

Table S3. Differentially expressed genes (DEGs) identified in pairwise comparison between preparation of summer diapause and non-diapause in *P. melete*.

geneID	log2(foldchange)	control_rpk	treat_rpk	noiseq_probility	Up/Down
Unigene19019	2.851016215	479.5932847	3460.305892	0.808395128	Up
Unigene22840	7.864707833	0.356704798	83.1422774	0.979600345	Up
Unigene778	7.606190262	0.03	5.845379018	0.836123768	Up
CL7184.Contig1	6.821416126	0.11847141	13.39875431	0.901861282	Up
CL822.Contig4	7.295865496	0.03	4.714065509	0.806155633	Up
CL2637.Contig1	4.230648043	1.35483564	25.43540017	0.806405789	Up
Unigene2195	3.774869315	6.836094408	93.57437721	0.823621907	Up
CL6618.Contig1	4.524205311	1.029682317	23.6932567	0.817868311	Up
Unigene19348	3.575016223	30.75104827	366.4772697	0.827034754	Up
Unigene26532	7.295622694	0.03	4.713272209	0.806155633	Up
Unigene16553	3.114494651	4159.547123	36024.86483	0.817653891	Up
Unigene21299	5.656218007	0.462551157	23.32657912	0.891461926	Up
Unigene4720	5.074056943	2.592923577	87.3439958	0.899898746	Up
Unigene7891	7.705114204	0.03	6.260251055	0.844745228	Up
Unigene7785	5.944389782	1.248973998	76.91180916	0.937142262	Up
CL2244.Contig3	8.006291112	0.03	7.713563042	0.868673874	Up
Unigene33559	7.470949815	0.03	5.322323218	0.823392597	Up
Unigene31813	7.365493598	0.03	4.947157768	0.813383365	Up
Unigene15443	3.463406592	338.1744908	3730.182809	0.82736234	Up
CL10519.Contig2	3.932455983	2.423633565	37.00446808	0.809747163	Up
Unigene302	4.192099353	1.58006608	28.8817098	0.809809702	Up
CL1174.Contig2	8.888795427	0.03	14.22051431	0.920965484	Up
Unigene20510	3.58381571	3.32776004	39.90139047	0.801459245	Up
Unigene17653	2.998320545	2408.805908	19248.02741	0.813830072	Up
CL1874.Contig5	5.217340772	0.226503939	8.426589326	0.809613151	Up
Unigene11658	7.705396045	0.03	6.26147416	0.844745228	Up
CL9472.Contig2	4.558304731	1.847734275	43.53373889	0.842145388	Up
Unigene13093	4.123390733	2.944535524	51.31934356	0.824667203	Up
Unigene13805	6.018899576	0.722783766	46.86813828	0.932058727	Up
Unigene35142	5.675359165	0.308058117	15.74294585	0.871392835	Up
Unigene8398	8.773598491	0.03	13.12917903	0.915429286	Up
CL1751.Contig1	3.753590486	7553.511321	101880.7685	0.83576938	Up
CL9322.Contig7	5.16263028	0.258080547	9.244040535	0.814931952	Up
CL1751.Contig2	3.543251092	5110.661964	59580.20827	0.829843057	Up
CL4581.Contig1	5.648071072	17.42182548	873.6399178	0.938011853	Up
Unigene6314	5.079258166	4.31912988	146.0176408	0.906253909	Up
Unigene13866	4.033260665	493.869605	8086.204844	0.844087078	Up
CL2003.Contig2	8.473515641	0.03	10.66359473	0.898978528	Up
CL323.Contig1	3.902688072	13.58935215	203.2473661	0.834051044	Up
Unigene36782	7.934805933	0.03	7.340672528	0.863474195	Up
Unigene1563	4.538720982	1.442101784	33.51869269	0.832946187	Up
Unigene2437	8.594853698	0.121111056	46.8265933	0.971747223	Up
Unigene21823	4.016618983	9.309966129	150.6853031	0.835849787	Up
Unigene24821	10.78838081	0.03	53.05758568	0.976812889	Up
Unigene22607	3.309352939	12.9025227	127.9054743	0.81378838	Up

Unigene13898	7. 572686402	0. 03	5. 711195272	0. 832853867	Up
Unigene34011	9. 498808989	0. 03	21. 70439494	0. 94568927	Up
CL903. Contig1	4. 308442549	11. 13237748	220. 5760555	0. 849152744	Up
Unigene5835	3. 504249736	7. 777961348	88. 2571834	0. 815310164	Up
Unigene8652	2. 866255859	57. 42454676	418. 722757	0. 806110962	Up
CL7027. Contig1	7. 712654218	1. 152169432	241. 6888497	0. 987754251	Up
Unigene19444	6. 217293107	4. 31047809	320. 7134393	0. 962285953	Up
Unigene2132	6. 526306605	0. 280598403	25. 86421155	0. 929729891	Up
Unigene35660	11. 40068238	0. 03	81. 10892079	0. 984392031	Up
CL10274. Contig1	8. 180290214	2. 469662047	716. 3912214	0. 99345722	Up
CL10476. Contig2	8. 73240288	0. 03	12. 75958225	0. 913273177	Up
CL708. Contig2	5. 303896865	3. 333081821	131. 6673289	0. 919670032	Up
CL10547. Contig2	6. 530845717	0. 157432369	14. 55708741	0. 899606897	Up
Unigene3730	3. 259429206	16. 47289152	157. 7450711	0. 814282736	Up
Unigene34243	10. 10419567	0. 03	33. 02077277	0. 963500998	Up
CL5743. Contig1	3. 033072533	94. 54565266	773. 9045065	0. 813276155	Up
CL7027. Contig2	7. 108823963	0. 822826941	113. 5736935	0. 976244081	Up
Unigene34958	7. 68892655	0. 03	6. 190400976	0. 843032848	Up
CL10274. Contig2	5. 697555977	82. 24301534	4268. 09695	0. 94145448	Up
CL7769. Contig1	5. 914274712	0. 2333511	14. 0729111	0. 874287501	Up
CL3205. Contig2	7. 527328626	2. 701394649	498. 3560544	0. 988909735	Up
Unigene9674	8. 077437461	0. 03	8. 103492202	0. 87386164	Up
CL2668. Contig3	7. 553302866	4. 026267044	756. 2637871	0. 990065219	Up
CL3601. Contig4	4. 74992162	0. 503347917	13. 54369484	0. 803359242	Up
CL6942. Contig1	3. 348744279	8. 028738101	81. 79368358	0. 8100271	Up
CL1568. Contig2	5. 471742503	0. 427154574	18. 95586831	0. 874695494	Up
CL10274. Contig4	2. 716432918	534. 7050621	3514. 326322	0. 803665982	Up
CL9052. Contig1	6. 479911236	0. 307208279	27. 42082812	0. 930849638	Up
CL10274. Contig3	3. 583364539	5. 493219124	65. 84565695	0. 812903898	Up
CL1445. Contig1	4. 698976271	21. 87756115	568. 2398837	0. 87594032	Up
Unigene32934	7. 566383144	0. 03	5. 686297001	0. 832853867	Up
Unigene7710	4. 77258399	6. 191055338	169. 2215324	0. 876890318	Up
CL10476. Contig4	8. 751765048	0. 03	12. 93198074	0. 914297626	Up
CL1054. Contig1	8. 890393914	0. 722998157	343. 0934535	0. 993373835	Up
Unigene4612	4. 353455923	1. 126996656	23. 03792951	0. 807409393	Up
CL10476. Contig3	4. 236029443	5. 923434121	111. 6208917	0. 841061378	Up
Unigene31779	4. 662211341	0. 799670047	20. 24772755	0. 820125674	Up
Unigene29433	5. 986131768	0. 355054285	22. 50608621	0. 90450877	Up
Unigene2106	4. 194857933	2. 428273243	44. 47086939	0. 823848238	Up
Unigene33708	5. 348680782	0. 277040746	11. 28903969	0. 837708091	Up
Unigene34490	5. 369726084	0. 252447341	10. 43805114	0. 832264213	Up
Unigene16656	4. 953292886	15. 08039153	467. 1994826	0. 897322731	Up
Unigene5953	4. 23939165	11. 04773842	208. 6687587	0. 845853063	Up
CL6380. Contig1	5. 150478925	0. 225876729	8. 022692357	0. 800628369	Up
Unigene14714	3. 919404943	7. 022336405	106. 2527266	0. 829586944	Up
Unigene35321	4. 984933145	0. 851940422	26. 97886208	0. 861201942	Up

Unigene12761	5.039398142	1.12291866	36.92821364	0.878775425	Up
CL2677.Contig2	9.302420139	0.03	18.94212721	0.93855088	Up
CL10518.Contig1	6.790861999	1.587565095	175.7861683	0.974492987	Up
Unigene35090	8.824314056	0.03	13.59892181	0.917829596	Up
Unigene12489	3.351883361	8.705151101	88.87789238	0.811108133	Up
Unigene14130	10.88421225	0.03	56.70163997	0.978212573	Up
Unigene4197	2.742225815	86.84937663	581.1107783	0.801751094	Up
Unigene2022	6.445531988	101.2722319	8826.506545	0.97205694	Up
Unigene11091	4.732941041	5.821751075	154.8142214	0.873170732	Up
CL1527.Contig1	3.036120296	21.34088943	175.055514	0.808436821	Up
CL2840.Contig1	4.023677374	3.281943554	53.38001481	0.822138837	Up
CL9496.Contig1	7.375076894	0.309623195	51.39878506	0.967574972	Up
Unigene14298	4.311125695	3.253822562	64.59100106	0.83680872	Up
Unigene29705	7.228822803	0.230960105	34.64411453	0.95510587	Up
CL4435.Contig1	2.822694252	189.2204768	1338.701564	0.806268799	Up
Unigene17489	4.502458525	18.43545989	417.8583125	0.861350844	Up
CL6696.Contig3	4.622897274	5.02254576	123.7526902	0.86281009	Up
CL708.Contig1	4.657321611	3.051407258	77.00052376	0.860356175	Up
CL3950.Contig2	7.324248898	0.03	4.807727773	0.808871616	Up
Unigene1867	7.023205872	0.141405105	18.39334519	0.924399178	Up
Unigene4883	8.038174315	0.03	7.88592848	0.871157569	Up
Unigene35668	4.899608345	2.248730945	67.12226068	0.878191727	Up
CL6801.Contig1	7.384841048	0.03	5.01394913	0.815054052	Up
CL3205.Contig1	7.240948057	0.965208664	146.0036704	0.980458024	Up
CL1054.Contig2	7.389824146	2.754414349	461.9425877	0.9873135	Up
CL1289.Contig4	5.338433938	1.57954833	63.9089473	0.911533994	Up
CL10297.Contig2	4.94780066	1.143944394	35.30541539	0.867854909	Up
Unigene32942	9.175221532	0.03	17.34355624	0.933589446	Up
Unigene29955	4.638547763	1.09486998	27.27121963	0.832061705	Up
Unigene31872	5.496225442	0.232270416	10.48389396	0.836451354	Up
Unigene32172	8.344493568	0.03	9.751335916	0.891524465	Up
Unigene10098	6.206567324	0.344558234	25.44635419	0.921287114	Up
Unigene3874	3.005946659	32.56039983	261.5591027	0.809401709	Up
CL9075.Contig1	6.350251894	3.08556312	251.7391348	0.964456952	Up
Unigene11219	5.337427326	0.456891737	18.47306797	0.869674499	Up
CL4947.Contig1	5.739739106	0.387380188	20.70003326	0.888927604	Up
Unigene34226	4.369139561	49.55213753	1024.01061	0.856311981	Up
Unigene33462	8.214516132	0.03	8.91121681	0.883069776	Up
Unigene6837	4.044255129	2.077334848	34.27272296	0.810825218	Up
CL3598.Contig1	4.274407695	2.640594186	51.1006698	0.830596504	Up
CL4141.Contig1	4.489391312	1.075225869	24.15133554	0.816945115	Up
Unigene30946	7.282140195	0.03	4.669430181	0.805134161	Up
Unigene17908	8.330019065	0.03	9.653990289	0.890699544	Up
CL1557.Contig2	6.650395918	3.490654631	350.6513665	0.973834837	Up
Unigene15594	7.384212264	0.386821507	64.62194094	0.971952709	Up
Unigene20031	4.894065814	0.583720199	17.35662707	0.830944936	Up

Unigene6344	4. 199727231	362. 2593703	6656. 769179	0. 850052116	Up
Unigene29943	7. 499710584	0. 03	5. 429490771	0. 826355758	Up
Unigene35681	5. 250499648	0. 37863304	14. 41373041	0. 852833616	Up
Unigene24738	4. 665602123	1. 885707425	47. 85865595	0. 852279699	Up
CL7464. Contig1	8. 208882115	0. 03	8. 876484566	0. 88274219	Up
CL2840. Contig2	3. 97070495	8. 607368236	134. 9496234	0. 833306531	Up
Unigene3663	4. 21257076	2. 414283691	44. 76086373	0. 824860776	Up
Unigene12573	3. 440124227	16304. 80806	176968. 623	0. 827046666	Up
CL9510. Contig2	7. 796202271	0. 03	6. 668251794	0. 852190357	Up
Unigene1611	3. 489414765	12. 93050233	145. 2224998	0. 820125674	Up
CL1557. Contig1	6. 860754818	4. 085883674	474. 8746552	0. 979743292	Up
Unigene1469	3. 100526175	140. 2361019	1202. 849279	0. 816045743	Up
Unigene2584	5. 495714128	3. 581349401	161. 5926092	0. 926885851	Up
CL2668. Contig2	7. 208862309	0. 635911299	94. 07632231	0. 975675273	Up
Unigene11461	3. 094318434	72. 35969024	617. 9870347	0. 814646059	Up
CL6874. Contig1	3. 675626924	30. 01682515	383. 5647713	0. 830176598	Up
CL6544. Contig3	5. 233138093	0. 326150156	12. 26730401	0. 841165609	Up
CL6167. Contig2	7. 501330653	0. 03	5. 435591222	0. 826355758	Up
CL2840. Contig4	3. 800719008	3. 793061773	52. 85917031	0. 815134459	Up
CL4045. Contig1	3. 130472061	174. 9318839	1531. 916042	0. 817156556	Up
Unigene13836	4. 156404674	2. 65496378	47. 34357854	0. 824226451	Up
Unigene23483	7. 325063113	0. 03	4. 81044188	0. 808892463	Up
Unigene4282	4. 592325856	90. 11662982	2173. 86602	0. 870097382	Up
Unigene34412	6. 820790128	0. 190027547	21. 4822114	0. 929125346	Up
Unigene19597	2. 996352994	28. 13009561	224. 4726	0. 808231335	Up
CL4269. Contig3	3. 352156801	9. 293201699	94. 8997592	0. 811944966	Up
Unigene11899	6. 765886505	0. 270209098	29. 40591873	0. 941817803	Up
Unigene32365	8. 625271771	0. 03	11. 84641053	0. 907591054	Up
CL6338. Contig1	4. 066043578	2. 317299345	38. 81353686	0. 815673486	Up
CL912. Contig3	7. 301858089	0. 03	4. 733687276	0. 806977575	Up
CL9997. Contig1	3. 209808699	23. 83322705	220. 5116552	0. 814824742	Up
Unigene2095	3. 037211798	4874. 246128	40012. 83375	0. 815470979	Up
CL7351. Contig1	7. 49898082	0. 055488616	10. 03741904	0. 889499389	Up
CL9510. Contig1	8. 323354526	0. 03	9. 609496471	0. 890142649	Up
CL9945. Contig1	5. 186637668	0. 428693979	15. 61280367	0. 855749129	Up
CL10547. Contig1	8. 874341363	0. 03	14. 07875323	0. 920295423	Up
Unigene11817	9. 688882915	0. 03	24. 76085499	0. 951922332	Up
Unigene12990	5. 344332368	5. 502245514	223. 5343732	0. 924071592	Up
Unigene31845	10. 13570623	0. 03	33. 74992849	0. 964275291	Up
Unigene31921	8. 847990318	0. 03	13. 82393687	0. 919050597	Up
Unigene5850	4. 98347568	1. 276603777	40. 38608801	0. 875061795	Up
Unigene12619	8. 402887343	0. 03	10. 15412243	0. 895014741	Up
CL6167. Contig1	9. 754652624	0. 03	25. 91578043	0. 95395932	Up
Unigene19135	5. 429790844	0. 408358375	17. 60237957	0. 869409452	Up
CL6909. Contig1	4. 366478171	9. 18667551	189. 495666	0. 851234402	Up
Unigene31842	8. 861261802	0. 03	13. 95169124	0. 919696834	Up

Unigene16585	3. 294119513	533. 2996685	5231. 185209	0. 82245451	Up
CL6874. Contig3	5. 096313476	82. 77576173	2831. 694579	0. 916647309	Up
Unigene32232	7. 309728428	0. 03	4. 759581542	0. 807915662	Up
Unigene7200	3. 713829418	15. 85581841	208. 0476032	0. 828619077	Up
Unigene34966	8. 521263151	0. 03	11. 02242276	0. 901801721	Up
CL10085. Contig1	4. 596417854	1. 363201501	32. 97764985	0. 836341166	Up
Unigene5169	5. 41921045	0. 954334137	40. 83620331	0. 903788082	Up
Unigene35870	8. 648642999	0. 03	12. 03988169	0. 908815033	Up
Unigene17233	2. 978673735	41290. 05585	325473. 4832	0. 81334465	Up
CL7464. Contig2	7. 931122857	0. 03	7. 321956326	0. 86308407	Up
Unigene7440	7. 927281628	0. 03	7. 302487274	0. 862670121	Up
Unigene36471	5. 326965297	0. 429287869	17. 23157427	0. 865502248	Up
Unigene13041	6. 249463233	0. 332105361	25. 26688922	0. 922001846	Up
Unigene450	2. 981291016	48. 85774307	385. 82594	0. 809642932	Up
Unigene7377	8. 549516037	0. 03	11. 24040684	0. 903514101	Up
Unigene15363	3. 250129484	17. 16720428	163. 3375509	0. 814255934	Up
Unigene35409	5. 300870104	0. 317178583	12. 50330309	0. 844152595	Up
Unigene9639	7. 33246582	0. 190027547	30. 62730033	0. 951964025	Up
Unigene32084	7. 339839001	0. 03	4. 859962938	0. 810732899	Up
Unigene30490	7. 452555851	0. 03	5. 254895817	0. 821867834	Up
CL4679. Contig4	4. 731833751	0. 993828708	26. 40799514	0. 837654486	Up
CL9129. Contig2	7. 219069264	6. 400715854	953. 6410502	0. 987081211	Up
CL10285. Contig1	2. 905182191	15. 8125767	118. 4539719	0. 800452664	Up
Unigene30081	5. 52963312	0. 238374039	11. 01144689	0. 840945234	Up
Unigene8	3. 317439089	10. 24772454	102. 1588787	0. 811882427	Up
Unigene2819	6. 974578555	1. 474723524	185. 4675607	0. 977819471	Up
CL396. Contig1	-7. 891997311	7. 126055016	0. 03	0. 86030257	Down
Unigene5439	-7. 348733006	4. 890016445	0. 03	0. 811611424	Down
Unigene29251	-7. 782874031	6. 606931293	0. 03	0. 85110039	Down
Unigene31806	-6. 00944587	184. 4965237	2. 86394533	0. 949325471	Down
Unigene19140	-5. 859843797	83. 27734499	1. 433963569	0. 934396498	Down
Unigene24103	-4. 918387255	11. 37441544	0. 376137811	0. 805914411	Down
Unigene2633	-4. 703048398	46. 04665847	1. 767825853	0. 853569195	Down
CL9563. Contig5	-3. 969225318	32. 72234441	2. 089240957	0. 806870365	Down
CL5701. Contig1	-6. 561457702	66. 87910343	0. 708100431	0. 95752107	Down
CL10107. Contig2	-7. 62390026	5. 917576988	0. 03	0. 837395396	Down
CL9981. Contig2	-9. 655732473	24. 19838372	0. 03	0. 950990202	Down
CL2141. Contig1	-6. 786067529	5. 553568369	0. 050322504	0. 81898508	Down
Unigene11434	-4. 465061246	20. 65385917	0. 935155525	0. 808484469	Down
Unigene14108	-4. 741432687	18. 06834915	0. 675468363	0. 820325203	Down
Unigene4659	-5. 646956045	24. 90033541	0. 496937812	0. 893957533	Down
Unigene551	-3. 723304059	85. 03805072	6. 438535458	0. 821069716	Down
Unigene20203	-5. 201276545	8. 682238553	0. 235988836	0. 811697787	Down
Unigene32201	-7. 897988592	7. 155709914	0. 03	0. 860785014	Down
Unigene18080	-4. 106639073	33. 50459421	1. 944835261	0. 812457191	Down
Unigene18608	-3. 899573392	64. 85579994	4. 345705174	0. 822109056	Down

Unigene14986	-4.88773507	11.1706511	0.377331985	0.801432443	Down
Unigene30513	-5.27569022	12.97823553	0.335023019	0.846344441	Down
Unigene20963	-8.323022776	199.0790459	0.621650147	0.989648292	Down
Unigene34573	-9.85461834	27.77518567	0.03	0.956788469	Down
CL10312. Contig1	-6.742726599	91.08648384	0.850532628	0.967393311	Down
Unigene10669	-5.242053432	12.48584994	0.329915553	0.84270824	Down
CL10405. Contig1	-13.31381341	1819.553023	0.178692993	0.999058936	Down
Unigene9227	-4.010463964	79.93829589	4.960037229	0.828797761	Down
Unigene14390	-6.33066503	190.4008987	2.365641485	0.962586736	Down
Unigene2090	-7.769350488	69.00046551	0.316260153	0.976273862	Down
Unigene29156	-7.320727247	4.796006313	0.03	0.808871616	Down
CL6651. Contig1	-6.244278468	219.1298908	2.890590042	0.961249591	Down
Unigene32830	-5.386303192	17.9851239	0.430006091	0.86941243	Down
CL5158. Contig2	-9.725883854	25.40411261	0.03	0.95305697	Down
Unigene33707	-8.820553678	13.56352244	0.03	0.917686649	Down
Unigene19023	-5.245596079	1305.772321	34.418005	0.926617827	Down
Unigene10373	-5.973723565	356.1859202	5.667698889	0.949921082	Down
CL9300. Contig1	-3.491882718	233.7969165	20.78152144	0.823044165	Down
Unigene30342	-8.126393483	8.38319271	0.03	0.877182167	Down
CL1050. Contig2	-3.603268727	55.20329281	4.542270718	0.810262366	Down
Unigene13431	-2.881227509	167.5263441	22.7377353	0.802340749	Down
Unigene24129	-7.898079734	7.156161986	0.03	0.860785014	Down
Unigene11989	-5.088158872	10.34025694	0.303978514	0.816763453	Down
Unigene2601	-8.765447179	615.2339444	1.413766747	0.994827124	Down
CL2056. Contig1	-7.893590372	7.133928138	0.03	0.86030257	Down
Unigene29779	-7.821927288	6.788221302	0.03	0.854394115	Down
CL8340. Contig1	-7.963597399	242.149105	0.970065765	0.98919265	Down
Unigene3851	-4.309153267	47.20254029	2.381118352	0.830414843	Down
CL8054. Contig2	-7.500564759	5.432706358	0.03	0.826355758	Down
Unigene19311	-6.047142889	459.3207957	6.946158852	0.955326246	Down
CL8937. Contig1	-9.534341209	22.24559096	0.03	0.946919205	Down
Unigene2329	-3.487070579	238.3531819	21.25730053	0.82314244	Down
Unigene15868	-4.449141486	96.56685486	4.420822161	0.849641145	Down
CL6816. Contig1	-4.679392075	567.9673054	22.16593016	0.874498943	Down
CL4321. Contig1	-7.778774146	35.4312354	0.161339961	0.960713541	Down
Unigene30227	-7.280219944	4.663219226	0.03	0.804225855	Down
Unigene10784	-6.077866205	88.0537543	1.303550439	0.946669049	Down
CL3759. Contig1	-10.03738116	153.9688552	0.14651432	0.990779952	Down
CL3753. Contig2	-10.07142287	32.2791163	0.03	0.962795199	Down
Unigene10256	-10.89387063	894.0139693	0.469853512	0.997650317	Down
Unigene21210	-4.569979651	23.37805007	0.984254321	0.820614074	Down
CL7856. Contig2	-5.587195842	44.37228832	0.922992743	0.91149528	Down
Unigene6439	-7.360269005	152.6619564	0.929114156	0.982084041	Down
Unigene8515	-5.645061666	19.89393387	0.39754636	0.883436076	Down
CL2776. Contig1	-4.957066185	11.15260949	0.359046654	0.808112213	Down
Unigene13487	-4.083606832	397.5368103	23.44710357	0.842419369	Down

Unigene13147	-6.932102884	85.45858773	0.699817519	0.969927633	Down
Unigene33433	-9.295738827	18.85460652	0.03	0.938324548	Down
Unigene35785	-10.23713679	36.20816358	0.03	0.966651776	Down
Unigene27654	-7.248929584	4.563168397	0.03	0.801271628	Down
Unigene19282	-2.888566035	932.3072513	125.8966115	0.808573811	Down
Unigene18741	-5.050793941	249.1041613	7.515199333	0.905929301	Down
Unigene2093	-3.12882626	142.1943671	16.25593063	0.809395753	Down
Unigene30679	-7.471941347	5.325982387	0.03	0.824098395	Down
Unigene33295	-10.30749134	38.01765529	0.03	0.968111022	Down
CL5408.Contig3	-3.088551844	214.1093978	25.17033418	0.811224277	Down
CL8356.Contig3	-4.535788634	47.43865788	2.045144322	0.84290777	Down
Unigene5077	-7.605137481	5.841115014	0.03	0.836123768	Down
CL10083.Contig2	-6.638910784	8.119362794	0.081472429	0.856609786	Down
CL4607.Contig3	-3.476465102	4184.633944	375.9561546	0.828071116	Down
Unigene35827	-5.261182479	11.32652203	0.295340384	0.835995712	Down
Unigene18845	-4.36599207	490.1467902	23.77013176	0.854840823	Down
CL5957.Contig1	-9.035461979	15.74223296	0.03	0.927746508	Down
CL4968.Contig1	-8.515840696	40.91843785	0.111788096	0.968018702	Down
CL3818.Contig3	-5.108773007	11.46983068	0.332401588	0.827007951	Down
Unigene27351	-7.253193483	4.576674832	0.03	0.802156109	Down
Unigene12649	-3.675903267	137.4986207	10.75823922	0.824985854	Down
Unigene19142	-4.385503749	39.32649841	1.88155581	0.829426129	Down
Unigene5220	-9.485212524	21.50080596	0.03	0.945260431	Down
CL1050.Contig1	-3.335892175	49.44281174	4.896655533	0.800285893	Down
Unigene9479	-5.422106095	12.20985192	0.284769729	0.845579082	Down
Unigene5598	-7.472919553	5.329594847	0.03	0.824098395	Down
Unigene7693	-5.154740694	8.061831808	0.226309177	0.800973823	Down
Unigene36025	-7.288473566	4.689973844	0.03	0.805190744	Down
Unigene3980	-8.919365966	14.52506059	0.03	0.922478335	Down
CL8355.Contig2	-6.436403209	10.07752881	0.116359975	0.870243307	Down
Unigene3747	-3.56114138	120.8346081	10.23719471	0.820256708	Down
CL7792.Contig1	-4.156921902	42.50254778	2.382630968	0.82143006	Down
Unigene4876	-6.180367797	46.50380236	0.641227845	0.940608714	Down
Unigene21454	-5.008533378	15.40829084	0.478669423	0.836192263	Down
CL3759.Contig4	-8.876287121	63.64748428	0.135441754	0.978709908	Down
CL9729.Contig1	-3.879149762	50.59948513	3.438790052	0.816519253	Down
Unigene4572	-4.45417774	23.82700347	1.086996942	0.814115965	Down
Unigene5452	-5.094134722	10.49348509	0.307207912	0.817951696	Down
CL8831.Contig2	-7.610496429	5.862852412	0.03	0.836123768	Down
Unigene15742	-7.520764509	5.509306858	0.03	0.828711397	Down
Unigene32303	-8.484311754	10.74369289	0.03	0.899594985	Down
CL5515.Contig1	-7.60647339	34.24703188	0.175730153	0.958351946	Down
Unigene7094	-6.394267904	62.13329036	0.738682675	0.951746627	Down
CL4873.Contig2	-7.075691325	16.22970538	0.120313762	0.918398404	Down
Unigene36756	-8.443249417	10.44221402	0.03	0.897456744	Down
Unigene25777	-8.612130719	11.73899528	0.03	0.906885256	Down

CL5515. Contig2	-5. 673690324	140. 9963206	2. 762210718	0. 931927693	Down
Unigene570	-6. 932671218	51. 4430952	0. 421099867	0. 961270437	Down
Unigene35039	-7. 928175365	103. 7242737	0. 425855055	0. 982632002	Down
Unigene1077	-7. 729537385	6. 367132097	0. 03	0. 846517168	Down
CL396. Contig2	-7. 464816275	5. 299743679	0. 03	0. 823336014	Down
Unigene10206	-4. 260252953	253. 3607959	13. 22134039	0. 847756038	Down
Unigene2618	-4. 867853531	375. 5227169	12. 86074973	0. 889222431	Down
Unigene2751	-10. 59646769	747. 4572319	0. 482760496	0. 997120224	Down
Unigene14981	-5. 415021183	407. 0466255	9. 540263181	0. 928482087	Down
Unigene12562	-3. 22809112	73. 62914752	7. 857737497	0. 80473808	Down
CL6593. Contig2	-3. 681319	81. 25118546	6. 333477957	0. 819294797	Down
Unigene15578	-4. 838136693	12. 61471058	0. 441014657	0. 806334316	Down
Unigene8043	-7. 872227386	1284. 299867	5. 481379381	0. 993218976	Down
Unigene19937	-7. 311370765	117. 7084858	0. 741081315	0. 979132791	Down
Unigene4153	-3. 317925255	57. 60058704	5. 776062508	0. 803031657	Down
Unigene12552	-6. 397670856	1229. 201395	14. 57915034	0. 969796599	Down
CL5314. Contig1	-5. 499655646	11. 47614779	0. 253649971	0. 843321719	Down
Unigene33041	-10. 67666103	49. 10395542	0. 03	0. 975124334	Down
Unigene20758	-5. 563090242	15. 84591246	0. 335166204	0. 867429048	Down
Unigene10664	-3. 98062626	104. 3208221	6. 608198731	0. 831159356	Down
Unigene1938	-9. 117386932	527. 5812657	0. 949909906	0. 995092171	Down
Unigene6087	-4. 338146792	26. 87884243	1. 328918206	0. 813541201	Down
CL2997. Contig5	-6. 689124767	161. 7290919	1. 567331811	0. 971550672	Down
Unigene12736	-7. 347725853	4. 886603891	0. 03	0. 811611424	Down
Unigene16805	-6. 181670029	302. 9673364	4. 173762249	0. 960987522	Down
Unigene36436	-6. 500128688	22. 21338673	0. 245403678	0. 922091188	Down
Unigene2081	-4. 629348344	33. 2555049	1. 343664471	0. 838762322	Down
CL7962. Contig2	-4. 531308785	418. 1593324	18. 08347665	0. 863218083	Down
Unigene31281	-9. 826207308	27. 23355884	0. 03	0. 956032044	Down
Unigene3766	-6. 68232872	222. 2366562	2. 163885658	0. 973069478	Down
Unigene9973	-7. 902113577	7. 176198952	0. 03	0. 860785014	Down
Unigene33284	-8. 095816376	8. 207385325	0. 03	0. 875460854	Down
Unigene16579	-6. 313550434	1423. 257406	17. 89432796	0. 967840019	Down
CL2303. Contig3	-5. 457050779	121. 4026534	2. 763708324	0. 923231782	Down
Unigene11548	-7. 5178544	5. 498205046	0. 03	0. 827978796	Down
CL8962. Contig3	-2. 954618011	128. 9607219	16. 63522995	0. 802945293	Down
Unigene33563	-10. 12487579	33. 49751331	0. 03	0. 963998332	Down
Unigene20949	-6. 1055762	57. 00353897	0. 827828248	0. 94131749	Down
Unigene36461	-7. 624499086	5. 920033737	0. 03	0. 837395396	Down
CL9981. Contig1	-6. 828235899	33. 80011622	0. 297450272	0. 947931743	Down
CL5223. Contig2	-6. 424066882	8. 374949672	0. 097531607	0. 853557283	Down
CL546. Contig3	-4. 112558717	82. 42749206	4. 765061975	0. 832651359	Down
Unigene21285	-3. 754100882	64. 71452409	4. 796282881	0. 81757944	Down
Unigene10269	-3. 700560008	1230. 199756	94. 62286061	0. 83315465	Down
Unigene5279	-8. 001923807	7. 690247968	0. 03	0. 86826588	Down
Unigene18784	-2. 968281341	272. 3829478	34. 80472418	0. 808064564	Down

Unigene16444	-7.964297028	7.492272325	0.03	0.865660085	Down
CL8757.Contigl	-7.927846907	7.305349105	0.03	0.86308407	Down
Unigene4573	-3.128536977	260.0245824	29.73246628	0.813106406	Down
CL4876.Contig2	-5.427430485	4627.566017	107.5308919	0.932046815	Down
Unigene36234	-8.191428418	8.769743998	0.03	0.881437803	Down
Unigene23418	-10.63587234	47.73510239	0.03	0.974433426	Down
Unigene30743	-8.359781428	9.855217691	0.03	0.892623366	Down
Unigene16691	-4.60817979	76.49170598	3.136274051	0.8565264	Down
Unigene19675	-4.421656369	43.5871899	2.033797331	0.833818756	Down
CL3104.Contig2	-7.352737877	54.53686197	0.333653353	0.968334376	Down
Unigene9918	-5.779914924	112.3333519	2.044470995	0.934214837	Down
Unigene5977	-3.513263195	144.4392406	12.64991455	0.820548557	Down
CL981.Contig2	-3.437653137	121.0473124	11.17167884	0.81693618	Down
Unigene5128	-5.131548012	9.431455235	0.26904742	0.81325233	Down
CL5829.Contig3	-5.51370821	83.1040701	1.818991776	0.920557491	Down
Unigene10276	-9.617625975	17588.48754	22.38899451	0.998880253	Down
Unigene32776	-8.032688745	7.856000688	0.03	0.870749576	Down
Unigene27894	-7.435567622	5.193380508	0.03	0.820179279	Down
Unigene37130	-7.367708991	4.954760427	0.03	0.813383365	Down
CL7849.Contigl	-4.250526474	81.14628697	4.263170347	0.837779565	Down
Unigene37198	-8.10629631	8.267221959	0.03	0.87619941	Down
CL6845.Contigl	-7.308863781	4.756729849	0.03	0.807915662	Down
CL4579.Contig2	-8.76942395	53.95766218	0.123649815	0.975240478	Down
Unigene29355	-7.306231342	4.74805831	0.03	0.807007356	Down
Unigene32148	-8.025912915	7.819190331	0.03	0.870386253	Down
Unigene19408	-3.268521458	167.6798763	17.40034842	0.814967688	Down
Unigene1233	-5.265297288	17.5949282	0.457483125	0.865353346	Down
Unigene14327	-7.610962823	5.864748061	0.03	0.836123768	Down
Unigene35849	-8.337018991	9.700945068	0.03	0.890991393	Down
Unigene16164	-7.759611383	6.50125253	0.03	0.849444593	Down
Unigene20071	-8.092900039	26.22852661	0.096065673	0.951019983	Down
Unigene488	-8.106144052	8.266349505	0.03	0.87619941	Down
Unigene19439	-5.440370234	102.465067	2.35972395	0.920899967	Down
Unigene26203	-5.229932593	8.355494205	0.222641211	0.809354061	Down
Unigene12661	-7.953029609	498.832947	2.013050461	0.991598916	Down
Unigene505	-7.691015308	404.1315057	1.95567374	0.989508324	Down
Unigene34738	-6.381862721	70.69426878	0.847719356	0.953753834	Down
Unigene29227	-3.510949494	59.74158565	5.240535105	0.809142619	Down
Unigene4866	-7.062548818	3221.650002	24.1012361	0.985809583	Down
Unigene3623	-5.869554101	194.1613535	3.320862893	0.942717174	Down
Unigene16771	-6.212151908	19.43451444	0.262137789	0.908475535	Down
CL5713.Contigl	-7.254308779	4.580214264	0.03	0.802156109	Down
CL6702.Contigl	-9.551700135	210.4646758	0.280434192	0.992248131	Down
Unigene33814	-10.37761651	39.91122951	0.03	0.969665565	Down
Unigene4857	-6.998818744	157.785069	1.233705577	0.977244707	Down
Unigene18973	-3.740481624	257.8942944	19.29499041	0.830468448	Down

Unigene30990	-7.974432486	7.545093595	0.03	0.866505852	Down
CL7217.Contig2	-8.782568958	13.21106867	0.03	0.915721135	Down
Unigene35544	-5.014259694	123.2309995	3.813092994	0.896887936	Down
CL543.Contig1	-3.216928743	93.20911886	10.02458394	0.807760803	Down
Unigene30784	-8.556211098	11.29269099	0.03	0.90369874	Down
Unigene18655	-5.757182218	28.30723889	0.523374998	0.903481343	Down
Unigene6975	-5.157771	8.349638234	0.233896583	0.805685101	Down
Unigene3417	-5.25708074	9.201467325	0.24061245	0.818898716	Down
Unigene14942	-4.425480324	1088.936469	50.67575409	0.859415111	Down
Unigene10553	-5.721074039	40.16802665	0.761492453	0.91381816	Down
Unigene11197	-5.847086106	676.7875557	11.75720416	0.94567438	Down
Unigene12188	-5.332914809	27.831335	0.690504824	0.888468984	Down
Unigene9048	-4.593444053	55.1358249	2.283859763	0.849575628	Down
Unigene28434	-4.803958709	14.34894413	0.513670086	0.811465499	Down
CL10646.Contig2	-7.378605887	4.99232618	0.03	0.814205307	Down
Unigene5834	-8.456717671	1064.272879	3.029195559	0.995267876	Down
Unigene10705	-9.382235019	3208.377956	4.807854947	0.998189345	Down
Unigene31334	-8.917381569	14.50509541	0.03	0.922478335	Down
Unigene10410	-5.9526711	45.08544824	0.727953832	0.927365318	Down
Unigene5650	-10.92680334	58.40053401	0.03	0.978849876	Down
CL9300.Contig2	-3.388830411	289.2643172	27.61564936	0.821096519	Down
Unigene15356	-6.987739784	76.81471763	0.60523657	0.96938265	Down
CL7856.Contig1	-3.577436739	79.81278738	6.685851285	0.816007028	Down
Unigene30318	-8.447286892	10.47147816	0.03	0.897665207	Down
Unigene16301	-9.943132883	29.53265577	0.03	0.959358528	Down
Unigene8002	-5.129529014	1173.285586	33.5167298	0.918996992	Down
Unigene1091	-8.249847859	9.132147552	0.03	0.885455195	Down
Unigene13086	-8.390351084	1200.959993	3.57916063	0.995279788	Down
Unigene12782	-8.977029818	115.9557408	0.230110803	0.986982936	Down
Unigene16758	-3.210293669	221.7668021	23.96082927	0.814848566	Down
CL10486.Contig2	-8.65185339	12.06670355	0.03	0.909068168	Down
CL1427.Contig4	-11.23744086	319.9636463	0.132523795	0.994886685	Down
CL7714.Contig2	-7.853463933	194.3404143	0.840301059	0.98748027	Down
Unigene7812	-5.247696565	13.46510893	0.3544017	0.84824146	Down
CL4078.Contig1	-5.251338025	11.79047115	0.309542936	0.838714673	Down
Unigene1746	-5.898352124	511.614524	8.577524173	0.947565443	Down
CL6400.Contig3	-5.022865713	33.86758207	1.04171987	0.87386164	Down
Unigene16863	-3.562964834	86.2738676	7.299951572	0.816492451	Down
CL3161.Contig1	-9.742448835	25.69748287	0.03	0.953554305	Down
Unigene2854	-8.440975656	10.42576952	0.03	0.897456744	Down
Unigene8177	-5.894818742	37.89273227	0.636852211	0.919544954	Down
Unigene10724	-5.540538227	293.1182999	6.297595101	0.931141487	Down
CL9585.Contig2	-7.901909107	114.2802858	0.477814862	0.983498615	Down
Unigene35611	-8.246410844	9.110417406	0.03	0.885455195	Down
Unigene20215	-7.532257342	5.55337051	0.03	0.829461866	Down
Unigene11236	-3.735592985	1118.660437	83.97939446	0.834104649	Down

Unigene32930	-9.728095676	25.44308999	0.03	0.953104619	Down
Unigene10219	-3.188513704	3572.612936	391.8751278	0.819836803	Down
CL7849.Contig2	-4.729946404	13.20117223	0.49745838	0.800119122	Down
Unigene28792	-8.009429453	7.730360869	0.03	0.869117603	Down
Unigene14149	-6.761969319	18.37527384	0.169308291	0.920128652	Down
Unigene29134	-9.26538731	18.46208544	0.03	0.937154174	Down
Unigene18834	-4.49946024	24.18083529	1.069051931	0.817582418	Down
Unigene2620	-5.549342993	24.24274875	0.517682118	0.889195628	Down
CL5352.Contig1	-5.343607437	11.4699577	0.282472187	0.838726585	Down
CL4150.Contig2	-4.676739602	30.7986604	1.204184201	0.839855267	Down
Unigene37908	-7.543302808	5.596051033	0.03	0.830804967	Down
Unigene6447	-13.12921116	5154.969961	0.575360124	0.999583073	Down
Unigene4202	-12.05627271	832.1410949	0.195387712	0.997659251	Down
Unigene9254	-2.821816667	407.2617227	57.59995376	0.803829775	Down
Unigene15348	-7.199373056	633.9567033	4.313525389	0.98595253	Down
Unigene32124	-7.434558459	5.189749019	0.03	0.820140564	Down
Unigene19108	-3.399472708	372.0235257	35.25552204	0.822380059	Down
CL10011.Contig2	-4.298356426	21.99048719	1.11763665	0.80288871	Down
Unigene17576	-5.948527176	392.5531448	6.356431203	0.949349296	Down
CL4976.Contig2	-11.60637406	93.53798041	0.03	0.986274159	Down
Unigene10221	-3.318687289	288.2952421	28.89435836	0.819083356	Down
Unigene2419	-4.522012137	39.76219076	1.730649059	0.836871259	Down
Unigene25719	-8.200009907	8.822063946	0.03	0.882095953	Down
Unigene6836	-8.437012993	307.4331812	0.887067676	0.991956282	Down
CL3730.Contig2	-7.656489302	6.052770342	0.03	0.840611692	Down
Unigene21491	-5.147423787	8.672610468	0.244692625	0.807924596	Down
CL1934.Contig7	-3.976392712	256.1112304	16.2710336	0.837594925	Down
Unigene14479	-3.822970578	794.6253378	56.14790967	0.835715775	Down
Unigene22368	-7.380497406	4.998875917	0.03	0.815054052	Down
Unigene29285	-3.878939635	35.41214534	2.40699427	0.806703595	Down
CL1673.Contig2	-6.373261002	5.737481245	0.069211545	0.811796063	Down
CL3265.Contig1	-9.18578497	17.4710121	0.03	0.934006373	Down
Unigene5829	-11.8202846	1107.017223	0.306121729	0.998219125	Down
CL4625.Contig2	-10.62307763	47.31362992	0.03	0.974177313	Down
Unigene33094	-4.775396283	12.98149173	0.474009536	0.802978052	Down
CL10434.Contig2	-6.4875742	14.0548898	0.156629302	0.896119599	Down
Unigene4360	-7.403406918	42.11019085	0.248736579	0.962893475	Down
CL7115.Contig2	-6.225060194	163.1139866	2.180526449	0.959334703	Down
Unigene10253	-7.724462807	50.51353872	0.238843149	0.969969326	Down
CL5596.Contig1	-5.399748249	43.3720313	1.027362171	0.90481551	Down
CL7338.Contig1	-5.667464173	21.69039707	0.426766958	0.888406445	Down
Unigene13193	-5.575295093	77.3344605	1.621966957	0.921879746	Down
Unigene16033	-6.644339272	25.05938064	0.25050991	0.931686471	Down
Unigene11676	-8.794590309	13.32161068	0.03	0.916438846	Down
CL2825.Contig3	-3.983638568	31.84256291	2.012858818	0.806215194	Down
Unigene30755	-5.613743685	13.20670963	0.269705245	0.857324518	Down

Unigene6268	-8.904004376	1014.014829	2.1167614	0.996161291	Down
CL770. Contig1	-2.876646142	196.3312498	26.73207405	0.803287769	Down
CL1050. Contig3	-7.720652951	6.328042381	0.03	0.845891778	Down
Unigene6948	-4.24322187	58.7510262	3.102261446	0.831969386	Down
Unigene11579	-6.052166863	11.96151097	0.180261209	0.870398166	Down
Unigene12317	-4.051588083	68.24982725	4.115778681	0.827657167	Down
Unigene17222	-8.071296034	8.06906966	0.03	0.873435778	Down
CL7261. Contig1	-3.843887602	129.4418078	9.014654815	0.829077697	Down
Unigene23364	-7.863409298	6.986237116	0.03	0.857896304	Down
Unigene14014	-8.203349149	8.842507022	0.03	0.882414604	Down
Unigene35658	-13.02171864	1539.476202	0.185116476	0.998865362	Down
Unigene30789	-7.698831652	6.233048607	0.03	0.844119837	Down
Unigene14530	-2.773634631	913.6944919	133.61456	0.803701718	Down
Unigene31759	-5.73162351	67.95199183	1.278826393	0.925733345	Down
Unigene5397	-8.710673592	12.56884263	0.03	0.912171298	Down
Unigene5976	-7.481252564	103.1896951	0.577503875	0.979606302	Down
CL2544. Contig1	-4.780793795	54.02664412	1.965376038	0.863563537	Down
CL3818. Contig2	-5.967070334	7.654147296	0.122357236	0.827293844	Down
Unigene3595	-6.571390605	435.7275357	4.581728183	0.972036094	Down
Unigene14519	-8.635549152	8499.515688	21.37149267	0.9970964	Down
Unigene9390	-5.992633905	14.41002463	0.226309177	0.87986837	Down
Unigene8142	-2.960253434	509.1747016	65.42469989	0.809750141	Down
CL136. Contig2	-6.982359184	47.17034984	0.373052146	0.960046458	Down
Unigene17795	-9.389668027	20.12301172	0.03	0.941925013	Down
Unigene38144	-7.447447873	5.236323335	0.03	0.821867834	Down
CL5210. Contig1	-3.697140717	64.69696935	4.988083136	0.816138062	Down
Unigene19183	-8.053733999	309.7379016	1.165678647	0.990604247	Down
Unigene12285	-5.92871709	42.95863349	0.705226752	0.925164537	Down
CL9613. Contig1	-4.600513858	39.00469066	1.607770927	0.841618273	Down
Unigene974	-5.970449044	12.25981233	0.195523774	0.867661336	Down
CL1900. Contig1	-5.64411378	325.9694389	6.518224858	0.935075494	Down
CL7284. Contig1	-4.943181956	18.53306163	0.602422421	0.839494922	Down
Unigene15048	-5.410909828	46.56642972	1.094527757	0.906900146	Down
Unigene34855	-5.452441061	9.353921139	0.213621714	0.825417672	Down
CL10391. Contig1	-3.424874197	61.48441381	5.724995796	0.807263468	Down
CL2521. Contig2	-6.436291042	21.43899015	0.247564096	0.918833199	Down
Unigene10012	-7.40283369	5.076872403	0.03	0.816852795	Down
Unigene35183	-8.132900956	97.2429957	0.346426567	0.982837488	Down
Unigene3857	-8.644987337	536.1015143	1.33920337	0.994183865	Down
Unigene1436	-3.744048806	35.47074743	2.647276742	0.802534322	Down
Unigene31490	-8.302324066	9.470432921	0.03	0.888930582	Down
Unigene33083	-6.776858315	33.45606897	0.305096539	0.94671372	Down
CL2953. Contig2	-5.119791897	45.68877331	1.314009682	0.893939665	Down
Unigene1789	-6.253618297	15.93524829	0.208848878	0.898415676	Down
Unigene6962	-5.811636493	55.09243841	0.980878209	0.925048393	Down
CL4549. Contig1	-8.944388731	625.328875	1.269343555	0.995157688	Down

Unigene32929	-10.67485271	49.04244564	0.03	0.975079663	Down
Unigene36770	-7.740581677	6.416061577	0.03	0.847642872	Down
Unigene10113	-4.664505438	73.77877626	2.909212171	0.859656333	Down
CL4259.Contigl	-8.020142939	7.78798038	0.03	0.869924655	Down
Unigene5893	-5.995353369	714.920695	11.20667223	0.953375622	Down
Unigene17754	-7.397310125	31.01120782	0.183952819	0.953128443	Down
Unigene30727	-9.758353226	25.98234135	0.03	0.954054617	Down
Unigene32038	-9.516810441	21.97691156	0.03	0.94634742	Down
Unigene5989	-6.139476628	242.8325851	3.44461224	0.95823878	Down
Unigene19891	-5.990333976	64.94551591	1.021595474	0.936948688	Down
Unigene12942	-7.38101932	56.78368492	0.340655463	0.969555377	Down
Unigene6913	-6.870321435	240.4865954	2.055502655	0.977596117	Down
Unigene3013	-4.861482797	17.98822798	0.618779957	0.83040293	Down
CL136.Contigl	-8.935580539	177.4956845	0.362501683	0.990413651	Down
CL9200.Contig2	-3.129022186	77.53519762	8.862767634	0.802564103	Down
CL3884.Contigl	-7.652960545	11.87788745	0.059015831	0.90357664	Down
Unigene6430	-3.723707986	125.9432852	9.53294788	0.825444474	Down
Unigene18890	-6.432081771	2155.986807	24.96873565	0.97112481	Down
CL1934.Contig6	-3.820110007	121.9875994	8.636703017	0.827794157	Down
Unigene1428	-4.282063115	150.509759	7.736334147	0.845599929	Down
Unigene18017	-7.403129739	5.07791431	0.03	0.816852795	Down
CL8757.Contig2	-7.864785697	6.992905495	0.03	0.857896304	Down
CL571.Contigl	-8.813525166	13.49760446	0.03	0.917382888	Down
Unigene34327	-5.737369892	38.50408911	0.721749381	0.913294023	Down
CL3104.Contig3	-5.00623008	179.1758476	5.5751178	0.899779624	Down
Unigene12634	-9.295107012	130.2349163	0.207310554	0.988659579	Down
Unigene19381	-3.125429149	98.26678525	11.26052983	0.805750618	Down
Unigene12025	-7.771742831	136.3362706	0.623855056	0.984573692	Down
Unigene31516	-7.378605161	4.99232367	0.03	0.814205307	Down
Unigene6803	-15.02737364	1001.87024	0.03	0.998111915	Down
Unigene11213	-5.432011547	28.08894532	0.650634398	0.891435123	Down
CL256.Contig2	-9.031523029	35.08951439	0.06705297	0.964448018	Down
Unigene29939	-5.043744933	11.22874787	0.340418234	0.817171446	Down
CL10327.Contigl	-8.255186762	224.626246	0.735193509	0.990032461	Down
Unigene657	-7.558747752	5.656282056	0.03	0.832154025	Down
Unigene32203	-8.14853932	8.512870185	0.03	0.87881414	Down
CL2885.Contig2	-7.311283134	12.51032934	0.078768616	0.904172251	Down
Unigene779	-9.07810619	16.21449853	0.03	0.929497603	Down
Unigene18055	-6.874785101	25.60628127	0.218187558	0.937958248	Down
Unigene7272	-6.393438107	8.954360163	0.106516751	0.858742071	Down
Unigene14609	-5.411530398	491.6831379	11.55187131	0.928654814	Down
CL9439.Contigl	-5.169227634	17.44615707	0.484849783	0.861148337	Down
CL9929.Contigl	-7.415137925	5.120356415	0.03	0.818502636	Down
Unigene16049	-7.247887374	4.559873131	0.03	0.801271628	Down
Unigene18222	-7.430458236	5.17502039	0.03	0.820140564	Down
Unigene31855	-9.422551543	20.58694503	0.03	0.94301498	Down

CL9156. Contig1	-7. 51369505	5. 482376322	0. 03	0. 827937104	Down
CL13. Contig1	-9. 652673396	37. 42356654	0. 046494432	0. 967232497	Down
Unigene31339	-7. 5215559	5. 512329819	0. 03	0. 828711397	Down
Unigene11702	-8. 013561001	7. 752530584	0. 03	0. 869117603	Down
Unigene9919	-7. 334483018	4. 841953852	0. 03	0. 809779922	Down
Unigene3858	-2. 94562965	230. 8540205	29. 96501931	0. 806953751	Down
Unigene35977	-9. 868880896	28. 05113434	0. 03	0. 957238155	Down
CL7973. Contig1	-8. 14758767	8. 507256662	0. 03	0. 87881414	Down
CL1092. Contig2	-2. 92898719	175. 736215	23. 07534842	0. 804476012	Down
CL6393. Contig1	-11. 56190911	90. 69904279	0. 03	0. 985916793	Down
Unigene9278	-3. 361040588	401. 167619	39. 04377822	0. 821281158	Down
Unigene9960	-6. 298863851	32. 7860291	0. 416429859	0. 933345246	Down
Unigene12796	-4. 863879767	91. 30409292	3. 135570293	0. 879031538	Down
Unigene14659	-5. 193534262	2220. 835003	60. 68854107	0. 92508413	Down
Unigene17416	-3. 732806908	167. 9170218	12. 63013159	0. 82797284	Down
Unigene19247	-4. 404505347	197. 1079459	9. 307132713	0. 852952738	Down
CL6445. Contig3	-7. 74766915	6. 447659069	0. 03	0. 848253373	Down
Unigene416	-3. 876874633	247. 9872689	16. 880054	0. 8344233	Down
Unigene30093	-10. 13317554	33. 69077816	0. 03	0. 96421573	Down
Unigene10558	-8. 939372054	91. 90241995	0. 18720085	0. 98437714	Down
Unigene35684	-5. 300235566	36. 55976111	0. 927840787	0. 897441854	Down
Unigene8129	-11. 22732615	2253. 246942	0. 939824687	0. 999005331	Down
Unigene6131	-9. 600697176	23. 29265982	0. 03	0. 949117008	Down
CL4976. Contig1	-11. 40525468	1052. 460101	0. 388044804	0. 998049376	Down
CL8937. Contig2	-9. 848976003	164. 7039649	0. 178593994	0. 991077757	Down
Unigene906	-9. 048261627	15. 88252008	0. 03	0. 92832425	Down
Unigene31677	-7. 491018337	5. 396876406	0. 03	0. 825673784	Down
CL8755. Contig1	-5. 63942483	56. 73758363	1. 138242517	0. 918734924	Down
CL10486. Contig1	-6. 582022561	31. 93595987	0. 333344851	0. 939488966	Down
CL370. Contig1	-9. 634997847	23. 85308824	0. 03	0. 950338009	Down
CL6180. Contig1	-5. 634795128	18. 50308337	0. 372393209	0. 87873671	Down
Unigene14948	-8. 894932867	853. 6256763	1. 79318818	0. 995821793	Down
Unigene4067	-9. 059358038	16. 00515062	0. 03	0. 928872212	Down
Unigene25715	-7. 649139222	6. 02201179	0. 03	0. 839959498	Down
Unigene33442	-8. 342584615	9. 738441625	0. 03	0. 891524465	Down
Unigene19337	-2. 918492099	1255. 408568	166. 0471494	0. 810074749	Down
CL1427. Contig7	-7. 261633541	4. 603527777	0. 03	0. 802230561	Down
Unigene5902	-4. 630984858	48. 76472022	1. 968069292	0. 849596474	Down
CL8427. Contig1	-3. 084580049	2532. 812119	298. 5739109	0. 81632568	Down
Unigene26283	-8. 628646442	11. 87415341	0. 03	0. 907778671	Down
Unigene10475	-8. 955205549	175. 8669056	0. 354322421	0. 990410673	Down
Unigene16328	-7. 367022299	4. 952402629	0. 03	0. 813383365	Down
Unigene4287	-5. 87193915	362. 578898	6. 191169696	0. 945266387	Down
CL8966. Contig2	-6. 390482418	34. 30835831	0. 408952665	0. 936898061	Down
Unigene9220	-4. 828843285	158. 6045268	5. 580702936	0. 881804104	Down
CL650. Contig2	-5. 156754959	15. 46158614	0. 433427159	0. 853122487	Down

CL3936. Contigl	-3. 81823926	72. 87686958	5. 166365904	0. 821561095	Down
Unigene258	-6. 727892471	18. 01111784	0. 169919502	0. 918231633	Down
Unigene31748	-8. 398644173	10. 12430159	0. 03	0. 894731826	Down
Unigene20290	-8. 304047456	9. 481752711	0. 03	0. 888930582	Down
Unigene23048	-8. 068892561	8. 0556381	0. 03	0. 873435778	Down
Unigene8414	-8. 339650294	355. 9706251	1. 098826867	0. 992149856	Down
CL4579. Contigl	-11. 58239369	91. 99604954	0. 03	0. 986083564	Down
Unigene6618	-9. 552909144	2013. 867756	2. 681135421	0. 998132762	Down
Unigene15051	-7. 467079167	1329. 382862	7. 513378481	0. 990428542	Down
Unigene12973	-4. 059662807	141. 8160904	8. 5044304	0. 836707466	Down
Unigene29922	-9. 459588259	21. 12229322	0. 03	0. 944286608	Down
Unigene20164	-4. 603578346	48. 34404934	1. 988510347	0. 847276572	Down
Unigene389	-6. 298041778	576. 7534429	7. 329776064	0. 965865571	Down
Unigene11584	-6. 203069555	13. 77626733	0. 186991369	0. 887798922	Down
CL3104. Contigl	-4. 197612066	51. 15402521	2. 78787098	0. 827576759	Down
Unigene1477	-3. 099147297	98. 03965417	11. 44103919	0. 804949522	Down
CL3293. Contigl	-7. 038856904	17. 55480802	0. 133502384	0. 922219244	Down
Unigene14289	-7. 706728473	45. 95312464	0. 219967545	0. 967601775	Down
Unigene29781	-5. 384025118	10. 52742496	0. 252097824	0. 833160606	Down
Unigene17866	-8. 700362504	163. 012797	0. 391878658	0. 989430894	Down
CL5458. Contigl	-7. 910510272	7. 218087256	0. 03	0. 861743947	Down
Unigene703	-9. 65902536	24. 25367853	0. 03	0. 951055719	Down
Unigene873	-16. 64142263	3066. 822464	0. 03	0. 999392477	Down
CL4549. Contig2	-7. 891943008	532. 1875736	2. 240542365	0. 991429167	Down
Unigene1877	-2. 946770588	137. 0329479	17. 77291498	0. 803481343	Down
Unigene30686	-8. 59363706	11. 5894755	0. 03	0. 905822091	Down
Unigene31799	-10. 98352157	60. 74222615	0. 03	0. 979561631	Down
Unigene8012	-8. 864662412	26. 54455197	0. 056943756	0. 953783615	Down
CL6180. Contig2	-7. 433716905	5. 186722614	0. 03	0. 820140564	Down
Unigene36398	-6. 0106717	11. 83656919	0. 183583382	0. 867101462	Down
Unigene35082	-7. 849690277	6. 920117755	0. 03	0. 856874832	Down
Unigene24169	-8. 906582941	14. 39692953	0. 03	0. 921906549	Down
Unigene19807	-4. 088303983	224. 7678611	13. 21393246	0. 840578933	Down
Unigene33768	-7. 587043136	5. 768312989	0. 03	0. 834155276	Down
Unigene25315	-8. 343285147	9. 743171485	0. 03	0. 891524465	Down
Unigene11907	-9. 204593749	17. 70027734	0. 03	0. 934834271	Down
CL9585. Contigl	-7. 767317458	208. 0679292	0. 955013705	0. 987396885	Down
Unigene17401	-4. 0913708	96. 78618665	5. 677903993	0. 834012329	Down
Unigene33072	-9. 950362977	29. 68103073	0. 03	0. 959552101	Down
Unigene12451	-2. 68857506	815. 2724709	126. 4622892	0. 800422883	Down
Unigene27182	-7. 284574613	4. 677316074	0. 03	0. 805134161	Down
Unigene1543	-6. 162063719	263. 7796034	3. 683623173	0. 95961464	Down
Unigene34008	-5. 392902732	12. 44390782	0. 29616334	0. 84602579	Down
Unigene12890	-8. 958667969	1996. 921457	4. 013591826	0. 997245302	Down
Unigene30069	-7. 80256653	6. 697732888	0. 03	0. 852744275	Down
Unigene1528	-3. 584599709	136. 7879349	11. 40186142	0. 821927395	Down

Unigene35038	-8.607118672	81.33406541	0.208579482	0.982104887	Down
Unigene365	-3.045319761	128.6526323	15.58425631	0.806167545	Down
Unigene34463	-9.992887534	30.56892355	0.03	0.960755234	Down
Unigene25034	-7.397819244	5.059257099	0.03	0.816852795	Down
Unigene19999	-3.768408831	72.93312089	5.352056678	0.820188213	Down
Unigene31609	-8.334877064	9.686553049	0.03	0.890988415	Down
CL2009. Contig1	-7.484460957	5.372402027	0.03	0.824908425	Down
Unigene16874	-5.894578023	179.3595119	3.014946547	0.94305965	Down
Unigene1401	-3.83778461	184.8667403	12.92916563	0.831695405	Down
Unigene18140	-6.393993718	18.45851409	0.219489039	0.910116442	Down
CL2885. Contig3	-5.236499543	14.28418035	0.378888907	0.852098037	Down
Unigene2822	-9.585714892	23.0520189	0.03	0.948625629	Down
CL7222. Contig1	-10.01826081	31.11130748	0.03	0.961359778	Down
Unigene6198	-10.19025784	453.9296946	0.388521735	0.995744364	Down
CL3759. Contig2	-11.72252644	235.9100867	0.069809484	0.993755025	Down
CL8962. Contig1	-2.959649456	163.266875	20.98721527	0.805095447	Down
CL4307. Contig1	-7.195965759	312.8870585	2.133958942	0.983969147	Down
Unigene17434	-3.730512231	33.25726556	2.505477215	0.800193573	Down
CL7145. Contig1	-5.173959064	63.77703118	1.766637417	0.906209238	Down
Unigene605	-8.117096957	8.329346261	0.03	0.876866494	Down
Unigene13755	-8.467455413	10.61889486	0.03	0.898787933	Down
Unigene19759	-5.813778085	64.91273615	1.154006683	0.928225975	Down
Unigene32164	-5.347835248	12.0576248	0.296075822	0.842639745	Down
CL5223. Contig3	-6.094798219	18.65199027	0.272902867	0.900914262	Down
CL6290. Contig1	-4.369510075	62.55750344	3.026396385	0.839173293	Down
Unigene17120	-9.864673586	27.9694484	0.03	0.957098186	Down
Unigene16727	-3.277202417	1620.547053	167.1573263	0.821689151	Down
CL4440. Contig2	-3.318417657	120.574802	12.08685479	0.813514399	Down
Unigene9584	-8.836341297	117.3064979	0.256636419	0.986878704	Down
Unigene19778	-5.826666435	62.3195021	1.098051231	0.92844635	Down
Unigene4390	-4.6442674	14.7381918	0.589359663	0.800568808	Down
CL650. Contig1	-6.606883258	53.37435339	0.547598927	0.954694899	Down
CL3169. Contig2	-5.948223544	306.3210311	4.961158562	0.948536288	Down
Unigene12399	-4.711201284	1741.94693	66.50005699	0.878578874	Down
Unigene4002	-6.074326104	16.82879627	0.249746087	0.894064743	Down
Unigene13278	-7.078494224	147.2633772	1.089571338	0.978144078	Down
Unigene3935	-14.62537789	758.2260427	0.03	0.997489502	Down
CL6651. Contig2	-7.802337419	435.8410333	1.952497634	0.990455344	Down
Unigene20034	-5.233211773	11.44942865	0.304389802	0.836156526	Down
Unigene11754	-7.682150726	6.161395037	0.03	0.842452128	Down
Unigene17688	-6.174908379	7.556999481	0.104596403	0.837043986	Down
Unigene6109	-5.339120689	8.921269481	0.220389642	0.817799815	Down
Unigene1984	-5.965853873	281.7885279	4.508398978	0.949182525	Down
Unigene18869	-8.290613973	5600.174237	17.88455139	0.996003455	Down
Unigene18694	-7.432671404	5.182965228	0.03	0.820140564	Down
Unigene25976	-8.497072588	10.83914383	0.03	0.900306739	Down

Unigene601	-5.157504261	51.59362938	1.445548257	0.901134638	Down
CL2056.Contig2	-8.381249281	10.00296362	0.03	0.893674618	Down
Unigene31798	-10.73497663	51.12946187	0.03	0.976098157	Down
CL4182.Contig1	-6.081422042	17.05382294	0.25184382	0.895273832	Down
Unigene19953	-4.06710052	83.26445276	4.967528646	0.831314214	Down
CL7164.Contig1	-5.677596382	45.1820176	0.882752195	0.915363769	Down
CL6764.Contig2	-6.036988222	15.10886414	0.230100349	0.885851276	Down
Unigene11312	-6.012322798	32.05225357	0.496556949	0.920223949	Down
Unigene10434	-4.366305872	22.04995836	1.069101001	0.806367075	Down
Unigene12943	-7.70265039	200.6019778	0.962955897	0.986729801	Down
Unigene16300	-10.04945973	31.7914307	0.03	0.962232348	Down
CL10549.Contig1	-3.891871558	46.58900016	3.138436254	0.814967688	Down
CL7973.Contig2	-7.945331232	29.41354697	0.119334048	0.954933143	Down
CL352.Contig1	-5.93078263	37.87319389	0.620852539	0.9214926	Down
Unigene27484	-8.42250861	10.2931662	0.03	0.896238721	Down
Unigene2004	-10.39453316	1976.554931	1.468394051	0.998719438	Down
Unigene35019	-4.620230147	25.97664843	1.056222113	0.828592275	Down
CL2521.Contig1	-4.313733888	27.74369834	1.395086256	0.813419101	Down
CL5829.Contig1	-4.812063655	56.56039703	2.013431914	0.866857262	Down
CL4845.Contig1	-5.43841855	14.7006113	0.3390067	0.858977337	Down
Unigene20054	-9.444658816	20.90484044	0.03	0.943795229	Down
Unigene19790	-5.070192979	47.9788169	1.428135334	0.889395158	Down
Unigene7417	-8.653770356	12.08274771	0.03	0.909267697	Down
CL4293.Contig2	-5.333412045	13.12166584	0.325440778	0.848476727	Down
Unigene3214	-7.439971444	5.209257506	0.03	0.821081628	Down
Unigene4293	-4.810406287	374.8557926	13.35942119	0.883736859	Down
CL2854.Contig2	-2.972568	368.7598038	46.97983024	0.809077102	Down
Unigene5643	-5.611720824	79.74310971	1.630785616	0.923413443	Down
Unigene6619	-9.819796247	66.33055471	0.073393975	0.980696269	Down
Unigene20431	-6.261271975	29.38587693	0.38309632	0.928351053	Down
CL4625.Contig1	-11.45326676	84.11977427	0.03	0.984886387	Down
Unigene878	-7.86094714	6.974324303	0.03	0.85730665	Down
CL6107.Contig1	-7.263232869	25.63336836	0.166860953	0.943991781	Down
CL2569.Contig1	-7.591751577	54.8719862	0.284449868	0.970713839	Down
Unigene20018	-9.420094864	20.55191858	0.03	0.94292266	Down
Unigene11195	-3.466455646	177.7813812	16.08344759	0.820953572	Down
Unigene14921	-6.223732521	12.82299917	0.171577146	0.88356711	Down
Unigene36600	-7.857712979	6.958707128	0.03	0.85730665	Down
Unigene35627	-8.303770979	9.479935808	0.03	0.888930582	Down
Unigene8188	-3.790630795	150.3879034	10.86724186	0.828887102	Down
Unigene17925	-4.864274208	13.57333505	0.466008808	0.813103428	Down
Unigene4810	-11.11187147	174.1107935	0.078671797	0.991932458	Down
CL7222.Contig2	-8.287973368	91.02128785	0.291215434	0.982679651	Down
CL8355.Contig1	-7.992189612	7.638534755	0.03	0.867795348	Down
Unigene36148	-7.465225023	5.301245431	0.03	0.823392597	Down
Unigene15797	-7.064336489	18.74932375	0.140090416	0.926078799	Down

Unigene13271	-9.300810106	18.92099977	0.03	0.93855088	Down
Unigene10696	-4.666737788	259.8324294	10.22975654	0.871389857	Down
Unigene16590	-3.880082492	43.15579675	2.931014205	0.812597159	Down
CL6056.Contigl	-2.842903933	502.2274216	70.00048722	0.805577891	Down
Unigene21274	-4.08601756	969.0906339	57.06246754	0.844718425	Down
Unigene14904	-7.21733427	4333.200961	29.11888404	0.98848983	Down
CL4281.Contig2	-5.339328088	14.6345602	0.361477911	0.855906966	Down
Unigene8478	-6.444146946	14.63576869	0.168086955	0.897605646	Down
Unigene3590	-4.668420626	339.627961	13.35576586	0.872360702	Down
CL9715.Contig2	-7.519284122	5.503656511	0.03	0.827978796	Down
Unigene37123	-8.610773997	11.72796101	0.03	0.906885256	Down
CL5284.Contig3	-5.789914765	14.84860362	0.268378423	0.872420263	Down
CL8544.Contigl	-9.049851608	2435.073178	4.594467952	0.997549063	Down
Unigene1992	-7.746354223	1600.351306	7.452986776	0.992805027	Down
Unigene4205	-6.043505407	289.9526096	4.395928455	0.953226719	Down
Unigene34621	-7.59542374	5.801918585	0.03	0.83486703	Down
Unigene8334	-4.468960223	21.95395466	0.991337846	0.811450609	Down
CL4307.Contig2	-5.749495167	187.9336802	3.493285758	0.937046964	Down
Unigene34687	-4.962525263	10.38192645	0.332972977	0.802590905	Down
CL3049.Contigl	-5.26063232	532.0911987	13.87963198	0.925146669	Down
CL3169.Contigl	-6.962722568	18.09508963	0.145068257	0.922573632	Down
CL8087.Contigl	-5.043236812	31.04373539	0.941474187	0.872992049	Down
Unigene33486	-11.09927779	65.8168057	0.03	0.981038744	Down
Unigene25488	-7.300054722	4.727773869	0.03	0.806977575	Down
Unigene14890	-3.190903149	93.10964627	10.19617112	0.807218797	Down
Unigene8893	-4.541909373	19.16743773	0.822835655	0.808943089	Down
Unigene34625	-5.650399214	19.65242109	0.391269874	0.882736234	Down
Unigene32503	-8.835889808	13.70847439	0.03	0.918460943	Down
Unigene8925	-4.140579009	97.83075174	5.546728512	0.835855743	Down
Unigene17025	-7.49043836	24.2989167	0.135126424	0.94417642	Down
Unigene10167	-4.885751396	1043.876671	35.30949209	0.89318324	Down
Unigene10813	-3.441215712	48.45447241	4.46092291	0.802742786	Down
CL8596.Contigl	-5.612701263	11.03548931	0.225527838	0.843911373	Down
CL3818.Contigl	-5.971245341	24.51395088	0.390741332	0.907406415	Down
Unigene4629	-5.274642275	223.9687716	5.785780146	0.922478335	Down
Unigene7996	-2.7176148	441.7569454	67.15831865	0.800726645	Down
Unigene3516	-10.66201706	48.60805042	0.03	0.974868221	Down
Unigene36931	-7.880830662	7.071111325	0.03	0.85937044	Down
Unigene33332	-9.308934579	19.02785314	0.03	0.93879508	Down
CL9288.Contigl	-5.478087327	81.34769598	1.825057923	0.919312666	Down
Unigene33965	-5.636252371	13.60206362	0.273478869	0.860385956	Down
CL3457.Contigl	-6.132394439	386.437782	5.508646572	0.95924834	Down
Unigene14548	-7.243026099	465.8249513	3.075067349	0.985717264	Down
Unigene16734	-5.708694111	263.0224567	5.029266695	0.937124393	Down
Unigene17054	-4.038811085	716.3540672	43.58373525	0.842410435	Down
CL139.Contigl	-7.963977433	7.490612773	0.03	0.865660085	Down

Unigene9416	-8.103769043	51.40192023	0.186853735	0.972414307	Down
Unigene17959	-6.87909032	24.60980115	0.209071856	0.936406683	Down
Unigene35766	-7.365117999	4.945869967	0.03	0.813383365	Down
Unigene9638	-7.669532772	6.107741836	0.03	0.841823759	Down
Unigene1532	-9.80098371	503.8537288	0.564825627	0.995753298	Down
Unigene30341	-9.095562922	16.41188713	0.03	0.930328479	Down
Unigene14662	-8.871742234	594.8830267	1.269904469	0.994970071	Down
CL5717. Contig1	-4.975830423	18.58007494	0.590436573	0.843759493	Down
Unigene210	-3.887923534	121.8799442	8.232858326	0.830009828	Down
Unigene5541	-7.296816523	4.717174052	0.03	0.806155633	Down
Unigene15344	-6.49160069	47.9764573	0.533165019	0.948905566	Down
Unigene5775	-4.562683624	32.36596133	1.36956888	0.833023616	Down
Unigene10295	-8.166927595	784.0534315	2.728069821	0.993621013	Down
CL6456. Contig1	-3.103518638	79.81411294	9.285974551	0.802203758	Down
CL10405. Contig2	-9.338177685	163.0876135	0.251970321	0.990529795	Down
CL5883. Contig3	-9.427011119	20.65068067	0.03	0.943148992	Down