALSE
19	TRUE
0	FALSE
0	FALSE
0	FALSE
37.5	TRUE
0	FALSE
78	FALSE
0	FALSE
0	FALSE
0	FALSE
0	FALSE
0	FALSE
0	FALSE
0	FALSE
187	FALSE
0	FALSE
0	FALSE
0	FALSE
36	TRUE
13	TRUE
0	FALSE
13.5	TRUE
0	FALSE
0	FALSE
12.5	TRUE
0	FALSE
11.5	TRUE
0	FALSE







5	TRUE
0	FALSE
225.5	TRUE
35.5	FALSE
0	FALSE
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1	FALSE
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1	FALSE
0.5	FALSE
10.5	TRUE
0	FALSE
0.5	FALSE
4.5	TRUE
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4.5	TRUE
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197.5	FALSE
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g's (BH) method was used to adjust p-values for multiple testing and for controlling the false discover

















































































































































































































































































































































































































































































































**y rate (FDR)**