

**Table S2:Differentially Expressed genes for all treatments**

ProbeName	p	FC ([0.004]	FC ([0.12]	v FC ([1.85]	v GeneSymbo	RefSeqAccession
DM11208P3	6.27E-11	-2.759943	-2.7923474	5.380822		
DM02535P1	1.70E-09	-1.0606657	1.0273825	3.0402067		
DM04155P3	2.55E-09	-1.1924013	-1.8806249	9.2269945	PHYPADRAFT	XM_001770168.1
DM07468P1	9.60E-08	1.5381198	1.2563615	-2.4090626		
DM05883P1	1.46E-07	-4.164618	-4.8205967	4.301197		
DM02527P1	3.21E-07	1.1395643	1.4164004	-2.7666986	4CL1	NM_104046.2
DM02984P3	4.10E-07	-3.3932483	-2.8041391	3.5808704		
DM00627P3	9.03E-07	-1.1801822	-1.0782033	1.517806	DERE\GG152	XM_001971830.1
DM04941P2	9.34E-07	3.4217396	2.583441	-7.8798337		
DM05895P1	1.02E-06	-1.1882874	1.2120546	5.5948267		
DM04500P1	1.71E-06	1.0675085	1.0226952	1.7178578		
DM06833P1	1.87E-06	1.3033714	1.1701084	-2.4367948		
DM06311P3	1.90E-06	-1.1561017	1.2087673	4.068534		
DM12065P2	2.00E-06	-1.8919256	-1.8018091	1.4817731		
DM04383P3	2.00E-06	1.4915718	1.6128143	-1.5154971		
DM14182P2	2.03E-06	-1.4658037	-1.6195599	1.7842569		
DM05878P1	2.56E-06	-21.22727	-18.777668	-2.150565		
DM12524P2	2.72E-06	-1.6908418	-1.5050758	1.3265545		
DM06672P1	2.72E-06	-1.605482	-1.4322116	1.8587458		
DM09287P1	3.17E-06	-2.0433156	-2.8197997	2.7730072		
DM03680P3	3.66E-06	-1.1246079	-1.0743667	1.3665518	LOC1002145	XM_002159411.1
DM02756P2	4.23E-06	1.7839093	1.6517665	-9.195115		
DM10519P1	4.24E-06	-1.760619	-2.0117772	1.2575258		
DM01138P4	4.71E-06	-4.1095653	-5.176502	-1.0499051		
DM12878P1	5.09E-06	-1.1096499	-1.0598359	1.3923161	SQRDL	NM_001086609.1
DM13474P3	5.36E-06	2.7713358	3.6485147	-1.2627203		
DM02283P1	5.50E-06	-2.1779606	-1.7965782	1.873909	ISCW_ISCWC	XM_002416102.1
DM00830P3	6.16E-06	-1.0062548	1.0857829	-1.3859134	GBE1	NM_001094899.1
DM10359P4	6.62E-06	-1.9974284	-1.7927076	1.4232419		
DM05321P2	8.75E-06	1.0863507	-1.0312109	2.042937		
DM01475P1	9.34E-06	-1.4084876	-1.6975373	3.6587646		
DM10284P1	1.06E-05	-1.0460366	-1.1227529	-1.8256786		
DM10619P4	1.17E-05	1.0788723	-1.2893786	-1.6193746		
DM03807P3	1.17E-05	3.7646604	5.919261	1.4645915	CG10663	NM_001104123.1
DM14629P1	1.18E-05	-1.3273455	-1.1953995	1.8293389		
DM01742P2	1.28E-05	-8.760819	-9.885135	-4.6936107		
DM04583P2	1.32E-05	-1.6430008	-1.826746	1.222703		
DM06323P1	1.33E-05	-1.3403641	-1.4857265	1.245902		
DM00887P1	1.39E-05	1.1215512	1.2225754	1.4944582	AAEL_AAEL01	XM_001664052.1
DM02677P3	1.58E-05	2.0984287	2.2857091	1.6785382		
DM06446P2	2.07E-05	-1.1657629	-1.217079	-1.537165	LOC1002103	XM_002166106.1
DM12834P1	2.16E-05	-4.809301	-4.655242	-2.2097611		
DM06825P2	2.29E-05	1.3981372	1.236169	-2.3614647		
DM02343P3	2.51E-05	-1.019922	-1.1327271	-1.2950282	DYAK\GE169	XM_002100305.1
DM03643P3	2.79E-05	1.1078212	1.0087512	-1.3685321	LOC413006	XM_396457.1
DM02649P3	2.95E-05	1.4262251	1.7039545	-1.3441769	CPIPJ_CPIJ01	XM_001857207.1
DM05914P3	3.41E-05	-2.525613	-2.3639855	1.2074122		

DM01718P3	3.88E-05	1.3204808	1.14717	-5.338226	DHRS2	NM_027790.2
DM06975P4	3.92E-05	1.4603153	1.4188899	-2.08512		
DM00246P1	4.01E-05	1.6199424	1.6662792	-2.2360036	TH	NM_012740.3
DM09378P2	4.05E-05	1.1219571	-1.0006176	-1.4001633		
DM07384P3	4.06E-05	-1.1145767	-1.0330137	2.9658747	BM1_01955	XM_001891863.1
DM10825P2	4.38E-05	1.4231066	1.2538704	-2.4399369		
DM08360P3	4.42E-05	-10.11818	-14.929511	-1.3916597		
DM04894P2	4.44E-05	-2.98709	-2.887112	-1.524819		
DM02570P3	5.17E-05	-1.446101	-1.3322574	2.271027	DVIR\GJ2084	XM_002049231.1
DM14321P1	5.33E-05	1.0835549	1.4796002	-1.1639285		
DM03011P2	5.41E-05	1.2927392	1.4048798	1.5294459	YALIOF05962	XM_505057.1
DM11035P1	5.64E-05	1.3856193	1.558598	-2.1148248		
DM03806P2	5.67E-05	1.514652	2.5873322	-1.6172004	SLC34A1	NM_001082673.1
DM07144P1	5.88E-05	-2.123621	-2.6190143	1.0928239		
DM02051P3	5.89E-05	-1.1410822	-1.2352061	-1.553884	PROSBETA5	NM_001126201.2
DM03214P3	6.02E-05	1.2301322	1.5786428	-1.3144486		
DM08870P2	6.04E-05	-1.0607793	-1.3378669	2.6528487		
DM15214P1	6.46E-05	1.0037177	1.0764732	1.9785243		
DM06858P3	6.46E-05	1.3469169	1.4503435	-1.9501159		
DM07564P2	6.93E-05	1.0062374	-1.0262979	-1.8896575		
DM07162P2	7.54E-05	1.786947	1.5982336	-5.1880774		
DM11127P3	7.60E-05	1.0323795	1.0096531	-1.169675		
DM07929P1	7.67E-05	1.050143	1.1070286	1.8612905		
DM02279P3	7.70E-05	1.0438557	1.0520304	-1.8021985		
DM07273P2	7.77E-05	1.3526461	1.659563	1.8640025		
DM12614P2	7.78E-05	-9.769839	-13.005275	-2.700782		
DM03878P1	7.81E-05	-2.822724	-2.2613485	2.4889314	ISCW_ISCWC	XM_002416102.1
DM01171P1	8.11E-05	-1.1698935	-1.0648328	1.417521	P45071B38	XM_001847350.1
DM06005P2	8.31E-05	1.2908304	1.4483861	1.6460793		
DM10085P1	8.65E-05	-1.7516614	-1.7558584	1.2603364		
DM04071P2	8.72E-05	1.3385941	1.4911865	-1.3101466		
DM02218P1	9.00E-05	-2.4509752	-2.8884215	1.1808811		
DM10627P4	9.83E-05	1.0545286	-1.0197022	-1.3233207		
DM14090P1	1.06E-04	-1.0324613	1.1231747	-1.9853314		
DM13062P1	1.10E-04	-1.6793051	-1.6075836	1.3994838		
DM08671P3	1.12E-04	1.0988716	-1.1010838	-1.5483732		
DM10469P3	1.15E-04	1.0980126	1.2858449	1.3283947		
DM10410P3	1.20E-04	1.1063554	1.0245504	1.9757987		
DM13577P3	1.22E-04	-1.2763536	-1.0727887	1.4110458	LOC1001622	XM_001944913.1
DM08394P1	1.24E-04	1.1532911	1.3807741	2.21997		
DM02251P3	1.26E-04	1.178422	1.2363586	-1.911321		
DM11721P3	1.28E-04	1.2096628	1.3578106	3.1788921		
DM02248P1	1.28E-04	1.9269016	2.3891885	-2.9472487	DPER\GL146	XM_002022622.1
DM04060P2	1.31E-04	1.7625442	2.0375159	-1.5950813		
DM02402P3	1.38E-04	1.1561536	1.2297173	2.2530336	POPTRDRAFT	XM_002337564.1
DM01842P2	1.44E-04	1.180625	1.1619054	1.5946344	RHO	XM_001651947.1
DM10923P2	1.48E-04	-1.0246334	-1.2437596	-1.4447641		
DM12306P2	1.50E-04	1.2262818	1.1548153	-1.7520344		
DM09823P1	1.52E-04	1.0800526	1.1835941	-1.3723774		
DM10407P1	1.64E-04	-1.0790193	-1.1548756	-1.2929529		

DM01541P2	1.69E-04	1.0055608	-1.0473229	-1.3377165	AGAP_AGAP0	XM_318051.4
DM04845P1	1.73E-04	-1.1159313	-1.12496	-1.2646748	LOC1001191	XM_001602923.1
DM04860P3	1.74E-04	-1.7529043	-1.5617195	1.570794		
DM14922P3	1.78E-04	1.7843168	2.646507	-1.2027683	TTHERM_002	XM_001023862.2
DM12183P2	1.84E-04	2.0153675	2.6241179	1.8651845		
DM11775P4	1.85E-04	2.3715768	2.1964173	-1.741632		
DM05418P2	1.90E-04	-2.059312	-1.7966956	1.925087		
DM02831P3	1.94E-04	2.933074	3.5415688	2.3761384	LOC789799	XM_001256447.2
DM06954P2	1.95E-04	-1.091051	1.2271882	1.3425599		
DM06319P2	1.97E-04	2.3898652	3.769371	1.0898834	SNOG_05978	XM_001796314.1
DM00151P3	2.07E-04	1.0665944	1.0923153	-1.3256345	WEE2	NM_001105558.1
DM09700P1	2.11E-04	1.2589954	1.286389	1.0104722		
DM04344P1	2.18E-04	-1.4967417	-1.6413057	1.3791366		
DM12125P1	2.29E-04	-1.0391217	-1.0985721	-1.8045621		
DM05361P1	2.33E-04	1.1348146	1.087491	-1.8451772		
DM00157P1	2.33E-04	-1.0821681	-1.0892599	-1.6768607	NEMVEDRAFT	XM_001634071.1
DM07717P2	2.36E-04	-1.0117501	-1.5450557	-1.1067564		
DM14660P1	2.39E-04	1.4502697	1.6811031	1.9247266		
DM12133P2	2.45E-04	-3.6621506	-4.403198	-1.7628022		
DM09033P3	2.45E-04	-1.0817852	-1.0932845	1.2935737		
DM08162P2	2.49E-04	-2.1870985	-2.209822	1.3968948		
DM14788P2	2.55E-04	-1.2758837	-1.3139454	1.5038527		
DM12730P3	2.57E-04	1.2503748	1.3575228	1.3353739		
DM01117P1	2.57E-04	-1.3699586	-1.2865993	-1.9845194	SNRPD1	NM_001004780.1
DM11662P4	2.69E-04	-1.2603368	-1.1991854	-1.589369		
DM02047P1	2.70E-04	-1.1970271	-1.1356496	1.2846155		
DM11644P3	2.87E-04	1.6557542	1.7420121	1.1610917		
DM06131P3	3.05E-04	1.2517984	1.1786027	1.5574948	RHO	XM_001651947.1
DM03428P1	3.06E-04	1.1759993	-1.8877748	1.2809447	LOC1000676	XM_001504717.2
DM11986P3	3.07E-04	-1.1294622	-1.3169993	-1.4958037	CANX	XM_001150972.1
DM00841P3	3.14E-04	-1.0182365	1.0267743	-1.2742457	LOC579320	XM_001189637.1
DM01899P2	3.16E-04	-1.2630428	-1.2927924	-1.7086422	SF3B3	NM_001077851.1
DM14688P3	3.22E-04	1.9513547	2.4527876	-2.8396704	CPIPJ_CPIJOC	XM_001844941.1
DM12798P2	3.24E-04	-1.0293853	-1.2976949	2.6405118		
DM06630P1	3.25E-04	1.1603283	1.4103804	-1.9760731		
DM08218P2	3.34E-04	-2.1422284	-2.3017223	-1.0810096		
DM10534P3	3.36E-04	-1.1028742	1.1240357	1.303402		
DM00247P2	3.45E-04	-1.1938937	-1.1918421	-1.5816052	PSMB7	NM_001094066.1
DM07782P1	3.51E-04	1.5962372	2.2742064	1.3446791		
DM14028P1	3.58E-04	-1.3171508	-1.0830398	1.2284662		
DM01990P3	3.58E-04	1.0593637	-1.1511024	-1.3894106	DPER\GL176	XM_002018218.1
DM01567P2	3.61E-04	-1.0521977	-1.2294436	2.3276007		
DM04051P3	3.62E-04	-1.073539	-1.1174557	-1.4360815	LOC1001656	XM_001949345.1
DM05898P3	3.63E-04	-1.0504296	-1.1333044	-1.4321207	CG3308	NM_142706.3
DM00432P1	3.71E-04	1.1609117	-1.0950074	-1.3691803	GLYG	NM_001139830.1
DM14060P2	3.83E-04	-1.0820316	-1.0074687	1.2963109		
DM03535P3	3.84E-04	1.0391955	-1.0355301	-1.6832722	LOC1000137	XM_001363834.1
DM06753P4	3.85E-04	1.2314345	1.3481178	2.2040827		
DM11316P2	3.89E-04	1.6907603	1.9694351	3.2580879		
DM04806P2	3.93E-04	-1.3181828	-1.2375506	1.4400563		

DM04214P1	3.97E-04	-1.0138388	-1.1303171	-1.1848752	
DM11466P1	3.98E-04	-1.0396234	-1.1822493	-1.6542199	
DM05392P3	4.09E-04	1.8526574	1.3830485	-3.1052299	
DM10582P4	4.15E-04	1.0518641	1.0982547	-1.5290079	
DM01862P3	4.24E-04	-1.1914725	-1.4070522	1.1815519	DANA\GF204.XM_001963438.1
DM10371P2	4.25E-04	-1.230617	-1.4568942	1.1546569	
DM09670P1	4.29E-04	1.7058614	2.987067	2.6516113	
DM12820P3	4.44E-04	-1.2284331	-1.1074934	-1.5435088	
DM01011P1	4.50E-04	1.0231992	-1.1745687	-1.4858453	
DM13483P1	4.51E-04	-1.0398334	1.0724307	1.3037952	
DM02794P2	4.54E-04	-1.0438383	-1.1724586	-1.4484206	DPER\GL138(XM_002020059.1
DM08350P1	4.62E-04	1.6592749	3.3473861	4.679815	
DM07997P2	4.81E-04	-1.4763888	1.0461186	1.3819065	
DM06677P2	4.90E-04	-1.0216479	1.133035	1.5080212	
DM13311P1	4.91E-04	-1.070114	1.0597417	-1.3012115	
DM01263P3	4.97E-04	-1.0074168	-1.1464964	-1.2242116	DANA\GF226.XM_001965663.1
DM04648P3	5.05E-04	1.0771234	-2.0851138	-1.4351063	
DM00347P2	5.15E-04	-1.8041885	-1.6111535	1.5255934	ABC XM_001649689.1
DM06862P3	5.25E-04	-1.4805272	-1.2001287	1.4095694	
DM03030P1	5.29E-04	1.1323694	-1.0110602	-1.3395884	LOC1002115:XM_002155136.1
DM08531P2	5.30E-04	2.2357588	2.4420245	2.1016858	
DM00140P1	5.45E-04	1.048817	-1.0765457	-1.2759066	FLII XR_015089.1
DM02208P3	5.52E-04	-1.2408631	-1.1699476	1.1287239	DVIR\GJ1575.XM_002057934.1
DM08438P1	5.63E-04	-1.0056198	-1.0002964	-1.3049779	
DM08940P2	5.63E-04	-1.0316523	1.7171946	1.0945407	
DM01089P4	5.65E-04	1.0855907	-1.1561352	-1.4019068	BTK29A XM_001842404.1
DM11411P3	5.71E-04	-1.0604472	1.5136081	-6.7368927	
DM05352P1	5.72E-04	-1.0265374	-1.0812945	-1.4430137	
DM03926P2	5.74E-04	1.2114491	1.0175933	1.9931761	LOC663265 XM_969321.2
DM13003P2	5.77E-04	1.3658315	1.420675	-3.0013633	
DM00452P3	5.99E-04	-1.0197281	-1.0502385	-1.5309178	LOC412308 XM_395769.3
DM01633P2	6.02E-04	1.0031395	-1.2259653	-1.3557504	DWIL\GK127.XM_002074169.1
DM07401P1	6.06E-04	1.6746778	-1.7371112	3.0359395	
DM02807P4	6.15E-04	1.079833	-1.0106269	-1.500665	LOC579937 XM_780026.2
DM00042P4	6.16E-04	1.1355422	1.0079998	-1.3653448	DMOJ\GI2215.XM_002001067.1
DM11339P2	6.16E-04	1.1332629	-1.0486339	-1.5356222	
DM10971P1	6.18E-04	-1.0127189	-1.2708088	-1.8850259	
DM11155P2	6.21E-04	1.0836182	1.168728	1.4238273	
DM03184P1	6.22E-04	1.2940218	1.8229831	2.0116935	
DM09470P1	6.23E-04	1.015295	-1.1714159	-1.286919	
DM08407P1	6.24E-04	1.316336	1.9091508	3.9475336	
DM02555P3	6.34E-04	-1.0712482	-1.1136044	-1.5001011	LOC410040 XM_393525.3
DM14575P1	6.36E-04	-1.053584	-1.9019923	-1.01668	
DM11164P1	6.36E-04	-1.1443001	-1.0866597	-1.4571897	
DM10913P2	6.42E-04	-1.0527542	-1.0805855	-1.5355204	
DM09537P2	6.44E-04	1.1486206	1.3113307	1.619388	
DM03628P2	6.45E-04	-1.1309608	1.1104361	1.4355099	AGAP_AGAP0 XM_307608.4
DM02190P4	6.50E-04	-1.0185422	-1.0599993	-1.3747876	LOC1001902.XM_002200552.1
DM07140P3	6.62E-04	1.3911968	1.2722454	-1.0262524	
DM00292P2	6.75E-04	-1.1861241	-1.2291116	-1.3822654	BRAFLDRAFT.XM_002608112.1

DM05978P2	6.77E-04	-2.525568	-1.74113	2.3943768	AKR	NM_001162166.1
DM03055P2	6.82E-04	1.2234665	1.1242726	1.4029984		
DM09384P4	6.87E-04	-1.1814387	1.1475185	2.2118337		
DM01124P2	6.91E-04	-1.0532141	-1.3693182	-1.3819026		
DM10693P4	6.95E-04	-1.008241	-1.112981	-1.2714516		
DM01919P3	7.39E-04	-1.2342219	-1.2241142	-1.5085225	LOC578192	XM_001190853.1
DM09305P1	7.42E-04	1.09454	1.0600431	-1.3138427		
DM00340P3	7.47E-04	-1.1637362	-1.0874486	-1.6175313	PABN1	NM_001044179.1
DM14968P3	7.88E-04	1.7148908	1.6045673	1.320591		
DM05838P1	7.88E-04	-2.494401	-1.6443688	-4.5946593		
DM05207P1	7.89E-04	-1.9983519	-2.3575456	1.1112951		
DM02783P3	7.91E-04	-1.0319442	-1.0497063	1.2810932		
DM09640P3	8.08E-04	2.441501	3.2610638	2.6627305		
DM01799P1	8.09E-04	1.0591799	1.2164748	1.5068575	TRIADDRAFT	XM_002108789.1
DM15218P1	8.17E-04	-1.0299445	1.0945278	-1.2178909		
DM00091P1	8.19E-04	-1.0055124	-1.091953	-1.5247555	LOC1001231	XM_001607649.1
DM05376P1	8.20E-04	-1.0016937	1.1694522	1.9505429		
DM06944P1	8.27E-04	1.4066575	1.3102087	1.2170203		
DM02238P2	8.29E-04	2.454926	2.647914	1.74854		
DM01722P2	8.36E-04	-1.3027755	-1.291597	1.2628255	LOC1001671	XM_001951607.1
DM06127P1	8.42E-04	1.5384744	1.761562	2.0743809	AGAP_AGAP0	XM_308594.4
DM09680P3	8.48E-04	-1.0575846	1.2377375	1.6525604		
DM02845P3	8.52E-04	-1.1268562	-1.3482316	-1.5467621		
DM13155P2	8.56E-04	1.0227348	1.1865882	1.9246937		
DM07683P1	8.57E-04	4.095996	5.5623503	6.178445		
DM06375P1	8.79E-04	-1.0177982	-1.048747	-1.4363205	NEMVEDRAFT	XM_001630386.1
DM01339P1	8.85E-04	1.1460918	1.1508029	1.2972442	SUOX	NM_001029564.2
DM11402P2	8.88E-04	1.135111	1.0686044	-1.2410042		
DM04465P4	8.91E-04	1.0700396	-1.020171	1.3242831		
DM07685P2	8.97E-04	1.4900165	1.4747994	1.2808607		
DM00206P2	8.98E-04	-1.1900035	-1.2508888	-1.138372	GALNT7	XM_001865749.1
DM07548P1	9.15E-04	1.2022085	1.2512285	1.3526641		
DM02900P3	9.18E-04	-1.2026044	-1.1633329	-1.9649729		
DM04808P4	9.21E-04	-1.1336986	-1.1401964	-1.7133235	H2AFV	NM_001092643.1
DM05718P3	9.22E-04	-2.4610257	-3.0507178	-2.1969101		
DM02917P4	9.24E-04	-1.2299536	-1.148865	-1.1098471	ISCW_ISCWC	XM_002411321.1
DM00125P3	9.26E-04	-1.2209626	-1.5465821	1.0785177	G6PD	NM_000402.3
DM03841P2	9.49E-04	1.0366681	-1.1719327	-1.3225303		
DM11567P2	9.58E-04	-1.0609729	-1.0523235	-1.3389864		
DM08546P1	9.66E-04	1.1085184	1.1116408	-1.2167097		
DM02550P3	9.71E-04	1.4577596	1.6080071	1.40537		
DM03834P3	9.81E-04	1.032329	1.0163931	-1.423031		
DM01245P1	9.84E-04	-1.12221	-1.1685106	1.1052368	LOC1001610	XM_001944694.1
DM14553P2	0.00101221	-1.057751	-2.5524898	1.1020389		
DM06953P2	0.00101549	-1.3654493	-1.2473435	1.4075238		
DM01854P2	0.00101782	-1.170218	-1.1225642	-1.7717109	TBB-4	NM_077184.3
DM12530P4	0.00102034	-1.1133397	-1.1195741	-1.7101231		
DM14902P3	0.00102411	-1.0829041	1.3211342	2.4941158		
DM08616P1	0.00103294	-1.1176928	-1.0099573	-1.5219642		
DM09546P3	0.00103436	-1.4043685	-1.0801246	-1.461655		

DM05302P3	0.00103799	-1.143896	-2.2486494	1.9589028		
DM04295P1	0.0010403	6.5677004	7.647074	7.75871		
DM01248P1	0.00104628	1.1649834	1.2058915	1.4848591	PHOSRESTIN	XM_001865064.1
DM01161P3	0.00104837	1.1327187	-1.0092598	-1.2507819	OSGEP	NM_001016112.2
DM03283P3	0.00105284	-1.168577	-1.0269154	1.197861	TMEM189	XM_396481.2
DM06877P4	0.00106447	1.1021496	1.2639579	-2.5732543		
DM13180P1	0.00106515	-1.3456941	1.033797	1.4538922		
DM02023P2	0.00107863	1.0127395	-1.132022	-1.2061249		
DM05733P1	0.00107956	-1.0016835	1.147672	1.2706611	LOC574544	XM_001177660.1
DM02531P1	0.00108221	1.4158078	1.8061374	1.8067964	DERE\GG183	XM_001977151.1
DM09247P2	0.00108849	-1.18894	1.0860926	-1.7905928		
DM04955P2	0.00110321	4.1121836	2.4855974	4.020005		
DM01072P2	0.00111118	-1.087779	-1.015011	-1.4651121	LOC1002070	XM_002165471.1
DM00278P3	0.00111191	-1.0797017	1.0632945	-1.1896442	POLR2G	NM_001017065.3
DM09215P1	0.00111192	-1.1395586	-1.0479022	-1.5137621		
DM01870P2	0.00112606	-1.1406331	-1.198288	-1.4675035	DWIL\GK159	XM_002063835.1
DM08013P3	0.00113257	-3.2654064	-2.9774702	-2.0184941	LOC1001362	NM_001124521.1
DM14771P2	0.00113741	1.8515315	2.131718	1.322774		
DM03610P3	0.00114293	-1.0601934	-1.2719741	-1.5840505	TPP2	XM_001864524.1
DM07260P3	0.00115634	-1.2798423	1.0891652	1.4432288		
DM04548P2	0.00117099	-1.0232842	1.1198981	1.4119301	IRAK4	NM_001145258.1
DM08046P3	0.00117144	-1.1387259	-1.0338849	-1.4998686		
DM09854P1	0.00118183	1.6290739	1.4398096	-1.9991844		
DM00848P1	0.0011931	-4.431916	-3.843573	-1.1883404		
DM00572P3	0.00119394	1.005236	-1.1648331	-1.765478	DUS3L	XM_425899.2
DM00048P1	0.0011997	-1.126895	-1.1014158	-1.4863265	RPD3	NM_001167853.1
DM00941P1	0.00121201	1.0335795	-1.0410422	-1.1878761	PSAT1	NM_001102150.1
DM07355P3	0.00122921	1.0893092	1.0670544	-1.2716515		
DM11954P3	0.00123369	1.073839	-1.1238475	-1.4045682		
DM05281P1	0.00123974	-1.1865332	-1.057268	-1.1727014		
DM01536P1	0.00125672	-1.0786247	-1.1271411	-1.2081708	MTMR12	NM_001135516.1
DM01606P1	0.00126223	-1.0354834	-1.0811028	-1.1801429	RPLP0	XM_001851076.1
DM03065P1	0.00127173	-1.1102474	-1.14165	-1.2313565	ACTR1A	XM_001171550.1
DM07400P1	0.00127812	-2.2988827	-2.6739671	-1.7685081		
DM00373P3	0.00127843	-1.1811758	-1.2444451	-1.2895691	MANF	XM_625020.2
DM02055P3	0.00128937	-1.0599058	-1.0444927	1.4881774	LOC1001683	XM_001948336.1
DM06922P2	0.00131003	-1.2282441	1.1338793	-2.4934065		
DM11300P2	0.00132057	1.0902544	-1.0851668	-1.1899898		
DM06758P2	0.00132899	-1.1119723	-1.1087651	-1.6048254		
DM12162P1	0.00133107	1.128987	1.3182148	1.3074169		
DM02443P2	0.00134381	-1.2625862	-1.0970275	1.5138042	ALDH1A1	NM_001087771.1
DM10996P1	0.0013463	-1.149262	-1.083798	-1.4040966		
DM09218P3	0.00135604	1.1698731	1.4591445	1.8684782		
DM07050P2	0.00137485	-3.0966828	-3.147038	-2.7859137		
DM01820P3	0.00137872	1.0936451	1.3523649	1.3758079		
DM11615P1	0.00138125	-1.0767049	-1.0427425	-1.4068466		
DM06093P3	0.00138597	-1.4036195	1.0093306	1.3615521		
DM08685P4	0.00139094	1.19823	1.4087447	1.531029		
DM01907P3	0.00139701	-1.1882569	-1.0935684	-1.4773688	DWIL\GK172	XM_002075252.1
DM02491P3	0.00141615	-1.0557406	1.0650387	1.2467006		

DM06166P2	0.0014275	1.2227008	1.2722316	1.5444314	
DM03924P2	0.00143508	-1.0632955	-1.1209022	-1.4448414	DYAK\GE105(XM_002088897.1
DM00298P1	0.00144718	-1.2251201	-1.1598529	-1.4715476	ISCW_ISCWC XM_002412481.1
DM05224P3	0.00145529	1.7024848	2.7231812	2.9207547	
DM00804P3	0.00145963	-1.1363478	1.0835736	-1.5567164	BRAFLDRAFT_XM_002608298.1
DM11399P1	0.00146043	1.7310412	1.6069156	1.1774768	
DM10570P2	0.00146185	-1.096308	-1.0895709	4.626853	
DM04903P1	0.00148486	-2.046203	-2.439588	2.6543772	
DM12253P4	0.00149022	1.4340265	1.6684308	1.8602496	
DM06445P1	0.00149343	-1.326134	-1.7566938	-2.9998217	
DM02752P4	0.00149843	-1.3582431	-1.143071	-1.7381152	LOC1000266!XM_001370341.1
DM01348P3	0.00150511	1.0648361	1.0465028	-1.4996033	DVIR\GJ1812 XM_002057389.1
DM00075P1	0.00151779	-1.0470569	-1.2016573	-1.3666525	RHOT2 NM_001080866.1
DM01800P2	0.00153174	-1.2588328	-1.3116581	-1.356581	DERE\GG250 XM_001980943.1
DM05872P2	0.00153805	-1.080257	-1.5928695	-1.6296635	
DM04058P1	0.00154057	4.990904	6.213359	5.918274	
DM04272P3	0.00154311	1.0876683	-1.0105267	-1.3355929	
DM00814P4	0.0015479	1.0123395	-1.1734372	-1.6338851	DGRI\GH123!XM_001990918.1
DM06320P3	0.00154922	-1.0804276	-1.3416773	2.2284632	
DM04223P2	0.00155227	1.0011637	-1.6934627	1.6783257	
DM03959P2	0.00155999	-1.0306475	-1.0591098	-1.432273	
DM07669P1	0.00156312	1.2540134	1.3267602	1.5587491	
DM00169P2	0.00157514	1.0141313	-1.0393965	-1.2279994	LOC659356 XM_970683.2
DM09451P1	0.00157795	-1.0652289	-1.0089855	-1.6737187	
DM00696P4	0.00158923	2.3471417	3.0084717	2.195747	BMM NM_001169974.1
DM14212P1	0.0016009	-1.0207545	-1.0100788	1.253577	
DM06439P4	0.00160367	1.0514573	-1.0183592	-1.4224464	
DM15340P2	0.00160468	-1.1985441	1.128566	-1.0225414	
DM05817P2	0.00161496	1.0054234	1.1881126	1.45234	
DM09360P2	0.00161897	-1.0519415	-1.0711194	-1.3168238	
DM00945P2	0.00162413	1.0893073	-1.0688577	-1.3291618	LOC1001420!XM_001811987.1
DM08180P2	0.00163111	-1.3348451	-1.1390979	1.291686	DPSE\GA272!XM_002137471.1
DM11180P3	0.00164497	1.086255	-1.1490444	1.42656	
DM04837P3	0.00165599	1.2195281	1.1764928	1.2087762	LOC1001138(XM_001602665.1
DM02229P1	0.00166264	-1.2775738	-1.191996	-1.411195	DYAK\GE141(XM_002092255.1
DM11880P2	0.00167083	1.1603444	1.1735657	2.0524833	
DM03930P3	0.00167525	1.1545225	1.3245859	1.6473776	
DM01000P2	0.00169558	-1.157143	-1.1742988	-1.4990541	LOC1002226:XM_002187385.1
DM03998P3	0.00170703	1.039211	-1.783708	2.3720815	
DM02561P3	0.00171069	1.0337032	-1.1995889	-1.4383124	LOC414042 XM_397478.3
DM04781P3	0.00172166	1.2179595	1.2068272	1.5835173	
DM02245P1	0.00174227	-1.4311273	-1.3941438	-1.5953078	SAMD XM_001658136.1
DM10268P2	0.00174346	-1.3803585	-2.1462646	2.16685	
DM04301P3	0.00175517	-1.0310267	1.2904092	-2.2452335	
DM10493P1	0.00175963	-1.0837187	-2.0390544	-3.5106688	
DM10701P1	0.00176272	-1.2735215	-1.0775176	-1.5500575	
DM09306P1	0.0017738	1.145085	-1.0488946	-1.3465117	
DM01696P1	0.00177383	-1.1624488	-1.0023926	1.5547581	CHIT XM_001841628.1
DM11696P1	0.00177861	-1.4349223	-1.3952729	1.151645	
DM09310P1	0.00178022	1.3311985	-1.0260274	-3.0986753	

DM05560P3	0.0017954	1.7085011	2.343446	1.6870626		
DM10763P1	0.00179777	1.169439	1.5377443	1.7185748		
DM11462P1	0.00180922	-2.2458801	-2.4067657	-2.4749725		
DM15042P1	0.00183213	1.1936307	1.4322956	-1.180998		
DM10803P2	0.00184912	1.2325658	1.2265414	-1.8578905		
DM02717P2	0.00185144	1.1794418	1.2547939	1.6840055		
DM01446P1	0.00186162	1.7636813	2.036138	3.096769		
DM09604P1	0.00187333	-1.0762149	-1.1477834	-1.4305987		
DM10908P1	0.00187475	1.0081611	-1.0481371	-1.3608106		
DM12090P1	0.00187774	-1.1906801	-1.011197	1.161354		
DM00569P1	0.00188428	2.0230756	1.7887726	-1.1858697	AGAP_AGAP0	XM_001689121.1
DM09625P1	0.00188975	1.3665794	1.1156142	1.6580987		
DM03373P4	0.00189371	2.6330974	2.6780937	1.8109722		
DM08436P1	0.00189997	-1.0900979	-1.1224753	-1.5757313	C27H5.3	NM_063082.3
DM06399P3	0.00190151	1.3341867	1.1222938	-3.4833243		
DM03484P1	0.00192323	-1.1079948	-1.0695484	-1.5301499		
DM10575P2	0.00193036	1.0415354	1.0950575	1.5383364		
DM05840P4	0.00193581	2.4750903	3.1365502	2.2282536		
DM12114P2	0.00196255	1.3508332	1.5626885	1.3171325		
DM01099P3	0.00196781	-1.122953	-1.0315439	-1.6489714	LOC1002054	XM_002163856.1
DM00316P4	0.00199841	-1.0157263	-1.1847534	-1.3392475	DSEC\GM211	XM_002033162.1
DM05335P2	0.00200021	-1.1293609	-1.9210861	1.7151065		
DM08533P1	0.00201512	1.0796673	1.1908064	-1.463394		
DM14797P1	0.00201808	-1.1134686	-1.0298893	-1.7121397		
DM10366P1	0.00202471	-1.1005172	-1.4038117	-1.5640006	LOC1000197	XM_001366295.1
DM01271P1	0.00202953	6.113601	7.490757	3.5493555	ISCW_ISCWC	XM_002413666.1
DM11406P3	0.00203295	-1.0343875	1.0239056	1.2323252		
DM14448P3	0.00204366	-1.1986036	-1.1506969	-1.5423412		
DM01608P2	0.00204518	1.0845155	1.0158007	-1.2908365	GLYG	NM_001139830.1
DM05203P1	0.00204873	-1.0614733	-1.0013269	-1.3262385	LOC1001240	XM_001607822.1
DM12734P1	0.0020554	1.071464	-1.0686281	-1.5052968		
DM06529P1	0.0020717	1.1708702	1.2999932	-1.4142737		
DM00852P2	0.00207249	-1.083537	-1.0053908	-1.4017327	LOC551987	XM_624370.2
DM03977P2	0.00207465	-1.3982252	-1.0881958	-1.7011019	TTC30B	NM_001127607.1
DM08196P4	0.0020807	-1.696929	-1.5998951	-1.0537168		
DM06183P1	0.00214897	-1.0866528	-1.176961	-1.3476866	LOC578921	XM_001184577.1
DM00334P3	0.00215373	-1.0109916	1.0147725	-1.297851	DWIL\GK171	XM_002061740.1
DM08518P1	0.00216932	1.0514939	-1.0218891	-1.496452		
DM05966P2	0.00217459	-1.2148533	-1.2613696	-1.5095931		
DM05862P1	0.00217575	-1.0356402	-1.4200429	-1.0308042		
DM05653P1	0.00217758	-1.0039787	-1.0915298	-1.2231815		
DM12598P3	0.00218112	1.1174667	1.3353868	1.808197		
DM01986P1	0.0021878	-1.1971171	-1.2973472	-1.5085453	NEMVEDRAFT	XM_001626918.1
DM03985P1	0.00220436	1.1985651	1.1310817	2.6730566		
DM11979P1	0.00221286	1.0270275	1.152171	1.2122868		
DM08171P1	0.00221765	1.1937972	1.3403937	1.6462518		
DM06113P3	0.00223255	-1.1082468	-1.0279382	1.2114217	DGRI\GH180	XM_001990790.1
DM07495P1	0.00226008	-1.1328833	-1.7118709	-2.075642		
DM01448P4	0.00226137	-1.1215595	-1.325749	-1.3294228	LOC1001617	XM_001950712.1
DM12823P1	0.00227699	1.1026525	1.2034918	-1.288202		



DM09845P3	0.00227906	1.3497237	1.4594702	1.1461989		
DM10780P1	0.00232337	1.0370225	-1.0770116	1.4835852		
DM13427P4	0.00232415	1.2362999	-1.0663399	-1.2518148		
DM07811P3	0.00235595	-1.3015168	-1.173276	-1.0750271		
DM08066P2	0.00236541	-1.0176288	1.0084308	1.3892819		
DM12355P1	0.00236838	1.5058897	1.689724	3.2387326		
DM08053P2	0.00237479	2.4705627	3.8694947	2.2578447		
DM05415P1	0.00237779	1.2102324	1.4788231	1.5664456		
DM01367P3	0.00238589	-1.0621122	1.0561937	1.2643584	DMOJ\GI191	XM_002005214.1
DM14869P1	0.00238645	1.160704	1.4789014	1.4240999		
DM11793P3	0.00239697	1.1628132	1.0522339	-1.152001	GM4880	NM_023858.3
DM05131P4	0.00239719	1.2791964	1.3370231	1.307776		
DM09311P2	0.00243929	-1.1442	-1.071243	1.4496726		
DM09690P3	0.00244846	-1.0903805	-1.0952046	-1.3794233		
DM00021P1	0.0024588	-1.1871808	-1.2860682	-1.2776576	NEMVEDRAFT	XM_001627260.1
DM07474P4	0.00246379	1.4313624	1.9834788	1.573901		
DM04988P2	0.00248792	1.0115123	1.1338732	-1.2539041		
DM05567P1	0.00250013	1.871058	2.3999627	2.1896822		
DM11602P2	0.00251762	-1.136742	-1.2167838	-1.3640457	LOC656519	XM_963045.2
DM03778P2	0.00253768	-1.0692645	-1.1796067	-1.3534142		
DM14646P1	0.00254412	-1.3683201	-1.2451711	1.0444862		
DM14867P1	0.00254455	1.04013	1.2251599	-1.6382643		
DM01050P2	0.00255327	-1.0860103	-1.0165493	-1.28959		
DM00965P3	0.00255931	-1.186096	-1.3964604	-1.624356	LOC1001153	XM_001599682.1
DM12917P1	0.00256433	-1.550503	-1.6163505	-1.6428133		
DM01009P3	0.00257266	-1.09806	1.0144491	-1.3156587	METTL2	NM_172567.3
DM12796P3	0.00258384	-1.1866465	1.0635887	1.5685532		
DM03725P2	0.00261016	1.2373703	1.0828476	-1.0881673		
DM01864P2	0.00261983	-1.1265109	-1.3344223	-1.4270123	TRIADDRAFT	XM_002114628.1
DM03145P3	0.00263576	-4.2508583	-4.4522595	-1.2210323	LOC1002744	NM_001148825.1
DM02159P1	0.00264249	-1.0816579	-1.1558225	-1.4140371	AGAP_AGAP0	XM_307929.4
DM02704P1	0.00264773	1.1115713	1.1048937	1.6166126		
DM11239P2	0.00265511	-1.032185	1.0565864	-1.4015462		
DM02334P1	0.00265732	-1.0647063	-1.2335308	-1.3556315	PROS45	NM_134603.1
DM04653P1	0.00266403	1.9035199	2.4473617	1.5042416		
DM07245P2	0.00267795	1.1291344	1.6290376	2.8492188		
DM00268P2	0.00267925	-1.1312652	-1.2059805	-1.3884822	LOC1001646	XM_001946418.1
DM06105P1	0.00268822	1.0059094	-1.074432	-1.4952664	DWIL\GK208	XM_002061292.1
DM10631P4	0.00272755	1.0481155	1.1782737	-1.3043422		
DM05735P3	0.00273035	1.2643832	1.1373732	-1.2642254		
DM11400P2	0.00273999	1.3520168	1.484868	-1.0492947		
DM03475P3	0.00275688	-1.137142	-1.0720823	-1.7048621		
DM03634P3	0.00276143	-1.2618186	-1.1974818	-1.54192	BRAFLDRAFT	XM_002613798.1
DM06134P1	0.00276161	-1.1150906	-1.0661155	-1.3118699		
DM05197P3	0.00276785	1.0453413	1.057936	1.3002946		
DM04916P2	0.00280988	-1.0986576	-1.0688211	-1.4611118		
DM06044P1	0.00281144	-1.5853485	-1.6527685	-1.1056036		
DM01893P1	0.00281622	-1.137679	-1.0222858	-1.7993982	FG00571.1	XM_380747.1
DM07487P2	0.00281891	-1.0744293	1.1003208	-1.2151709		
DM13097P3	0.00282422	-1.6045464	-2.0020337	1.6634687		

DM09793P1	0.00283	-1.0006473	-1.0895236	-1.2314116		
DM00337P1	0.0028484	-1.1217914	-1.1642816	-1.315233	BRAFLDRAFT_XM_002608112.1	
DM11342P2	0.00287563	-1.1369799	-1.0680573	-1.5309688	C27H5.3	NM_063082.3
DM08432P2	0.00287828	1.098788	1.1830722	1.7491331		
DM14982P1	0.00289559	1.0138892	1.751483	1.0514225		
DM01233P4	0.00291568	1.569858	1.5200124	1.2900499	CPIPJ_CPIJOC	XM_001849333.1
DM03062P1	0.00291917	1.0030584	-1.2214279	-1.5119214	LOC1001655	XM_001950795.1
DM12846P1	0.00293758	1.2565173	1.4840382	1.1915623		
DM08784P1	0.00296072	-1.1415377	1.1449808	1.2554747		
DM02472P4	0.00296138	1.3353833	1.591909	1.3220612		
DM12249P2	0.00296414	-1.3490646	-1.374772	-1.7120101		
DM10914P3	0.00296472	-1.0960708	1.2569773	2.0375364		
DM06712P2	0.00296733	1.2286323	1.5416101	1.4529638		
DM13006P2	0.00299809	-1.1721698	-1.0592667	1.5827451		
DM13256P3	0.00300509	-1.1039087	-1.1344212	-1.4217842		
DM00427P1	0.00300612	1.1761653	-1.1923968	-1.4114215	BMP	XM_001663364.1
DM03385P2	0.00300896	-1.006585	-1.146721	-1.382492	LOC656679	XM_963188.2
DM00498P1	0.00301794	-1.1088759	-1.363309	-1.4657024	LOC692991	NM_001046828.1
DM06038P3	0.00302788	1.0496923	-1.1298525	1.391544	LOC552800	XM_625175.2
DM08507P1	0.00302906	-1.0101385	1.2676477	1.1951771		
DM01221P3	0.00305098	1.0706708	1.2587287	-1.2213278	DPH2	XM_001650846.1
DM05700P3	0.0030569	-1.028045	-1.111819	1.1362066	NEMVEDRAFT	XM_001638161.1
DM11327P1	0.00305904	1.0909588	-1.2330812	1.3973794		
DM06749P1	0.00306411	1.0352172	-1.0216573	1.484157		
DM07761P1	0.00306861	-1.2549161	1.2300186	-1.085015		
DM01319P2	0.00308002	-1.2451473	-1.0956249	-1.517211	LOC659830	XM_966102.2
DM11196P3	0.00308187	1.0577816	-1.1394095	-1.2237158		
DM07230P2	0.00308637	2.1573613	2.433098	3.3758957		
DM09121P1	0.00309363	2.052018	2.115552	2.372035		
DM11720P3	0.00310397	-1.0623312	-1.1956853	-1.3953677	IF2	XM_001659813.1
DM01029P2	0.00314926	-1.057433	-1.0479528	-1.309498	METAP1D	NM_001162303.1
DM14648P1	0.00315122	1.0974488	1.1131676	1.3051229		
DM00883P1	0.00317117	1.2753911	1.5455259	1.760418	LOC1000636	XM_001494831.2
DM04025P4	0.0031778	1.0643327	1.017774	-1.6565763		
DM00587P3	0.00318385	1.6840292	1.8136021	1.7457117	LOC412744	XM_396197.3
DM12317P1	0.00318755	1.1871547	-1.1426716	-1.3774452	ATL2	XM_001168098.1
DM04118P1	0.00319344	1.0187913	1.0585065	-1.1896204	LOC1002281	XM_002187955.1
DM09593P2	0.00319568	-1.0069654	1.0444196	1.2891809		
DM08429P1	0.00319818	1.247945	1.2640961	1.5840813		
DM06775P2	0.00320321	1.3241272	1.5205643	-1.3481245		
DM06135P2	0.00321671	-1.1418897	-2.0290308	-3.1811564		
DM06696P1	0.00321739	-1.066595	-1.1495174	-1.2941742		
DM11589P3	0.0032182	-1.0881627	-1.015305	-1.3355603		
DM11672P2	0.00321961	-1.0986584	-1.0729697	-1.2577324		
DM12891P1	0.00322129	-1.0629004	1.00677	1.2567674		
DM05623P1	0.00323178	1.2320421	1.0067431	1.1706672		
DM10196P1	0.00325843	2.8020296	5.0771165	1.6787643		
DM12367P4	0.00326101	1.0589678	1.1517558	1.364758		
DM05809P1	0.00327057	-1.5623306	-1.5409759	1.0298231		
DM01570P1	0.0032713	-1.019538	-1.2495224	-1.171529	RHO1	XM_623222.2

DM12352P1	0.00327647	-1.0657052	1.0530126	-1.3587252		
DM04411P1	0.00330011	-1.0550929	1.1563805	-1.2889805	DANA\GF119	XM_001959602.1
DM12118P2	0.00330353	1.5744175	1.7616863	1.7596314	DERE\GG172	XM_001980589.1
DM02620P4	0.00330416	-1.1655234	1.0391356	1.754331		
DM05835P1	0.00332956	-1.0430357	1.3640832	-1.4499848		
DM06542P1	0.00333711	1.2087386	1.1643925	1.4716066		
DM12412P2	0.00338246	1.5398825	1.8739442	-1.2469201		
DM02070P2	0.00338632	-1.1695744	-1.2415787	-1.4497867	DANA\GF165	XM_001954760.1
DM00398P2	0.00339621	1.0494965	1.0219165	-1.3740343	LOC1000841	XM_001514656.1
DM04486P2	0.00340451	1.1480337	1.2206042	1.2262242		
DM01744P1	0.0034163	1.3497137	1.2779526	1.2781893	LOC552832	XM_625207.1
DM00022P3	0.0034188	-1.1189597	-1.0536706	-1.5360148	TBB-4	NM_077184.3
DM05091P2	0.00343404	1.2655835	-1.0049733	-3.0488906		
DM09472P3	0.00344099	1.0561867	-1.1197853	-1.3593627		
DM07978P2	0.0034557	1.0024314	1.5780963	1.5330492		
DM08981P2	0.0034587	-1.1966016	-1.0661588	-1.9402546		
DM09347P1	0.00347077	-1.1775714	1.0274007	1.7450479		
DM11978P3	0.00347096	1.1890018	1.0786848	-1.3108112		
DM04873P1	0.00347215	1.0821265	1.0479103	-1.3636687		
DM15066P2	0.00347799	-1.0305665	-1.0101484	-1.2518823		
DM04787P3	0.00349615	1.0541118	1.1880159	-1.2481054		
DM04063P1	0.00350418	1.114002	1.2297976	1.4526241	LOC1001688	XM_001946504.1
DM04669P3	0.00350646	-2.6101708	-2.825964	-4.7050714		
DM04198P3	0.00350708	1.5583758	1.3261226	1.7374239		
DM09952P3	0.00351265	-1.1050396	-1.0820489	-1.3487312		
DM00220P1	0.00354649	1.0601258	-1.0127153	-1.1352121	CBL	XM_605809.4
DM05175P2	0.00355409	1.0622578	-1.1736543	-1.4883262		
DM00324P3	0.00355781	-1.0539172	-1.061645	-1.405183	CPIPJ_CPIJ01	XM_001863386.1
DM05304P1	0.00357127	1.1462659	1.0153297	-1.1782482		
DM11086P3	0.00357467	1.054731	1.1116716	-1.1172595		
DM00184P2	0.00357956	1.0946001	-1.0421321	-1.3862787	AP2A2	NM_001142851.1
DM04519P3	0.00358175	-1.2736728	-1.1135437	-1.6088501	LOC412349	XM_395810.3
DM01502P2	0.00359019	1.2760758	1.0534803	-1.112353	LOC1002062	XM_002156722.1
DM06442P2	0.00359328	-1.2693663	-1.274079	-1.5059842		
DM13630P3	0.00365673	3.426231	4.6214085	2.539486	DVIR\GJ1266	XM_002046130.1
DM13532P1	0.003679	-1.2992213	1.0182941	1.2193393		
DM07337P1	0.00367942	1.4748086	1.8577745	1.6614673		
DM03370P3	0.00368089	1.3781466	1.5213541	-1.1484938	CG2767	NM_001144553.1
DM09175P1	0.00370591	-1.0434233	-1.0613855	-1.4364803		
DM08957P3	0.00371119	1.0382584	1.2941189	1.4608456		
DM11108P3	0.00373324	-1.0225687	1.1624554	1.2460442	SYF2	NM_001085936.1
DM12547P3	0.00374023	1.1124305	1.2491146	-1.3962917		
DM06551P2	0.0037485	-1.5542439	-1.398083	2.0081174		
DM05882P3	0.00375121	1.1692001	1.1452837	-2.8402696	DYAK\GE254	XM_002096070.1
DM00560P4	0.00378113	1.0097415	-1.1811048	-1.2626946	DVIR\GJ1977	XM_002058859.1
DM00451P3	0.00378791	1.104758	-2.2313607	-1.4170806	BRAFLDRAFT	XM_002612935.1
DM05295P3	0.00379763	1.0135071	-1.0149254	-1.3963618		
DM03574P2	0.00379972	1.0484076	-1.027534	-1.4055393	LOC661534	XM_967685.2
DM14151P2	0.00380345	-1.2215359	-1.250591	-1.6165738	DVIR\GJ1727	XM_002051900.1
DM04677P2	0.00381579	-1.1603775	1.1145667	-1.7331021		

DM11958P4	0.00385377	1.1376998	-1.1736543	-1.2714496	
DM08270P1	0.00385422	1.3862153	1.7850345	2.2270842	
DM11824P1	0.00386641	-1.2481524	-1.491213	-1.5733345	LOC1001682 XM_001946431.1
DM03121P3	0.00388067	-1.2153546	-1.1442236	-1.4867568	DWIL\GK215 XM_002063059.1
DM02052P2	0.00388559	-1.0198772	-1.4037572	1.5562549	BRAFLDRAFT XM_002604201.1
DM07284P1	0.00388699	-1.2379017	1.1733913	-2.6743326	
DM07957P3	0.00388734	-1.1707237	1.1731522	1.5385466	
DM10725P2	0.00390757	1.0253578	-1.00593	1.3799797	
DM08578P1	0.00390991	1.8108307	1.8162444	1.733755	
DM10111P1	0.00394573	-1.1435603	1.5092199	1.2288759	
DM06956P2	0.003949	1.0908036	1.363727	1.7199341	
DM03663P3	0.00395124	1.647546	1.5433544	1.2869059	DANA\GF187 XM_001955346.1
DM02146P1	0.00395884	1.1749703	1.2044344	1.1655457	DSEC\GM185 XM_002037896.1
DM09336P3	0.0039654	1.0980387	1.1071757	-1.2313604	
DM09190P2	0.00397614	1.0532706	1.4230545	1.8255726	
DM01077P3	0.00398045	1.01028	-1.0310991	-1.2906876	
DM08832P1	0.00398548	-1.0939134	-1.2187155	-1.1327511	
DM12566P1	0.00400168	1.1769515	1.0363946	1.6203573	
DM03472P2	0.00401796	1.0178406	-1.0101941	-1.3041253	
DM11583P2	0.00401884	1.136464	-1.167709	-1.119361	
DM12707P2	0.00401904	-1.0147558	-1.2001463	-1.4628003	
DM06450P1	0.00403825	1.0491635	-1.1017586	1.569124	
DM05631P2	0.00405685	1.2765701	1.0935186	-2.4438553	
DM10498P3	0.00406568	-1.3541342	-1.1312879	-2.300277	
DM02939P3	0.00406691	1.0477936	1.1142564	-1.2081243	
DM02923P1	0.00407357	1.0005627	-1.1771785	-1.3404435	LOC586206 XM_785997.2
DM08974P1	0.00408176	-1.2241598	-1.1412157	-1.3775543	
DM12810P1	0.0040836	-2.7810102	-3.701189	-6.689043	
DM03997P3	0.00410557	-1.0824695	1.4409465	-1.0008276	LOC1001636 XM_001944428.1
DM00919P1	0.00410606	-1.0522985	-1.0739319	-1.3008643	
DM00010P4	0.00412234	1.2503986	1.6602291	1.664003	LOC1000140 XM_001368331.1
DM03524P1	0.00412377	-1.1627816	-1.1236247	-1.5429534	
DM01179P4	0.00413448	1.0324981	1.0556757	1.3254205	
DM09416P3	0.00413548	1.0264552	-1.0854062	-1.3535968	
DM00593P3	0.00413584	-1.0357363	-1.0846672	-1.6348747	MCM5-B NM_001086540.1
DM06422P2	0.00413734	1.3338704	1.3967022	1.3636675	
DM06808P1	0.00414012	1.4902976	1.8185169	1.7364994	
DM00170P1	0.00416562	-1.0966226	-1.1304221	-1.4036942	PSMC4 XM_001652594.1
DM05112P2	0.00416812	-1.4720935	-1.3604071	-1.0605423	
DM07892P2	0.00418437	1.1666855	1.0695266	-1.3504833	
DM05007P1	0.00418794	1.3289918	1.3716413	1.1438462	CLN3 XM_523328.2
DM14263P1	0.00418841	-1.5379131	-1.2352222	1.1997701	
DM06162P1	0.004198	-1.1742648	-1.069342	-1.4323266	HRP28 NM_001111354.1
DM01794P1	0.00419991	-1.0813026	-1.0957184	-1.326171	DWIL\GK163 XM_002067312.1
DM03328P2	0.00420513	1.6304425	1.6753346	-1.0978037	DVIR\GJ1266 XM_002046130.1
DM09735P2	0.00422448	-1.0359172	-1.153779	-1.7676157	
DM00490P1	0.00426464	-1.0614841	-1.0696043	-1.4331319	CCT5B NM_001097075.1
DM01442P3	0.00430888	1.0807017	-1.1450524	-1.1833924	P38MAPK NM_001142865.1
DM10425P3	0.0043092	1.0346427	1.1658534	-1.1501168	
DM00680P3	0.00432886	-1.050971	-1.113296	-1.2624846	DYAK\GE206 XM_002090065.1

DM02513P3	0.00433082	-1.0990359	-1.1655576	-1.3385007	DCP1B	NM_001134200.1
DM04399P2	0.0043337	1.1096774	1.3190504	1.6048771	LOC1000606	XM_001492869.2
DM01964P1	0.00434063	-1.1827178	-1.1755291	-1.2479522	DERE\GG227	XM_001979637.1
DM00729P3	0.00434352	-1.1543084	-1.1945711	-1.4282185	AT1G62020	NM_104882.4
DM01347P1	0.00434693	1.3067633	1.5322255	1.5135092	LOC594823	XM_794247.2
DM06011P2	0.00435118	1.038281	-1.0443312	-1.2812625		
DM04741P4	0.00436081	-1.0832834	1.056506	-1.5062551		
DM13493P2	0.00437005	-1.0417142	1.0467306	1.3132894		
DM05257P1	0.00437899	-1.2064191	-1.31909	-1.1997503	NEMVEDRAFT	XM_001633252.1
DM01688P1	0.00439007	-1.0778959	-1.0914745	-1.3945853	DMOJ\GI187	XM_002006046.1
DM11706P3	0.00439345	1.5940341	1.4623533	-1.3167794		
DM14310P1	0.00439735	1.381809	1.7786804	1.5772074		
DM03986P1	0.00439987	1.4285781	1.9460263	-1.9236001		
DM04957P2	0.00440269	-1.1286206	-1.0586545	1.4200221	TRIADDRAFT	XM_002108033.1
DM10524P2	0.00440655	-1.8555003	-2.0187533	1.0806916		
DM04816P3	0.00441076	-1.1317278	-1.4829088	1.2423334		
DM05337P3	0.00441449	1.127769	-1.1596159	-1.2330937		
DM01904P2	0.00441921	-1.2142221	-1.086912	-1.38439	LOC692970	NM_001046809.1
DM01761P3	0.00442407	-1.6782938	-1.5266441	1.1563632		
DM01995P1	0.00443073	-1.2098778	-1.1784772	-1.3557363	LOC1001678	XM_001945366.1
DM08688P4	0.00444455	1.0305732	1.0121537	-1.2819328		
DM02371P2	0.0044451	-1.5321546	-1.4412307	1.2803526	LOC448984	NR_002170.3
DM01206P1	0.0044503	-1.0203061	-1.168183	-1.2332741	PDCL3	XM_858229.1
DM04297P3	0.00445221	-1.0989331	1.9650002	1.4033346		
DM05537P1	0.00445727	1.0818268	-1.036667	-1.1777844		
DM05711P3	0.00448805	1.2317107	1.5443571	1.4383067		
DM00102P1	0.00450167	1.0378147	-1.1661422	-1.3480737	CDC5L	XM_624903.2
DM03060P3	0.00450383	1.0088854	-1.0581127	-1.3258076	LOC1000127	XM_001363686.1
DM05762P1	0.00450722	-1.1129844	-1.1045626	-1.4261941		
DM02866P4	0.00451279	1.2764882	1.2366842	1.1597326	NEMVEDRAFT	XM_001624461.1
DM01365P3	0.00453524	-1.1423949	-1.255434	-1.6078746	EIF3L	NM_145139.2
DM00776P2	0.00454214	-1.1545397	-1.2313966	-1.2780925		
DM04393P1	0.00456002	-1.1258143	-1.044682	1.1170468		
DM09189P3	0.00457874	-1.0070729	-1.1814917	1.3780968		
DM12053P2	0.00460477	-1.2002116	-1.1088983	-1.3781251		
DM05340P3	0.00461064	-1.1927804	-1.1241263	-1.5205618		
DM08359P1	0.0046697	1.4028753	1.4663509	2.009681		
DM03112P2	0.00468179	1.0766934	-1.2690679	-1.2158928		
DM00928P1	0.00468362	-1.2511444	-1.0872794	-1.5014426	SNRPD3	NM_001017093.2
DM06590P3	0.00468872	1.0643767	1.1697319	-1.2163616		
DM00302P1	0.0047207	-1.0007833	-1.255142	-1.2397517	LOC662115	XM_968232.1
DM04879P4	0.00472987	-1.1646427	-1.6584028	-1.6950063		
DM10651P2	0.00473009	1.1148425	1.0364202	-1.4159273		
DM07216P2	0.00474191	-1.3026286	-1.0050681	1.2655405		
DM13744P1	0.00474296	-1.1130217	-1.0237552	1.4277353		
DM11243P2	0.00475411	1.0802025	-1.0631748	-1.5909281		
DM11883P3	0.00475761	1.0554076	1.0292833	1.392616		
DM11261P1	0.00476028	1.0368122	1.1806841	-1.2860674		
DM03794P1	0.00476987	-1.115428	-1.0528969	-1.3229667		
DM00195P4	0.00477433	1.2386869	1.2661388	-1.2716662	LOC1001242	XM_001608109.1

DM12729P1	0.00477448	-1.1619793	-1.051532	1.0909932		
DM00960P1	0.00478365	-1.1285754	-1.0135356	-1.199598	BANF1	NM_205562.1
DM10478P1	0.00478828	-1.008121	1.299613	1.335223		
DM03324P2	0.00483306	1.0536422	-1.0524633	1.245071	POPTRDRAFT	XM_002306684.1
DM06557P2	0.00484744	1.0278095	1.1002654	1.4226729		
DM11475P2	0.00486367	-1.0805405	-1.1532171	-1.4169875		
DM11581P4	0.00486735	1.0886436	-1.1079798	-1.3723459		
DM00764P2	0.00487296	-1.1855084	-1.0951917	-1.4003564	NEMVEDRAFT	XM_001632034.1
DM11085P1	0.00487331	-1.1930418	-1.3001068	-1.9625766		
DM03509P1	0.00488432	-1.560998	-1.2287954	1.1860482		
DM02722P1	0.0049021	-1.0290678	-1.0533532	-1.4693267	OLA1	XM_856197.1
DM09454P2	0.00490282	1.0832236	1.2941464	-1.2326157		
DM12006P2	0.00492085	1.090489	1.0385834	-1.13901		
DM01094P1	0.00492553	1.3196943	1.383665	1.4363302	TRIADDRAFT	XM_002117079.1
DM10773P1	0.00494869	1.5625951	1.6121604	1.5549436		
DM05949P2	0.00495372	1.3394378	1.668379	1.8774776	LOC658676	XM_965040.1
DM06848P1	0.00496041	1.071084	1.0157658	-1.2776312		
DM05334P3	0.0049639	-1.0670215	-1.0901897	-1.7397689		
DM00968P2	0.00498089	1.8005394	2.3064208	2.0489323	DSEC\GM127	XM_002037109.1
DM06432P2	0.00498126	-1.1712747	-1.2262833	-1.5591561		
DM11354P1	0.00498243	2.5689754	4.149077	4.53424		
DM07111P3	0.00498795	1.6337149	1.8032627	1.5686294		
DM11271P4	0.00499387	-1.0096782	-1.0439632	1.1988616		
DM08129P1	0.00499599	2.4825974	1.7477515	-1.2620273		
DM02822P1	0.00499716	-1.2206883	-1.286321	-1.3005623		
DM03022P1	0.00500138	1.1924807	1.2145246	1.7609416	TGM4	NM_001130909.1
DM07045P1	0.00502603	1.0828125	-1.0462881	1.5038326		
DM06905P2	0.00504654	1.2328329	1.3241856	1.1529009		
DM05154P2	0.00504687	1.101044	-1.104569	1.4203998	DGR1\GH217	XM_001987076.1
DM06032P1	0.00506981	-1.204696	-1.4831728	-2.9731636		
DM11393P1	0.00509129	-1.0788271	-1.1213826	-1.286418		
DM11040P1	0.00514891	-1.0455483	1.1492465	-1.2596611		
DM00768P3	0.00516399	-1.0872457	-1.2259887	-1.4402072	KLLA0F05005	XM_455307.1
DM04430P2	0.00517757	-1.1484926	-1.0386353	-1.4878845		
DM06370P1	0.00520155	1.9895153	1.844341	1.2635264	DSEC\GM249	XM_002029583.1
DM05505P2	0.00521221	1.1823105	-1.6517869	1.4483571		
DM08043P3	0.00524781	1.0889949	1.204846	-1.749926		
DM08737P4	0.00526645	1.592387	1.7921457	-1.824528		
DM07215P1	0.0052959	1.6037005	1.8048236	2.0129142		
DM02639P2	0.00531963	1.2907627	1.5801884	1.6729913	RSAD2	NM_001025556.1
DM03742P4	0.00534898	1.036488	-2.590214	1.2701856		
DM00802P3	0.00536224	1.3722329	1.3027363	1.2475722	LOC552832	XM_625207.1
DM05972P3	0.00536584	-1.1376725	1.0569632	-3.0547945		
DM02237P2	0.00536702	-1.312503	-1.1360589	-1.605858	PHF5A	XM_001896429.1
DM00219P2	0.00536974	1.299892	1.1370583	1.0043645	AGAP_AGAP0	XM_318292.2
DM09634P3	0.00537859	1.2467135	1.0470351	-1.4115654		
DM05279P3	0.00541844	-2.5706909	-4.351204	-1.4093821	POPTRDRAFT	XM_002335211.1
DM02485P1	0.00543046	-1.6593745	-2.1215293	1.0589445	NEMVEDRAFT	XM_001628525.1
DM02663P1	0.00543369	1.1707207	1.1412679	1.6889399		
DM11663P1	0.00543424	1.0464902	1.1277534	-1.2075804		

DM00281P1	0.00543857	1.1479857	1.1371268	1.1388844	MUT	XM_532164.2
DM11442P1	0.00545004	-1.1318994	-1.188279	1.0072247		
DM05816P4	0.00546258	-1.0470749	1.0404507	-1.600958	AN6119.2	XM_658631.1
DM14241P3	0.00548346	1.1558527	1.1822901	2.327369		
DM04764P2	0.00550722	-1.0473881	1.0276191	-1.1769751		
DM07341P2	0.00552149	-1.1730788	-1.2797288	1.3390278		
DM09714P2	0.00552511	-1.042534	-1.0978912	-1.4294417		
DM06383P2	0.00554638	2.7937164	3.4231355	2.7588084		
DM00502P3	0.00558119	1.0271266	1.0039723	-1.1564989	LOC580289	XM_780359.2
DM10974P1	0.0055922	-1.2538877	-1.4650277	-1.2577477		
DM06916P3	0.00560076	-1.1787382	-1.1031432	1.220659		
DM06932P3	0.00561411	1.1420326	1.3563387	1.8775462		
DM04450P3	0.00562482	1.5140113	1.9093481	-1.0967271		
DM07350P3	0.00563176	1.0779252	1.1319435	1.263295		
DM11727P1	0.00565141	-1.0358424	-1.1201521	-1.2389246	SN	XM_396175.3
DM05717P3	0.00569682	1.1014947	1.1432847	-1.2110599		
DM05542P1	0.00572054	-1.3547432	-1.3755815	1.22151		
DM03542P2	0.00572226	-1.040074	-1.0407101	-1.2150824	DERE\GG185	XM_001976854.1
DM00438P2	0.00572648	-1.1941177	-1.0279157	-2.1254168	LOC1001646	XM_001948913.1
DM03889P1	0.00576045	-1.0357101	-1.039202	-1.5137794		
DM06741P3	0.00577795	-1.3629073	-1.198336	1.3450285		
DM00011P3	0.00578057	-1.0520557	-1.0574632	-1.210461	DMOJ\GI199	XM_002004510.1
DM11463P2	0.0057831	1.2042644	-1.0241519	-1.1219583		
DM02775P1	0.00578434	-1.0945956	1.5918195	1.7207797	DNAJC28	NM_001015977.1
DM06494P2	0.00578507	-1.131876	-1.2819403	-1.483735		
DM01165P1	0.00580773	-1.1706953	-1.2171118	-1.5451936		
DM00321P2	0.00581375	1.1443186	1.3761959	1.4781358	MONBRDRAF	XM_001749025.1
DM11726P3	0.00581917	1.0530442	1.088528	-1.4131949		
DM12611P4	0.00582	1.2423525	1.2816371	1.4608959		
DM04676P1	0.00582297	-1.107345	-1.1456832	1.1472459		
DM08401P1	0.00582583	-1.2389007	-1.056996	2.110674		
DM09971P1	0.00584137	1.5005202	1.6342542	1.6192936	DYAK\GE246	XM_002097109.1
DM09027P1	0.00584773	-1.3084811	-1.1151099	-2.478854		
DM01308P1	0.00586579	1.0595663	1.0911913	-1.2332551		
DM11479P1	0.00588664	-1.1497908	-1.2568604	-2.2063024		
DM10180P1	0.00589355	-1.4628001	-1.3861139	-1.1581104		
DM02399P2	0.00590383	1.1105443	1.0622178	1.2520502	LOC1001236	XM_001607215.1
DM09195P3	0.00592923	-1.3031138	-1.1099644	-1.4827675		
DM08984P1	0.00593516	1.0865351	1.0114948	-1.1460451		
DM13939P2	0.00593692	-1.0947407	1.0334433	-1.4337049		
DM08565P1	0.00594094	1.2323198	1.5189035	-1.2920971		
DM10954P1	0.0059527	1.0254195	-1.1010159	-1.3781844		
DM05216P1	0.00595589	5.509706	6.380978	4.0135565		
DM00629P1	0.00599029	-1.1836174	-1.0854039	-1.4405346	PWP2H	NM_213047.1
DM01006P4	0.00599746	1.0460702	-1.1314734	-1.2819809	DGRI\GH245	XM_001991997.1
DM06968P1	0.00601108	-1.1862593	-1.1339496	-1.4871739		
DM02657P2	0.0060155	1.0059992	-1.1455808	-1.6682506		
DM06767P1	0.00603921	-1.1211716	-1.1762676	-2.1511068		
DM00789P1	0.00604246	-1.1969333	-1.3752731	-1.2373688	SEL1L	NM_001096558.1
DM00348P1	0.00604409	-1.4495299	-1.4108757	-3.4733615	LOC1000815	XM_001512289.1

DM11902P1	0.00605504	1.4927269	1.6238089	1.6095899		
DM00130P2	0.0060708	-1.2344229	-1.0961664	-1.6371886	DVIR\GJ2319	XM_002053675.1
DM02525P1	0.00608291	-1.6443233	-1.130176	-2.7090793	DPER\GL178C	XM_002029022.1
DM04655P3	0.00611187	1.7626364	1.9209832	1.7674339	LOC657581	XM_001811711.1
DM06434P1	0.00611982	-1.0141791	-1.1336153	-1.3312974	LOC584331	XM_001196118.1
DM12378P1	0.00612586	1.0745004	1.0284916	1.2888643		
DM05232P2	0.00614903	1.0197096	-1.4394164	-1.0778561		
DM03501P4	0.00616848	-1.9054233	-1.7389002	-2.256148		
DM06396P1	0.00618051	-1.1312811	-1.1327459	-1.3324326		
DM01316P3	0.00618198	-1.0981586	-1.093197	-1.4930078	LOC1002239	XM_002199120.1
DM09850P1	0.00618228	1.3042618	1.115696	1.3132831		
DM08638P2	0.00619973	1.1475166	1.299345	1.3752185		
DM00963P2	0.00620293	1.0185306	-1.1871701	-1.2245393	VIB	XM_624561.2
DM00248P3	0.00621135	-1.0364735	1.2618454	1.0414122	U1C	XM_001844951.1
DM03298P3	0.00622176	1.5368123	1.6792637	1.2382041		
DM11291P3	0.00622381	1.1049063	-1.2544675	-1.9531116		
DM00395P1	0.00622966	-1.19105	-1.1984304	-1.3444749	LOC1000237	XM_001375188.1
DM03496P1	0.00623824	-1.0146163	1.1088295	-1.399222		
DM02030P2	0.00624904	-1.0280819	-1.0354531	-1.2498688	LOC692802	NM_001046649.1
DM06797P1	0.00624972	2.2201715	4.7851386	2.794578		
DM13085P2	0.00625608	-1.1605545	1.2415298	1.405997		
DM01724P2	0.00626923	-1.2331791	-1.0348303	1.1558934	DWIL\GK229	XM_002074715.1
DM05037P1	0.00627824	1.2487286	1.1180164	1.0723565		
DM01866P2	0.00628716	-1.1364179	-1.1972427	-1.3770419	LOC1002044	XM_002158614.1
DM11590P2	0.00629726	1.0229563	-1.0171442	-1.3186692		
DM08627P3	0.00630577	-1.0478879	1.5024639	1.9272046		
DM14610P3	0.00630734	1.1334974	-1.2306951	1.3529055		
DM10762P3	0.00631372	-1.059105	-1.5936329	-1.8074386		
DM06007P1	0.00632377	2.4618142	2.1931045	1.9274796		
DM02409P1	0.00633523	-1.1604011	-1.3554459	-1.3991362	LOC1000566	XM_001502591.2
DM04478P3	0.00633536	3.000081	3.964953	3.7378454		
DM02760P1	0.00634132	-1.0335052	-1.0529137	-1.1712872	LOC1001686	XM_001945818.1
DM10717P3	0.00635982	1.1460781	1.3722745	1.5405802		
DM12531P2	0.00636103	1.5234038	1.5497063	1.6071223		
DM07678P2	0.00636637	1.2825766	1.6952826	1.4195049		
DM00164P1	0.00636951	1.045175	-1.1363171	-1.4115087	LOC1001153	XM_001600045.1
DM06771P1	0.00638513	-2.3005958	-2.0371768	1.0929716		
DM02664P3	0.0063956	-1.1601756	-1.0599211	-1.3617207	B52	NM_001170134.1
DM06733P1	0.00642243	-1.1631733	-1.0390524	1.1364014	DSIM\GD206	XM_002103836.1
DM09994P2	0.00642617	1.0008385	-1.2268142	-2.0655518		
DM05674P1	0.00643749	-1.0613592	1.0047235	-1.4482263		
DM06885P3	0.00644371	1.4633718	1.0415505	-3.174557		
DM02435P3	0.00647745	1.0648166	1.088111	1.6274397	COLP3ALPHA	NM_214466.1
DM15020P2	0.0065186	-1.0402117	-1.0050665	1.4259313		
DM06826P2	0.0065276	-1.8570952	-1.6865199	-1.627335		
DM09937P1	0.00653489	-1.178064	-1.0694592	1.1352769		
DM01760P1	0.00655191	-1.0022916	-1.1400356	-1.2149156	AP1S2	NM_001040591.1
DM05000P3	0.00655403	1.2708638	-1.2558678	1.1286175		
DM07891P3	0.00657021	1.3567394	1.5435257	1.6198511		
DM03277P1	0.00658439	1.0330039	-1.0159093	-1.2024074		



DM14845P1	0.00659757	1.0112675	1.177287	1.6065801		
DM07846P1	0.00660651	-1.0961194	-1.135957	-2.2699518		
DM00818P2	0.00661213	1.0153363	-1.0399872	-1.2527615	LOC659684	XM_965969.1
DM00393P2	0.00661579	-1.0702161	-1.0170357	-1.3171026	LOC1001172	XM_001601493.1
DM13882P1	0.00665472	-1.1244522	1.0539348	1.1035955		
DM07395P1	0.00666979	-1.009265	1.2628903	1.9239839		
DM02155P2	0.00667324	1.0789698	-1.0866503	-1.2752473	LOC1001160	XM_001600561.1
DM03942P1	0.00667547	1.106373	1.0994335	1.6353955		
DM11319P2	0.00668039	-1.2149231	-1.0421785	-1.494126		
DM10782P2	0.00668586	-1.0992323	-1.1130705	-1.3126357		
DM02494P1	0.00669227	1.0754157	1.3234409	1.4902573	PTPRA	NM_001127950.1
DM03601P2	0.00670587	1.0836011	-1.2352295	1.383381		
DM06314P1	0.0067116	-1.1110615	1.0611392	1.9484427		
DM07244P3	0.00671538	-1.0220523	-1.1369008	-1.2333689		
DM02259P1	0.00672874	-1.3276179	1.0180107	1.5894337		
DM00353P1	0.00673176	-1.0690819	-1.1204746	-1.4062742	CCT5	XM_393315.3
DM06296P1	0.00675469	1.2775683	-1.1173071	-1.2509409	GPD1	XM_001154886.1
DM10376P2	0.0067677	-1.1661327	1.3734847	2.7246015		
DM07697P4	0.0067886	-1.09681	-1.1268516	-1.3058398		
DM06855P3	0.0067931	1.0300401	1.0291144	1.2931087		
DM10211P1	0.00681991	-1.1085287	-1.0623782	1.2427251		
DM00193P4	0.00682323	-1.110123	-1.0284926	-1.4675889	DANA\GF209	XM_001963958.1
DM11449P1	0.00683771	-1.2502456	-1.1947054	-1.6423937		
DM01373P2	0.00688194	1.6324222	1.53746	1.2487797	DPSE\GA190	XM_001358143.2
DM01682P2	0.00689604	-1.2188295	-1.0713325	1.5617635	DPSE\GA247	XM_002138362.1
DM04334P4	0.00690377	1.0527295	1.015033	-1.1988568		
DM02575P1	0.00692998	1.1973091	1.3761021	1.3803002	LOC1000188	XM_001371871.1
DM11276P2	0.00694795	-1.0140572	-1.0832442	-1.3490434		
DM12083P3	0.00695375	1.9935218	2.02305	1.1331468		
DM07264P1	0.00697259	-1.0026169	-1.0705336	-1.2594457		
DM00377P1	0.00697579	1.0164803	-1.1969754	-1.3368866	DMOJ\GI155	XM_002009822.1
DM00895P1	0.00698272	-1.056665	-1.2215993	-1.2353789	DGRI\GH194	XM_001990498.1
DM12208P2	0.00699275	-1.4505177	-1.312736	1.1753991		
DM03010P1	0.00700993	1.2295673	1.5822614	1.8625427	CG18619	NM_164905.1
DM12364P4	0.00701294	1.2049562	1.2562821	1.5483348		
DM04951P3	0.00705077	1.0645037	-1.0016412	-1.1082863	LOC662293	XM_968399.2
DM11110P4	0.00705108	-1.2531012	-2.3640175	-2.8559635		
DM02548P3	0.00706221	-1.2218722	-1.0486717	-1.4540814	BRAFLDRAFT	XM_002605516.1
DM04384P3	0.00706533	1.0505214	1.0987076	-1.129141		
DM03784P1	0.0070744	1.0851027	-1.0616584	1.7082521		
DM01298P3	0.00708202	-1.0659438	-1.2053624	-1.3657881	LOC410115	XM_393599.3
DM13010P4	0.00708418	-1.29637	1.1204984	-1.7398369		
DM09799P3	0.00711718	1.1715888	1.4158729	1.8937986		
DM03388P3	0.00714231	-1.137584	-1.0577513	-1.2568153		
DM01581P3	0.00714523	-1.241326	-1.1399189	1.1588191	BRAFLDRAFT	XM_002589091.1
DM07136P1	0.00717257	-1.1155986	-1.174649	-2.274305		
DM09107P3	0.00719071	-1.0997349	1.0140642	-1.3255624		
DM13940P1	0.00720568	-1.0414708	1.1017303	1.5042467		
DM00906P2	0.00723497	-1.0660397	-1.1087303	-1.3101119	LOC1000230	XM_001369930.1
DM02892P1	0.0072394	1.0308797	-1.0205362	1.3325686		

DM01824P1	0.00726445	1.0700624	-1.2669673	-1.3414137	DVIR\GJ1707 XM_002057372.1
DM01622P4	0.0072735	-1.0116465	-1.0768481	-1.3617984	DVIR\GJ2226 XM_002050594.1
DM03653P3	0.00727483	-1.0475	-1.0039873	-1.4777972	DVIR\GJ1756 XM_002052452.1
DM03085P2	0.00728427	-1.0478474	1.1005533	-1.5786915	CPIPJ_CPIJOC XM_001842324.1
DM10455P1	0.00728536	1.4565713	1.6240982	1.4910319	
DM05833P1	0.00728786	-1.5498868	-1.4668674	-1.3827542	LOC663663 XM_969699.1
DM00025P2	0.00730096	-1.3440197	-1.3830047	-1.3539841	LOC1002013' XM_002162742.1
DM05014P1	0.00730179	-1.2410853	-1.3760335	1.0713601	
DM01617P3	0.00730229	1.5261599	2.058299	2.5157752	SNOG_05978 XM_001796314.1
DM03312P2	0.00732498	-1.1746693	1.7056556	1.2942947	
DM01960P3	0.0073556	-1.0601017	-1.1968447	-1.3889612	DVIR\GJ2320 XM_002053671.1
DM06685P1	0.00735706	-1.0517844	1.0133593	-1.1973162	
DM09909P4	0.00739235	1.1797982	1.7207628	1.7007363	
DM11570P2	0.00741062	1.0887785	-1.0669171	1.402518	
DM06259P1	0.0074441	-1.1721348	-1.1139556	-1.4322264	TC00.104705 XM_803350.1
DM08541P1	0.00747153	-1.3548086	-1.0775824	-1.90832	
DM09115P3	0.00747617	-1.2545724	-1.1501693	-1.0464246	
DM00577P1	0.00748695	-1.0854633	-1.1410694	-1.3178693	DMOJ\GI170' XM_002001779.1
DM03035P1	0.00749613	-1.0402716	-1.0908495	-1.2441108	DGRI\GH137' XM_001993272.1
DM01370P1	0.00753253	-1.1007935	-1.0469433	-1.3003566	AAEL_AAEL01 XM_001650137.1
DM01283P1	0.00754981	1.179931	1.1581004	1.4074067	PHOSRESTIN XM_001865064.1
DM04057P3	0.00757468	1.3812497	1.3650336	-1.5755162	
DM00745P4	0.00760801	1.0438623	-1.1187785	-1.6270081	LOC1001152' XM_001599874.1
DM12332P3	0.00762076	-1.1621433	-1.1197174	2.2765188	
DM02424P3	0.00764652	1.0112714	1.004946	1.4979167	LOC659301 XM_965620.2
DM02750P2	0.00767005	-1.0205108	1.1255565	1.3305851	
DM11499P1	0.00767974	-2.0149465	-2.2647026	-1.8929979	
DM13522P2	0.00769231	-1.0709722	1.1531055	1.220952	
DM11390P2	0.00769367	-1.2527564	-1.3021215	-1.8583312	
DM04255P1	0.00769687	-1.0705572	-1.038639	-1.3117142	
DM05350P4	0.00769888	-1.039419	1.0250587	-1.4531555	
DM02145P2	0.00771173	1.278996	1.3655511	1.4290905	MSF1 XM_001657148.1
DM11367P4	0.00771356	-1.1305392	-1.0445741	-1.3915104	
DM08542P4	0.0077158	-1.0008023	1.0098107	-1.5107534	
DM11328P1	0.00773993	1.5015559	1.7599249	-1.0326744	
DM03052P2	0.00774816	-1.1212606	-1.4709167	1.0793782	DSIM\GD255 XM_002081658.1
DM05318P2	0.00774857	-1.4101579	-1.3789101	1.1244566	
DM04989P1	0.00777676	1.1455069	-1.0572305	-1.1661432	DANA\GF146 XM_001961938.1
DM08663P1	0.00788253	-1.1617897	-1.2700099	-1.4099246	
DM06699P3	0.00789329	1.0683159	1.1220835	1.5189383	
DM03513P1	0.00791204	-1.0953043	-1.2333846	-1.028263	DMOJ\GI110' XM_002002751.1
DM08148P1	0.00791921	-1.0397421	1.8346858	1.44199	
DM10620P3	0.00792686	1.1473614	1.1650187	-1.2342104	
DM01825P1	0.00793463	1.0913947	-1.033481	-1.4881223	
DM04396P3	0.00793979	1.1114656	-1.0734073	-1.3054951	LOC760983 XR_025742.1
DM07747P3	0.00794037	-1.1757435	-1.1835946	-1.4398923	NEMVEDRAFT XM_001647469.1
DM03070P2	0.00795447	-1.2360439	-1.3096681	-1.3925884	BRAFLDRAFT XM_002607778.1
DM07431P1	0.00798837	1.0421652	-1.0818499	1.3037003	
DM13104P1	0.00799333	1.0266093	1.057062	2.0864787	
DM02881P2	0.00800619	-1.0730366	1.094775	1.7594843	DERE\GG120 XM_001981390.1

DM00285P3	0.0080235	-1.0774423	-1.2396433	1.4171605	DSEC\GM116	XM_002044699.1
DM00044P3	0.0080275	-1.0569029	-1.0861781	-1.3576037	LOC410026	XM_393513.3
DM02281P1	0.00806011	1.1289768	1.2076452	1.3058428		
DM02778P3	0.00806595	1.1322445	1.1470387	1.1845309	DGRI\GH106	XM_001988289.1
DM14330P3	0.00806985	-1.1112089	-1.059767	1.3827676		
DM03347P1	0.00807516	1.1176103	1.0819274	1.4112426		
DM15398P1	0.0080795	1.5656289	1.5820228	1.4771882		
DM08304P2	0.00810775	-1.5745851	-1.4919724	-1.738297		
DM04254P1	0.00816872	1.1294109	1.0033116	-1.2948083		
DM04270P2	0.00817783	1.0428238	-1.006595	-1.2278801	LOC413123	XM_396574.2
DM05034P2	0.00820239	1.0739527	1.0265335	-1.3122661	LOC1002234	(XM_002191217.1
DM03639P2	0.00822192	1.0942928	-1.3321769	-1.1822115		
DM08579P1	0.00822605	-1.3647847	1.0091056	1.4482083		
DM01207P1	0.00823635	-1.2242204	-1.101905	-1.2008375	WDR61	XM_536215.2
DM06231P4	0.00824367	1.3127956	1.265437	2.227586		
DM11430P1	0.00825303	-1.0387406	-1.3622681	1.0888524		
DM00239P3	0.00827436	-1.0815479	-1.078208	-1.4697002	LOC1001656	XM_001949345.1
DM04502P1	0.00832852	-1.3822389	-1.5575902	-1.0652846		
DM12387P2	0.00832972	1.3446592	1.2145025	1.3386009		
DM02751P3	0.00833935	1.2000438	-1.1877388	-1.3127608	ATL2	XM_001168098.1
DM11797P3	0.00834324	-1.022633	-1.0117714	-1.2819691		
DM09084P1	0.00835801	-1.3792725	-1.1200845	-1.2513462		
DM06768P2	0.00837415	-1.0047381	1.0712445	1.2328067		
DM08072P3	0.00840039	1.0248502	-1.0358434	1.2458977		
DM07605P3	0.00843475	-1.2138523	-1.0817124	-1.500319		
DM11985P3	0.00843805	-1.0304203	-1.1914341	-1.445276		
DM08398P1	0.00845593	1.0518858	-1.0815324	-1.2702535		
DM06042P3	0.00849071	-1.521641	-1.7404958	-1.6671554	LOC1001875	(XM_002125820.1
DM02048P1	0.00849716	-1.0494943	-1.088556	-1.325892	FUT6	XM_001658942.1
DM02225P1	0.0085083	1.1204011	1.2945799	1.4169194	LOC575126	XM_775331.2
DM10053P2	0.00852346	6.0928507	6.2343574	3.9090593		
DM02919P3	0.00854411	1.186799	1.4445527	1.0099446		
DM00462P2	0.00854976	-1.1379614	-1.3214538	-1.3923445	DWIL\GK221	XM_002066013.1
DM03968P1	0.00856203	1.633815	1.9052199	1.4979278		
DM00192P1	0.00857681	1.0015138	-1.2289485	-1.2329628	LOC1001168	(XM_001607793.1
DM09580P2	0.0086034	-1.7751479	-1.6866641	-2.54383		
DM00052P3	0.00863187	-1.4086324	-1.6946143	-1.5527836	ISCW_ISCWC	XM_002403711.1
DM03808P2	0.00865442	-1.0880424	-1.2841754	-1.3759562		
DM10878P2	0.00865801	-1.1708252	-1.3356111	-1.4711703		
DM00314P2	0.00866829	-1.0248938	-1.1853772	-1.4598815	LOC408412	XM_391959.3
DM07292P1	0.00870753	1.008391	1.1892233	1.701668		
DM12833P2	0.00872118	1.0516509	1.0201242	1.3531249		
DM00675P1	0.00872503	-1.1673417	-1.1611298	-1.3773175	DSIM\GD197	XM_002102209.1
DM02459P3	0.00872995	-1.3279339	-1.1529543	1.6932409		
DM11006P2	0.00873712	1.1125425	-1.0451399	-1.3920819		
DM14091P3	0.00875496	-1.1878148	-1.0490248	1.327682		
DM09307P4	0.00876015	-1.0308255	-1.0809455	-1.2977211		
DM01236P1	0.00876061	1.2652105	1.1576577	-1.1535527		
DM00713P4	0.00878054	-1.0761188	-1.0902848	-1.34618	LOC1000184	XM_001367196.1
DM07923P1	0.00880027	1.1949306	1.7375724	1.5967597		

DM05687P2	0.00881603	-1.6669065	-1.1165929	-15.748243		
DM12797P3	0.00882722	17.76302	32.16642	5.1778717	DVIR\GJ1632	XM_002060216.1
DM05196P3	0.00884144	1.1094291	-1.016063	-1.2193512		
DM03397P3	0.0088474	-1.0594063	-1.1382335	-1.3404343	DSIM\GD207	XM_002104083.1
DM11603P2	0.00885847	-1.2437665	-1.1057878	-1.490802		
DM07919P1	0.00887407	1.0058737	1.1034094	1.3369113		
DM04647P2	0.0088978	1.1506486	1.240177	1.5083419		
DM06871P1	0.00891969	-1.3574079	-1.068914	-1.0288105		
DM12388P1	0.00893725	1.0875543	1.0593615	-1.2067945		
DM02487P3	0.00894828	1.5196201	1.6244274	1.5181334	LOC1002270	XM_002191176.1
DM12751P1	0.00895159	-1.1345268	1.1095952	1.1261812		
DM12802P2	0.00896897	1.0519825	-1.3608378	-1.4955391		
DM06155P2	0.009038	1.1190461	1.2577846	1.6269411		
DM03867P2	0.00904135	1.0205439	1.1197225	-1.2264333	DMOJ\GI116	XM_002008738.1
DM09111P3	0.00908399	1.0549182	-1.1703193	-1.3297634		
DM04419P2	0.00908791	1.0430298	-1.005982	1.2273984	GDH	NM_170101.2
DM10926P3	0.00909992	-1.076819	1.4770747	1.0520952		
DM09975P2	0.0091055	1.4484297	1.6526079	1.3613988		
DM04070P4	0.00911982	1.104759	-1.1040306	-1.9594678		
DM10836P4	0.00912333	1.3541225	1.2687119	1.0147637		
DM02489P2	0.00916826	-1.6386265	-1.7547426	-2.2303646		
DM05130P2	0.00917656	1.0085804	1.0638894	1.2625183		
DM02869P3	0.00918022	1.5525959	1.8023336	1.2544508	AAEL_AAEL0C	XM_001654032.1
DM07176P3	0.00918465	-1.1755501	-1.1313123	1.2550962		
DM04851P1	0.00921791	1.4692132	1.0654703	-3.51946		
DM00218P3	0.00924298	-1.2992578	-1.5041627	-1.2394013	TRIADDRAFT	XM_002109793.1
DM12821P2	0.00930871	1.0823352	-1.0176425	-1.2120016		
DM12536P1	0.00932349	-1.0351838	-1.175444	1.3983653		
DM11692P2	0.0093262	-1.7115005	-1.0476147	-29.834429		
DM05727P2	0.00936635	1.0564587	-1.1893957	-1.2792736		
DM12816P1	0.0093895	1.3864142	1.6975486	1.3849903		
DM06382P1	0.00941602	1.1689212	1.4494457	-1.3431804		
DM11434P1	0.00942791	-1.3340739	-1.121444	-2.3704388		
DM12510P2	0.00947696	1.4012257	1.7425342	1.1014777		
DM05765P3	0.00948034	1.0113372	-1.0827742	-1.3789983		
DM05663P1	0.00948546	-1.120264	-1.238528	-1.923998	LOC411502	XM_394975.3
DM00180P3	0.00950045	-1.1489028	-1.0969996	-1.3679115	CTBP	NM_001014617.1
DM11784P2	0.00951536	-1.1192418	-1.2869288	-1.0898623		
DM00071P3	0.00952915	-1.076405	-1.1327804	-1.3492265	PTRG_02664	XM_001932962.1
DM08476P3	0.00953527	1.1934649	1.009879	1.2810681		
DM03914P3	0.0095435	-1.0309254	-1.0698403	1.118121	AAEL_AAEL0C	XM_001649989.1
DM06985P3	0.00954416	1.1057112	1.0527937	1.3659743		
DM03705P1	0.00954792	-1.1906303	1.0237218	-1.3554298	GLYR1	NM_001030494.1
DM03651P1	0.00955904	1.4153179	1.5784605	1.4883109	MGC165715	NM_001102129.1
DM09119P4	0.00957241	-1.1882191	1.004312	1.2564598		
DM11815P4	0.00958317	-1.1166722	-1.2127274	-1.4170821		
DM05483P1	0.00958349	-1.2535346	-1.0318971	1.4818517		
DM06965P1	0.00959158	1.0593094	1.0340643	-1.2460793		
DM08098P2	0.00960158	1.4813389	1.6518927	1.4673007		
DM09162P2	0.00961991	1.1549985	1.215161	1.4044522		

DM10206P1	0.00963348	1.0618579	-2.588204	1.8068147	
DM09832P1	0.00965989	-1.031867	1.0251399	-1.3124746	
DM11977P1	0.00967267	-1.1129112	-1.1115757	-1.2983752	
DM04705P1	0.00968826	1.1603345	1.4819914	1.6047554	
DM04326P2	0.00969614	-1.120935	1.0424781	1.323406	LOC1002079 XM_002160124.1
DM00394P2	0.00969734	-1.0132895	1.0804665	-1.1878217	BMPR1A NM_009758.4
DM13574P3	0.00974387	1.0556684	1.1497651	-1.4033402	
DM05081P2	0.00975029	1.1413908	1.0971056	-1.0450598	
DM07305P1	0.00975649	-1.0183022	-1.0421472	-1.2131177	
DM11834P3	0.00977485	1.3536671	1.235399	1.2528023	
DM10537P2	0.00977796	-1.0811236	-1.0032048	1.3574975	
DM07539P1	0.00983624	1.1277307	1.2914015	1.1204137	
DM01157P1	0.00986366	1.0620543	1.265539	1.8003316	
DM04551P2	0.00990856	1.0741444	1.3064207	1.4085472	
DM04290P2	0.00994111	-2.2119226	-1.4327722	-1.6796756	
DM09372P1	0.0099439	-1.0674334	1.2395078	-1.0895414	
DM01218P1	0.00995615	-1.0301197	-1.0497379	-1.4796627	
DM01224P2	0.00996188	1.049052	-1.0529072	-1.1646001	DSIM\GD234 XM_002078442.1
DM12454P4	0.00997119	1.3584421	1.4078077	1.634826	
DM05993P1	0.00999797	-1.1136671	-1.1706482	-1.388503	KPOL_1052P2 XM_001644488.1
DM08713P3	0.01000522	-1.2010763	-1.1014365	-1.4341834	
DM08070P3	0.01001106	1.00936	1.3204169	1.7039775	
DM12901P1	0.01001326	1.0163403	-1.2742146	-1.6627078	
DM00328P2	0.01005077	1.1046993	-1.0235467	-1.2077619	LOC413831 XM_397270.3
DM04416P2	0.01005081	1.2085987	1.2029132	1.5817541	LOC550801 XM_623190.2
DM10128P3	0.01005452	1.0286688	1.0043683	-1.248389	
DM08545P2	0.01005839	-1.1464417	1.1775384	1.1861371	
DM06359P3	0.01008919	1.3244962	1.4114778	1.5846144	ISCW_ISCWC XM_002414028.1
DM11682P2	0.01010197	1.2039171	-1.0099767	-1.1004838	
DM06924P4	0.01012293	1.211524	1.395168	1.3873801	
DM07237P1	0.01012799	1.4831028	1.3928912	1.4695889	DWIL\GK105 XM_002074398.1
DM10641P2	0.01013041	-1.0811607	-1.0290316	-1.5049222	
DM11670P2	0.01014365	-1.2675192	-1.2797616	-1.914682	
DM00359P3	0.01014646	1.2316393	1.1904906	-1.1724422	DMOJ\GI191 XM_002005337.1
DM12744P3	0.01015567	-1.1289376	1.0427529	1.3977374	
DM04792P1	0.01018068	-1.1806219	1.03603	1.924187	
DM14261P2	0.01018825	1.2077699	1.3928616	1.2348028	
DM04910P1	0.01021562	-1.1393747	1.3337991	1.1033279	
DM07299P1	0.01022344	1.0324731	1.1007113	-1.2489183	
DM06917P2	0.01024604	-1.0808301	-1.0103815	-1.4266237	
DM00355P1	0.01033137	1.3526866	1.6384698	1.9657547	LOC658676 XM_965040.1
DM05931P3	0.01033358	1.5431832	1.5014894	1.893062	
DM05642P3	0.01033443	1.097901	-1.05236	1.6948025	
DM04165P2	0.0103536	-1.128641	1.2701223	1.5167589	
DM11931P1	0.01036019	3.5334983	4.739804	2.1301894	
DM03464P1	0.01039256	1.3504316	1.3328123	-1.0269265	FG02702.1 XM_382878.1
DM04771P1	0.01040624	1.1509926	1.0593215	-1.2435707	
DM07975P1	0.01041276	-1.8459024	-1.2886977	1.1676481	
DM10907P2	0.01043481	-1.0044196	-1.1620628	-1.2920326	DSEC\GM113 XM_002041753.1
DM05452P1	0.01044402	1.0288291	-1.1368095	1.0867167	

DM06128P2	0.01044679	-1.0402384	-1.0499418	1.3517995	LOC1001143	XM_001607754.1
DM03598P2	0.01047415	1.1711231	-1.2183545	-1.370918	DPSE\GA280	XM_002133299.1
DM01876P1	0.01048315	1.0466219	1.0940425	-1.6565974	NCU01464	XM_951648.2
DM11972P3	0.01048813	-1.1820174	-1.083863	-1.425862	LOC1002096	XM_002154218.1
DM01371P3	0.01050169	-1.2416282	-1.07176	-1.4316202		
DM15286P3	0.01050213	-1.2675502	-1.1853448	1.0652174		
DM03943P3	0.01055619	-1.0970668	-1.2482743	-1.365019		
DM12561P1	0.01055771	-1.0486602	-1.0607295	-1.3747791	DGRI\GH115	XM_001989018.1
DM02872P3	0.01057863	1.1850091	1.1792991	1.6160204		
DM09080P3	0.0105863	1.108821	1.0971918	1.6290419		
DM09942P2	0.01061674	1.1534863	1.5944953	1.3966413		
DM01107P1	0.01061886	-1.2156969	-1.5331367	1.1751735		
DM03873P4	0.01062641	-1.3292624	-1.4668915	-1.5618274	CG2918	NM_001169174.1
DM00701P1	0.01063269	-1.1469342	-1.3810642	-1.3800669	SND1	XM_532436.2
DM02397P1	0.01063721	-1.587281	-1.6754144	-1.666288	LOC1001875	XM_002125820.1
DM01145P3	0.01064814	-1.1190621	-1.063334	-1.4213347	LOC1002082	XM_002165850.1
DM05964P2	0.01065731	1.190089	1.6712043	2.0390089		
DM12468P2	0.01066186	1.0439571	-1.0373203	1.5852314		
DM11927P1	0.01066926	-1.3706466	-1.4270822	1.7134346		
DM12099P4	0.01068436	2.8429027	4.235189	4.306479		
DM02809P2	0.01071166	-1.1534616	-1.1210152	-1.3991021	LOC1001163	XM_001608252.1
DM09791P4	0.01076083	1.1599756	-1.0806235	-1.3343531		
DM06289P3	0.01076952	-1.0100397	-1.0198786	-1.2473621	LOC1001705	NM_001130305.1
DM11715P2	0.01078016	-1.2287078	-1.0661348	-1.4761201		
DM01913P1	0.01079022	-1.1498129	-1.1577497	-1.488886	DMOJ\GI153	XM_002001701.1
DM09545P1	0.0108067	-1.1792338	1.0472147	1.2062356		
DM09166P2	0.01081698	1.0344536	-1.2635328	-1.4517893		
DM11358P3	0.01082412	-1.0144666	-1.1163596	-1.208131	LOC655443	XM_961987.1
DM02776P1	0.01085091	1.2867659	-1.9494109	2.6737087	ISCW_ISCWC	XM_002415119.1
DM09897P3	0.01086777	1.4466383	1.3939202	1.880615		
DM08130P3	0.01087195	1.1590115	1.5445337	1.748114		
DM02858P4	0.01087333	1.0283484	1.3011899	1.1031387	DGRI\GH227	XM_001995140.1
DM09590P1	0.01089655	-1.0077516	1.0674192	-2.0404518		
DM10450P3	0.01092307	-1.1252743	1.0592239	1.3256384		
DM05128P3	0.01095117	-1.200544	-1.242644	-1.4499407		
DM05458P1	0.01096981	1.0619276	1.0317436	-1.1708392		
DM08975P1	0.01097291	1.125526	1.003253	1.2804685		
DM02077P4	0.01101194	-1.0375034	1.0131854	-1.295536	LOC550827	XM_623217.2
DM13323P2	0.01102571	1.0060117	1.0557147	1.3924632		
DM01344P1	0.01102757	1.0868193	-1.003401	-1.4943931	EXD2	NM_001114406.1
DM01197P3	0.01105548	-1.1010214	-1.1210665	-1.507831	BRAFLDRAFT	XM_002609664.1
DM02378P3	0.01105935	1.0250202	1.1414491	-1.1289296	DMOJ\GI221	XM_002001114.1
DM01875P1	0.01107098	1.1240563	1.0273825	-1.2215381	DYAK\GE225	XM_002095656.1
DM01277P1	0.0110839	1.0824519	-1.1382351	-1.3945023	AP3M1	XM_546170.2
DM08720P2	0.01109725	1.2875452	1.4492706	1.2386729		
DM06224P2	0.01112169	-1.3060538	-1.0832629	-1.0718026	LOC552328	XM_624704.2
DM11994P1	0.01114985	1.0600107	1.2525603	1.2154987		
DM11483P3	0.01115877	-1.0663712	-1.2083657	-1.359888		
DM06055P1	0.01116165	2.0863774	2.5966148	2.0438986	TAT-6	NM_071457.1
DM01915P3	0.01116516	-1.149053	-1.1991545	-1.3551579	AAEL_AAEL01	XM_001654630.1

DM08106P2	0.01117724	-1.6017814	-1.678667	1.5243701	
DM10080P3	0.01119162	-1.2298971	-1.1020814	1.1509867	
DM04184P1	0.011194	1.1743636	1.4148053	1.8321166	
DM02646P3	0.01121093	1.139921	1.074598	1.3401352	LOC661163 XM_967342.2
DM01299P2	0.01121791	1.0848002	-1.0138401	-1.2392318	LOC1001660' XM_001947633.1
DM00952P2	0.01123663	1.31885	1.2357816	-1.1556787	DWIL\GK229' XM_002074790.1
DM01897P4	0.01123905	1.1898881	-1.5152698	1.3885468	CPAP3-D2 NM_001172382.1
DM00628P2	0.01128103	-1.1414285	-1.003187	-1.324116	LOC578850 XM_778994.2
DM12476P3	0.01128342	1.1022247	-1.1119523	1.6216798	
DM03815P2	0.01128379	1.0938973	1.0838572	1.6400094	DPER\GL249' XM_002021130.1
DM04778P2	0.01128489	1.0452889	-1.1086655	1.2206168	
DM12086P2	0.01129696	-1.2254567	-1.1370956	-1.3258493	
DM04324P3	0.01130629	-1.0283654	-1.0794299	-1.3661282	
DM09145P1	0.0113481	-1.1904972	-1.0412861	1.1971289	
DM09323P4	0.01141861	1.0052241	-1.1109911	1.3750755	
DM05522P4	0.01142484	-1.5089043	-1.5718845	-1.3244017	
DM06784P2	0.01148539	1.0488821	1.0107293	1.3120676	
DM02125P3	0.01148647	1.1592633	1.3999324	1.0344622	
DM01982P1	0.01154367	1.3575313	1.2773244	1.3046662	NEMVEDRAFT XM_001634353.1
DM13956P3	0.01154675	-1.2402053	1.5441544	1.136939	GSPATT0001' XM_001453233.1
DM10123P1	0.01156586	-1.1301506	-1.0011293	1.2103696	
DM07102P4	0.01156861	1.1185839	1.0879856	-11.292371	
DM00111P1	0.01156884	-1.0127151	-1.2055262	-1.1041344	LOC1001229' XM_001606506.1
DM09081P2	0.01156991	1.3024623	1.545377	-1.0706077	
DM12630P2	0.01158069	1.0757291	-1.2309397	1.5924271	
DM05386P3	0.01159014	-1.2086613	-1.0073154	1.8151975	NEMVEDRAFT XM_001639293.1
DM14523P1	0.01159434	-1.3155929	1.1865567	1.6112623	
DM00007P1	0.01160821	1.0443203	-1.0640287	-1.2671636	LOC551386 XM_623781.2
DM03206P1	0.01161529	1.0598673	-1.1591198	-1.176388	AAEL_AAEL01' XM_001663606.1
DM14317P1	0.01162688	1.0689777	1.1617578	1.2975658	
DM04855P2	0.01163115	-1.0806974	1.0713124	1.2326516	DPSE\GA270' XM_002137070.1
DM08488P1	0.01163414	-1.025884	-1.1056167	-1.2706553	
DM07173P1	0.01165734	-1.1614771	-1.0026242	-1.292262	
DM00863P2	0.01166774	1.049193	1.0238996	1.1510477	DYAK\GE143' XM_002092764.1
DM08761P4	0.01167557	-1.0424539	-1.5422899	1.9617904	
DM06335P1	0.01168229	1.1642275	1.1430551	-1.0184675	
DM08340P3	0.01170519	1.1112047	-1.1656184	-1.209276	
DM14620P1	0.01171605	1.0691123	1.0712092	-1.3046317	
DM12439P1	0.01171638	-1.0080737	-1.0925843	-1.6768602	DWIL\GK195 XM_002062740.1
DM01068P1	0.01174196	-1.186133	-1.1715633	-1.4015926	CG8258 NM_136574.2
DM13765P3	0.01176175	-1.0293152	-1.1306866	1.2820295	
DM09324P2	0.01176404	1.0763077	1.0196452	-1.236072	
DM11752P2	0.01182285	1.0362004	1.0183917	-1.1612551	
DM05777P3	0.01182693	1.0028571	-1.1147441	-1.2756326	
DM06974P1	0.0118489	-1.0880246	1.0572073	-1.3351605	
DM14064P3	0.01185087	1.0064416	-1.0241922	1.5443327	DVIR\GJ1913 XM_002054973.1
DM03489P1	0.01187192	1.1318138	-1.2510668	1.5954114	CPIPJ_CPIJ01 XM_001866203.1
DM04934P4	0.01189422	1.0678782	1.0097537	-1.3300388	
DM06346P1	0.01189548	1.2645127	1.053011	1.7076607	
DM07736P4	0.01191271	-1.2283782	-1.0146358	1.2589513	

DM05054P1	0.01191918	1.118903	1.0452832	-1.223902	
DM08949P1	0.01192027	1.0961889	-1.132995	1.2944628	
DM02247P2	0.01192425	-1.3854538	-1.4891596	-1.6689509	DANA\GF141\XM_001962943.1
DM11527P3	0.01192471	1.1242515	1.0031619	-1.351712	
DM09717P1	0.01193059	1.0527644	1.0445026	-1.314228	
DM10721P1	0.01193674	1.137782	1.0663855	-1.3036674	DWIL\GK238\XM_002064450.1
DM01752P3	0.01195735	-1.3710345	-2.0807066	-2.427881	LOC733041 NM_001047033.1
DM10785P2	0.01195874	-1.0316603	-1.0070289	-1.3810018	
DM12401P3	0.01195961	-1.3051475	-1.1659613	-2.2188337	
DM10838P2	0.01196103	1.3388063	1.4282267	1.2122265	
DM01111P1	0.01200027	1.1523545	-1.1307782	-1.2410833	MAPKAPK3 NM_001079394.1
DM00313P1	0.01200504	-1.0452437	1.0575765	-1.3028268	LOC1001600\XM_001950296.1
DM10117P1	0.01201456	-1.2566919	-1.029796	1.2542226	
DM06336P1	0.01201525	1.4647577	-1.1388332	1.469673	NB001 XM_002158539.1
DM01703P3	0.012034	-1.0661625	-1.0896113	-1.3942645	DSEC\GM201\XM_002033852.1
DM09237P1	0.01205529	1.7283369	3.1045654	-1.2772304	
DM10583P3	0.01207654	1.1839373	1.3213342	1.0163434	
DM01658P1	0.01207767	1.0224718	-1.0789981	1.1949084	DWIL\GK162\XM_002067217.1
DM12137P2	0.0121068	-1.1335601	-1.2266867	-1.1668037	
DM05024P4	0.0121316	-1.1584975	-1.1680653	-1.5203468	
DM05422P2	0.01214892	-1.0672315	-1.0849984	1.1200777	DPSE\GA207\XM_001357610.2
DM05575P4	0.01217263	1.150326	-1.2283318	1.1412401	
DM02366P3	0.01218082	-1.2494522	-1.299769	-1.5687511	ISCW_ISCWC\XM_002408330.1
DM10876P1	0.01218309	1.1171471	-1.0234296	-1.2009089	
DM12429P1	0.01220785	-1.1032467	-1.0459917	-1.2794166	
DM03080P2	0.01227681	-1.2479458	-1.2540778	-1.1637015	BRAFLDRAFT\XM_002601566.1
DM11191P1	0.01227703	1.3256066	1.151767	-1.3389472	
DM02204P1	0.01228595	-1.0854099	-1.0243196	-1.1689938	ARD1A NM_001135839.1
DM07389P1	0.0122866	1.2857921	1.3069232	-1.5147762	
DM07057P1	0.01228895	-1.0436188	1.0286868	-1.2553749	
DM03146P2	0.01230376	-1.0834646	-1.149204	-1.3138926	
DM15323P1	0.01233774	1.0638502	1.2338514	1.4468395	
DM12718P4	0.01233911	1.2738501	1.2986057	1.6657772	
DM11863P4	0.01236584	-1.2308534	-1.2260503	-1.8373369	
DM02595P4	0.01237961	-1.2164553	-1.0545765	1.0343663	DMOJ\GI242\XM_001998866.1
DM03687P1	0.01239992	1.2826883	-1.401622	-1.0225693	BRAFLDRAFT\XM_002599296.1
DM04206P3	0.0124106	-1.066472	-1.1357181	-1.4151419	DVIR\GJ1115\XM_002058700.1
DM13159P2	0.01241633	1.8036737	2.2272575	-1.2003675	
DM02178P2	0.01242322	1.0703825	-1.2081283	-1.0784587	DANA\GF232\XM_001964473.1
DM06598P1	0.01242967	-1.2673186	-1.4774528	-1.1940527	
DM07921P1	0.01244288	1.2097535	1.406702	1.3443977	
DM11675P1	0.0124808	1.2531466	1.3548148	1.2524086	
DM03273P1	0.01250554	1.142129	-1.0726563	1.3529309	LOC1001612\XM_001951787.1
DM14326P4	0.01251025	-1.2218548	1.1153457	-1.3709518	DPSE\GA106\XM_001353969.2
DM06211P2	0.01251617	-1.4229666	-1.0553685	1.2224048	
DM09569P3	0.01257035	2.3816197	2.009339	1.7608826	
DM06909P1	0.01259162	-1.1580169	-1.0048723	1.3149458	
DM10569P3	0.01261094	1.218058	1.4206123	1.5995376	
DM01391P1	0.01262219	1.0952874	-1.0881151	-1.2563155	DMOJ\GI133\XM_002008117.1
DM01369P1	0.01265341	-1.0027663	-1.2390187	-1.2422426	IDE XM_534963.2



DM06337P4	0.01265922	1.0718417	1.2300134	1.5857317		
DM02063P1	0.01267825	-1.4557472	-1.1745394	1.3179772		
DM07286P2	0.01269089	1.1645314	1.5928546	1.8080722	MONBRDRAF	XM_001747075.1
DM01052P3	0.01270728	-1.0042516	1.0084077	-1.2811866	TKV	XM_391989.3
DM04370P2	0.01271947	1.1360657	1.3440945	-1.0668246		
DM09934P1	0.01278335	1.6116513	-1.1072088	-1.6628592	DYAK\28SRR	XR_050467.1
DM07959P3	0.01278626	-1.083652	-1.0738144	-1.4361715		
DM05442P3	0.01280588	1.1362275	1.2412579	-1.152266		
DM06165P1	0.01282277	-1.0567583	-1.0301163	1.2786884	CATRIN	XM_001846447.1
DM03780P2	0.012824	-1.1525784	-1.099955	-1.3686818		
DM02446P1	0.01282905	-1.2584696	-1.1644315	-1.3349968	NEMVEDRAFT	XM_001639323.1
DM10513P2	0.01284206	1.1335033	1.0803051	-1.0480108		
DM14128P3	0.01285211	-1.2775042	-1.21702	-1.4360147		
DM11886P1	0.01285876	1.2098261	1.3113939	1.5238116		
DM01193P3	0.01287046	1.1294822	-1.1193495	-1.167916	LOC412804	XM_396257.2
DM12659P1	0.01287164	-1.0507493	-1.0860134	1.0289526		
DM01784P1	0.01289164	-1.2183892	-1.3435237	-1.3591278	DSEC\GM177	XM_002043825.1
DM05098P2	0.01290002	1.2632816	1.6307259	-1.6451429		
DM14761P1	0.01291189	1.1785939	1.6098081	1.8494972		
DM09528P1	0.01291769	1.1492356	1.0717238	-1.2500614		
DM01234P1	0.01291814	-1.1712204	-1.9723666	1.5838358		
DM07691P1	0.01295199	-1.0927694	-1.1421341	-1.9404283		
DM10559P1	0.01297345	1.1682637	1.2806518	-1.0876418		
DM12322P1	0.01298487	1.130105	1.2154317	1.1812179		
DM05876P2	0.01300124	-1.2860918	1.319325	-1.499396		
DM06451P1	0.01300398	-1.0906982	1.0110015	-1.191525	EIF3G	NM_001140944.1
DM05219P1	0.01300641	1.0705894	1.0202	-1.1911504		
DM14290P2	0.0130091	1.0575356	-1.2422537	-1.1938787		
DM04391P3	0.0130273	-1.1122847	-1.042037	-1.4142315	DWIL\GK230	XM_002074683.1
DM06303P2	0.01304344	1.1390332	1.2531122	1.1303586		
DM00363P1	0.01311038	-1.0562183	-1.0880023	-1.3244519	AAEL_AAELOC	XM_001654055.1
DM13528P1	0.01313228	1.1192491	1.1412238	1.8064663		
DM07331P2	0.01315262	1.136217	1.4636571	1.5462177		
DM05097P1	0.01319736	-1.1140258	-1.021003	-1.505781		
DM05604P1	0.01319866	-1.1972075	-1.0101244	-1.2394794		
DM02499P3	0.01322372	1.012617	-1.0036919	1.148016	MLC-C	XM_623501.2
DM13364P1	0.01322536	-1.051994	-1.0190248	1.3585833		
DM09944P3	0.01323407	-1.2234085	-1.2013438	-1.0313095		
DM04373P1	0.01323989	-1.1306959	1.0768968	-1.2776707		
DM01698P2	0.01324334	-1.0514336	-1.2301646	1.0208719	DPER\GL221	XM_002017197.1
DM03903P1	0.01326134	1.2319661	-1.0317581	1.4692556		
DM14739P3	0.01326531	-1.1807038	-1.194011	-1.2077776		
DM10753P2	0.01327878	1.2281384	1.0611296	1.4066066		
DM03581P2	0.01330451	-1.1779488	-1.1612296	-1.245668		
DM06163P1	0.01330825	-1.0134579	1.1354887	1.4794339		
DM08050P1	0.01332341	-1.0816002	1.0406461	1.2544639		
DM00678P1	0.01333536	1.4971466	1.2599636	1.0992043	ATG1	NM_001169962.1
DM15130P1	0.01337585	-1.0706227	1.0965506	1.2163422		
DM13944P2	0.01337829	1.4792662	1.8795817	1.0119877		
DM11159P1	0.01338232	1.5532469	1.67931	1.5858722		

DM05992P2	0.01338247	-1.0386304	-1.0680925	1.3413842	TNNC	XM_001862803.1
DM01679P2	0.0134041	-1.1907785	-1.0530667	1.192698	LOC1002140	XM_002156884.1
DM08854P1	0.01340805	-1.2286701	-1.0449289	1.1665868		
DM05803P4	0.01341907	-1.2213107	-1.4292586	1.3654678		
DM05031P2	0.01342151	-1.2378458	-1.0186236	1.3054092		
DM05329P3	0.01344867	-1.1016699	1.0173569	-1.424715	PSMD8	XM_523879.2
DM12197P3	0.01347561	-1.0169978	-1.1777716	-1.3447176		
DM04113P3	0.01347945	1.0106487	-1.126926	-1.3702676	RNF10	NM_001096369.1
DM03494P1	0.01348341	1.0736971	1.3592676	1.4180539	LOC592108	XM_791648.1
DM08414P4	0.01349157	2.136255	2.50917	1.7215772		
DM01444P1	0.01351531	1.0581778	1.1254919	-1.11238		
DM11292P1	0.01352422	-1.3065425	-1.1924536	-1.6207585		
DM04663P1	0.01352602	-1.0321716	-1.0991789	-1.1994262	LOC1001222	XM_001605781.1
DM13774P3	0.01354403	-1.094626	1.089986	1.2748677		
DM10692P1	0.01360844	-1.0052247	1.0657908	1.157434		
DM10398P4	0.0136346	-1.2089343	-1.011137	-1.2441626		
DM01565P1	0.01364732	-1.188638	1.090854	1.4540694		
DM05490P2	0.01364777	1.4103577	1.2600092	1.1473192		
DM07760P4	0.01365099	-1.2162143	-1.0063281	-1.32874		
DM00107P2	0.01365142	-1.0737505	1.0207134	-1.3521649	LOC1002317	XM_002198962.1
DM06300P1	0.0136811	-1.2311178	-1.3046789	-1.1535981		
DM09808P2	0.01370136	1.115418	1.1307265	-1.1761266		
DM11395P3	0.01370242	-1.052206	-1.0105056	1.3892163		
DM11881P1	0.01370571	-1.0716214	-1.0709743	-1.4962004	LOC1001140	XM_001601345.1
DM05436P1	0.01372373	1.1403202	-1.0824027	1.1706707		
DM11588P2	0.01373861	1.1823235	1.3835372	1.806923		
DM12824P2	0.01376388	-1.0204074	1.1010298	-1.3562804		
DM02128P2	0.01376413	-1.1091988	1.0042186	1.2075608	DMOJ\GI227	XM_002000064.1
DM13073P1	0.01385737	1.0981041	1.0277581	-1.1800824	LOC1000113	XM_001363024.1
DM07234P2	0.0138632	-1.7958418	1.0221554	-4.353531		
DM08376P1	0.01386661	1.9377842	2.0013897	1.1208341		
DM03747P3	0.01390675	-1.3310403	-1.175181	-1.7861822		
DM13595P2	0.01390701	1.2579017	1.6771908	-1.1964675		
DM13325P4	0.01392552	-1.167015	1.0146133	-1.4707118		
DM00228P1	0.01392757	1.2905736	1.2962824	1.2265086	DPSE\GA171	XM_001382185.1
DM06504P3	0.01394762	-1.3523716	1.3565557	1.6377853	RN28S1	NR_003287.2
DM12308P3	0.01396774	-1.001208	1.2535425	1.4328337	PTPRA	NM_001127950.1
DM04379P2	0.0139741	1.6929059	2.8977053	-2.2026927		
DM07969P3	0.01398439	1.2677484	1.2140223	1.1496853		
DM09183P3	0.01398678	-1.1004514	-1.0242233	1.2807927		
DM07721P2	0.01400033	-1.1563399	1.1769783	-2.5973115		
DM00210P2	0.01400137	-1.1872594	-1.286414	-1.3895907	LOC660183	XM_966437.2
DM11099P3	0.01400656	1.0268161	-1.2331583	-1.5233331	LOC1002320	XM_002186808.1
DM03658P3	0.01401032	1.1331798	-1.7561301	2.1364791	CG4998	NM_001043144.1
DM09694P3	0.01403406	-1.4077497	-1.2558556	-1.8189831		
DM11118P3	0.01404893	-1.0193746	-1.3611695	-1.2918713		
DM02971P1	0.01406039	1.1350237	1.0885507	1.5663296	DERE\GG120	XM_001981390.1
DM03339P1	0.01407507	-1.0584517	1.0306685	-1.1727334	DANA\GF197	XM_001967664.1
DM06306P1	0.01407722	1.0891253	1.0891873	1.378937		
DM13587P1	0.0140978	-1.2312415	-1.1897534	1.1595488		

DM03743P4	0.01411999	1.0017595	-1.0636165	-1.3304929	AAEL_AAEL01	XM_001663335.1
DM13286P2	0.01414867	-1.6422757	-1.0931748	-1.4072844	DYAK\GE104	XM_002098498.1
DM01065P4	0.01418969	1.2385576	1.3048695	1.353406	LOC1000739	XM_001505570.1
DM10817P4	0.01419028	1.1450189	1.0982423	-1.1108583		
DM06937P4	0.01421399	1.1194093	1.1055925	-1.2875125		
DM00266P3	0.01423706	-1.1354874	-1.013967	-1.3619604	AURORA-A	XM_002179914.1
DM07135P2	0.01424375	1.0221413	1.0890846	-1.2252609		
DM01272P2	0.01429708	-1.0378442	1.0938216	-1.3851163	LOC412472	XM_395929.2
DM02042P2	0.01437581	-1.4782381	-1.4154274	-3.5417778	PHATRDRAFT	XM_002183085.1
DM04605P4	0.01438909	1.2214925	1.2144358	-1.5001072		
DM06946P1	0.01439972	1.3349148	1.5619868	-1.0211693		
DM02305P3	0.01442345	-1.3569072	-1.6201236	-1.452641	LOC660193	XM_966447.2
DM05108P1	0.01444625	1.020018	1.2434124	-1.1932065		
DM11008P1	0.01444872	-1.02058	1.0758823	1.1473379		
DM04485P1	0.01447719	1.0448978	-1.061042	-1.2223295		
DM11701P2	0.01450517	-1.0143607	-1.1402358	-1.7285821		
DM03133P4	0.01451459	1.0934178	1.1054894	-1.1277312	AAEL_AAEL0C	XM_001659770.1
DM02403P3	0.01452078	1.2226393	1.1916872	-1.4513137	LOC1001594	XM_001946398.1
DM01104P1	0.01453577	-1.0865897	1.0627818	1.4474046		
DM05319P4	0.01454229	1.2213255	1.1633173	-1.0182247		
DM05262P1	0.01455583	-1.5990483	-1.9193037	-2.0296683		
DM10715P2	0.01457329	1.1160799	1.2484847	1.2526641		
DM06531P3	0.01457443	-1.0811642	-1.0261313	-1.2916762	LOC1001621	XM_001948045.1
DM06751P2	0.01463141	1.1296295	-1.4609692	-1.3840278		
DM06122P3	0.01465086	-1.0563959	1.0183179	1.3203294		
DM03948P2	0.01465713	1.1813146	-1.0826799	-1.2148308		
DM11850P1	0.01465922	-1.0800998	1.098412	-1.4051566		
DM08660P1	0.01466924	-1.1677514	-1.2278516	-1.6380394		
DM03805P1	0.01468667	1.274898	1.0397689	-1.3249494		
DM08397P3	0.01470697	1.013709	1.3362018	1.4362009		
DM05070P4	0.01471373	1.1583784	1.1569427	1.3804455		
DM01735P4	0.01471374	-1.0627013	-1.0592663	-1.3189368	TUBA	XM_001663357.1
DM04529P3	0.01471641	-1.2626777	-1.0693811	-1.616945		
DM04856P1	0.01475259	1.2455202	1.0142899	-1.0260719	LOC1000216	XM_001368459.1
DM10644P3	0.01477241	1.2264425	-1.0966258	-1.3518971		
DM02136P1	0.01479023	1.2155612	1.2812098	1.0276321	DMOJ\GI116	XM_002002599.1
DM09656P1	0.01484058	1.1935169	1.2466056	1.1936487		
DM13498P3	0.01484584	-1.2446936	-1.1725997	1.0270442	SI:CH211-71	NM_001128395.1
DM10335P1	0.01486621	-1.1456288	1.0073574	1.2053683		
DM07470P3	0.01488612	-1.5251175	1.22186	-1.0932177		
DM14073P1	0.01489521	1.0854589	1.025332	1.274645		
DM09515P1	0.01492647	1.0293216	1.1702106	-1.3213011		
DM06569P2	0.01493675	1.5103327	1.9135151	1.3458955		
DM05861P1	0.01495806	-1.0759407	1.1362307	1.2074403	LOC1001836	XM_002124668.1
DM11215P1	0.01496061	-1.0886403	-1.2029514	-1.548806		
DM04550P1	0.01496403	1.0626056	-1.0778519	-1.3564175		
DM02032P3	0.01496505	1.2447524	1.4388586	-1.4854163	AKR1A1	NM_001006539.1
DM00853P3	0.0149795	-1.143602	-1.4122534	1.0258806	DERE\GG147	XM_001971085.1
DM09967P3	0.01501001	1.0901926	-1.5943466	-1.0535975		
DM13231P2	0.01505392	-1.142305	-1.0989753	-1.2570235		

DM02254P1	0.0150819	-1.0790536	-1.1986139	-1.3196298	TUB2	NM_001043499.1
DM02313P3	0.01509191	1.0006328	1.0706593	1.2909361	DWIL\GK174	XM_002062268.1
DM06338P2	0.01513279	2.161681	2.57112	1.9719477	LOC410828	XM_394304.3
DM07911P1	0.01514107	-1.1783712	1.1045601	1.3921231		
DM01558P3	0.01515576	1.0288993	-1.0862535	-1.3047302	PHB	XM_001662336.1
DM02650P2	0.01518087	1.1389405	1.3605194	-1.4336095	DWIL\GK170	XM_002061732.1
DM09572P1	0.01520776	-1.2270415	-1.1177921	-1.4964482		
DM01417P3	0.01521678	-1.1601007	-1.161196	-1.3805947	PSMD1	NM_001092985.1
DM11984P1	0.01522013	1.020588	1.0269294	-1.1981794		
DM00484P3	0.01522734	1.0188352	1.002856	-1.2248179	RARS	XM_001842243.1
DM12637P1	0.01529674	1.0176485	-1.118116	-1.14903		
DM09896P1	0.0153139	-1.0302844	1.0584111	-1.1084756		
DM03153P1	0.01531752	-1.1525677	-1.2671634	1.186144	LOC1002269	XM_002198503.1
DM09500P3	0.01532741	1.2597106	1.0865288	-1.2800717		
DM12275P1	0.01534618	1.2722025	1.1594702	1.3399509		
DM07432P4	0.01539145	-1.1783092	-1.0571829	-1.2910812	LOC758878	XM_001182773.1
DM00458P4	0.0153967	1.3659482	1.8161393	1.0091763	LOC657023	XM_963512.2
DM13920P1	0.01540302	1.7407634	1.5674994	1.5866435	TRIADDRAFT	XM_002117580.1
DM08081P2	0.01541153	1.2710438	-1.2289252	2.5710351		
DM09487P3	0.0154119	1.0929906	-1.0307741	-1.3641821	DWIL\GK208	XM_002061292.1
DM06110P2	0.0154296	-1.687652	-1.998061	-2.3990133		
DM10848P4	0.0154367	1.0512199	1.0828887	-1.3115695		
DM13716P2	0.01548627	-1.3162048	-1.3364532	1.3369781		
DM03140P1	0.01551065	1.0281324	1.0232326	-1.4202943		
DM00067P4	0.01552187	-1.0849148	-1.1353701	-1.2923225	DANA\GF219	XM_001964843.1
DM05500P1	0.01553963	1.0205964	1.1998382	1.0619588		
DM06398P2	0.01555838	-1.073959	-1.204398	1.1929412		
DM00954P3	0.01556245	1.0398861	-1.0375896	-1.1635498	TRIADDRAFT	XM_002109665.1
DM05384P3	0.01569828	2.409607	2.255615	1.4728061		
DM11681P4	0.01572491	-1.0014509	1.0754534	-1.1974677		
DM11392P3	0.01572718	1.0950276	1.1594962	1.3455632		
DM11166P3	0.01574519	1.1510416	1.17282	1.2150936		
DM00440P1	0.01575208	-1.0618993	-1.2423605	-1.4525274	AGAP_AGAP0	XM_318461.2
DM11960P3	0.01576714	1.0987903	1.0331405	-1.2082921	LOC1002212	XM_002192179.1
DM06992P4	0.01578902	-1.0920994	-1.3570905	-1.8415576		
DM10616P2	0.01580865	-1.0436907	1.0046055	-1.1937449		
DM00630P4	0.01582885	1.0303057	-1.0909699	-1.2252094	LOC657452	XM_963912.1
DM00144P1	0.01584183	1.0044119	1.0048397	-1.2937466	DVIR\GJ1812	XM_002057389.1
DM05943P3	0.01584249	1.4025936	1.463012	1.3519559	LOC1002077	XM_002162013.1
DM03343P2	0.0158451	1.1075681	1.0107976	-1.1417518		
DM04417P1	0.01586525	-1.1023357	-1.0959018	-1.3577254	CG8258	NM_136574.2
DM02648P3	0.01586714	-1.1201217	1.1525832	-1.0628713	LOC664305	XM_970312.2
DM01103P3	0.01587386	-1.0434291	-1.1012639	-1.3148203	PSAT1	NM_001046804.1
DM08449P1	0.01588013	1.2810209	1.1799134	1.7016345		
DM03620P2	0.0158874	1.0049987	1.0188396	-1.791366		
DM07118P4	0.01589868	-1.1636461	-1.0207013	-1.5072314		
DM02864P3	0.01592752	-1.0570741	1.051158	-1.2495701		
DM08402P2	0.01592898	-1.18519	1.0634154	1.4640732		
DM12224P1	0.01594176	1.0348699	-1.0317566	-1.1588954		
DM01645P3	0.01595417	1.1277095	1.0405169	-1.0822825	LOC1002316	XM_002197170.1

DM01045P1	0.0159559	-1.099069	-1.0460185	-1.3389273	DMOJ\GI219C	XM_002003541.1
DM08530P1	0.01596277	1.6451032	1.4807919	1.3418671		
DM05102P3	0.01597224	-1.0252918	1.2670623	1.0793759	CSNK1E	NM_212747.1
DM07636P2	0.01598219	-1.0151966	-1.4340706	-1.916322		
DM00119P1	0.01599357	-1.0257993	-1.0010339	1.280988	LOC1000644!	XM_001495360.2
DM12973P3	0.01602197	1.3525583	1.5772264	1.6316973		
DM03089P2	0.01602386	1.0271404	1.0902468	-1.2934154	THAPSDRAFT	XM_002296344.1
DM02394P1	0.01604632	-1.102318	-1.0479139	-1.5210781	LOC1000227!	XM_001368952.1
DM04283P1	0.01609088	1.1948699	1.2302263	1.4297398		
DM10054P1	0.01611088	1.1342514	1.2474213	1.0490086		
DM00672P3	0.01616612	-1.2334865	-1.3642089	-1.3048162	UBA1	XM_001492947.2
DM00255P2	0.01619457	1.935225	2.3357773	1.8619783	DGRI\GH126	XM_001991443.1
DM03364P2	0.01622845	1.2542976	1.2190627	1.0573643		
DM01639P2	0.01624304	-1.0776914	-1.2769204	-1.2374568	DWIL\GK127	XM_002074169.1
DM11230P2	0.0162493	1.1585304	1.4063157	1.1013291		
DM07428P3	0.01628551	1.4822522	2.0229354	2.026289	TTHERM_000	XM_001014892.2
DM13778P1	0.01632964	-1.1218346	-1.1497289	1.3421564		
DM08214P1	0.01633411	1.1787843	-1.0343236	1.1534247		
DM01477P1	0.01636436	1.1831658	1.2655597	1.3261194		
DM12720P4	0.01643156	1.165999	1.2813197	1.1869868		
DM07677P1	0.01646703	1.1430123	1.4394431	1.0523049		
DM06589P2	0.01646949	-1.1361152	-1.1996835	-1.3451747	HM13	XM_393360.3
DM02393P2	0.01647893	1.0119383	-1.1095194	-1.3133527	HSP70	XM_001900162.1
DM11309P3	0.01657932	-1.0628972	-1.0255191	-1.4913422		
DM10708P3	0.01658017	-1.0468358	-1.180787	-1.4122633	MYH	XM_001659142.1
DM06552P1	0.01658215	1.0440048	1.1606691	1.7039429		
DM12231P2	0.01658337	1.4014697	1.5518818	1.4096305		
DM10256P3	0.01659775	1.1792846	-1.2335958	-1.538126		
DM03007P2	0.01662214	-1.3681129	-1.3363041	-1.222365	LOC663663	XM_969699.1
DM14481P3	0.01662429	1.5587398	2.0612867	2.3420947		
DM12349P1	0.01663044	-1.0709527	-1.0793104	-1.2811614		
DM04019P1	0.01667424	1.0308928	1.1134428	-1.0696491		
DM01205P1	0.01668185	-1.1902183	-1.1939166	-1.3267968		
DM11710P3	0.01672988	-1.2547547	-1.1027259	-1.7753773		
DM05586P3	0.01673514	-1.0380919	-1.0671637	-1.2261366		
DM09086P2	0.016748	1.44132	1.3055868	1.3086648		
DM11255P4	0.01678782	-1.1198171	1.0099293	-1.3132753		
DM12779P2	0.0168115	1.154703	1.3462163	1.1840744		
DM10740P2	0.01682166	1.0235885	1.0824397	-1.2765031		
DM00312P2	0.01684608	1.016029	-1.0357171	-1.2398379	LOC1001140C	XM_001601345.1
DM05406P3	0.01684897	-1.154256	-1.180173	-1.2304292		
DM05429P1	0.01685854	-1.1209975	-1.0706294	-1.8503892		
DM05425P2	0.01686497	1.1841272	1.5037477	1.1823392		
DM14288P2	0.01689627	-1.0364854	-1.9463923	-1.0278897		
DM06195P1	0.01695627	1.09066	1.1554254	1.4188008	AGAP_AGAP0	XM_315029.3
DM14260P3	0.01696605	-1.0797231	1.2169051	1.5363959		
DM08064P1	0.01697659	1.7017752	1.9746213	1.0441914	DMOJ\GI145C	XM_002001889.1
DM12093P2	0.0169869	-1.5977962	-1.6721191	-1.9641107		
DM00382P2	0.0169914	-1.0407443	-1.069408	-1.1852032	FZD7	NM_001144091.1
DM10979P1	0.0169944	1.0242785	1.034069	-1.454594		

DM12721P3	0.01701117	1.0355674	-1.2151506	-1.9575338		
DM05855P3	0.01706417	1.1748656	1.0671655	-1.0718046	EIF5	NM_001160627.1
DM05002P1	0.01707568	-1.1125386	1.1207092	1.1551024		
DM06102P4	0.01709496	-1.2347738	-1.1950798	-1.3955173		
DM06424P3	0.01711509	-1.3492596	-1.5475726	-1.395485		
DM04979P3	0.01713632	1.0177253	-1.1122478	-1.167896		
DM11157P3	0.01715109	1.1672217	1.2652777	-1.0194244		
DM03523P2	0.01717757	-1.0582634	-1.0523118	-1.3384446	POLR2G	NM_026329.2
DM00596P1	0.01724898	1.0371526	-1.4321318	1.0933834	LOC1000310!	XM_001380375.1
DM09549P2	0.017256	1.104991	-1.0753717	1.623097		
DM11789P3	0.0172709	1.1800838	1.0774622	-1.0487437		
DM03408P3	0.01728221	-1.479154	-1.4012309	1.178811	PGM1	NM_001038693.1
DM05088P1	0.01731494	1.0925066	1.065956	-1.2753584		
DM12716P1	0.01733834	1.2476841	1.0256304	1.6755642		
DM03209P3	0.01736917	-1.2245141	-1.2239015	-1.3378884		
DM13662P2	0.01736979	-1.2303307	-1.3711939	-1.1184876		
DM09820P3	0.01737811	-1.1737777	1.0769984	-1.2754859		
DM01867P2	0.01738235	1.1069522	-1.5033102	1.5297971	ISCW_ISCWC	XM_002406553.1
DM07311P1	0.01738243	-4.344554	-2.597872	-3.7094262		
DM13915P3	0.01741231	-1.2117246	-1.0289692	1.2543089		
DM05697P4	0.0174381	-1.6541431	1.0262221	-1.4270976		
DM11580P1	0.01744841	-1.0105783	1.0819057	1.8469728		
DM06218P2	0.01749192	-1.0757512	-1.1157942	1.1144093		
DM10032P1	0.01749936	1.0316563	1.070864	1.2029399		
DM06372P1	0.01753658	1.324761	1.6190232	1.476945		
DM11446P1	0.01754481	-1.3280879	1.0827153	-3.7509837		
DM14812P1	0.0175557	-1.0164827	1.2020624	1.6152093		
DM05394P1	0.01758277	-1.334113	-1.2010506	-1.1355226		
DM02299P2	0.01758662	-1.1460869	-1.1042986	-1.574591	DMOJ\GI193	XM_002004789.1
DM02924P1	0.01758665	-1.1745405	1.219139	1.2954774	LOC236598	NR_003279.1
DM08772P1	0.01760086	1.2261734	1.627673	1.2289481		
DM00643P1	0.01767158	1.03889	-1.1461799	-1.113393	LOC693032	NM_001044001.1
DM13456P4	0.01767357	1.0606432	1.038025	1.2440218		
DM08626P1	0.01769204	1.0736176	-1.0911947	1.6115836		
DM05556P1	0.01772099	-1.1489139	1.1325357	1.9317316		
DM02095P3	0.01773858	-1.3212022	-1.0551322	-1.5117053	NURF55	XM_001602871.1
DM06820P2	0.01774728	1.0335526	-1.0587428	1.3541641		
DM06608P1	0.01775801	-1.1130745	-1.0082259	-1.2485099		
DM08427P1	0.0177652	1.1257964	1.346548	1.2315361		
DM04975P3	0.01777758	-1.0249076	1.0369394	-1.1957426	LOC411194	XM_394668.3
DM01102P3	0.01779529	1.1593332	1.1770216	-1.0093279	OSBPL11	NM_022776.4
DM00735P1	0.01780445	-1.0651935	-1.1380897	-1.2535077	AGAP_AGAP0	XM_317142.4
DM07394P1	0.01783365	1.035238	1.1766529	1.3664378		
DM14465P1	0.01784776	1.0637485	1.3489002	1.3976761		
DM12386P4	0.01785838	-1.0229614	-1.1219877	-1.1984136		
DM04682P4	0.01786538	1.1986091	1.2098783	1.0646123		
DM10877P3	0.01789905	-1.0245035	1.2717794	1.3393861		
DM09473P2	0.01790095	1.342512	1.1908878	1.0781646		
DM11525P1	0.01790485	1.1542394	1.3114324	1.3826263		
DM14247P2	0.01793763	-1.108678	-1.155275	1.3835425		

DM13597P3	0.01794382	-1.3963147	-1.2849145	1.1702571	
DM12213P2	0.01796014	-1.0062082	1.0801176	-1.393511	
DM07845P1	0.01796155	1.4652886	2.317573	1.1020429	
DM10771P1	0.01801212	-1.035538	-1.2509565	1.1736157	
DM12799P1	0.01802183	-1.0965073	-1.2082769	-1.3044908	
DM04102P1	0.01803454	1.2017666	1.1335657	1.5832894	
DM06454P4	0.0180371	-1.0474467	1.0278058	-1.2488428	
DM04232P3	0.018053	1.0206366	-1.0335625	-1.3751253	
DM02855P3	0.01807368	1.6643854	1.5807999	1.5201879	
DM03919P4	0.01807535	1.0288675	-1.019044	-1.2063743	LOC664499 XM_970500.1
DM09759P3	0.01807716	1.0608478	1.0782304	-1.342602	
DM02452P3	0.01808402	1.0765821	1.0249817	1.6334357	DWIL\GK250\XM_002071558.1
DM03459P3	0.01812339	-1.0267738	1.0065829	-1.3761688	
DM12682P1	0.01813184	1.045628	1.0793633	1.2309105	
DM11024P1	0.01817406	-1.0692649	-1.0133728	-1.2150565	
DM04662P1	0.0181898	-1.0010715	-1.1478174	-1.371105	
DM03267P2	0.01829079	1.4975098	2.4099472	1.8870519	
DM03825P3	0.01830648	-1.1747142	-1.3359861	-1.3835526	
DM00757P1	0.0183084	-1.1926141	-1.1271313	-1.3226559	LOC1001630:XM_001946462.1
DM04364P3	0.01833421	1.3585325	1.4659961	1.0437926	
DM15074P1	0.01833504	1.0836976	1.0971644	1.2091843	
DM08122P1	0.01840315	-1.5993633	-1.1136928	1.4803735	
DM00412P2	0.01847191	-1.097373	1.0601821	-1.3976966	NOP5 XM_395309.3
DM12348P1	0.01851223	1.0389389	-1.0384482	-1.2239044	
DM06546P3	0.01853922	1.1001408	-1.0334259	1.3301709	
DM11049P4	0.01855025	-1.4601109	-1.3100088	1.0552672	
DM10201P4	0.01855601	1.0056092	1.1291203	-1.2582657	
DM02970P1	0.0186491	-1.2841597	-1.100528	1.1799192	
DM05484P1	0.01865969	-1.2624277	1.1476622	-1.3215758	
DM00199P3	0.01866261	-1.2011268	-1.2328572	-1.4111315	LOC1002300\XM_002197778.1
DM03449P3	0.01869059	-1.006418	-1.0814235	-1.4189757	
DM03438P1	0.01871121	1.1003675	1.0186516	-1.3000695	
DM02994P2	0.01872951	1.0903537	-1.1317009	-1.1719444	LOC1002268:XM_002199926.1
DM10432P2	0.0187466	1.1605971	1.2268106	1.1831532	
DM10121P1	0.01874985	-1.0062426	-1.0607432	-1.3040305	
DM00632P1	0.01875348	1.1907103	-1.01996	1.57989	AAEL_AAEL\XM_001659393.1
DM09238P3	0.01881306	1.3581206	-1.5222354	-2.371074	
DM05520P4	0.01882051	-1.0655959	1.2436922	-1.1677506	
DM07473P1	0.01884318	1.1485027	1.1894333	1.1167533	
DM06967P3	0.018845	-1.7229688	-1.6345782	-1.4421883	
DM09248P2	0.01884723	2.3979344	1.9677426	1.9004558	
DM08428P1	0.01885384	-2.6280868	-2.0726895	-1.410503	
DM03130P1	0.01888107	1.1302367	-1.4288248	1.2761697	LOC656744 XM_963250.2
DM00113P3	0.018888	1.1476349	-1.0114793	-1.2941588	PCCB NM_001133271.1
DM10108P1	0.01889472	1.2566599	1.9252518	-1.2837408	
DM00739P3	0.01891105	-1.0933691	-1.0990353	-1.4575396	LOC1001639:XM_001952079.1
DM04518P3	0.01894904	1.0326076	-1.1721989	1.6234877	
DM14668P2	0.01896843	-1.1239774	1.0140258	-1.5454254	
DM00386P3	0.01897591	1.1015906	-1.2661308	-1.2734511	DMOJ\GI146\XM_002001833.1
DM09777P3	0.01899206	-1.100315	-1.1056461	-1.398157	

DM02222P3	0.01900034	-1.2651522	-1.2835668	-1.828497	DMOJ\GI203{XM_002005212.1
DM03787P3	0.01904315	1.3785889	1.1236495	1.0545381	AAEL_AAEL01XM_001663998.1
DM09518P4	0.0190662	-1.3018057	-1.265285	1.0381359	
DM03406P3	0.01911085	-1.022206	1.0068005	-1.2169653	ESD NM_001984.1
DM07744P4	0.01912847	1.1834491	1.3634299	1.5838183	
DM12011P2	0.01918172	-1.1161991	-1.1064538	-1.4506395	RAB27A NM_001092394.1
DM12633P1	0.01921534	1.1297239	1.0082345	1.3500116	
DM00425P3	0.01922839	1.0630852	-1.1862265	-1.2006266	DVIR\GJ2424 XM_002051925.1
DM01937P1	0.01923538	-1.1919581	-1.2337172	-1.3057673	CPIPJ_CPIJOC XM_001851126.1
DM09674P3	0.01926883	-1.0381007	1.3847818	1.5111357	
DM04428P4	0.01927778	-1.1225464	-1.1665713	-1.2568175	DPER\GL2107 XM_002023180.1
DM01209P1	0.01929679	-1.0807419	-1.2053939	-1.2503467	TRIADDRAFT XM_002109158.1
DM01469P1	0.01929722	-1.27174	-1.1352929	-1.5491825	LOC1001946{NM_001139749.1
DM06340P1	0.01932599	1.0545237	-1.0127581	-1.2481076	
DM14052P3	0.01935987	-1.2457248	1.1673092	1.0032246	
DM12448P2	0.01936866	-1.08929	1.2325773	-1.1407841	
DM05651P1	0.01939116	1.2477669	1.2170194	-1.1393354	
DM12406P2	0.01939848	1.2870153	1.1840105	1.0077711	
DM00567P1	0.01940344	1.0201018	1.0251163	-1.2915962	DVIR\GJ1812 XM_002057389.1
DM15294P1	0.01948467	-1.1393833	-1.0165315	1.1367531	
DM02477P1	0.01948541	-1.0232846	-1.1491171	-1.3912969	LOC1001590{XM_001951172.1
DM03526P2	0.01952574	-1.5417601	-1.0063795	1.0225233	LOC726674 XM_001122396.1
DM04480P2	0.01952781	1.1762372	1.5073471	1.1429662	AGAP_AGAP0 XM_001688796.1
DM03925P2	0.01959569	-1.4404836	-1.5559535	-1.4033225	SEC61 XM_001649279.1
DM04578P1	0.01961558	-1.0418057	-1.0840745	-1.2604196	
DM14934P3	0.01961665	1.1770052	1.1546993	1.2943	
DM12666P2	0.01963572	1.3529195	1.3374104	1.2341555	
DM08755P3	0.01964159	4.14854	6.902769	2.4690807	HYR10 XM_001384426.1
DM07084P1	0.01966634	-1.6167897	-1.3568249	-1.2378887	
DM07046P1	0.01967692	-1.1246693	-1.0552773	1.4034466	
DM00936P2	0.01969603	-1.191565	-1.1061666	-1.2473595	ACYPI006352 NM_001162188.1
DM07675P2	0.01972756	-1.2505832	1.4809307	1.1617844	
DM13754P1	0.01972906	1.2320712	1.1621408	1.1555533	
DM04317P3	0.01974163	1.8145329	1.9759663	1.800649	
DM09595P3	0.01977068	-1.1018265	-1.1408079	-1.3041229	
DM06214P2	0.01981636	-1.4573909	-1.0749723	1.0840633	
DM09729P3	0.01982063	-1.1011804	-1.06231	-1.453624	
DM10999P3	0.01982142	-1.1496214	1.0409529	-1.2845374	
DM05062P2	0.01988398	-1.1325519	-1.4127383	-1.0055519	
DM09068P1	0.01988845	1.016179	1.0214053	1.3775971	
DM09581P3	0.01988976	1.3888878	1.6630349	1.1162057	
DM14113P1	0.01989394	-1.3214111	-1.169923	1.1514091	
DM06764P2	0.01991798	1.1594839	-1.6517491	1.8288943	
DM06024P2	0.0199413	-1.0343663	-1.1348231	-1.2159461	LOC1002306{XR_053896.1
DM08343P2	0.01997552	-1.0893347	-1.200762	1.1678865	
DM03474P1	0.02001443	-1.15675	-1.1519835	-1.2787095	LOC1000288` XM_001371892.1
DM04821P3	0.02005977	-1.0200653	-1.0094461	-1.2414098	ISCW_ISCWC XM_002405702.1
DM12680P2	0.02007256	-1.8960501	-2.735455	-1.4693738	CPIPJ_CPIJOC XM_001846375.1
DM04084P1	0.02007353	-1.0972707	-1.1020353	-1.3329313	DPSE\GA174{ XM_001361857.2
DM02075P1	0.02008689	-1.0917295	-1.1167171	1.1322721	DYAK\GE202` XM_002094252.1



DM03718P3	0.02008858	2.0364957	2.5667477	1.7012405	
DM14367P1	0.02012749	-1.1940062	1.0972975	-1.38204	
DM12154P2	0.02015181	1.7206241	1.6088789	1.4845924	
DM01290P1	0.02016738	-1.1488993	1.2443715	1.2040983	DGRI\GH238\XM_001994285.1
DM06553P3	0.02018262	1.0380889	1.1213732	1.2682173	
DM10646P3	0.02019702	-1.39368	1.0628399	-1.4741865	
DM11028P4	0.02026204	-1.0539689	1.1065907	-1.1836803	
DM12848P1	0.02029426	1.083424	1.1818364	1.2803547	
DM03157P2	0.02031313	1.1854888	1.0309368	1.2427396	DWIL\GK250\XM_002071549.1
DM02949P3	0.02033212	-1.0382113	-1.1882203	-1.3305354	SNRNP70 XM_001661556.1
DM12815P1	0.02034611	1.0202469	-1.0649718	-1.2640289	
DM03989P4	0.02035476	-1.1697341	-1.3825119	1.821101	LOC1002129\XM_002160660.1
DM10901P1	0.02036142	-1.1812333	-1.2356675	1.2666049	
DM07941P2	0.02037215	-1.11342	1.2084901	1.6504282	
DM13297P1	0.02037359	1.0685304	1.2300564	1.2196532	
DM02624P2	0.0203919	1.2624158	1.0369478	-1.0171767	LOC1001597\XM_001952088.1
DM13349P1	0.02039465	-1.130092	-1.1669127	-1.0473671	
DM09530P1	0.02043364	1.0356481	-1.0195456	-1.3033578	
DM04528P1	0.02045785	-1.1122446	1.0641196	1.2331257	
DM12623P2	0.02048508	-1.1350298	-1.0551921	-1.3632417	
DM01014P3	0.02049764	1.1589488	-1.0211133	1.7359767	MIOX NM_017584.5
DM02312P3	0.020505	-1.089292	1.03013	1.2295467	MONBRDRAF\XM_001744661.1
DM02696P3	0.02052519	-1.1659029	-1.1629685	-1.5070635	FKBP13 XM_002091496.1
DM12588P1	0.02054649	-1.2342614	-1.1087883	-1.3294796	
DM01395P3	0.0205626	-1.097592	-1.008679	-1.2596569	DVIR\GJ1256\XM_002046305.1
DM00223P2	0.0206045	1.268308	1.2077945	-2.2586994	LOC576659 XM_776942.2
DM10748P1	0.02066986	1.1690646	1.1727973	-1.1724756	
DM12934P1	0.02068142	-1.2373062	1.0219085	1.2241889	
DM03327P4	0.02081481	-1.0220464	1.0210453	-1.311579	
DM08586P1	0.02084115	-1.5053744	-1.0395149	-4.2015634	
DM02156P3	0.02085947	-1.0068171	1.2950537	2.210228	
DM13142P3	0.0208657	-2.4763274	-2.1744177	-1.4612199	
DM08462P1	0.02089158	-1.0975764	1.2938833	1.3532673	
DM13984P3	0.02090123	1.1542982	1.2517865	-1.1366429	
DM08979P1	0.02090461	1.1277901	1.0135741	-1.1419654	
DM09623P2	0.02096548	-1.0997007	1.0167397	1.2289965	
DM13817P3	0.02098616	-1.7385484	-1.8268017	-2.6298778	
DM00679P3	0.02101057	-1.0055068	-1.0527035	1.3357853	FTZ-F1 XM_001652964.1
DM10177P2	0.02101364	-1.1673985	-1.0227741	1.2379286	
DM14511P3	0.02102455	1.0355438	1.1292754	-1.33471	
DM05930P2	0.02106334	1.2505598	1.2216833	-1.0268558	LRP2 XM_422014.2
DM09278P2	0.02107083	1.462477	1.6568605	1.01061	
DM10070P3	0.02107638	-1.2700117	-1.3252331	-1.0663413	
DM05766P2	0.02109817	1.3380154	1.474494	1.1062785	
DM06719P2	0.02111931	1.1362367	1.1351982	1.2646086	
DM10127P3	0.02112353	1.2144586	1.3127755	1.3767239	
DM03251P2	0.02114669	-1.0910679	1.1313937	-1.5253103	LACBIDRAFT_XM_001882813.1
DM07703P1	0.02120071	-1.1110127	1.1871651	1.0922548	
DM06852P2	0.02120086	-1.1252601	-2.2007775	-1.5002877	
DM02276P3	0.0212166	-1.9613484	-1.2267673	-2.6780233	

DM12034P1	0.02127135	1.622403	1.2128332	1.2879049		
DM08207P4	0.02129539	1.0317472	1.0484701	1.4286716		
DM02153P3	0.02129594	1.3516989	1.7475892	1.1856186		
DM02997P1	0.02131803	-1.1709429	1.059092	1.1391174	RPL37A	XM_001849540.1
DM10761P1	0.02133314	-1.021433	-1.0460529	-1.1599492		
DM00953P1	0.02134373	-1.1583284	-1.2237133	-1.2039627	CYB5R3	XM_780154.2
DM01747P3	0.02136506	-1.714678	-1.3856367	-1.020257	DSIM\GD130	XM_002083949.1
DM08459P2	0.02142762	2.2743878	2.1060038	1.7025812		
DM11254P1	0.02148601	1.2738229	1.2610738	1.0233403		
DM12278P1	0.02150013	1.2818161	1.0165448	1.5772874		
DM00185P2	0.02153733	1.0574285	-1.1406106	-1.0951419	LOC1001666:	XM_001944414.1
DM09489P4	0.02154009	-1.1311916	1.1682118	1.2445168		
DM03384P3	0.02154919	-1.040063	1.0198162	-1.27853		
DM10654P3	0.02156042	1.0270898	1.2030056	-1.2189091		
DM13013P4	0.02158067	-1.1616073	-1.0948323	1.178688		
DM03049P3	0.02159548	1.4991689	1.8243673	-1.2646822	DPSE\GA112	XM_001359815.2
DM01916P2	0.02162893	-1.2629403	-1.4265522	-1.5254017	DSEC\GM113	XM_002041744.1
DM11236P2	0.02163292	1.1782159	1.0127448	1.9384344	DSEC\GM105	XM_002038503.1
DM03893P2	0.02169192	1.1156589	-1.156327	-1.3273662		
DM10656P4	0.02170864	1.2587924	1.239476	1.1345748		
DM05447P1	0.02171395	1.1736412	1.1616604	1.0776097		
DM08711P2	0.02174306	1.1385666	-1.1182296	-1.15658		
DM00273P2	0.02174803	-1.1246848	-1.0479634	-1.2833465	ISCW_ISCWC	XM_002407701.1
DM07967P1	0.02175286	-1.0684717	1.1115031	1.2861236		
DM12398P3	0.02176395	1.5079204	1.3816835	1.695412		
DM00493P1	0.02176486	1.2290847	1.1929598	1.0079722	GALT	XM_001865129.1
DM03912P4	0.02177995	1.0654131	-1.0007105	-1.303567		
DM08698P1	0.02181722	1.4688164	-1.1554856	1.5783658		
DM11154P3	0.02182892	1.076125	1.1761371	1.0213342		
DM15344P1	0.0218494	-1.3382802	-1.1771662	-1.7361114		
DM02932P1	0.02192228	1.3729751	1.4831376	1.325898		
DM06981P1	0.0219301	1.0305914	-1.5568941	1.2349416		
DM00194P2	0.02195034	-1.0272036	1.019245	-1.2889118	LOC1001657:	XM_001949066.1
DM09224P1	0.02198451	-1.0069922	1.0954221	1.2465438		
DM00443P1	0.02199307	-1.0929765	-1.3190509	1.0928179	AMT	NM_001006021.1
DM01809P3	0.02200096	1.6020232	1.6849159	1.3435984		
DM03606P2	0.02200315	-1.1134242	-1.2141569	1.1830848	DANA\GF244:	XM_001965262.1
DM13422P1	0.02206032	1.4364978	1.5195563	-1.4723381		
DM13271P1	0.02206131	1.0011971	1.0025097	-1.2007776		
DM02707P2	0.02207503	1.2914499	1.3517307	1.0990628	CTH	NM_145953.2
DM01515P2	0.02209191	1.0493058	1.061157	-1.1898783		
DM06288P2	0.02210562	-1.053086	-1.3555005	1.3170227	EDA	NM_001115065.1
DM14537P2	0.02211404	1.036661	1.1995761	1.2187682		
DM14591P2	0.02213814	-1.3178427	-1.6347954	1.2737212		
DM11882P2	0.02216589	-1.3222644	-1.4740132	-1.4057603		
DM06096P3	0.02217184	-1.2024763	1.0181798	1.4877589		
DM01016P1	0.02220596	-1.0486561	-1.2277662	-1.1995989	DWIL\GK127:	XM_002074164.1
DM09756P1	0.02221114	-1.0894163	1.024079	1.4189422		
DM03294P1	0.0222477	-1.0430439	1.0013657	-1.3151183		
DM05471P1	0.02226852	-1.0628256	1.026557	1.3978227		

DM06544P1	0.02227005	-1.1897717	-1.095473	-1.2553388	
DM02336P1	0.02229294	1.067991	-1.2529306	-1.235742	LOC1001152\XM_001599016.1
DM10649P1	0.02231441	1.3319566	1.4280401	1.5619738	
DM08955P2	0.02231474	-1.1261172	-1.0615749	1.1822183	
DM08845P1	0.02232807	2.0006847	2.8756096	-1.3757827	
DM03152P3	0.02234417	-1.022365	-1.0662097	-1.4252641	
DM01200P3	0.02236315	-1.2965814	-1.2318152	-1.1053745	
DM12225P1	0.02237151	-1.0717019	-1.240641	-1.3004777	
DM06631P1	0.02242525	1.0173264	1.1817374	1.2832732	
DM04007P1	0.02246464	-1.1993115	-1.1602196	1.3161372	
DM01070P1	0.02249015	1.0863477	1.0329603	1.4325699	DMO\GI147\XM_002010252.1
DM08105P2	0.02259934	1.1757191	1.3696913	2.1353204	
DM10397P1	0.02261467	1.2171243	1.2407658	1.8748783	
DM08658P1	0.02261868	-1.0852386	-1.0245836	-1.2232376	
DM11643P4	0.02264176	1.163849	1.2916758	-2.0508504	
DM12171P1	0.02264553	1.2722982	1.4115055	1.3963362	
DM10157P3	0.02270432	-1.450878	-1.1752278	1.1550174	
DM09635P2	0.02271978	1.0545084	1.175083	1.1626748	
DM02093P1	0.02272657	1.0569171	-1.387197	1.7447958	GASP NM_141354.2
DM01106P3	0.02273251	1.079032	-1.0461668	-1.2252306	LOC1000529\XM_001496831.2
DM07032P4	0.02275109	-2.4633315	-1.284977	-4.490636	
DM01015P1	0.02283996	1.2266921	1.1083246	1.4061974	
DM03684P1	0.02287342	-1.0396047	-1.1820083	-1.3663862	
DM09924P2	0.02287382	1.053777	1.0294571	-1.1990497	
DM01801P2	0.02290005	-1.0848598	-1.001478	-1.2898496	FIB XM_624375.1
DM13800P2	0.0230143	-1.3637941	-1.034872	1.2354484	
DM09050P2	0.02302188	1.0757626	1.169226	1.0185174	
DM03291P3	0.02303661	-1.1655531	1.0096424	-1.2415966	DVIR\GJ1438 XM_002058358.1
DM03984P2	0.02304933	1.0296347	1.1112648	-1.5756294	
DM09249P4	0.02308158	1.5796621	-1.130127	-1.5241787	
DM01837P2	0.02309082	-1.0190496	-1.1483032	-1.2954739	LOC1001872\XM_002129065.1
DM07449P2	0.0231157	1.3262663	1.2968845	1.0908931	
DM11433P2	0.02315745	1.1010492	-1.4719663	-1.043339	
DM11611P2	0.02320061	1.1228063	1.0955666	-1.2004895	
DM09620P1	0.02320412	-1.1024284	-1.1203719	-1.3310235	
DM09526P2	0.02320732	-1.0855329	1.1414702	1.05475	
DM04026P1	0.0232105	-1.555203	-1.6278442	1.012352	
DM04848P1	0.02322741	1.0250207	1.0738477	-1.2756754	
DM15087P4	0.02325202	-1.2431952	-1.5052496	1.4102023	
DM05011P1	0.02328174	-1.0478439	1.012499	-1.2987435	
DM08173P2	0.02334616	-1.1983951	-1.1660748	-1.1584957	
DM11072P1	0.02336996	-1.0750145	-1.0625405	-1.3782573	
DM05211P1	0.02337435	-1.019071	1.1175106	1.1855031	
DM10939P3	0.02338264	1.1696888	1.2574298	1.6451756	
DM01843P4	0.02340941	-1.1702104	-1.0226555	1.2690437	
DM07349P1	0.02349501	-1.3093361	-1.0592145	-1.470423	
DM12182P2	0.02349561	1.2240938	2.26712	-1.8321263	
DM04843P3	0.02351156	-1.1504503	-1.1159164	1.0957404	AGAP_AGAP0 XM_001688445.1
DM13077P3	0.02351164	-1.1755046	-1.248229	-1.2680807	
DM14730P2	0.02352453	-1.1283439	-1.188265	1.6777372	

DM00276P3	0.02353308	1.0496309	-1.0331565	-1.2055041	PPP2R1A	NM_204074.1
DM06366P3	0.02353347	1.1023662	-1.423788	1.7821864	DERE\GG106	XM_001978992.1
DM12853P3	0.02353629	1.1306531	1.0739347	-1.1817756		
DM05153P1	0.02356148	-1.457211	-1.1256194	-1.2975554	LOC1001773	XM_002127797.1
DM00667P1	0.02360494	-1.1110153	-1.0540369	-1.3731896		
DM06958P2	0.0236221	-1.5105731	-1.1543819	-2.2650065		
DM10233P1	0.02365423	-1.7791686	-1.7822915	-1.640692		
DM12192P2	0.02368185	-1.1232857	-1.0443666	-1.2133236		
DM00013P1	0.0237115	-1.094347	-1.214782	-1.2861655	FLR	XM_624085.2
DM12766P2	0.02371317	1.4642723	2.4658966	1.3908844		
DM00865P3	0.02373196	1.0430592	1.1021947	-1.3550901	LOC656332	XM_962871.1
DM02296P3	0.0237622	1.38747	1.4262513	1.1509786	WIPI2	XM_856866.1
DM08463P2	0.02378508	-2.5197918	-1.8354074	-1.3546474	FG01049.1	XM_381225.1
DM09496P1	0.02378576	1.1174092	1.2387758	1.425047		
DM01497P2	0.02379726	1.0422997	1.0685062	1.3808792		
DM02584P1	0.02380464	-1.4021579	-1.2129798	-2.140852		
DM06634P3	0.02381485	1.1322093	1.3504394	-1.5643977	LOC1001461	XM_001916360.1
DM00450P3	0.0238165	1.1843247	-1.0644323	1.2139022	DSEC\GM235	XM_002032381.1
DM05673P3	0.02386253	1.0595437	-1.4957833	-1.3680202		
DM00576P2	0.02386494	-1.2163029	-1.1242632	-1.399922	DPSE\GA188	XM_001358673.2
DM00681P4	0.02386584	1.1615932	-1.0251096	-1.1649959	DMOJ\GI195	XM_002004513.1
DM07342P3	0.0238663	1.2534889	1.2485099	1.4148651		
DM03218P3	0.02394667	-1.1636181	-1.2587024	-1.3023223		
DM08656P1	0.02397994	1.0183942	-1.4631004	-1.6061436		
DM02455P1	0.02406578	-1.3537843	-1.5354526	-1.2115136		
DM06908P1	0.02410508	1.0464079	1.0895482	1.4394492		
DM06371P3	0.02411592	1.1524241	-1.0693755	1.9199845	CYP306A1	NM_001112751.1
DM04009P3	0.02414257	-1.1741898	-1.2742872	-1.3493087	LOC725146	XM_001120311.1
DM11042P1	0.02414635	1.0774953	1.1718878	1.4661702		
DM10446P1	0.02415793	1.1647385	-1.0391437	-1.0539404		
DM05781P1	0.02420118	-1.0279852	-1.2480454	1.3221072		
DM06313P2	0.02422539	-1.6504456	-1.5371333	-1.2034435		
DM00622P4	0.02428085	-1.0096331	-1.1390998	-1.1736017	EIF4G2	NM_001004992.1
DM02391P3	0.02429637	1.1194222	1.0040451	1.5319792	DMOJ\GI170	XM_002001782.1
DM01476P2	0.02431467	-1.1527387	-2.5085604	-3.0431411	DSIM\GD133	XM_002083392.1
DM03572P1	0.02431492	1.0615168	1.0312928	-1.3241593		
DM07954P1	0.02431592	-1.6428694	1.2126399	1.1963761		
DM06167P1	0.02432988	-1.1173915	-1.0413668	1.3544598		
DM11077P1	0.02435994	1.1558962	-1.2811936	-1.4507371		
DM14295P3	0.02436791	1.1374722	1.005586	1.4559001		
DM12215P3	0.02445684	-1.0901155	-1.1408073	-1.210009		
DM01462P3	0.02447412	-1.1764859	-1.2547451	-1.3004061	NFXL1	NM_133921.2
DM12577P2	0.02448784	1.0290719	-1.0179623	1.2951106	ISCW_ISCWC	XM_002404024.1
DM03238P1	0.02449589	1.0558698	1.0498844	1.2573754	AGAP_AGAP0	XM_320237.3
DM08373P1	0.02450559	1.239885	1.8160323	2.7809708		
DM01435P2	0.0245269	-1.1129534	-1.1388993	-1.3456944	LOC592289	XM_791820.2
DM05820P1	0.02454691	1.1016557	-1.0412132	-1.1069369	LOC1001651	XM_001944264.1
DM11990P3	0.02455397	-1.1022347	-1.1954124	-1.4895115		
DM03905P2	0.02463239	-1.0777458	1.1910591	-1.2888796		
DM11591P2	0.02464191	1.0279438	-1.0726302	-1.3287082		

DM07217P3	0.02465374	-1.4687871	-1.5830979	1.4104764	BACOIKO003	XM_001913203.1
DM07366P3	0.02466312	-1.2529358	-1.1577328	1.108125		
DM03877P2	0.02469325	-1.166595	1.0676928	-1.3870366		
DM15147P3	0.0247409	-1.2510014	-1.0442334	1.0615735		
DM06980P3	0.02476961	-1.1445447	1.0271325	-1.4401436		
DM00828P2	0.02480301	-1.0595949	1.1127579	-1.5815903	TRAF	XM_001846638.1
DM05960P1	0.02480514	-1.1805611	-1.3550375	1.3901877	COL4A2	NM_001846.2
DM15199P1	0.02482515	-1.1302361	-1.1169944	1.1374466		
DM09458P3	0.02489187	-1.0248446	1.1049075	-1.2512933		
DM02234P1	0.02489579	-1.1084925	-1.189962	-1.2605302	TSR	NM_001126170.2
DM02934P2	0.02492874	1.1763026	1.2912319	1.4223802		
DM02860P2	0.02493231	-1.3042587	-1.2211186	-1.2675883	SPASE22-23	XM_001122788.1
DM06801P2	0.02499453	2.1853237	2.7884817	2.4418104		
DM12667P3	0.02502316	-1.1253837	1.0122975	-1.1992526		
DM00697P2	0.02504706	1.176691	-1.1270542	-1.2654749	AAEL_AAELOC	XM_001652204.1
DM12745P2	0.02505237	-1.156706	-1.0443368	-1.6741168		
DM07497P2	0.025063	1.0705849	-1.0350924	1.7354507		
DM05647P2	0.02509817	1.2465112	1.2908754	1.7196455		
DM06910P3	0.02511	1.552278	-1.5490217	1.450722		
DM10472P3	0.0251168	1.2263882	1.4989074	1.4923266		
DM11565P3	0.02511948	1.0012529	1.1661518	-1.1679053		
DM08238P1	0.02513362	-1.380034	-1.1088909	-2.237401		
DM15021P1	0.02519048	-1.0417548	-1.0443021	1.6262567		
DM14756P1	0.02519462	-1.038635	-1.0702988	1.4037646		
DM09766P4	0.02519815	1.3774252	1.1468388	-1.1835841		
DM11266P3	0.02532147	1.2214857	1.0456614	-1.1061927		
DM04059P2	0.02535386	-2.2781842	-2.4239702	-1.1423079	POPTRDRAFT	XM_002335211.1
DM14248P4	0.02537915	-1.2407526	-1.047383	1.3538837		
DM08505P1	0.02539365	1.1262252	1.0100045	1.5352331		
DM06708P3	0.02551082	-1.283045	-1.4382709	-1.0882038		
DM04369P3	0.02554628	-1.2077645	1.3055531	1.9994166	LOC448984	NR_002170.3
DM00769P3	0.02556521	1.0025479	1.0384685	-1.2747276	LOC1000233	XM_001369640.1
DM07390P3	0.02560435	-1.0415419	-1.7113502	1.6684207		
DM03782P4	0.02560971	-1.005839	-1.2667383	1.5165635		
DM07130P3	0.0256288	3.581927	6.0726366	1.1399301		
DM04438P3	0.02563204	-1.3745954	-1.466434	-1.9120626	PICST_68241	XM_001386193.1
DM01789P4	0.02563596	1.050197	-1.0436528	1.1982698	DERE\GG123	XM_001982035.1
DM07688P3	0.02564173	2.2721486	2.553191	3.1632528		
DM10824P3	0.0256753	1.0937765	-1.1920023	-1.1697603		
DM05032P1	0.02571236	1.2263393	1.0915623	1.5528103		
DM13880P3	0.02573025	-1.1800259	1.0319413	-1.3711466		
DM00539P2	0.02575317	-1.0076897	1.0004421	-1.1978865	LOC612762	XM_850950.1
DM10714P3	0.02575416	-1.1721038	-1.2034849	-1.2427356		
DM07211P1	0.02577554	1.4635683	-1.0187504	-1.0219272		
DM07972P1	0.02578764	-1.2040383	-1.0780853	1.0341463		
DM08869P2	0.0257973	-1.2296523	-1.142632	1.1596848		
DM07019P1	0.02581548	-1.1261406	-1.4470283	-1.6997459	IMPDH1	NM_001017283.2
DM13478P3	0.02583326	-1.6090437	1.072323	-1.0305334		
DM05545P2	0.02588585	-1.242211	-1.0616561	-1.5841334		
DM03187P1	0.02593403	-1.0097299	1.0431659	-1.1649748	GSTO1	XM_624498.2

DM09064P1	0.0259691	-1.0030725	1.0132632	-1.1694491	
DM13362P2	0.02597085	1.1781507	1.4170719	-1.1507549	
DM05888P1	0.02603153	-1.1281575	-1.2134088	-1.4856431	DGRI\GH110:XM_001988165.1
DM06680P1	0.02603191	1.1417322	-1.0564572	-1.2680848	
DM00279P3	0.02604919	-1.0876279	-1.1486666	-1.2288952	OS03G08106 NM_001058200.1
DM08678P1	0.02606744	-1.359338	-1.411133	-1.3590261	
DM07868P3	0.02611033	-1.2728755	-1.3907987	-1.3373109	
DM04929P1	0.02611818	1.0205007	-1.1466821	-1.0794541	
DM02729P2	0.02614446	1.0702926	-1.2473854	-1.1724019	DGRI\GH124:XM_001990947.1
DM00585P2	0.02614566	1.139981	1.0080773	-1.1957332	TALDO XM_001855849.1
DM04499P1	0.02618898	1.0454978	1.2824374	1.2011464	
DM01043P1	0.0262054	1.1066815	1.0138894	-1.1675117	MATS XM_393046.3
DM10922P3	0.02623713	-1.5341252	1.3571153	1.1479306	
DM08249P4	0.02628917	1.3958025	1.9235756	1.3778646	
DM07251P2	0.02629155	2.1585674	5.077276	1.4832832	
DM00860P1	0.02634672	1.0972581	-1.053707	1.2224452	NEMVEDRAFT XM_001631621.1
DM04327P1	0.02640492	-1.022983	-1.0879748	-1.1509635	
DM11709P3	0.02648281	-1.0721924	1.0454923	-1.1773846	
DM07810P3	0.02649283	-1.0866171	1.0170366	-1.3366297	
DM09217P1	0.02653239	1.4177425	1.4869399	1.2273958	
DM00097P2	0.02653994	-1.2670935	-1.4268789	-1.2660489	DWIL\GK183:XM_002075444.1
DM04610P2	0.02659745	1.1583006	1.1709539	1.2379783	
DM12037P2	0.02665919	1.0800151	1.2007856	1.3874964	
DM03659P1	0.02666596	-1.4565436	-1.0855705	-1.026524	LOC552533 XM_624909.2
DM01028P3	0.02669672	-1.0050455	1.0442379	1.1684247	
DM12318P2	0.02673104	-1.1602736	1.219531	-1.159839	
DM08833P1	0.02673885	-1.1018263	-1.3489906	2.2376733	
DM00408P3	0.02676981	-1.1243116	-1.124394	1.1852378	DVIR\GJ2411 XM_002053828.1
DM06828P3	0.0268226	1.2093562	1.3744285	1.8185015	
DM10744P1	0.02686709	-1.0487448	-1.1185544	1.2466964	
DM12661P1	0.02686916	-1.0329947	-1.24376	-1.098592	
DM08554P1	0.02690312	1.1565937	-1.9542474	1.1749176	
DM08782P2	0.02692996	1.5471803	1.7589562	-1.2403709	
DM12291P1	0.02695655	1.1613042	1.2655557	1.462394	
DM10962P4	0.02699087	-1.1511043	1.1100649	1.0760291	
DM04911P1	0.02700709	-1.0109375	1.0714374	1.3221797	PB103351.00 XM_666562.1
DM00009P3	0.02702063	1.0098091	-1.1571951	-1.29899	LOC1001425:XM_001812711.1
DM12402P3	0.02702132	1.2384038	1.323427	1.3701711	
DM03843P3	0.02702376	1.0751911	1.3305602	-3.3867493	
DM12724P1	0.02704795	-1.0148602	1.2708007	-1.318983	
DM09790P1	0.02705281	1.16125	1.2531573	1.2119843	
DM11450P3	0.02707717	-1.2486291	1.5366297	-5.032806	TC00.104705 XM_810909.1
DM14760P2	0.02714155	-1.0185446	-1.5099376	1.5356966	LOC1000193:XM_001367740.1
DM02675P4	0.02719991	-1.1079806	-1.0607214	-1.3496072	
DM13115P1	0.02723415	-1.2549418	-1.2230333	1.2087916	
DM03026P2	0.02729249	-1.6653727	-1.7846757	-1.8432978	
DM08490P1	0.02732352	1.4115299	1.5223665	1.8109506	
DM11952P1	0.02732352	-1.0322832	1.1312975	-1.1931176	
DM00900P1	0.02732802	1.0837514	-1.0066131	-1.2039593	CMU_001310 XM_002141573.1
DM00383P1	0.02732877	-1.0581151	-1.0794898	-1.1764325	

DM01040P2	0.02736417	-1.0777684	-1.0241122	-1.2371334	DMOJ\GI1534 XM_002009385.1
DM10150P1	0.02738206	-1.050526	-1.525796	-1.6797616	
DM00565P3	0.02738221	-1.0728325	-1.1456879	-1.4536124	AAEL_AAEL01 XM_001655876.1
DM12940P2	0.0273834	-1.1651912	-1.2081655	-1.1943762	
DM14755P1	0.02742093	-1.1280891	-1.07432	-1.4942768	
DM06697P3	0.02742459	-1.1356002	-1.1444341	-1.2356184	
DM05901P1	0.02746922	1.2411149	1.225578	1.3938797	AGAP_AGAP0 XM_314158.4
DM12179P3	0.02746965	1.1107576	1.0894182	1.8595015	LOC657243 XM_963712.2
DM12336P2	0.02747265	1.0821761	-1.075716	-1.1562147	
DM09747P3	0.02748888	1.0554564	-1.0187265	1.2644632	
DM10420P3	0.02749979	-1.0718665	-1.3125583	1.140335	
DM06376P2	0.02753145	1.0891398	-1.1028188	-1.2209592	DPER\GL2285 XM_002024060.1
DM00379P4	0.02755706	1.2344618	1.1561695	1.5293738	LOC409759 XM_393252.3
DM06002P3	0.02758303	-1.0562954	1.0763981	-1.2470992	
DM11011P3	0.02764986	1.0003253	1.271008	-1.0235314	
DM00357P4	0.02767787	-1.0491165	1.060334	-1.1992296	LOC661599 XR_043119.1
DM01178P1	0.02767916	1.4291785	1.2461958	1.4644742	
DM13348P1	0.02771151	-1.1652001	-1.0263954	-1.5045599	
DM03859P2	0.02779036	1.4022815	-1.589078	-1.76277	
DM11966P2	0.02780491	-1.3399521	-1.6894557	-1.339093	
DM03257P4	0.02782601	-1.0858052	-1.0915192	1.2439497	
DM04086P1	0.02783577	1.1105525	-1.0410606	-1.1246502	
DM05253P2	0.02787056	-1.0831084	1.0319902	-1.1850672	
DM00884P2	0.02787343	-1.1203213	1.0409375	-1.5492073	DPSE\GA1856 XM_001353045.2
DM05052P3	0.02789764	-1.4903336	-1.5756991	-2.2353442	
DM04096P3	0.02798674	-1.3814461	-1.0324469	1.5020099	LOC408559 XM_623249.2
DM02329P3	0.0280251	-1.0890241	1.0621593	1.41282	DWIL\GK2386 XM_002069092.1
DM06094P1	0.02802833	-1.1031617	-1.0336235	-1.3231388	
DM03054P2	0.02803397	-1.075499	-1.3559465	-1.2790426	DVIR\GJ2408 XM_002053769.1
DM13605P1	0.02804571	1.0086571	-1.0712882	1.1852672	DVIR\GJ2128 XM_002048843.1
DM01250P1	0.02809021	-1.0816985	-1.2141174	-1.073172	ANON-381ME XM_002106913.1
DM06054P2	0.02809169	1.0533632	-1.0134505	-1.286985	
DM00243P2	0.02810616	-1.1061752	1.0120833	-1.5252787	LOC10019466 NM_001139749.1
DM08963P1	0.02811549	-1.0663527	1.1374336	1.4182584	
DM10728P2	0.02811766	1.02961	-1.1727556	1.288179	MMD NM_206752.2
DM08906P1	0.02812484	-1.1988307	-1.0944138	-1.250129	
DM11301P4	0.02819313	1.0697874	-1.1824985	-1.2834831	
DM01891P3	0.02823902	1.181631	1.0785012	-1.0150143	LOC10020067 XM_002165382.1
DM06184P3	0.02825648	-1.2677617	-1.0292559	1.1221929	LOC10016256 XM_001943151.1
DM00655P3	0.02826436	-1.0102373	1.1209203	1.1933838	DPSE\GA2177 XM_001357799.2
DM04526P2	0.02826543	1.1444585	-1.0534726	-1.0661134	
DM12333P2	0.02837845	1.1619816	1.1135724	-1.0700095	
DM04785P2	0.02840692	-1.1436605	1.1026127	-1.3351134	
DM00103P2	0.02840982	1.1368922	1.1026214	-1.2111974	AAEL_AAEL0C XM_001652533.1
DM05176P3	0.02842522	1.498894	1.2310265	1.0090272	
DM08172P1	0.02844482	-1.0024139	-1.0729687	-1.2638755	
DM02265P4	0.02845345	1.4277635	1.9041663	2.0763915	
DM02096P3	0.02857085	-1.2068485	-1.0011317	1.4740742	
DM12590P1	0.02857962	-1.1138341	-1.3355011	-1.1197671	
DM01057P2	0.02858192	-1.2539005	-1.1575804	-1.1069357	NEMVEDRAFT XM_001634500.1

DM05364P2	0.02861452	1.4978981	1.4777297	1.5396724	
DM05800P1	0.02862807	1.014127	-1.123566	-1.32104	
DM09712P3	0.02865862	-1.0246869	-1.086678	-1.3151587	
DM03210P2	0.02866527	1.1261091	1.4648892	1.2908465	NEMVEDRAFT XM_001640486.1
DM01149P2	0.02869262	1.1187434	1.0184414	-1.0832402	OSTLU_4538' XM_001417091.1
DM10232P3	0.02871804	1.3715782	1.4628294	1.3786732	
DM13643P2	0.02871866	-1.3235747	-1.1304594	-1.1787843	
DM09000P2	0.02872402	-1.164734	-1.2598053	-1.3340379	LOC1001772' XM_002131598.1
DM10101P4	0.02877761	1.2910448	1.3479022	1.5016142	
DM02493P3	0.02878249	-1.1401807	-1.0442945	-1.286177	LWR XM_623680.2
DM07701P3	0.0287844	1.1602209	1.0333077	-1.0006222	
DM00431P2	0.0287962	1.0308942	-1.0107425	-1.3674974	LOC1000178' XM_001365706.1
DM05778P1	0.02880688	1.2012192	-1.0075822	-1.1991395	
DM01453P3	0.02881254	1.163177	1.0235686	-1.1822605	LOC1001624' XM_001947394.1
DM11187P2	0.02881902	1.2167202	1.3713367	1.1278218	
DM11200P2	0.02886125	-1.1144338	-1.1339555	-1.4218817	
DM00975P3	0.02888166	1.0934669	1.1441388	1.019506	
DM02711P4	0.02888573	-1.2814338	-1.072474	-1.1632546	NEDD8 NM_174764.3
DM01331P2	0.02889521	1.1116446	1.1547978	1.2208332	
DM03587P1	0.02890206	-1.1090575	-1.0308088	-1.3178058	
DM14010P1	0.0289022	-1.0695002	1.069923	1.2653487	
DM04770P3	0.02890313	-1.0289377	1.0309695	-1.1804267	
DM02060P1	0.02890622	1.0571555	-1.0088129	-1.1938726	
DM06021P1	0.02893943	-1.2181581	1.0379018	1.0105085	
DM00835P2	0.02894397	-1.0384237	-1.0634224	-1.4144236	DWIL\GK175' XM_002062442.1
DM12172P1	0.02902196	-1.2277735	-1.2251228	-1.2455114	
DM02553P3	0.02904455	-1.2034136	1.0562602	1.401958	
DM07452P1	0.0290731	-1.019315	-1.0753314	1.698529	
DM11635P1	0.02907744	1.2916206	1.0846354	-1.2282264	
DM10712P2	0.02911316	1.3842044	-1.0468899	1.012501	
DM02421P3	0.02917538	-1.177345	-1.0996082	-1.3636276	LOC1001906' XM_002200394.1
DM09030P1	0.02930929	1.1964619	1.3823465	1.0596119	
DM05927P1	0.02932806	2.1237774	2.07822	2.1778297	
DM07285P1	0.02938073	-1.2859577	-1.3462411	-1.4777465	
DM00189P2	0.02938498	-1.0034997	1.0891219	-1.2054313	DANA\GF116' XM_001960196.1
DM03818P1	0.02941004	-1.1447936	-1.0253191	1.1617384	SLC35E3 NM_001134687.1
DM00974P2	0.0294644	1.1318902	1.2397023	1.2647232	LOC1000800' XM_001510886.1
DM06562P1	0.02946621	1.321165	1.4459277	1.2864548	
DM00694P4	0.02947024	-1.1780415	-1.4061428	-1.283055	LOC1000778' XM_001508945.1
DM02542P4	0.02947836	1.056331	-1.2162858	-1.2879388	LOC660338 XM_966576.2
DM03441P4	0.02947845	1.0056483	-1.0344284	-1.1798329	LOC1000762' XM_001507632.1
DM01130P2	0.02955622	1.4345014	1.6450963	1.5577322	CYP4V2 NM_001092584.1
DM07160P1	0.02957587	-1.104295	-1.0986202	-1.2862102	
DM06740P2	0.02959719	1.0860331	1.049369	1.1197487	
DM11691P1	0.02959921	-1.0508734	-1.1956922	-1.409768	
DM12185P3	0.02962956	-1.0832411	-1.0364445	-1.5530508	
DM02097P3	0.02969982	-1.0356096	-1.10811	-1.2409447	ZGC:123298 NM_001037560.1
DM01282P3	0.02971161	1.1793951	-1.3092593	-1.1301141	
DM09290P3	0.0297344	1.0233448	1.3563069	1.4783998	
DM08386P1	0.02974537	1.0543911	-1.2765523	-1.2924439	



DM13531P1	0.02979738	-1.1743973	-1.200735	-1.2577055		
DM14995P1	0.02981003	-1.0691496	1.0960758	1.0748684		
DM14905P1	0.02981928	-1.0669013	-1.6164243	2.1331844		
DM00516P1	0.02982091	1.0811532	-1.1192116	-1.2656003	HDAC6	NM_001169289.1
DM00931P3	0.02987161	1.7358075	1.4580013	-1.6260928	DPSE\GA219	XM_001357620.2
DM11422P1	0.02994847	1.0967363	1.0089588	-1.1427699		
DM08437P2	0.03007316	1.0396953	-1.1433297	-1.3642715		
DM03468P3	0.03009867	1.0811683	-1.0421028	-1.2208686	LOC658753	XM_965115.1
DM02556P3	0.03015743	-1.0613846	-1.2094567	-1.4776404	DVIR\GJ2188	XM_002049942.1
DM12061P4	0.03022749	-1.0771217	-1.1618148	-1.2523516		
DM14697P3	0.0302433	1.168155	1.3408333	1.1707705		
DM08337P1	0.03027359	-1.1844652	-1.0481256	-1.2402865		
DM04623P1	0.03028329	1.0332854	1.039519	-1.3099405		
DM05121P1	0.03028523	1.0376476	-1.0547993	1.4051034		
DM11655P1	0.03031738	-1.125884	1.0332445	-1.0752925		
DM12427P4	0.03032271	-1.2160866	-1.5760385	-1.6007357		
DM09335P1	0.03034244	-1.3464805	1.1592906	-1.1815435		
DM08734P2	0.03035105	-1.2190442	-1.0006536	1.1411693		
DM09222P1	0.03035483	1.2535847	-1.2457402	1.5919255		
DM00293P1	0.03040427	1.1297137	1.0436594	-1.0766907	BRAFLDRAFT	XM_002608605.1
DM04114P3	0.03041298	1.1291156	-1.0219045	-1.3716427		
DM01588P1	0.03052541	-1.0385278	-1.1257348	-1.1888222	PSMD14	NM_021526.2
DM05721P3	0.03053926	1.0084006	-1.134169	1.2898958		
DM06610P1	0.03054206	1.4207207	1.6238135	1.3551433		
DM01615P1	0.03057467	1.0469674	1.1930197	1.5458859	MHC	XM_002090481.1
DM08771P2	0.0306014	-1.1076845	-1.1544534	1.0574319	ZGC:163069	NM_001089565.1
DM05574P1	0.03063505	-1.1636666	-1.835361	-1.0626452		
DM07819P2	0.03065427	-1.154754	1.0855137	-1.2096179	CG12480	NM_132709.1
DM07757P1	0.03067711	1.0590657	1.1837692	1.2387443		
DM07362P4	0.03068491	1.2371718	1.4463143	1.2206895		
DM01323P3	0.03070165	-1.1297599	-1.0530668	-1.2420061	LOC1001907	XM_002190098.1
DM09450P3	0.03075293	1.5470791	1.2832031	1.2217548		
DM02174P3	0.03079482	-1.1462489	-1.1389062	-1.209222	LYPLA1	NM_001005699.1
DM02793P1	0.03081601	-1.001175	-1.3153197	-1.162528	LOC409755	XM_393249.3
DM00309P3	0.03082623	1.3321539	1.159089	1.2747104	ACS2	XM_001700178.1
DM13032P2	0.03084045	1.0177035	1.1452591	1.3911769		
DM07989P1	0.03086232	-1.1789131	1.0515131	1.3430531		
DM13805P4	0.0308807	1.8362768	1.5079273	1.610858		
DM03211P1	0.03088863	1.2616662	1.19403	1.0296621		
DM03122P2	0.03096131	1.0709127	1.248032	-1.0947325	DGRI\GH106	XM_001988219.1
DM04870P2	0.03096157	1.1618328	-1.2074454	-1.1522226	DGRI\GH244	XM_001992040.1
DM06301P4	0.03099487	1.2414545	1.0519664	-1.3361394		
DM00708P4	0.03099879	-1.0573024	-1.0249083	-1.234312	LOC1002261	XM_002191632.1
DM06661P1	0.03099928	-1.267035	1.0868531	1.104472		
DM03527P1	0.0310106	-1.0016704	1.1288596	-1.1797105		
DM04892P2	0.03108056	-1.145226	-1.0059688	-1.7230493		
DM03570P3	0.03111262	-1.1072835	-1.1069947	-1.2428559	ARCN1	NM_201459.1
DM12915P1	0.0311251	-1.069435	1.0588619	1.4051098		
DM03621P3	0.03112629	-1.1642088	-1.0965555	-1.0134413	DMOJ\GI242	XM_001998866.1
DM05385P2	0.03112673	-1.0509341	1.0195639	-1.5199983		

DM10584P1	0.03113676	-1.0747713	1.1159388	-1.0057397	
DM14959P2	0.03115599	1.3156613	1.31922	1.3351517	
DM13250P2	0.03118161	1.1192384	1.0584763	-1.5492421	
DM05172P4	0.03121119	2.2664545	2.4961357	1.1880014	
DM10776P1	0.0312301	1.0345767	-1.3869622	-1.3427466	
DM01036P1	0.03125984	1.2913039	1.0243533	-1.0557413	5033411D12INM_138654.3
DM09890P3	0.03127132	1.1014279	-1.1275622	-1.1852058	
DM00517P4	0.03129724	-1.0096451	1.0908668	-1.3531221	LOC1002071'XM_002165178.1
DM03127P1	0.03132122	1.3912807	1.5969994	1.2193255	
DM01879P2	0.03141177	-1.0887109	1.0450486	1.3358777	
DM06463P1	0.03142782	1.3631489	2.0988681	1.490755	
DM02524P3	0.03146908	-1.0225276	1.0634278	-1.228088	LOC612762 XM_850950.1
DM13537P2	0.03148697	-1.1526135	-1.190358	1.1734992	
DM02330P1	0.03148869	-1.0401462	1.0049417	-1.3127723	DMOJ\GI219(XM_002003541.1
DM04043P3	0.03151088	1.0306587	-1.0509657	-1.2228686	LOC577217 XM_001176424.1
DM13018P3	0.03151375	-1.2162094	-1.1823536	1.0494428	
DM07201P1	0.03151665	1.1506474	1.0220163	-1.5599217	
DM03434P3	0.03152638	1.1948063	1.2241957	1.0741329	LOC590798 XM_001193300.1
DM01877P1	0.03152978	-1.101931	-1.2249954	1.1376756	DWIL\GK179'XM_002068738.1
DM06420P1	0.03154583	1.9973526	2.5144045	2.3294399	
DM01524P3	0.03155522	-1.1424078	-1.2416632	-1.0936301	ATP6VOB NM_199561.1
DM13133P2	0.03159741	-1.072194	1.2301565	1.3809166	
DM07058P1	0.0318478	1.3447286	-1.8154095	1.3902333	
DM08274P3	0.03187801	1.1645656	1.0026759	1.8244116	
DM11160P4	0.03188442	-1.1445075	1.099312	-1.2622329	
DM04131P4	0.03193969	1.385838	1.4456122	1.5002313	
DM12067P3	0.03194245	1.4719076	1.5093652	-1.6254077	
DM04105P4	0.03197686	1.1811489	1.3200499	-1.0450375	
DM04466P2	0.03199124	-1.0284201	-1.0105281	1.3228967	LOC727647 XM_001123354.1
DM02215P1	0.03199842	-1.0086927	1.0179085	-1.3345777	GPN1 NM_007266.3
DM01788P1	0.03200834	-1.0825024	-1.2130449	-1.344586	LOC408412 XM_391959.3
DM11435P1	0.03200856	1.4105518	2.3880143	1.3282758	
DM02353P1	0.03204564	-1.8606081	-1.5415217	-2.0224693	LOC1001231'XM_001606729.1
DM09658P2	0.03206289	1.2165287	1.4075122	1.0545845	
DM03603P3	0.03206316	1.272745	1.3548398	1.1036458	
DM02693P3	0.03208238	-1.0073094	-1.1578655	-1.2588962	DWIL\GK162'XM_002067310.1
DM12436P1	0.03213395	1.2283969	-1.2548047	1.2696748	
DM11823P1	0.03213909	-1.027867	1.1003776	1.3231266	
DM02173P1	0.0322423	-1.0839312	-1.3587996	1.027987	
DM03417P4	0.03226015	1.0945611	1.0293474	-1.5052489	
DM01575P4	0.03226379	-1.001898	-1.0592211	-1.2622122	PPP2R1A NM_204074.1
DM10049P3	0.03227253	-1.0705845	-1.1032151	-1.4805546	
DM11906P1	0.03230343	1.3423686	1.4371135	1.3288878	
DM05033P3	0.03230839	-1.0554621	1.019534	1.1407892	
DM10830P2	0.03231397	1.1144494	-1.0186088	-1.191633	
DM03336P2	0.03248117	1.2522836	-1.8524406	1.5118545	LOC1001609'XM_001944483.1
DM06397P2	0.03251469	1.1974281	1.0652524	1.6370366	
DM09945P1	0.03251688	1.0124508	-1.0305387	-1.2758977	
DM08141P2	0.03253137	-1.0323423	1.1028721	1.5441248	
DM12206P4	0.0325575	-1.0872768	-1.3004557	-1.3416384	

DM07319P2	0.03257345	-1.375128	-1.1739323	-2.1190588		
DM05125P3	0.03258704	1.00034	-1.1734736	-1.2288303	NDUFA9	XM_001659951.1
DM12554P2	0.03259578	1.0816696	1.1925906	1.1329589		
DM09638P4	0.0327293	-1.0564536	1.0968612	1.307674		
DM00856P3	0.03275319	1.0129282	-1.0161483	-1.3489537		
DM00742P1	0.03275712	-1.1559827	1.1045682	-1.3737875	SNRPA1	NM_001094394.1
DM07642P3	0.03277246	1.2587901	1.1845037	1.5640024		
DM08419P1	0.03277608	-1.0012662	-1.0757909	-1.4593079	DWIL\GK168	XM_002062121.1
DM06098P1	0.03278784	-1.5286118	-1.4899361	-1.2491368		
DM11777P1	0.03279563	1.0750728	1.150148	-1.1855857		
DM07326P2	0.03285926	1.0934569	-1.1125587	1.1535761		
DM03160P1	0.03287849	1.0291661	-1.089576	-1.1345619	DWIL\GK129	XM_002073854.1
DM11060P3	0.0328942	1.0550767	-1.0795666	-1.1765331		
DM02189P2	0.0329008	-1.1509252	-1.0194688	1.0392492	BRAFLDRAFT	XM_002594778.1
DM01612P4	0.0329195	-1.0373327	-1.0887077	-1.2878674	DANA\GF135	XM_001960765.1
DM01701P2	0.03292333	-1.0550787	1.1422844	1.3358318	AAEL_AAEL0C	XM_001658997.1
DM03664P4	0.03292845	-1.0459665	-1.4524593	1.0260487	ADAMTS13	XM_610784.2
DM02231P1	0.03294647	1.0461371	-1.1004207	1.2758224	AGAP_AGAP0	XM_316909.4
DM11680P3	0.03296519	1.1309105	1.3203195	1.0591738		
DM01640P2	0.03296701	1.0196662	1.2030946	1.2904439	TRIADDRAFT	XM_002107679.1
DM08876P2	0.03304853	1.4609896	2.0130916	1.6681125		
DM01796P2	0.03320245	1.0752791	1.1918113	1.3215815	RHO	XM_001651947.1
DM09679P2	0.03326333	-1.0312189	-1.1095239	1.1093313		
DM14954P1	0.03328388	1.1905752	1.06776	-1.3527658		
DM09367P2	0.03339741	-1.0378277	1.2282809	-1.0579468	DERE\GG229	XM_001979587.1
DM02405P1	0.03342629	-1.1357874	-1.2308915	1.2251943		
DM05184P1	0.03347529	1.4221853	1.3823496	1.4780734		
DM09362P2	0.03353634	-1.0658619	1.0704646	1.2698702		
DM00162P3	0.03355065	1.0482264	-1.061337	-1.2068385	DANA\GF225	XM_001965553.1
DM09914P3	0.03361285	-1.2823169	-1.3177581	-1.2089202	SECC22	XM_001656246.1
DM01079P2	0.03364968	1.0440842	-1.0772864	-1.3632423	LOC552324	XM_624699.2
DM06838P1	0.03371379	1.8318998	2.6788542	2.437297		
DM11891P1	0.03377919	-1.2728347	-1.0016001	-1.180352		
DM04053P2	0.03378196	-1.0623317	-1.2392086	-1.2171522		
DM04192P1	0.03380238	1.1076835	-1.202131	-1.0021497	LOC1001673	XM_001946095.1
DM05136P3	0.03382835	-1.593338	-1.4936401	-1.5707303		
DM12512P3	0.03385118	-1.1436322	1.0203412	-2.0310946		
DM04484P3	0.03390198	1.091415	-1.2808437	1.290617		
DM05771P2	0.03394808	-1.1531794	-1.0683731	-1.2088945		
DM01259P3	0.03399788	1.28286	1.307269	1.1448045	LOC1001757	XM_002128334.1
DM02344P1	0.03402357	1.2535516	1.368922	-1.2837774	CPIPJ_CPIJ01	XM_001869281.1
DM05479P1	0.03405398	1.0511093	1.0580891	-1.2437547		
DM03683P1	0.03409534	-1.0290395	-1.0820265	-1.2887424	PROS54	XM_393112.3
DM06853P2	0.03410621	1.266027	1.1231887	1.4184923		
DM11965P1	0.03410947	1.2251424	1.1850891	-1.0711854		
DM14913P4	0.03417159	-1.4239808	-1.3773968	1.1757046		
DM03493P2	0.03417523	1.0924586	1.0870348	1.2681295	AAEL_AAEL01	XM_001661979.1
DM00720P3	0.03419075	1.0328587	1.0534886	-1.1930692	DMOJ\GI221	XM_002001067.1
DM05815P3	0.0341946	1.6467111	1.8281275	1.7768744		
DM06516P3	0.03421071	1.1176827	-1.0307102	-1.3616973		

DM11102P2	0.03421287	-1.0938107	-1.0371606	-1.2994268		
DM01386P1	0.03423646	-1.0595038	-1.0170268	-1.1606996	PPM1H	NM_001140246.1
DM14137P3	0.03423846	-1.1486106	-1.4510347	-1.7603062		
DM08442P1	0.03426546	1.0343815	1.5872244	-1.3762116		
DM01740P1	0.03428386	1.0131617	-1.0284961	-1.2207526	CTSC	NM_001033617.1
DM03568P2	0.0342951	1.6745255	-1.2644739	-1.7368417	DWIL\GK221	XM_002066036.1
DM14301P3	0.03431439	1.2644025	1.4433084	1.3184934		
DM08108P3	0.0343967	3.3194313	6.1581054	2.0832717	DWIL\GK162	XM_002067212.1
DM14829P3	0.0343997	1.1037945	1.1643051	1.3175192		
DM00857P1	0.03447203	-1.5362263	-1.5976378	-1.796717		
DM12443P1	0.03448365	-1.2509935	-1.2187561	1.0380352		
DM06065P2	0.03450939	1.1603416	1.1915312	1.1085607	LOC1000754	XM_001506879.1
DM05298P2	0.03453574	-1.0872402	-1.061121	1.1756909		
DM10885P3	0.03455396	-1.3928165	-1.1945103	-1.5600876		
DM01455P3	0.03457141	1.0289638	1.1073779	-1.3061353	LOC1000265	XM_001377097.1
DM15092P2	0.03457198	1.5711722	1.7996299	1.5142525		
DM03862P1	0.0346128	1.1373043	-1.0299054	-1.2857535	LOC1002014	XM_002157761.1
DM10958P1	0.03473152	1.0520169	-1.0261062	-1.1293582		
DM10271P3	0.03476426	3.0702367	6.0575337	-1.0739057		
DM01498P1	0.03478601	-1.8898251	-2.0754085	-1.071132		
DM02516P3	0.03479752	-1.2098306	-1.4795076	-1.3926722	TRAM	XM_001663502.1
DM10745P3	0.03481246	-1.1314609	1.0507413	-1.6062799		
DM03451P2	0.03486239	-1.0760475	1.0624552	-1.1788386	LOC1001863	XM_002131086.1
DM05138P3	0.03486307	1.1623582	1.1352643	1.0777644		
DM04409P3	0.03486753	1.1431528	1.0471578	-1.1530027		
DM09509P4	0.03488965	-1.0311227	-1.0101718	-1.2075394		
DM10643P2	0.03492301	1.109883	-1.2570332	-1.3348778		
DM01590P4	0.03495399	1.0041231	-1.1335909	-1.2276006	LOC1001170	XM_001599789.1
DM04858P2	0.0350089	-1.1017084	1.2718039	-1.1816759		
DM11337P3	0.03502139	1.0717317	1.0978854	-1.2059703		
DM12592P3	0.03502458	-1.123639	-1.3046101	-1.5210562		
DM15169P2	0.03504846	-1.1066157	-1.267384	-1.3797857		
DM02507P3	0.03505905	-1.2738914	-1.0748789	1.4885126	DWIL\GK170	XM_002061732.1
DM03361P1	0.03509669	-1.0573095	-1.0216801	-1.2625995	THOC4	NM_001162183.1
DM06990P1	0.03511822	2.4782593	3.704063	5.01887		
DM10695P1	0.03511835	1.0024265	1.0796974	1.2166786		
DM08641P2	0.03518355	1.1322867	1.2208918	1.3788948		
DM08710P1	0.03520441	1.0460895	1.0359429	1.7788424		
DM07638P3	0.03520491	-2.0162013	-1.483049	-2.9835012		
DM05630P1	0.03521562	1.1898757	1.1254202	-1.176373		
DM11729P3	0.03530892	-1.001582	-1.0045625	-1.2315519		
DM01774P1	0.03532026	-1.1787865	1.2043628	-1.2008545		
DM03711P3	0.03533742	1.0068944	-1.0320364	-1.2363559		
DM03029P4	0.0353826	-2.354747	-1.8247856	-4.067462		
DM10733P4	0.03538437	-1.012145	1.2321608	-1.136319		
DM07072P2	0.03539234	1.4420475	1.2906367	1.2157174	CIMG_08288	XM_001241124.1
DM15279P1	0.03540412	1.0135069	1.058442	1.3375543		
DM00871P2	0.03541947	-1.0357976	-1.0938174	-1.2374448	FDH	XM_393266.2
DM03994P1	0.03544778	1.1270005	-1.0061107	-1.3547539		
DM00190P2	0.03547768	1.2578088	-1.1670371	-1.0578858	FBN2B	NM_001135790.1

DM07375P1	0.0355037	-1.0646921	-1.1438575	-1.1236318		
DM11980P2	0.03550502	-1.2182074	-1.105413	-1.2137594		
DM05170P1	0.03554269	1.0848578	1.129641	1.270503		
DM15271P2	0.03555173	-1.2131562	-1.1010989	-1.1601568		
DM15015P2	0.03558963	-1.2104688	1.0055407	-1.0334499		
DM10677P1	0.03563311	-1.1857582	-1.0296926	-1.1563481		
DM00289P1	0.03568845	1.3178946	1.4538312	1.3275206	LOC658754	XM_965116.2
DM09905P2	0.03571146	-1.0945783	1.2182065	1.4212476		
DM02364P1	0.035754	1.1926901	-1.0615056	-1.2028008	LOC760262	XM_001187593.1
DM12584P1	0.03581544	-1.1721963	-1.1577969	-1.2702287		
DM00728P1	0.03588571	1.0453771	1.0644035	-1.1372671	RHBDD1	XM_001865677.1
DM09904P4	0.03603455	1.1022184	-1.0237614	1.1802876		
DM04348P3	0.03605359	1.0645683	1.039226	-1.1861476	LOC551451	XM_623843.2
DM02597P3	0.03608923	-1.1021312	-1.500463	1.1283089		
DM14141P1	0.03610631	1.0099175	-1.0918728	1.3135344		
DM03088P3	0.03613777	1.2246977	1.2112992	-1.0224566	DGRI\GH200	XM_001987316.1
DM00911P1	0.03615691	-1.0253655	-1.0361071	-1.419933	DMOJ\GI219	XM_002003541.1
DM09503P1	0.03619466	1.0262697	1.1184877	-1.2947701		
DM05015P4	0.0361998	-1.1014589	1.0781778	-1.1978626	PRKRIP1	NM_001161897.1
DM04854P3	0.03628936	1.0100915	1.2094228	1.1240146		
DM01230P1	0.03634863	1.1854167	1.4418186	1.4373344		
DM09265P2	0.03641385	1.04928	-1.7241898	-1.1050196		
DM11205P4	0.03645669	1.0280474	1.2358599	-1.2406559	DPH2	XM_001650846.1
DM11840P3	0.03648004	1.0579771	-1.0512203	-1.1480427		
DM07113P4	0.03648229	1.0985665	1.0226964	1.2300054		
DM04300P2	0.03648844	-1.2585446	-1.2288419	-1.3040165		
DM05030P3	0.03649491	-1.0799338	-1.1512592	-1.167809		
DM01137P3	0.03654448	1.0672781	1.1817874	1.1461394	DSIM\GD198	XM_002102333.1
DM03194P4	0.03659941	-1.0059793	1.0095775	-1.1279056		
DM08933P1	0.03659987	-1.0913604	-1.2035853	-1.0918791		
DM05507P1	0.03661981	1.1899012	1.2213874	1.2111129	DGRI\GH211	XM_001985933.1
DM10272P3	0.03662017	1.3224374	1.2923657	1.4213781		
DM13989P1	0.03662115	1.1200005	1.2799541	1.6249716	AAEL_AAEL0C	XM_001653715.1
DM04000P3	0.03663506	1.0429564	1.1094847	-1.1762427		
DM09902P3	0.03664708	-1.1419164	1.1714898	1.0559022		
DM10131P3	0.03667051	1.1945753	1.101515	-1.1676497		
DM15022P3	0.03669116	-1.1257482	-1.0018145	1.1422004		
DM05646P1	0.03672123	-1.0151165	-1.0292552	1.0736384	ISCW_ISCWC	XM_002414813.1
DM08823P2	0.03674529	1.044835	1.1096644	-1.1698812		
DM05297P2	0.03679466	1.1611092	-1.4025325	-1.0286828		
DM12520P1	0.03681038	1.0022588	-1.0429869	-1.2582053		
DM14488P1	0.03685675	-1.2449776	1.078896	-1.5532905		
DM08715P1	0.03692449	-1.2842481	-1.4660845	1.1367198		
DM05110P1	0.03699996	-1.2192745	-1.148061	-1.5948073		
DM08717P2	0.03705439	-1.0285109	1.0984365	1.3962231		
DM14272P1	0.03707259	1.7406068	1.8838996	-1.0515485	YALIOB19382	XM_501096.1
DM07253P2	0.03712048	-1.078743	-1.0032316	-1.2249743		
DM05782P3	0.03716631	1.5027289	1.425375	1.3637879		
DM04724P1	0.03717867	1.0333673	-1.0920528	-1.4675627		
DM05516P1	0.03725019	1.0723213	-1.0784451	1.9303002		

DM08243P1	0.03729298	1.2272965	1.2256696	1.5249678		
DM06621P4	0.03734398	-1.138691	-1.261649	-1.4597744		
DM10412P2	0.03734752	1.1136776	1.21062	1.0414286		
DM10459P3	0.03736275	-1.6918049	-1.0439928	-1.2797985		
DM05488P1	0.03737442	-1.0850271	1.0179206	-1.3014691		
DM00991P1	0.03738163	-1.3430843	-1.2100728	1.1631856	LOC656585	XM_963106.1
DM02683P2	0.0373823	1.1403531	1.1406817	-1.0860825	LOC409299	XM_392818.3
DM13829P1	0.03738838	-1.2895364	-1.0745426	-1.1150537		
DM01644P4	0.03740716	-1.2156662	-1.3380642	1.0223268	AAEL_AAEL0C	XM_001652809.1
DM04148P2	0.03743518	1.1017654	1.1211762	-1.1913967	CPIPJ_CPIJOC	XM_001846926.1
DM06238P1	0.03744772	-1.1618164	-1.051347	-1.6342117		
DM05629P1	0.03745794	-1.1620461	-1.0013883	1.3541957		
DM02795P2	0.03745839	1.0045851	-1.0055515	-1.32957	MEMO1	NM_001004925.1
DM11537P1	0.03747689	-1.3137072	1.0560861	-1.6972084		
DM05780P1	0.03748432	-1.0853301	-1.0274767	-1.305809		
DM12622P1	0.03749003	1.08254	1.1784569	1.2327133		
DM12341P1	0.03753841	3.6904416	4.814336	1.5844015		
DM09624P3	0.03753935	1.1100163	1.282953	1.2918969		
DM01522P4	0.03754124	-1.0454532	-1.0133111	-1.1714576	LOC1000785	XM_001509554.1
DM08958P1	0.03755837	1.1640528	1.3679696	1.4151133		
DM07430P1	0.03758083	-1.4634349	1.1880056	-3.9070768		
DM10980P3	0.03761059	1.1112235	1.0751642	-1.3805492		
DM09295P2	0.03768209	1.1321825	-1.1079928	-1.1812702		
DM09099P3	0.0377309	1.1961502	-1.3392386	-1.0309103		
DM05417P2	0.03775309	1.3843291	1.1222574	1.23762		
DM03615P3	0.037759	1.1540296	-1.0690296	-1.2515178	LOC1001643	XM_001952310.1
DM08847P2	0.03776301	-1.1090587	1.1124235	-1.4068373		
DM03726P1	0.03780418	1.0635954	1.0247103	-1.4089129		
DM03735P1	0.03790471	-1.0969521	-1.2663916	-1.0720383	COPB1	XM_001504942.1
DM07210P4	0.03790717	-1.0004529	-1.2789544	1.3778505		
DM04314P1	0.03790815	1.0330161	1.2204212	-1.1165272	DSEC\GM138	XM_002035440.1
DM11993P3	0.03793329	-1.0588679	1.001	-1.2238052		
DM01860P4	0.03796681	1.1943092	1.1896056	-1.6760583	ISCW_ISCWC	XM_002406272.1
DM10315P2	0.0379896	1.4964594	1.9211638	1.3727885		
DM11104P2	0.03799274	1.4703162	1.2581435	1.1016178		
DM03533P1	0.03799675	-1.106747	-1.0383561	-1.2769071		
DM00827P2	0.03800241	-1.101143	-1.3446499	-1.3476366	KDELR2	XM_856379.1
DM06678P3	0.03800435	-1.1947241	1.353888	1.1672106		
DM11651P1	0.03800695	-1.0916313	1.0835974	-1.8055168		
DM03995P2	0.03807968	1.0934341	-1.0953319	-1.0803931	SI:DKEY-204	NM_001044952.1
DM00824P2	0.03810639	-1.0573823	-1.3772056	1.0593832	ACLY	XM_856258.1
DM10871P1	0.03810772	1.1268094	1.1390196	1.082872	TVAG_09003	XM_001314393.1
DM04441P1	0.03811671	1.2223073	1.2563937	-1.1141722		
DM04523P3	0.03815105	1.1226962	-1.3695755	1.2070681	DSEC\GM160	XM_002040087.1
DM08071P1	0.03815986	-1.1473769	1.2063409	1.495448		
DM11376P3	0.03816062	1.1452765	1.0602461	-1.2676606		
DM14786P1	0.03816216	-1.2523534	-1.0349206	1.2291738		
DM08078P1	0.03817328	-1.017611	1.1228579	1.007893		
DM03579P1	0.03820245	1.4114938	1.2551672	1.2257893		
DM11178P2	0.03823426	-1.1063753	-1.010689	-1.3590826		

DM10025P2	0.03827534	-1.0969172	1.0933307	1.5199378		
DM02667P2	0.038312	1.2465101	1.1050415	1.0948467		
DM11766P2	0.03831754	-1.100205	-1.0463438	-1.3359556	LOC1000582	XM_001917933.1
DM00240P2	0.03834935	1.1298549	1.0823408	1.3082529	DPER\GL1534	XM_002020546.1
DM10675P2	0.03835678	-1.0689086	1.0592675	-1.2239063		
DM00971P1	0.03835788	-1.0068011	1.0494908	-1.2725427		
DM06649P1	0.03845625	-1.0212603	-1.037286	1.3192039		
DM04277P1	0.03850029	1.015581	1.245526	1.3147905		
DM08590P3	0.03852641	-1.3330815	-1.0824664	1.0004703		
DM09594P2	0.03855373	-1.107848	1.0424612	1.0963066		
DM12735P3	0.03857781	1.5586454	1.9651573	1.5930957		
DM01974P2	0.0385938	-1.0027992	1.1033071	-1.2325766	EIF4A3	NM_001113877.1
DM02320P3	0.03860382	-1.2089076	1.0972558	1.036623	NIP7	NM_001093060.1
DM04386P2	0.03861829	1.1680952	1.083519	-1.1074442		
DM00084P3	0.03865068	-1.1888089	-1.7365948	1.946541	TTHERM_005	XM_001022424.2
DM02223P1	0.03870176	-1.1668681	-1.0108936	1.2574954	AGAP_AGAP0	XM_316741.4
DM10982P3	0.03871355	1.0053166	1.3206133	1.0715786		
DM10182P1	0.03878635	-1.1107872	1.0554115	1.3131887		
DM12089P2	0.03883619	1.1708447	-1.0712943	1.2162651		
DM14469P2	0.03887988	1.0134879	-1.5150378	-1.4945669		
DM00886P1	0.03889094	1.2549782	-1.0151939	1.5644504	DPSE\GA270	XM_002137046.1
DM03681P3	0.03893657	-1.1376754	1.0335945	-1.3759		
DM12503P2	0.0389447	-1.1056004	-1.1173702	-1.3095162		
DM12722P1	0.03897451	1.3339636	1.6407663	1.259503		
DM07792P1	0.03901425	-1.1365366	1.080069	1.2669703		
DM10967P1	0.03902899	-1.0126942	-1.1721799	-1.0635879		
DM07303P2	0.03902953	1.2414738	1.3754011	1.6226777		
DM07283P4	0.03909112	-1.1045622	-1.02876	-1.2563123		
DM01135P1	0.03909588	-1.1943877	-1.0816358	-1.263451	LOC1001630	XM_001946462.1
DM14675P1	0.03912809	-1.0457277	-1.1912291	1.1794844		
DM03445P2	0.03914364	-1.2086934	1.0154241	-1.4673606	EFTUD2	XM_001145387.1
DM02700P2	0.03916984	-1.0877341	1.045719	-1.184098	BRAFLDRAFT	XM_002593584.1
DM04579P3	0.03917901	2.3532062	5.249328	1.1221248		
DM04240P1	0.03922487	-1.2056502	1.1157315	1.2020209	BRAFLDRAFT	XM_002611891.1
DM11756P2	0.03926097	-1.0842297	-1.0475537	-1.2332143		
DM05813P4	0.03926843	-1.216178	-1.2776111	1.1259334	DPSE\GA102	XM_001352745.2
DM07193P2	0.03928622	-1.1199002	-1.3725263	-1.1872592		
DM00149P2	0.0392934	-1.2665747	-1.0658518	-1.3736165	PHF5A	XM_001896429.1
DM11884P1	0.03930266	-1.1342524	-1.0517697	1.1209065		
DM09733P2	0.03931163	1.2623993	1.2916867	1.3035932		
DM02217P2	0.0393577	-1.1348135	-1.0052516	-1.2699648	LOC411936	XM_395405.1
DM08719P1	0.03940868	1.0467349	1.219946	1.0330166		
DM02414P3	0.03947841	1.142792	1.1596011	1.1692414	CPIPJ_CPIJOC	XM_001847340.1
DM01953P1	0.03948669	-1.4267856	-1.531639	-1.5287867	DWIL\GK159	XM_002063921.1
DM07078P1	0.03949747	-1.2414857	1.0959455	1.245626		
DM06389P1	0.03963829	-1.2489585	-1.0381356	-1.2862171		
DM00542P1	0.03971002	-1.0860696	-1.2542595	-1.2127672	COPA	XM_536131.2
DM03301P1	0.03972267	-1.085128	-1.0128719	-1.1526914	DVIR\GJ2412	XM_002051945.1
DM03100P2	0.03974282	1.018986	-1.1609492	-1.2035991		
DM05214P1	0.03978384	-1.1094484	-1.2654054	-1.4644701	LMN	XM_001851435.1

DM06378P1	0.03985252	-1.3712256	-1.1492661	1.0866098		
DM13997P3	0.03990745	-1.099871	-1.1737725	1.1298578		
DM09090P1	0.03991546	1.1591314	1.1919001	1.3560681		
DM00351P1	0.03995756	1.0231975	1.0775567	1.1403202	LOC1000311	XM_001380432.1
DM06703P2	0.03995765	1.0200018	1.0553558	1.4221768		
DM03676P2	0.0400245	1.0594463	-1.1510712	-1.3062865	FARSA-B	NM_001087382.1
DM07723P4	0.04003766	-1.2291584	1.5960613	1.6833184		
DM11447P2	0.04004756	1.0135293	-1.0265216	-1.2294172		
DM04842P2	0.04004938	1.0169668	-1.0936497	-1.2117646		
DM12363P3	0.04006093	1.6503851	2.0152612	1.5629648	AT5G09345	NR_023116.1
DM01441P2	0.04008304	1.0986476	1.038482	-1.1251892		
DM01285P1	0.04008509	-1.2887288	-1.2445803	-1.0333384	DMOJ\GI243	XM_001999043.1
DM01356P1	0.04011672	1.0397569	-1.3614209	-1.0420562	VINC	XR_014976.1
DM07897P2	0.04014743	-1.1977729	1.0064946	1.2148162		
DM02745P1	0.0401868	1.141668	1.0199689	-1.3185259	PAPSS1	NM_011863.2
DM00548P1	0.04021096	-1.0121685	-1.1667472	-1.1447855	LOC1001657	XM_001950078.1
DM03192P2	0.04021385	-1.0482612	1.0796912	-1.2596257	POPTRDRAFT	XM_002316601.1
DM03467P3	0.04023164	-1.1186287	-1.2494155	-1.402332	AGAP_AGAP0	XM_318146.4
DM02638P1	0.04023794	1.0032696	1.0539668	1.3001989	DWIL\GK205	XM_002068474.1
DM13057P2	0.04025224	-1.1569935	1.0113269	1.156354		
DM01791P2	0.04026914	-1.0157531	-1.0556948	-1.1279721	UBQ-1	NM_171139.3
DM12632P1	0.04027791	-1.1333126	-1.2183954	-1.3982767		
DM07387P1	0.04029747	1.3211874	1.1329277	-1.0614234		
DM13879P3	0.04030902	-1.1713221	1.020489	-1.8858123		
DM01405P1	0.04030919	-1.065287	1.0216495	-1.2373749	LOC1001622	XM_001949423.1
DM02661P3	0.04032499	1.0552485	-1.0907233	-1.230265	PPP1CB	XM_515373.2
DM14653P1	0.04035639	-1.1147969	1.0088842	1.2300776		
DM08248P1	0.04038085	1.1451514	-1.0048773	1.4579595		
DM01246P4	0.04040237	1.224595	1.1386641	1.0803715		
DM10884P2	0.04045753	-1.1464851	1.169181	-1.3465017		
DM01741P3	0.04047119	1.276615	-1.1984224	-1.4101442	GLYP	NM_001032048.1
DM14079P3	0.04047923	-1.11681	1.0125767	1.1576346		
DM15185P1	0.04048482	1.314367	1.1610945	1.0160874		
DM10198P2	0.04048884	-1.2293218	1.0089519	-1.2527257		
DM00332P2	0.0405446	1.0893518	1.0944998	-1.2080339	LOC1002217	XM_002196581.1
DM05716P1	0.04056592	-1.1419895	-1.3513303	1.3530174	LOC1000911	XM_001520036.1
DM06802P2	0.04056607	-1.0592338	1.0551383	-1.9444306		
DM15105P3	0.04056726	-1.1201895	-1.0539863	1.1333493		
DM13590P2	0.04057923	-1.5301468	1.2400849	1.5172303		
DM01001P4	0.04060762	-1.1463203	-1.2117428	-1.4095753	DANA\GF207	XM_001964287.1
DM14009P1	0.04061504	1.1067461	1.1558985	-1.0423837		
DM05306P1	0.04065506	1.0738217	1.8500376	1.5583516		
DM06837P1	0.04067225	-1.124897	-1.0820616	1.1852229	LOC663893	XM_971144.2
DM06149P3	0.04071172	-1.0755138	-1.1030806	-1.3651345	DER-1	XM_001901009.1
DM14065P1	0.04072447	-1.4985918	-1.6562878	-1.4933275		
DM13612P1	0.04082459	-1.0278312	-1.4440949	-1.1582651	BRAFLDRAFT	XM_002595567.1
DM12665P2	0.04082739	-1.0444219	1.122402	1.24623		
DM02447P1	0.0408385	-1.0990382	1.0260954	1.1766034	LOC1000711	XM_001494208.2
DM02389P1	0.04086491	1.0996503	1.1700609	1.2780483	LOC692984	NM_001046821.1
DM12062P3	0.04086532	1.2538131	1.2547864	1.3558482		



DM14513P2	0.0409969	-1.0125684	1.0257056	1.2928791		
DM09227P3	0.04099809	1.0455945	1.2314652	1.1027035		
DM02533P1	0.04103374	1.2135699	1.1806077	1.6327537	MHC	NM_001169521.1
DM02380P3	0.04107016	1.1530149	-1.0011394	-1.2905501	LOC661810	XM_967949.2
DM01485P2	0.04108518	-1.1287642	-1.1394858	1.0433162		
DM04549P4	0.04112664	-1.0480889	1.1545843	1.3448117	TGME49_009	XM_002369661.1
DM05770P1	0.0411688	-1.1631279	-1.1684238	1.0843205		
DM05933P2	0.04119415	-1.0056583	1.0478021	-1.213322	LOC1000323	XM_001381368.1
DM02767P1	0.04127627	-1.1599404	-1.1578432	-1.4155275	PSMD1	NM_001092985.1
DM12008P4	0.04135967	1.1455429	1.0620496	-1.071144	LOC1002212	XM_002192179.1
DM04946P2	0.04136494	1.0623679	-1.3159128	-1.0406295		
DM04443P2	0.04137858	-1.2108793	-1.2883155	1.1032896	LOC657826	XM_964261.2
DM09885P3	0.04143465	1.1967406	1.072305	-1.5738869		
DM05636P3	0.0414646	-1.2183088	-1.1472371	1.2887924		
DM10818P2	0.04148328	1.0944998	1.0733234	1.4187673		
DM14172P3	0.04150273	-1.2091396	1.0875041	-1.4969693		
DM03390P3	0.04153209	1.0773886	-1.1296849	1.2433485	CPIPJ_CPIJ01	XM_001864142.1
DM02968P2	0.04154164	-1.1290561	-1.1702954	-1.2470628	DSEC\GM204	XM_002033412.1
DM10639P2	0.0415742	1.1175061	1.0297675	-1.1514926		
DM09612P1	0.04159223	-1.1224159	1.1556734	-1.158893		
DM12714P1	0.04161953	1.0012634	-1.0891062	-2.1525233		
DM03775P1	0.04165027	-1.5271661	-1.09038	1.3814008		
DM12383P3	0.04166738	1.5340389	1.8181136	1.5505297		
DM05093P1	0.04169142	1.2278076	1.3365624	1.2847481		
DM02306P2	0.0416976	-1.181008	-1.1348631	1.0506011	CLC	XM_395065.3
DM04239P2	0.04173142	-1.255316	-1.1191125	-1.5001951		
DM06612P1	0.0417465	1.0274332	1.8310834	1.6668636	PGUG_02331	XM_001484552.1
DM09144P1	0.04179396	-1.0933981	1.1219224	1.3519888		
DM02928P1	0.04184179	-1.0360514	-1.0364006	1.6826556		
DM00352P2	0.04184417	-1.0382179	-1.0472213	-1.4270705	LOC1001211	XM_001604651.1
DM05793P4	0.04185	-1.0509957	-1.2354457	1.4359323		
DM09649P1	0.04185228	1.1152426	1.2225971	-1.0688416		
DM07108P3	0.04186904	1.02421	-1.891568	-9.319117		
DM12812P1	0.04193846	3.485015	5.441798	1.7377107		
DM02337P1	0.04196262	1.1305348	1.1467403	-1.3963524		
DM03124P3	0.04197601	-1.0936613	-1.1026235	-1.2750005	TRIADDRAFT	XM_002117259.1
DM08210P3	0.04197689	1.2423323	1.163314	1.3323635		
DM02654P2	0.04201514	-1.2011827	-1.0442997	-1.3658004	BRAFLDRAFT	XM_002595646.1
DM13678P1	0.04207315	-1.1777872	-1.1322749	1.1862261	LOC1001649	XM_001947405.1
DM14602P2	0.04211954	-1.0402329	1.0965116	-1.2352601		
DM10183P1	0.04213649	-1.21045	1.0846794	-1.2576079		
DM13908P3	0.04214178	1.0316303	1.2437677	1.2002678		
DM07417P2	0.04214422	1.0344713	1.0178659	1.7405514		
DM01641P2	0.04217755	-1.0797012	-1.0628465	-1.1706429	LOC1001150	XM_001607930.1
DM12239P1	0.04222523	-1.041762	1.0963156	1.1735765		
DM04435P1	0.04222962	1.1616253	-1.1326256	1.3197385		
DM04834P2	0.04225613	1.3519521	1.1575273	1.0319302		
DM13900P3	0.04226634	-1.193994	-1.05638	-1.72669		
DM08810P1	0.04227996	-1.276039	-1.4731957	-1.6144382		
DM04745P3	0.04232802	-1.246635	-1.0353934	1.0992652		

DM11888P3	0.04236844	1.2330512	1.3248717	-1.0554109	
DM09974P3	0.04239352	1.0358965	1.2015613	-1.0652325	
DM15039P2	0.04239447	-1.2838911	1.2540218	-1.0148914	
DM08103P2	0.04244218	1.0527775	1.2099124	1.3185427	
DM09929P1	0.0424876	1.4471428	1.7227031	1.1073837	
DM05063P3	0.04250675	1.0663204	-1.9177197	1.019687	
DM04635P1	0.04251397	-1.108123	-1.33058	-1.2696474	
DM09400P3	0.04260502	1.0257919	1.2264311	1.362929	
DM07499P1	0.04264496	-1.4360435	-1.3651825	-1.271245	
DM14597P3	0.04270382	1.0820223	-1.2650911	1.3872294	
DM09754P1	0.04281338	-1.2855636	1.0608404	1.0645591	
DM04028P1	0.04281409	-1.0021688	1.0381624	1.4101696	
DM13942P1	0.04282153	-1.252509	-1.0440519	-1.1481613	
DM15013P3	0.04282655	-1.105944	1.0027502	1.0920691	
DM10532P2	0.04284783	-1.2265986	1.0397757	-1.2400272	
DM13619P2	0.04287439	-1.0414301	1.1717023	1.3471836	
DM01823P3	0.04296587	-1.0658975	1.0627906	-1.1179596	CPIPJ_CPIJ01 XM_001862577.1
DM14508P2	0.04298752	-1.0979797	-1.4949894	1.1102912	
DM05589P1	0.04299079	-1.0516961	-1.0928195	-1.2753112	
DM04833P4	0.04299094	1.0832565	-1.1873097	1.0303301	
DM07137P3	0.04304304	1.6264303	2.396952	-1.4000133	
DM06979P1	0.0430621	2.3107455	5.0164924	1.1061159	
DM07791P3	0.04309909	-1.3464981	-1.0908531	-1.2638197	
DM02438P3	0.04311162	1.1172178	-1.017462	-1.245405	DMOJ\GI235 XM_001998534.1
DM02396P1	0.04311452	1.0566891	-1.0612755	1.1272506	LOC1000261 XM_001376807.1
DM03430P1	0.04312098	-1.0131301	-1.19437	1.4826828	LOC1000117 XM_001362929.1
DM12715P1	0.04313717	-1.1107537	-1.160468	-1.1795701	
DM09269P2	0.04316142	1.1225076	1.126219	-1.2117572	
DM14460P2	0.04323703	1.1461557	-1.0247554	-1.0533319	
DM00522P1	0.04325676	1.4116849	1.235365	1.2148651	
DM11926P2	0.04327261	-1.1546563	-1.2336229	-1.1864929	
DM13488P2	0.04332804	-1.5277327	1.2537217	1.0847596	
DM07343P2	0.04336453	1.3704399	-1.5132011	-4.602392	
DM02290P2	0.04343232	-1.0251119	-1.2170564	1.1171993	
DM12613P1	0.04354694	-1.1117568	-1.1423724	-1.1268581	
DM11374P2	0.04358601	1.0390358	-1.0140812	1.2534031	
DM04527P2	0.0436338	1.0515416	-1.0314277	-1.2021505	
DM09150P3	0.04365094	1.2392488	1.2918823	1.6999485	
DM11556P1	0.04366354	-1.0625975	1.1647058	-1.1452327	MAN1B1 XM_415569.2
DM12247P3	0.0436975	-1.0099765	1.0146502	1.198548	
DM08798P4	0.04370368	-1.0053605	-1.437547	1.0818126	
DM12024P2	0.04372623	-1.056457	-1.2760766	-1.1571938	
DM11343P1	0.04373166	1.1167924	1.0269332	-1.0521393	
DM00712P1	0.04376414	-1.041574	1.0203834	-1.2265567	DANA\GF165 XM_001954753.1
DM08109P1	0.04378609	-1.1137214	1.2578777	1.9619106	
DM11352P3	0.04378752	-1.3481785	-1.0947946	-1.4101928	
DM01613P4	0.04380748	1.1028241	1.6905452	1.2121861	DSIM\GD140 XM_002083947.1
DM13766P1	0.0438218	-1.2656742	-1.0391637	1.0963186	
DM09479P1	0.04382898	1.1468706	-1.4119182	-1.254822	
DM06216P1	0.04383625	-1.1365252	-1.1217164	-1.0385672	

DM07065P3	0.04384631	-1.2728846	1.1954312	1.1557577		
DM11940P2	0.04385188	-1.1378893	1.0722708	-1.1964003		
DM08250P2	0.04388785	1.0428343	1.2917879	1.2456856		
DM01529P2	0.0439375	-1.1874171	-1.5592277	-1.2375494	DPER\GL2262	XM_002024692.1
DM09264P3	0.04395192	1.0662662	-1.1259569	-1.4554162		
DM00023P4	0.04395208	-1.0520715	1.0726634	-1.2172612	BETATUB56D	XM_002091745.1
DM07960P2	0.04398578	1.0447011	1.0657334	1.3790957		
DM02861P3	0.0440031	-1.1777401	-1.3592039	-1.4866673	INX	XM_001649705.1
DM03641P1	0.04403359	1.1212525	1.2965827	1.4480449		
DM01458P1	0.04405781	-1.0125992	-1.0802299	-1.1822999	LOC1001152	XM_001599958.1
DM07381P4	0.04406413	1.060733	1.1276634	-2.0414202		
DM09494P4	0.04406785	-1.40212	1.3263094	-1.1852006		
DM08668P1	0.04409946	1.0789841	-1.1146014	-1.2222964		
DM02162P3	0.04413198	1.1070148	1.298432	1.2945404		
DM06831P2	0.04413749	1.0056849	-1.0501561	-1.4886249		
DM04125P2	0.04414257	-1.5062256	-1.4449015	-1.4107337	LOC412111	XM_395577.3
DM10401P1	0.04414416	1.0014516	1.0356838	1.2948837		
DM14082P1	0.04415895	-1.1845249	1.0718745	-1.3429159		
DM02454P2	0.04416436	-1.0780385	-1.0373592	1.2632684	LOC1001748	NM_001130902.1
DM01424P3	0.04418047	1.095461	-1.0909746	-1.3447223		
DM07874P3	0.04418066	-1.2722206	1.0524155	-1.8996942		
DM01910P1	0.04420648	-1.076509	-1.1443554	-1.2011248	AAEL_AAEL01	XM_001650178.1
DM12944P3	0.04421511	-1.3644006	-1.2823362	-1.4760206		
DM01944P3	0.04422995	-1.222085	-1.1470102	-1.3039023	CCT7	NM_001142855.1
DM03455P3	0.04423983	1.0154204	1.0944532	-1.0916581		
DM13218P4	0.04425733	1.3184004	1.3798709	1.4384196		
DM10586P4	0.04426759	-1.10497	-1.3283232	1.08085		
DM12452P2	0.04430197	1.1761982	-1.0009537	-1.1007969		
DM04906P2	0.04433111	1.2018784	-1.4168047	-1.0649091		
DM13359P1	0.04437639	3.1248488	4.328061	1.869525		
DM06132P4	0.04439713	1.1003698	-1.3358688	-1.2253474		
DM11807P2	0.04440525	-1.132059	-1.032457	-1.3175956		
DM11244P2	0.04449588	2.0719283	3.8935452	1.0876266		
DM06724P3	0.04450949	1.0153474	1.1035895	1.4635344		
DM04258P4	0.0445936	-1.1793592	-1.0157017	-1.4440155		
DM04779P1	0.04461645	1.1311083	-1.0177796	1.5725889	MHC	XM_002051957.1
DM07794P1	0.04461725	1.1036237	1.2654011	-1.1802169		
DM05868P4	0.04466062	-1.1467416	1.1520637	-1.042044		
DM00488P2	0.04474137	1.0037426	-1.1068362	-1.3883748	LOC1000321	XM_001381221.1
DM13626P2	0.044748	-1.2542007	-1.281827	1.2236547		
DM01705P4	0.04475218	1.1729311	1.218597	1.1131561	APLP2	NM_001142276.1
DM10970P1	0.04483493	-1.0254494	-1.057589	-1.3116134		
DM12135P1	0.04483619	1.035703	-1.0938313	-1.2110503		
DM06425P3	0.04484293	-1.0995748	1.0356834	-1.2275531	LOC1001216	XM_001605224.1
DM10273P3	0.04484985	1.0996296	-1.0258213	-1.1662396		
DM05426P3	0.04486788	1.0693357	1.1376497	-1.1418341		
DM02200P2	0.04488297	1.0871406	1.3271626	-1.0229381	IMP3	NM_001162610.1
DM03578P2	0.04492924	1.1317176	-1.2837447	-2.1444902		
DM07740P1	0.04497901	1.025499	1.315217	1.0881033		
DM04493P2	0.04504458	1.2216605	1.2380476	1.0420824		

DM04410P3	0.04504772	1.1380482	1.2562524	1.4687104		
DM10942P1	0.04505215	-1.0756549	-1.9080602	-1.6074663	EDI_287980	XM_001739638.1
DM02973P3	0.04505428	-1.0349135	-1.212634	-1.2579454		
DM09602P4	0.04509546	-1.1156269	1.0058564	-1.1984936		
DM10115P3	0.04515092	1.3178073	1.504868	1.404301		
DM02773P4	0.04518166	-1.1953069	-1.0930678	-1.2406995	SKP1	XM_969431.2
DM01158P3	0.04522333	1.1138856	1.2637478	-1.0246013		
DM11754P1	0.04524449	1.2303665	1.4120663	1.0156676	PVX_101370	XM_001613971.1
DM10461P3	0.04525336	-1.1501693	1.0214802	1.1006411		
DM04823P1	0.04525368	-1.1229467	-1.0190544	-1.2440244		
DM07036P4	0.04539671	-1.3457427	-1.7687758	-1.6165906		
DM14751P2	0.04549158	1.3350205	1.6763837	1.0306358		
DM00793P2	0.04550091	1.092822	1.0420346	1.6756552	DERE\GG120	XM_001981390.1
DM00682P1	0.04557345	1.209637	1.0132537	-1.1001967		
DM10382P3	0.04566808	1.3402846	1.3401878	1.3087039	CTSL2	NM_001004869.1
DM02806P1	0.04567136	-1.0480591	-1.1946304	-1.3338509	DGRI\GH171	XM_001985612.1
DM04305P4	0.04568183	-1.1955421	-1.1373893	1.1560738		
DM07364P2	0.04568933	1.037731	1.0620618	-1.2496893		
DM08817P3	0.04585147	-1.1034642	-1.1731462	-1.3475223		
DM11543P2	0.04591597	1.2921199	1.8536298	1.0902349		
DM06861P1	0.04596079	1.1844058	1.1759576	1.2354659		
DM00074P4	0.04601317	-1.1410738	-1.1862562	-1.2359343	TBP-1	NM_079740.3
DM04699P3	0.04601745	-1.1495913	-1.0055816	1.755628		
DM00787P2	0.04603576	-1.3252369	-1.4482867	-1.2607256	HSP90B1	XM_001662901.1
DM03627P1	0.04605418	-1.1964666	1.0593513	-1.3551242		
DM02027P4	0.04610246	1.0338458	1.0944612	-1.1373945	MONBRDRAF	XM_001748218.1
DM10010P4	0.0461992	-1.0627581	-1.026731	1.2226532		
DM09359P1	0.04622319	-1.1819	-1.0870507	1.0901169		
DM02164P1	0.04627075	1.0197343	-1.3793733	1.1101649	DPER\GL212	XM_002023167.1
DM00982P1	0.0463174	1.0546073	1.1330698	1.3079369	LOC1002062	XR_053778.1
DM04275P2	0.04635821	-1.156692	-1.0822102	-1.3202202		
DM01461P3	0.04639309	-1.1048877	-1.0133106	-1.2546797	LOC551269	XM_623661.2
DM02081P3	0.04641438	-1.1713768	-1.2906797	-1.3891526	IMPDH1	XM_001501587.2
DM10192P1	0.04647194	-1.1860234	-1.17776	-1.2925293		
DM01463P1	0.04651496	1.0232966	-1.0829123	-1.2867193		
DM06180P3	0.04652839	1.0439918	1.271674	1.591444		
DM10833P1	0.04655699	1.005691	-1.1035097	-1.3052638		
DM06827P3	0.0465643	1.1903582	1.267948	1.3851365		
DM11293P1	0.04656447	1.0348417	-1.1313249	-1.2070457		
DM08692P2	0.04657602	1.1733127	1.2159334	1.3991735	DANA\GF178	XM_001953665.1
DM11052P2	0.04660713	1.1663839	1.7837564	-1.4895749		
DM02832P2	0.04664586	1.5599406	1.938541	1.6099421	TNNC	XM_001652023.1
DM08959P1	0.04665609	-1.0577761	-1.0828531	1.3004755		
DM08516P3	0.04665756	-1.6069766	1.1526644	1.1292005		
DM12438P3	0.04666682	1.0848091	1.2139112	1.5100496		
DM12859P1	0.04668805	-1.0622493	-1.0211457	-1.2366838		
DM03971P2	0.04669859	-1.0396525	-1.0469608	1.2749383		
DM06268P1	0.04675	-1.0270354	1.0422386	1.2437191		
DM02439P3	0.04675621	1.1634005	1.4092664	1.3080693	LOC592365	XM_791891.1
DM12230P4	0.04676743	1.0262139	-1.0997045	1.289315		

DM13621P3	0.0468041	1.2654793	-1.3634845	-1.1020238		
DM00520P2	0.04683046	-1.1691632	-1.0980754	-1.510898	MAGOH	NM_001034245.1
DM00666P1	0.04684677	-1.0215263	-1.1583152	-1.177126	AGAP_AGAP0	XM_307546.2
DM011116P1	0.04685376	1.0014247	1.0955812	-1.0506608	DVIR\GJ1258	XM_002046256.1
DM07403P3	0.04687838	-1.1690146	1.3038688	-1.1072031		
DM04797P2	0.04688835	1.8682163	1.8534329	1.6468751		
DM01673P2	0.04696971	1.1651192	-1.0642039	-1.0295277	ZGC:123301	NM_001037417.1
DM12372P3	0.0469789	1.0858278	1.1656365	-1.1134229		
DM10845P3	0.04701017	-1.1083698	-1.1658762	-1.4026456		
DM10346P1	0.04701842	-1.3438221	1.0340121	1.0283825		
DM02203P3	0.04703221	-1.0885817	-1.1645334	-1.4557259	LOC581865	XM_001177805.1
DM10086P3	0.04705113	1.5660177	1.1879408	1.947644		
DM06659P2	0.04708335	1.3320782	1.3169397	1.07109		
DM05889P1	0.04710552	-1.1142195	-1.0219647	-1.2370625	EEF1G	XM_001661520.1
DM11683P3	0.0471084	-1.0234818	1.121458	-1.3061019		
DM06728P1	0.04710931	-1.3499081	-1.292202	1.3047189		
DM12986P1	0.04712053	-1.347351	-1.357014	-1.2441072		
DM00677P2	0.04716231	-1.1026298	-1.0405364	-1.2477136	LOC1001234	XM_001606991.1
DM07131P4	0.04720977	-1.0502989	-1.0456393	-1.2197001		
DM02897P2	0.04721065	-1.0658201	-1.0394604	-1.2615672	DGRIV\GH208	XM_001985844.1
DM09488P2	0.04723509	1.1695518	1.033912	-1.1131636		
DM09302P3	0.04729632	1.0934045	-1.0552968	-1.5461353		
DM01571P1	0.04732113	1.004491	-1.1269305	-1.1255982	DPER\GL251	XM_002021113.1
DM06136P3	0.04735976	1.0893233	-1.13325	-1.1027267		
DM07204P1	0.04738986	-1.0436593	-1.159339	-1.2546982		
DM11895P3	0.04739584	1.0539502	-1.3256178	-1.1721382		
DM01661P1	0.0474211	1.0581342	-1.01118	1.2606668	DERE\GG135	XM_001972960.1
DM06156P1	0.04747419	1.20118	1.4240838	1.1917797		
DM09038P2	0.04753017	-1.2229698	-1.1069953	-1.2892482		
DM10156P1	0.04753799	1.2052356	-1.2627591	-1.2508332		
DM05274P1	0.04756812	1.8407863	2.1587832	1.8652544		
DM02848P2	0.04761765	-1.0449042	-1.065888	-1.1788968	DVIR\GJ1360	XM_002047706.1
DM08015P1	0.04762253	1.0325012	-1.1035211	1.2413726		
DM11553P1	0.04762389	1.0187805	-1.1706203	-1.1989592	DBT	NM_001013515.1
DM02543P2	0.04762992	1.1065978	1.3334509	1.368124	CBSB	NM_001014345.2
DM00114P2	0.04769556	-1.05168	-1.1427374	1.0730885	DVIR\GJ2411	XM_002053833.1
DM10756P3	0.04773648	1.0714401	1.1064731	1.1884931		
DM03457P1	0.04777066	-1.0658888	-1.1055474	-1.2774361		
DM12324P3	0.04777083	-1.0337065	-1.3020086	1.0387406		
DM07887P1	0.04778837	-1.1787722	1.0153844	1.1510206		
DM02434P1	0.04791232	-1.0612245	-1.3895366	-1.1677941	DMOJ\GI180	XM_002003736.1
DM04107P2	0.0479237	-1.0547037	1.1648748	1.4200342		
DM12675P3	0.04795223	1.0985132	-1.2665461	1.4725162		
DM02110P1	0.04802322	-1.1393085	-1.0368273	1.1131604	LOC657887	XM_964315.1
DM00131P2	0.04802538	1.1277803	1.0590068	-1.0476387	CSNK1E	NM_204377.2
DM04673P2	0.04803439	1.0089461	1.0838648	-1.1525378		
DM00024P2	0.04807801	-1.3065331	-1.0815488	-1.2287278	LOC578258	XM_001196676.1
DM06496P1	0.04808378	1.1555603	-1.2871166	1.8212289		
DM14698P3	0.04809735	-1.255656	-1.2646573	-1.2041621	AAEL_AAEL0C	XM_001660319.1
DM07453P4	0.04814239	1.2077272	1.3792905	1.4884903	THAPSDRAFT	XM_002285900.1

DM03629P1	0.04816031	-1.0789381	1.1373997	-1.2672521		
DM03329P1	0.04818441	-1.1635541	-1.1981461	-1.3740612		
DM03099P1	0.04824705	-1.3619813	-1.1160864	-1.0212761	LOC1000788:	XM_001509769.1
DM06449P3	0.04831162	-2.2870996	-3.2544427	-1.7731466	POPTRDRAFT.	XM_002337327.1
DM04276P2	0.04835051	-1.1556817	-1.2281128	1.4714386	GSPATTO0030	(XM_001427203.1
DM09225P1	0.04837705	-1.5671135	-1.9164125	-1.8769299		
DM10043P1	0.04837722	-1.1815898	-1.0305413	1.2460365		
DM04311P2	0.04840897	1.3152984	-1.8579825	1.9433753		
DM03904P2	0.04844128	-1.2410331	-1.3090974	-1.7187792		
DM13172P3	0.04845201	1.1480386	-1.3907709	1.52272		
DM00503P4	0.04848477	-1.0350878	-1.020948	-1.2193438	PMPCA	NM_001170902.1
DM14313P4	0.04851495	-1.1132659	-1.3102986	1.2682272		
DM10292P1	0.04851726	1.3882606	1.6543177	-1.0010504		
DM14885P2	0.04853413	1.1065671	1.0981293	-1.1276765		
DM05945P2	0.04865028	1.1321403	1.0334187	-1.0360243		
DM01636P1	0.04868553	-1.008634	-1.1057893	-1.2544423	CNVAS1	XM_002161837.1
DM13149P1	0.04874433	1.0970917	1.1010154	1.367328		
DM13355P1	0.04880835	1.4304537	1.637654	1.573563		
DM11822P3	0.04882523	-1.0226996	1.0563124	-1.1803868		
DM07061P3	0.04882631	-1.0502163	1.1017045	1.5753123	AAEL_AAEL0C	XM_001653354.1
DM15458P3	0.04885681	-1.1362123	-1.250815	-1.400631		
DM09430P3	0.04887728	-1.1075418	-1.4433967	-1.0172871		
DM03631P4	0.04889392	-1.095905	-1.0102531	-1.3084877		
DM03386P1	0.04892168	-1.1043417	1.1135906	-1.1795561		
DM01874P1	0.04894193	1.0305347	1.0081636	1.2105322	CG1140	NM_167928.1
DM11260P2	0.04898013	1.0423582	-1.1793038	1.4062667		
DM06223P1	0.04899548	-1.3794509	-1.0813603	-1.2070669	TUBB3	XM_001023006.2
DM06015P1	0.04905247	-1.2443666	-1.3315543	-1.0698029		
DM08107P2	0.04906008	1.2518208	1.4736383	1.4968634		
DM11242P3	0.0490888	-1.3194127	-1.4285531	-1.5782576		
DM01769P2	0.04913266	-1.2968339	1.2047541	-1.3788166	LOC726733	XM_001122454.1
DM04853P4	0.04913572	1.0981188	1.1855185	-1.1922387		
DM09018P3	0.04914017	1.1405134	1.2182357	1.4668043		
DM08153P3	0.04915145	1.2244784	1.3056976	1.1348888		
DM04426P4	0.04916026	-1.1505307	-1.1662786	-1.3144814		
DM12768P1	0.04920212	1.219306	1.711013	1.1357677		
DM09541P2	0.04924771	-1.0081719	-1.007845	-1.1689838		
DM05597P3	0.04926333	1.0323954	-1.085267	-1.1498914		
DM02969P3	0.04926678	1.0971391	-1.2077014	-1.159364	DWIL\GK126	XM_002067749.1
DM04075P2	0.04930122	-1.2228824	-1.0096204	-1.1231649		
DM07779P1	0.04931727	-1.2103157	1.0077564	-1.1695162		
DM04798P2	0.04934276	-1.1473017	-1.1858258	-1.2338883		
DM12697P4	0.04944461	1.1382436	1.030797	-1.0228524		
DM01531P4	0.04945028	-1.1043942	-1.1710807	-1.3335438		
DM01268P2	0.04945923	-1.5754498	-1.3517976	-2.1153076		
DM10552P2	0.04949521	1.0758746	1.2115096	-1.1110926		
DM01257P2	0.04951517	1.0747602	-1.4399672	1.4726924	CELF4	NM_001146294.1
DM05320P2	0.04959589	-1.2391567	-1.9268264	2.3200016		
DM13358P2	0.0496043	-1.0015323	-1.0368866	-1.3053766		
DM10562P1	0.04967594	-1.1847905	1.0203651	-1.4228381		

DM13143P3	0.04969291	-1.4642276	-1.0350885	-1.015011		
DM06232P1	0.04969603	-1.0732712	-1.0164009	-1.2875417	REFBP2	NM_019484.4
DM04357P3	0.04969934	-1.1151456	1.0064319	-1.2784437	EBP2	XM_001274516.1
DM10961P3	0.04980722	1.2881528	1.0128222	-1.1863052		
DM08112P1	0.04986966	-1.2316332	-1.1159716	1.5200546		
DM14714P1	0.04988615	-1.0506814	1.2897677	1.0723711		
DM05180P2	0.04989725	-1.0480465	-1.0762784	-1.37172		
DM02626P2	0.04991266	1.131372	1.0070974	-1.0541506	ZGC:123301	NM_001037417.1
DM05213P1	0.0499165	-1.4515711	-1.3762747	-1.0547575		
DM04498P3	0.04994387	1.7413361	1.6185323	1.459969	ADH5	NM_001031152.1
DM07021P3	0.04995132	-1.2400141	1.2111641	-1.0905186		
DM11175P1	0.04995566	-1.1381402	-1.0143617	-1.3308015		
DM10181P1	0.05000493	-1.0070153	1.0106717	-1.1976942		
DM05185P2	0.05007055	1.3327415	1.897178	1.735343		
DM09350P3	0.05007175	1.0684525	1.0568397	-1.2545482		
DM02124P2	0.05009951	1.3147714	1.1601543	1.3079712	DDC	XM_002057601.1
DM06385P3	0.05011458	-1.2192885	-1.1464667	1.1549935		
DM06739P2	0.05011713	-1.2601337	1.060828	1.1272725		
DM00211P2	0.05012587	1.0405284	1.0143793	-1.3078547	DMOJ\GI1952	XM_002004557.1
DM05948P3	0.05014204	-1.3348285	-1.234966	-1.4508332	DMOJ\GI2147	XM_002010832.1
DM11738P3	0.05016852	-1.0228419	1.0819784	-1.2073578		
DM09088P2	0.05030125	-1.1142356	-1.2042607	1.1893383		
DM07213P2	0.05034726	-1.0903171	-1.3705556	-1.5327615		
DM07478P1	0.05042783	-1.0073768	1.0773573	1.2542374		
DM14519P2	0.05042854	-1.1598642	-1.1092931	1.2795103		
DM05773P2	0.0504374	1.9495991	1.2994797	1.1741971		
DM06800P1	0.05047614	-1.0781366	-1.031468	-1.2758514	LOC1001655	XM_001943159.1
DM13718P3	0.05050616	-1.112245	1.0732467	1.5059527		
DM05561P2	0.05051199	1.4572281	-1.0851305	-1.6846603		
DM11214P3	0.05054908	1.0701865	1.1786928	-1.0310504		
DM09868P2	0.05055104	-1.0259444	1.070931	-1.166701		
DM14062P2	0.05060595	1.0106831	1.6308814	1.5090406		
DM03887P2	0.05066644	-1.0397228	1.038672	-1.1744303		
DM05660P3	0.05069297	1.2171144	1.0075723	-1.0138754	GHITM	NM_001017195.2
DM11702P1	0.05072624	1.0522827	1.0793266	-1.1275098		
DM07854P1	0.05080667	-1.184884	1.0016001	1.1476632		
DM09935P1	0.05082567	1.0400437	-1.0741262	-1.3871421		
DM00315P2	0.05084709	1.0536596	-1.1280202	-1.4151139	LOC409755	XM_393249.3
DM08724P1	0.05086224	1.2611885	2.6225507	-1.095596		
DM12852P2	0.05087359	1.2991568	-1.4085894	1.518209		
DM01451P3	0.0509071	1.331384	-1.5469264	1.2997812		
DM05407P3	0.05092488	-1.0368685	-1.048521	-1.2999237		
DM11457P3	0.05097633	1.3685935	1.7421223	1.2075652		
DM11465P3	0.05098203	-1.3426018	-1.2327771	-1.132445		
DM03170P2	0.05102781	-1.0006509	-1.0820454	1.1884606	DYAK\GE114	XM_002092735.1
DM08780P3	0.05104509	-1.1030675	-1.1862259	-1.1022676	TVAG_17459	XM_001319178.1
DM02844P1	0.05108793	1.0969347	1.1502914	-1.1319075		
DM06078P3	0.05112501	1.0271286	-1.38486	-1.0674175		
DM04415P1	0.05114307	1.2431172	-1.0327603	1.1568856		
DM03622P3	0.05127071	-1.1942807	1.0761122	-1.0110614		

DM07570P2	0.05128967	1.0253595	1.0383308	1.2389671	
DM01403P4	0.05132507	1.0645396	1.112686	-1.1227065	NEMVEDRAFT XM_001631301.1
DM11557P1	0.05133724	-1.140535	-1.3064098	-1.4154958	
DM09954P2	0.05135305	-1.0314711	-1.0442826	-1.3872399	
DM03003P1	0.05135403	-1.0940495	1.03691	1.0391294	
DM14740P1	0.05136883	1.1271667	1.1138306	1.2009546	
DM05095P1	0.05138997	-1.4468609	-1.0018107	-1.2016206	DPSE\GA185\ XM_001353045.2
DM00033P4	0.05140829	-1.2134182	-1.2952046	-1.2843804	LOC1000579\ XM_001493599.1
DM02843P3	0.0514345	1.0090624	1.1502333	-1.1601923	LOC579654 XM_001176359.1
DM10267P1	0.05148702	-1.2975222	-1.1709583	1.0506024	
DM02607P2	0.05149524	-1.0574629	-1.194183	1.0123447	GNPNAT1 NM_001086365.1
DM01616P1	0.05150204	-1.0130204	1.0718938	1.3497568	CK XM_001653673.1
DM09338P4	0.05152782	1.0654465	1.05809	-1.2677728	
DM00737P3	0.05155774	1.0207646	-1.0606815	-1.155691	LOC1001750\ XM_002119273.1
DM01898P1	0.05157575	-1.20076	1.0805706	1.1612275	LOC1001657\ NM_001134286.1
DM04048P1	0.05158307	-1.0046475	1.0708749	-1.3817185	
DM01950P1	0.05163053	1.3374816	1.4984359	1.3088102	DANA\GF166 XM_001954656.1
DM10337P2	0.05164918	-1.285301	-1.0784063	1.3634436	
DM01881P1	0.05166304	-1.113123	-1.2767375	-1.1593035	LOC1001152\ XM_001599996.1
DM00497P2	0.05166384	-1.2627345	-1.2584106	-1.4211118	PSMD2 NM_001101197.1
DM09447P1	0.05172768	-1.3282492	-1.4819667	-1.594544	
DM02335P2	0.05173741	-1.1462759	1.0159736	1.1465122	EEF1G XM_001865765.1
DM13432P3	0.05175256	-1.1225613	1.0641891	1.4693929	
DM05967P4	0.05180289	-1.0365793	-1.0602871	1.0497706	DWIL\GK197\ XM_002064361.1
DM13717P2	0.05180678	1.448258	1.3438202	1.2388046	
DM13083P2	0.05182333	-1.4484661	-1.0380359	-1.0134846	
DM04850P2	0.05188489	-1.0524592	-1.0579948	-1.1944261	DPSE\GA183\ XM_001360213.2
DM05536P3	0.05193809	-1.111508	1.044414	1.0562824	GLO1 XM_419481.2
DM14796P2	0.05193908	1.2368137	-1.2726424	1.6458483	
DM11097P1	0.05195775	1.0724773	1.1450744	-1.1716578	
DM12184P3	0.05196424	-1.0711964	1.0338582	-1.1899512	
DM09514P4	0.05197667	1.1451457	-1.1341205	-1.3035145	
DM07080P1	0.05205069	1.0116086	1.4095381	-1.0628396	
DM09239P1	0.05206216	-1.0722779	-1.2280505	1.002408	
DM13148P1	0.05208752	1.1374893	1.6940321	1.2120452	
DM03849P2	0.05209833	-1.1231992	-1.1981584	-1.1907706	
DM10663P4	0.05210206	1.0590209	1.0435047	-1.23653	
DM00039P4	0.05212377	1.0218267	-1.0037587	1.2096814	AGAP_AGAP0 XM_001688604.1
DM02132P3	0.05213405	-1.0493338	-1.0321301	1.3663726	
DM12539P4	0.05213668	1.0869209	1.0026501	-1.0725771	
DM04047P1	0.05215863	1.0293522	1.0319232	1.316788	
DM07006P2	0.05216789	-1.2520565	-1.3907244	-1.7082579	
DM11231P1	0.05222745	1.0251988	-1.0909606	-1.1971594	
DM04329P3	0.05225129	-1.1171257	-1.0609586	-2.1012383	
DM06929P1	0.05225858	-1.2711579	-1.8338997	1.1969203	
DM06859P1	0.05230074	-1.4024746	-1.2391244	-1.2291744	
DM00749P3	0.05232021	-1.2546203	-1.2175183	-1.024676	CALR XM_001657698.1
DM12975P3	0.05234512	-1.2196915	1.0033886	1.1656362	
DM02461P2	0.05241116	-1.3954172	-1.1660933	1.2545651	
DM07157P3	0.05242123	1.2472599	1.0652294	1.3178799	



DM05242P3	0.05242439	1.074305	-1.0699509	1.2874129	DYAK\GE199\XM_002094902.1
DM02230P3	0.05243126	-1.9574852	-2.5225935	-1.5777801	POPTRDRAFT_XM_002335211.1
DM11605P1	0.05247698	-1.0775607	-1.263283	-1.0218949	
DM15043P2	0.05249262	-1.3082321	1.0537897	-1.0057492	
DM11156P1	0.05250773	-1.0459313	-1.2598917	-1.1675502	
DM03564P1	0.05255292	-1.1969182	1.0480697	-1.1643132	CHRO.10107 XM_662244.1
DM11626P4	0.05255672	1.0460943	-1.0371258	-1.2794799	
DM09632P1	0.05259284	1.026381	-1.0092405	-1.2131797	
DM14040P4	0.05270327	-1.1622224	1.0690026	1.043059	
DM06961P2	0.05270847	-1.2919291	1.0755067	1.3215241	
DM11550P1	0.05272409	1.110051	1.5581356	1.6801034	
DM01087P3	0.05274786	1.160343	1.2290055	1.0767155	
DM12646P3	0.05275588	1.2858702	1.8094593	1.4279426	
DM11685P3	0.05277332	1.1946081	-1.0899086	-1.0682355	
DM03960P1	0.05289394	1.1774868	1.0371323	-1.0942309	
DM15032P2	0.05291001	-1.1034275	-1.0111457	1.2378664	
DM12054P3	0.05291201	1.1422259	1.2011654	-1.0301033	
DM06495P2	0.05293237	1.1403575	-1.0407032	1.408268	DSEC\GM235 XM_002032306.1
DM11073P4	0.05293967	-1.1972203	-2.6653411	-8.003905	
DM08421P2	0.05297183	-1.1638422	-1.0576396	1.8443305	
DM10222P1	0.05301695	-1.2824335	-1.2182949	-1.2128166	
DM00065P4	0.05310409	-1.1825798	-1.0667919	1.0449171	RHOGAPP190 XM_624119.2
DM07702P2	0.05314484	1.0937562	1.3066506	1.3261197	
DM05603P1	0.05316922	-1.8674568	-1.3255839	-1.9984083	LOC743240 XM_001146981.1
DM10956P2	0.05318398	-1.0058012	-1.0427545	-1.4613444	
DM08093P1	0.05320444	-1.1401963	-1.1733932	-1.1816237	
DM01128P1	0.05325825	1.113669	1.110253	-1.1642425	LOC1001852\XM_002126040.1
DM12819P2	0.05325858	1.2275747	1.3419303	1.4048852	
DM00512P1	0.05328666	1.0070533	1.0243767	1.152376	CPIPJ_CPIJ01 XM_001863291.1
DM01133P2	0.05328823	-1.19687	1.0078378	-1.2682115	NEMVEDRAFT XM_001624696.1
DM08353P2	0.05329489	-1.1453747	-1.1998304	1.0555321	
DM02764P3	0.05329672	-1.1514258	1.1857044	1.4721766	
DM00525P2	0.0533089	1.0167505	-1.0869505	1.2355654	DMOJ\GI121\XM_002007829.1
DM12474P2	0.05334788	1.2300967	-1.0831544	-1.2846794	
DM06574P3	0.05334811	1.1495656	-1.0217454	-1.2473284	RABG3B NM_102121.2
DM12533P2	0.05341047	-1.0363607	-1.0250466	1.6939193	
DM01611P2	0.05341547	1.1713725	-1.5450906	1.7856629	LOC448984 NR_002170.3
DM02878P1	0.05343678	-1.0808617	1.0988957	1.242346	DMOJ\GI155\XM_002009803.1
DM07940P1	0.0534686	2.940387	5.635345	3.0184088	
DM03405P2	0.05351078	-1.0432919	-1.0833968	-1.2738798	HCAG_06727 XM_001539072.1
DM06615P1	0.05356238	-1.2596194	-1.0563042	1.2195827	
DM01776P3	0.05357682	-1.2831672	-1.1098934	-1.5197284	NOL1 XM_416502.2
DM10955P2	0.05359561	-1.1346028	1.1060601	-1.2173212	
DM00282P1	0.05359594	-1.1477427	-1.062979	-1.2326818	LOC732922 NM_001046922.1
DM11585P1	0.05360343	-1.0263808	-1.2072225	1.23164	
DM14357P1	0.05363679	-1.1006483	1.032971	1.406022	
DM08669P1	0.05366049	-1.0946505	1.0879853	1.0905923	
DM08748P3	0.05366125	1.2633531	1.4191884	1.2659518	
DM12246P1	0.05367758	1.1983359	1.1950301	-1.1297761	SLC25A36 NM_001132543.1
DM07801P4	0.05368204	-1.1591188	-1.223063	1.0040816	

DM04336P2	0.05368249	-1.2238593	-1.2109815	-1.0463234		
DM00707P2	0.05370798	-1.2196724	-1.0304776	-1.073669	LOC748687	XM_001161340.1
DM00064P1	0.05371259	-1.0971388	-1.2413851	1.055249	ATP1A	XM_001662168.1
DM01815P1	0.05375013	-1.1084416	-1.1760077	-1.1922355	TER94	XM_392892.3
DM00474P1	0.05376379	1.2251726	-1.0610007	1.4375473	DSEC\GM155	XM_002040104.1
DM10200P1	0.05380985	1.1493644	1.0000244	-1.1916761		
DM11741P3	0.05384019	-1.1885394	1.1103703	1.1965835		
DM08048P3	0.05392726	-1.2241694	-1.1002964	1.1686187		
DM03315P1	0.05405989	1.1701945	-1.2064233	1.9770216	LOC592480	XM_792000.2
DM05315P3	0.05412189	-1.0853187	-1.458055	1.6005706		
DM02194P1	0.05412491	-1.126767	-1.3165265	-1.344746	EIF3-S7	NM_001044191.1
DM00244P2	0.05416654	-1.319178	-1.042808	-1.1557192	DSIM\GD196	XM_002102205.1
DM04622P3	0.0541713	1.3085517	1.2454141	-1.0310037		
DM05504P4	0.05421859	1.5932493	1.5894874	1.2813576		
DM05635P4	0.05426335	1.085762	-1.0536315	-1.158698		
DM02183P2	0.05426838	-1.0123036	-1.0621082	-1.217088	DMOJ\GI133	XM_002008142.1
DM04954P3	0.05432763	1.0358882	-1.2907804	-1.3214242		
DM10231P2	0.05436235	1.2747632	1.1332164	-1.1229163		
DM00780P3	0.05441824	1.0350004	1.202808	-1.1776398	CG40005	NM_001042956.1
DM03399P1	0.05442737	1.067047	-1.0525752	-1.1442797	NEMVEDRAFT	XM_001632475.1
DM00964P3	0.05445335	1.2550321	1.2745982	1.0763217	LOC411935	XM_395404.3
DM14122P1	0.05448331	1.051278	-1.201523	1.5638695		
DM13339P1	0.05450438	-1.3586379	-1.097549	1.1442827		
DM06115P1	0.05455195	-1.2140191	-1.1795049	-1.2632911		
DM12473P1	0.05457186	1.0532097	1.0474726	-1.0627872		
DM02909P3	0.05457744	-1.1517819	-1.1034238	-1.2655288	LOC1001190	XM_001602867.1
DM06963P2	0.05462279	1.0734171	-1.4477369	1.5519136		
DM11294P3	0.05462446	-1.0242144	1.1045439	-1.2067646	DWIL\GK120	XM_002070410.1
DM06076P1	0.05466063	1.438367	-2.350451	-1.4473292		
DM11136P1	0.0546727	-1.0692419	1.0941999	1.1599772		
DM00250P2	0.05468822	-1.0445805	-1.0206754	-1.1628652	LOC1000280	XM_001378172.1
DM00912P1	0.05476988	1.1572685	-1.0819132	-1.0882349	DMOJ\GI138	XM_002009120.1
DM05485P2	0.05480572	1.0030215	-1.0174912	-1.254433		
DM10015P3	0.05482223	-1.0792334	1.3063666	1.1257597		
DM08956P3	0.05492987	-1.8959042	-3.10203	-2.108684		
DM05379P3	0.05494722	1.1483473	1.4642351	1.1405646		
DM03042P4	0.0549481	-1.2816314	-1.0647047	-1.1490579	LOC409978	XM_393468.3
DM01420P2	0.05496346	-1.1974534	-1.3164986	-1.3357911		
DM00153P3	0.05498368	-1.1252761	-1.4380955	-1.3155929	CPIPJ_CPIJ01	XM_001857663.1
DM04487P4	0.05502036	-1.0571109	1.0391923	1.1508602		
DM08673P3	0.05507275	1.2110916	-1.0483559	-1.0121822		
DM06514P3	0.05507444	1.3733113	-1.2363856	-1.0695078		
DM08917P2	0.05509228	-1.1505954	-1.1864038	-1.3036335		
DM09382P1	0.05509416	-1.3854954	-1.0196575	1.1522533		
DM10615P3	0.05514059	-1.0090684	1.1454588	-1.137956		
DM08082P3	0.0551432	-1.0460619	1.4126139	1.0969484		
DM10991P2	0.05515588	1.3390248	1.2202824	-1.1922939		
DM04630P2	0.0551619	1.1678153	1.1678264	1.2137023		
DM08372P3	0.05516807	-1.0220317	-1.0357655	1.2418615		
DM01058P3	0.05519553	-1.0578076	-1.0010939	-1.1604244	INTS2	XM_001503757.2

DM02431P1	0.0552612	1.1332594	1.2017899	1.2080034	LOC660580	XM_966799.1
DM00326P3	0.05529065	1.1651171	1.1157928	-1.2871779	LOC1000727	XM_001502740.2
DM15350P1	0.05532431	-1.0142158	1.064492	1.1744009		
DM14680P3	0.05535279	-1.113678	-1.1456422	1.3766743		
DM00015P2	0.0553706	1.1360766	1.0687982	-1.1331476	TRIADDRAFT	XM_002108214.1
DM03012P1	0.05544948	-1.1376932	1.0031666	-1.3425082	LOC660418	XM_966649.2
DM00004P3	0.05548006	1.0534893	1.0053586	1.2706673	AGAP_AGAP0	XM_001688804.1
DM09015P2	0.05550226	-1.0920484	1.0489529	-1.281466		
DM03888P1	0.05557119	1.1300017	1.2565773	1.2328817		
DM10861P2	0.05558203	1.1924858	-1.3564291	1.7458754		
DM05353P3	0.05558331	-1.0419841	-1.099911	1.187894		
DM04246P2	0.05565387	-1.1219109	1.0019137	-1.2738221		
DM13554P1	0.05567458	-1.2191875	-1.1987348	-1.1995542		
DM07048P2	0.05567693	-1.3033973	-1.1532078	1.6361154		
DM04569P3	0.0556927	1.0127171	-1.12792	-1.294187		
DM07077P1	0.05571933	1.2113439	1.249551	1.5047493		
DM09411P2	0.05575158	1.1692003	1.2861468	-1.0914335		
DM12851P2	0.05580243	-1.1946135	1.0546787	-1.2290174	RBM8A	XM_001162472.1
DM05473P2	0.05580835	1.1572748	-1.1239363	-1.0450646		
DM04185P1	0.05581439	-1.1247672	-1.0991862	-1.2011876		
DM01511P2	0.0558188	-1.1085621	1.0359942	-1.3694483	NOP58	XM_001950918.1
DM11181P3	0.05583491	1.0626261	-1.1043861	-1.1577986	DERE\GG188	XM_001977086.1
DM01032P1	0.0558437	1.0080912	-1.0367739	-1.3019992	DPSE\GA140	XM_001361358.2
DM08237P3	0.05586153	1.0808438	1.3339224	1.2615685		
DM08245P3	0.05591304	-1.5506209	-1.5827255	-1.2410941		
DM08497P1	0.05600973	1.1765692	1.0185118	-1.1063371		
DM06750P2	0.0560234	1.2012111	1.3344684	1.1596369		
DM04216P2	0.05603144	-1.2215554	-1.4555097	-1.154043		
DM09212P3	0.05609322	1.1676836	1.0419853	1.3385315		
DM04187P2	0.05610329	-1.0127794	-1.0709224	-1.4154533		
DM05107P1	0.05616048	1.1826085	1.1714016	1.2900821		
DM05164P2	0.05617936	-1.1636467	-1.1027659	-1.3676076		
DM12658P1	0.05623088	-1.000684	1.0769069	-1.2046404		
DM01759P1	0.05623524	1.013106	1.0335996	1.0412824	RPL35A	NM_001162305.1
DM02065P1	0.05623536	-1.2833402	-1.2462642	-1.052654	DANA\GF202	XM_001963477.1
DM09969P1	0.0562398	-1.1598105	-1.1368053	-1.1905512		
DM06465P2	0.05625383	1.2051314	1.7302878	-1.4368815		
DM05402P3	0.0563019	1.0012391	-1.0048095	-1.3009596	LOC1000102	(XR_030170.1
DM05961P2	0.05630357	1.0397378	1.2163757	1.3305601		
DM12082P3	0.05632674	1.3071371	-1.3713447	1.5098339		
DM00743P1	0.05632932	1.3806645	1.4729519	1.4860288	LOC1002001	XM_002160326.1
DM04023P3	0.05645232	-1.2818265	1.2498235	-1.0394678		
DM12327P1	0.05645787	-1.166895	-1.145421	-1.3949157	POPTRDRAFT	XM_002332701.1
DM01372P2	0.05647621	-1.1206262	-1.0093105	2.2395735	DPSE\GA216	XM_001358387.2
DM11029P2	0.05656741	1.6097298	1.6471934	1.9800022		
DM07557P1	0.05665086	-1.1825145	-1.222772	-1.2289151		
DM02167P3	0.0566718	-1.3906091	-1.013745	-1.3424855		
DM05585P1	0.05667811	-1.651361	-2.0295079	-2.3714466		
DM07359P2	0.05667839	1.1496931	1.3093218	1.3756728		
DM01375P1	0.05671478	-1.2738477	-1.2575256	-1.2413299		

DM03383P1	0.05679881	1.0277063	1.0996572	1.1627839	
DM05413P1	0.05684942	1.5399317	1.3314385	1.3291564	
DM04984P4	0.05691897	-1.0165843	1.0505346	1.1843743	
DM13499P1	0.05692999	-1.1354665	-1.0208608	1.3138111	
DM02983P1	0.05694975	-1.0517107	-1.0627875	1.4730201	DMO\JGI100\XM_002000066.1
DM08874P1	0.05700486	-1.0311831	1.2076021	-1.0430479	
DM08676P4	0.0571053	1.0254529	-1.0395327	-1.2156852	
DM12719P2	0.05711631	1.17945	1.0900683	-1.1186002	
DM02188P3	0.0571691	-1.1598161	-1.1909381	-1.387245	
DM00284P2	0.05717988	1.0189556	-1.2558515	-1.2413707	LOC1001168\XM_001607793.1
DM01114P3	0.05718885	1.0242951	1.04028	-1.0626254	DWIL\GK145\XM_002074183.1
DM03833P1	0.05722877	-2.1319013	-1.5755041	-1.1738249	
DM10730P1	0.05723612	-1.0224228	-1.0196803	-1.3229251	
DM04877P1	0.05733421	-1.1945058	-1.0547603	1.24357	
DM11893P1	0.05748055	1.8191786	1.2129806	-1.1208323	
DM00402P2	0.0575424	-1.0060222	-1.1776551	-1.1698122	LOC1000122\XM_001366425.1
DM05670P3	0.05755654	1.083173	-1.1851081	-1.1680822	
DM00043P2	0.05760033	-1.4041148	-1.42367	-1.5894066	DANA\GF157\XM_001962937.1
DM04644P2	0.05762538	1.1694969	-1.3070084	1.0168494	
DM01254P1	0.05771761	1.5657295	1.47549	1.264137	
DM05501P1	0.0577339	1.4094411	1.828296	1.1665188	
DM12907P3	0.05774553	-1.1399599	-1.1623441	1.1531477	
DM11942P1	0.05777102	-1.0679787	1.040994	-1.2864981	DANA\GF151\XM_001961669.1
DM00917P3	0.05781411	-1.1349087	-1.0061848	-1.2416661	
DM06893P4	0.05782281	-1.1943382	1.1701888	1.2849294	
DM04229P1	0.05787	1.2588432	1.0115489	-1.5796568	
DM09004P2	0.05790284	-1.084476	1.0339007	1.0325226	
DM08786P1	0.05794066	-1.0372779	-1.1627783	-1.3898845	
DM15224P2	0.05798785	-1.0084014	1.175266	1.3313922	
DM05825P2	0.05799105	1.0134187	-1.1811664	-1.1050727	DVIR\GJ2088\XM_002049166.1
DM03020P3	0.05807557	-1.0025121	-1.0799773	-1.31839	
DM08236P3	0.05812922	-1.1549649	1.13194	1.5031835	LOC578747 XM_778901.2
DM03990P3	0.05819574	1.1122748	1.1630741	-1.2653729	
DM04743P1	0.05830057	1.3502998	1.0843107	-1.2656162	
DM11974P3	0.05837052	1.0354608	1.0239297	-1.161313	
DM13494P1	0.05843063	-1.1173468	-1.0049033	1.2197506	
DM01593P4	0.05843087	1.2643257	1.1502732	1.4630873	DWIL\GK142 XM_002073607.1
DM04436P3	0.05849164	-1.0962304	-1.1162484	-1.2424823	
DM05328P2	0.0585079	1.2639232	1.2113739	1.1286904	
DM03781P3	0.05851447	1.3640655	1.1945868	1.2315555	
DM10104P1	0.05853699	-1.0225972	-1.0246333	-1.291166	
DM07040P3	0.05858563	1.9078474	2.82917	1.4569216	
DM12033P3	0.05861495	-1.1725059	1.0126395	-1.5162573	
DM04760P2	0.05868125	1.0203104	1.1399534	-1.1061585	
DM05525P2	0.0586877	1.1960691	1.0651836	-1.0643648	
DM12020P1	0.05869719	1.1827579	-1.0755943	-1.1844646	
DM06926P4	0.05878079	1.0839821	1.2713324	1.1798168	
DM01778P1	0.05878176	1.079312	-1.05254	-1.11305	HADHB NM_000183.2
DM03557P1	0.05883838	1.1013108	-1.2429215	1.2821721	PXT NM_142391.4
DM02468P1	0.05885542	-1.0614388	-1.1203188	-1.1891848	LOC659319 XM_965636.1

DM09762P4	0.0588882	-1.6213971	-1.4119095	-1.6251764		
DM10580P2	0.0589206	-1.0785351	1.0909568	1.1988808		
DM06846P2	0.05893568	-1.1642361	-1.3708929	-1.4099855		
DM09497P2	0.05895249	1.1775784	1.2432706	1.3094265		
DM13011P1	0.05896279	-1.1906017	1.1233623	1.1102774		
DM05189P2	0.05896911	1.0484961	1.1240643	1.1140914		
DM03240P2	0.05898468	-1.0239248	-1.0671328	-1.1997745		
DM01414P4	0.05904637	1.2538129	1.2121593	-1.7562667	CAH1	XM_002079344.1
DM07190P1	0.05912912	1.0045129	1.1563777	1.9814188		
DM01053P2	0.0591416	-1.1069623	-1.050303	-1.1530435	LOC1002269	XM_002192079.1
DM05880P2	0.05914306	1.0200118	-1.0795201	-1.2261794		
DM09034P3	0.05915094	1.0683169	-2.1022577	1.4158431		
DM09456P1	0.05919265	1.0378642	-1.0047771	-1.1924181		
DM05158P2	0.05920908	-1.06725	-1.1688789	-1.1652983		
DM03760P2	0.05922296	1.2679774	-1.3401767	-1.2663158		
DM03486P2	0.05923947	1.5232316	1.6986964	-1.1173826	SLC26A11	XM_540473.2
DM02453P3	0.05924936	-1.0298096	-1.395512	-1.2162281	LOC1000374	NM_001098359.1
DM15050P1	0.05925323	1.0621953	-1.2060919	1.2753836		
DM02193P2	0.05925937	1.2887352	1.0802888	1.3221854		
DM08875P1	0.05928657	1.067269	-1.3486711	-1.1619873		
DM03617P4	0.05934983	-1.0273324	-1.0868603	1.3980403		
DM12435P1	0.05942298	1.0498309	1.0529886	-1.1672653	LOC1001186	XM_001602486.1
DM15330P3	0.05942959	-1.0729414	-1.474939	1.5816872		
DM04730P2	0.0594415	-1.2043332	-1.0830557	1.0791198	LOC708291	XM_001100193.1
DM00436P1	0.0595172	-1.0839556	-1.0267969	1.1770521	LOC659398	XM_965708.2
DM00812P1	0.05955451	1.0654905	-1.0281732	1.2536416	SYT4	XM_001655897.1
DM00640P4	0.05965512	1.2264525	1.1940173	1.2775389	F32D8.12	NM_001028701.2
DM01560P1	0.05967649	1.008136	-1.0108398	1.026589	ISCW_ISCWC	XM_002401605.1
DM04830P1	0.05973244	-1.2497699	-1.1797962	-1.4211336	LOC412616	XM_396071.2
DM04898P1	0.05976014	1.2379153	-1.0642722	1.2292823		
DM11843P1	0.05977949	-1.1246052	1.0995834	-1.456667		
DM12160P2	0.05980529	-1.0959399	-1.2297614	-1.2835991		
DM12610P3	0.05980926	-1.2255055	-1.6410204	1.5386329		
DM04939P4	0.05982805	1.0320559	-1.1422248	-1.3286462	LOC1001458	NM_001126202.2
DM02938P2	0.05986141	-1.0035245	-1.0846181	-1.1981299	LOC552328	XM_624704.2
DM12517P1	0.05988937	1.1078088	1.0252508	1.2603414		
DM08612P2	0.05993883	-1.0625076	1.150412	1.1969489		
DM00594P2	0.05994417	1.0402439	-1.0387777	-1.3803418	AAEL_AAEL01	XM_001661936.1
DM02641P2	0.06003057	-1.0270203	-1.0019586	1.2454121	DANA\GF207	XM_001964286.1
DM11572P1	0.06005348	-1.3216784	1.0180427	-1.2629879		
DM06624P3	0.06011549	1.0364718	1.130892	1.3736144		
DM03534P1	0.06012505	1.0842184	1.2013402	1.0967101		
DM02609P3	0.06015101	1.148219	1.2132035	1.1085719	DVIR\GJ2006	XM_002050656.1
DM11416P1	0.0601513	-1.0504193	-2.4618347	-1.0308588	NEMVEDRAFT	XM_001636670.1
DM12267P1	0.06015748	-1.0118163	-1.146406	1.1031992		
DM11280P1	0.0601743	-1.1439478	-1.0036643	-1.3730614		
DM02517P3	0.06020618	1.0828929	1.1285344	-1.0413063		
DM08653P1	0.06024384	-1.046032	-1.2075503	-1.3206758		
DM09309P2	0.06043341	1.172709	-1.0418009	-1.0576384		
DM11265P2	0.06045634	1.6111636	1.7812974	1.9768153		

DM04864P3	0.06053829	1.0563558	1.1042446	-1.2920464		
DM01159P2	0.06057712	1.0624088	-1.1175549	-1.1120999	NITO	XM_624841.2
DM11832P1	0.06061237	-1.1086783	1.0144686	1.1208926		
DM01587P3	0.06062336	-1.0941395	-1.2295191	-1.273784	DGR\IGH139'	XM_001996070.1
DM00442P3	0.06065013	-1.1780792	-1.0956643	1.007183	LOC581398	XM_781400.2
DM08795P3	0.06066569	-1.282256	-1.1554124	-1.446634		
DM07307P2	0.06069226	-1.7243102	-1.6527591	-1.7030833		
DM04940P1	0.06071946	-1.2835994	-1.1839209	-1.1442187		
DM111138P4	0.0607581	-1.3025829	-1.0142012	1.0582881		
DM08879P2	0.06076035	-1.2196543	-1.1280421	-1.3781041		
DM05841P2	0.06077377	1.2258089	-1.4397334	1.6873169		
DM06203P3	0.06080624	-1.1205958	1.0019691	1.0576495		
DM10336P3	0.06083153	-1.2319655	-1.2094623	-1.0989524		
DM01793P3	0.06088759	1.1454709	1.0165598	1.4703594		
DM15054P3	0.06089159	-1.1754829	-1.0943916	1.0458218		
DM04347P1	0.06091753	-1.3084807	-1.0681323	1.2643476	LOC656585	XM_963106.1
DM13368P1	0.06094511	-1.1631328	1.093023	1.229571		
DM05844P2	0.06095548	1.3252907	1.067465	1.0571886	MAP1LC3A	XM_417327.2
DM00294P3	0.06104184	-1.0150428	1.1301817	-1.074383	SIAH1	NM_001091969.1
DM08297P1	0.06111012	1.2000152	2.1572897	4.0914907		
DM04952P4	0.06112349	-1.2044859	1.0510534	-1.334768		
DM15236P1	0.06114458	-1.1136973	-1.1620605	-1.3140227		
DM14230P1	0.06114885	1.0233449	1.0834575	-1.1738572		
DM03256P1	0.0612261	-1.2811983	-1.2086791	-1.2315985		
DM13166P2	0.06122748	-1.2571632	1.0191077	-1.0387331		
DM02185P4	0.06126727	1.0412333	1.0831088	-1.3105229	PCCB-1	NM_171648.2
DM07797P1	0.06139657	-1.1339058	1.0082407	1.2672827		
DM09246P1	0.06146653	1.0247028	-1.0291528	-1.6436884		
DM10842P2	0.06148794	-1.1570657	1.0085764	1.217955		
DM03190P2	0.06158694	1.1317307	1.2582706	1.2329746		
DM11697P4	0.06162255	1.1149818	-1.3331239	-1.0983146		
DM02911P1	0.06162752	-1.1281488	-1.0842532	-1.2715925	FRMD4A	NM_018027.3
DM05217P3	0.06163525	-1.0037525	-1.0179511	1.5797899		
DM05454P2	0.06165481	1.1762295	1.1857599	1.3823737		
DM01430P1	0.06169828	-1.329217	-1.1132327	-1.2165452	LOC408528	XM_392073.3
DM08689P2	0.0617126	1.0548452	1.1803765	-1.165424		
DM00526P2	0.06181667	-1.0992576	-1.2198646	-1.300517	LOC655455	XM_961999.2
DM00380P2	0.06191417	-1.1185759	-1.0774878	-1.327031	CTBP	XM_001998888.1
DM05535P2	0.06194267	1.1068461	1.4600031	-1.5523317		
DM06722P2	0.06199535	1.2048447	-1.0194104	1.3259431		
DM03050P2	0.06210849	-1.6245371	-1.5537009	-1.4982303		
DM07163P1	0.06211612	-1.056927	1.1725192	1.233618	LOC656410	XM_962943.2
DM01486P4	0.06211904	1.0526686	-1.7546583	-2.0734396		
DM13874P2	0.06214059	-1.0308636	1.0510408	1.4279896		
DM01694P1	0.06216181	-1.0364399	-1.0212036	1.2074447	LOC1000301:	XM_001372533.1
DM10596P1	0.06217795	1.1067557	-1.3391602	-1.2058734		
DM11041P1	0.06223156	1.0286683	1.1462259	-1.2210201		
DM11724P1	0.06226006	1.026898	1.0628794	1.2621884		
DM08846P3	0.0622601	-1.9074908	-2.136385	1.4076046		
DM03119P2	0.06228415	1.3474203	1.3052604	1.241638		

DM10239P1	0.06228428	1.3397685	1.1579746	1.4623824		
DM12868P1	0.06230287	-1.0958308	1.2136952	1.0149871		
DM14170P2	0.06230978	-1.0216308	-1.194555	1.0393872		
DM09852P2	0.06231594	-1.004946	1.1269649	1.2843087		
DM01506P1	0.06235547	-1.0388182	-1.169793	-1.199175	LOC490143	XM_849857.1
DM00797P1	0.06236235	1.065161	-1.0221912	-1.0845402	LOC1000871	XM_001517077.1
DM10668P3	0.06239344	-1.0043622	-1.0900882	-1.4333569		
DM02392P1	0.0625317	-1.1016378	-1.0791653	-1.2136803	HIST2H2AB	XM_001862691.1
DM12854P3	0.06257284	1.0165118	-1.2520916	-1.12513		
DM12393P1	0.0626472	1.0468421	-1.274774	1.5436424		
DM09122P1	0.06269087	-1.279458	-1.0987995	-1.2216759		
DM03017P3	0.06272551	-1.0756617	1.1328534	-1.1504972	LOC1001601	XM_001944250.1
DM04963P3	0.0627399	1.4314938	1.0213382	1.1231526	CYP4BW4	XM_001603994.1
DM00611P2	0.06288744	1.0525048	-1.0484064	-1.1314785	BRAFLDRAFT	XM_002586225.1
DM04755P3	0.06295406	1.1492314	1.2632402	1.3281747		
DM08146P1	0.06296948	-1.1119838	-1.0062078	1.1316859		
DM04082P1	0.06298039	-1.1578265	-1.1115855	-1.2315497	DWIL\GK140	XM_002073219.1
DM00670P2	0.06299757	-1.0057931	-1.1895821	-1.0424263	TXNRD1	NM_001122673.1
DM05588P1	0.06303506	1.5899974	1.7709668	1.6615382		
DM05221P1	0.06307136	-1.109714	1.1405374	1.3250406		
DM13810P2	0.06307874	-1.1070067	-1.0623013	-2.6799054		
DM01484P2	0.06307925	-1.065751	-1.0784044	-1.274741		
DM04844P3	0.06320228	1.1256568	1.2361473	1.1280664		
DM05293P3	0.06325453	-1.1316361	-2.3401828	-2.2211292	DANA\GF102	XM_001957049.1
DM14593P1	0.06325501	-1.471514	-1.7210335	-1.4330336		
DM02117P4	0.06327628	-1.1352286	1.0037932	-1.2300752	SFRS7	XM_001122800.1
DM12360P1	0.06334768	1.0838987	1.501632	1.1162256		
DM09736P1	0.06338836	1.0654806	1.0660871	1.2276889		
DM05430P2	0.06340437	1.1251423	1.0361471	-1.1316847	DSEC\GM175	XM_002042688.1
DM07800P4	0.06343284	1.0048304	1.1889939	-1.1324044		
DM13741P3	0.0634474	-1.3105454	1.0233411	1.2420529		
DM15131P1	0.06351413	1.0321088	-1.1907772	-1.1839373		
DM08083P1	0.06355865	-1.6670367	-1.623219	-1.7310193		
DM15063P3	0.06360716	-1.4776622	1.2025789	-1.0376345		
DM06987P1	0.06363938	3.0878797	5.289753	2.5944438		
DM12285P1	0.06364802	1.0822006	1.1271541	1.0728917		
DM04021P3	0.06368281	-1.1502674	-1.0498192	1.2478353		
DM07751P2	0.06369789	-1.3067214	-1.0021093	1.6188847		
DM04801P3	0.0637327	1.3752714	1.2919191	1.3956264		
DM02623P1	0.06377272	1.0085315	1.3715572	1.2817943	ALDH	XM_001655875.1
DM12647P2	0.06378505	1.0499276	1.0945065	1.1975881		
DM06278P3	0.06380925	-1.0802665	-1.139187	-1.3988011		
DM13451P3	0.06386749	1.9478052	-1.4348251	1.4295806		
DM12013P3	0.06389484	1.1130936	1.006679	1.365067		
DM08323P2	0.06390095	-1.1364393	1.0851141	1.1956986		
DM04497P1	0.06391729	-1.2094293	1.0578399	-1.2669189		
DM03983P3	0.06395615	-1.463865	-1.635955	-1.0252166		
DM09510P3	0.0640287	1.117953	-1.683617	1.3627155		
DM12914P1	0.0640301	1.3433824	-1.6570586	-1.5533252		
DM06573P2	0.06412888	1.0887545	1.136759	-1.1497773		

DM14358P3	0.0641719	-1.1725168	-1.1111296	-1.0066143		
DM09610P3	0.0641822	-1.4251105	-1.2117202	1.1973379		
DM13131P4	0.06418891	-1.2762504	-1.1918347	-1.0578256	LOC591069	XM_001177128.1
DM01098P2	0.06418955	1.0261273	1.0760659	-1.1079328	CSNK1B	NM_001098159.1
DM05897P1	0.06422454	-1.0169868	1.1789752	1.1908344		
DM13466P1	0.06428707	-1.0793679	1.2709147	1.2827606		
DM06013P2	0.06434063	-1.145639	1.1461896	-1.0694095		
DM07416P2	0.06434599	-1.0565374	-1.0220245	1.1768397		
DM01419P3	0.06435078	1.1991967	1.0056028	-1.1633075	GLCAT-I	XM_002100089.1
DM03220P4	0.0643602	-1.1416862	1.0772651	-1.2023076	DWIL\GK130	XM_002073523.1
DM04802P4	0.06440003	1.0759567	-1.08652	1.2034068		
DM13418P4	0.06443519	-1.0559359	1.0565008	1.50486		
DM02670P1	0.06444676	1.1530517	1.2405788	1.3546817		
DM08856P2	0.06451576	1.7648425	1.9817445	1.3987156		
DM11734P2	0.06457459	-1.2462348	-1.1257697	-1.585963		
DM03828P2	0.06457538	-1.1900364	1.0155041	-1.3555143		
DM07896P3	0.06461719	1.3167142	-1.6692178	-3.2795825		
DM11575P3	0.0646662	1.0657265	-1.1473637	-1.1395243		
DM04967P3	0.06470263	1.0779217	1.2457379	1.2613645		
DM10312P1	0.0647315	-1.1174978	1.357153	1.9559683		
DM08603P1	0.06474315	1.2950385	-1.0407281	1.7140878		
DM12277P1	0.06488834	-1.0089523	-1.060172	1.1801764		
DM04829P3	0.0648983	2.2614496	3.5544477	1.497038		
DM03490P1	0.06491432	-1.00457	-1.0015848	-1.289826	BRAFLDRAFT	XM_002598278.1
DM12222P1	0.06492535	1.100027	1.0893662	1.166735		
DM03018P2	0.06496102	1.0535145	1.1613528	1.065792	DVIR\GJ2055	XM_002049751.1
DM03024P2	0.06502428	-1.1272895	-1.0773813	-1.288008	CCDC124	NM_001016496.2
DM02448P3	0.0650289	-1.1481661	-1.0903875	-1.3941532	CCT7	NM_001166285.1
DM12809P1	0.06503616	-1.3390307	-1.2709242	-1.5314039		
DM04807P2	0.06504865	-1.7793366	-1.458093	1.0517435		
DM12366P1	0.06509767	1.0226233	1.0656475	-1.2103547		
DM07920P3	0.06518924	1.1208441	1.3108971	1.1176028		
DM02519P2	0.06519418	1.2751029	1.0148549	1.1607481	PRKCA-BINDI	XM_001847009.1
DM05656P3	0.06528259	-1.2172648	-1.1083441	-1.4404228		
DM09154P1	0.06528577	-1.1183887	-1.0157838	-1.1583005		
DM01033P1	0.06541626	-1.0009589	-1.2061833	-1.5859829	CPIPJ_CPIJOC	XM_001842324.1
DM14218P1	0.06545782	-1.0870479	1.1036079	1.1932687		
DM01243P1	0.06547131	1.0190673	1.07506	-1.1366783	MITD1	NM_001004902.1
DM08520P1	0.06550334	1.0580764	1.2451886	1.1738263		
DM08938P1	0.06577713	1.0656588	-1.8426219	2.1667087		
DM07167P1	0.06586274	-1.2776467	-1.0724311	1.430287		
DM04088P3	0.0658742	1.2981288	1.2548741	1.132826	LOC1001367	NM_001124685.1
DM04439P1	0.06592383	1.28518	-1.0389755	1.6597846		
DM02242P1	0.06598698	-1.1168604	-1.1342021	-1.2083863	DANA\GF162	XM_001955362.1
DM07372P3	0.0660002	-1.0629134	1.141187	1.2426788		
DM02067P4	0.06601641	-1.1981527	-1.53613	-1.4973103	TUSC3	XM_844352.1
DM09301P1	0.06605116	-1.2646235	-1.3352988	-1.0562621		
DM07129P2	0.06607486	2.583752	5.552851	1.3980492		
DM07164P3	0.06607977	-1.1668	-1.4562522	-1.0603303		
DM08733P4	0.0660931	1.0455171	1.0488669	-1.3997703		



DM00147P3	0.0661611	1.1829929	-1.3482776	1.1289784	DYAK\GE143\XM_002092767.1
DM11080P2	0.06618958	-1.0666893	-1.163665	-1.2249303	METTL6 NM_152396.2
DM11145P1	0.06619301	1.0639586	1.3732442	1.0866433	
DM08007P1	0.0661964	1.1114988	1.223224	-1.1113449	
DM13783P3	0.06620931	-1.092596	1.2379125	-1.7389749	
DM00774P1	0.06622172	1.1351992	-1.0110394	-1.1716768	POPTRDRAFT.XM_002297631.1
DM12077P3	0.06628966	-1.0346682	1.1264886	-1.2022156	
DM10566P3	0.06630065	-1.0370475	1.009864	1.2228644	
DM07869P2	0.06637189	-1.0884223	-1.2130955	1.2880577	
DM01948P1	0.06639918	-1.7611226	-1.40114	-1.2357378	
DM03292P1	0.06644283	-1.0110466	-1.0475532	-1.2841016	LOC1001663:XM_001946703.1
DM02383P3	0.06647475	-1.3695928	-1.4066113	-1.5233943	ALAS XM_002092691.1
DM03447P3	0.0665495	1.0726719	-1.0245947	1.267286	LOC776168 XM_416649.2
DM04812P3	0.06664299	-1.0000621	-1.1348242	-1.1613642	
DM03978P1	0.06664632	-1.2325525	1.0697399	-1.0355452	LOC475682 XM_532889.2
DM14144P1	0.06666665	-1.1360395	-1.0932393	1.2625817	
DM01758P3	0.06672262	1.0917544	-1.2974384	-1.3823533	DWIL\GK130\XM_002073646.1
DM00126P2	0.06672657	1.0683104	-1.0106021	1.2838619	AGAP_AGAP0 XM_001688604.1
DM13602P1	0.06672917	1.3065093	1.2885314	1.2798525	
DM06684P1	0.06681788	-1.075385	-1.0386698	1.2302141	
DM09048P1	0.06682675	-1.3171191	-1.083115	1.4089757	
DM13063P1	0.06682967	-1.0884273	1.0413585	-1.2273519	
DM10555P3	0.06688098	1.88909	3.1297646	1.5888661	
DM08802P1	0.066912	-1.0223566	-1.0017717	-1.3058251	
DM11413P4	0.06693966	-1.0919207	-1.0229822	1.0771979	
DM13852P2	0.06699	-1.3143216	-1.0641111	1.0199102	
DM14677P3	0.06700122	-1.1425179	1.1419965	1.2365814	
DM12141P2	0.06707105	1.447864	-2.2112644	-1.4245721	
DM10041P3	0.06711989	1.3130369	1.2082222	1.5770336	
DM09539P1	0.06717043	-1.0665153	1.0774647	-1.1306463	
DM06776P2	0.06718575	1.6198831	2.1851573	2.382979	
DM15230P3	0.06721716	1.076243	-1.1226763	1.0776367	
DM02379P4	0.06728026	1.0092242	1.0289412	-1.2036847	DRG2 NM_001006839.1
DM01154P3	0.06730356	1.1037421	1.261115	-1.0505972	
DM11973P3	0.06731746	1.0633459	1.4148396	1.3696268	
DM01921P3	0.06735291	-1.5716208	-1.0051303	1.6826195	
DM09484P1	0.0674496	-1.161531	-1.3057288	-1.3522712	
DM08060P1	0.06749976	-1.2204696	-1.6631831	-1.0001676	
DM13930P3	0.06750888	-1.2369543	-1.2601819	-1.0390214	
DM09136P4	0.06754995	1.6421288	1.2057475	2.00213	
DM00785P3	0.06755917	-1.0724669	-1.227938	-1.2061195	DVIR\GJ2190 XM_002049972.1
DM09586P1	0.06766202	-1.1280055	1.0531855	-1.5512064	
DM09919P2	0.06767238	1.1608773	-1.3129535	1.1166555	
DM00603P1	0.06770967	1.0496125	-1.229331	-1.0459199	LOC1001168\XM_001607793.1
DM07386P2	0.06773415	-1.0198117	-1.2911822	-1.2761263	
DM06894P3	0.0678272	1.0990074	1.3949943	-1.1491503	
DM08454P2	0.06786346	-1.2396296	-1.0810467	1.1967664	
DM11059P2	0.06798737	1.3031013	1.1723553	1.0959052	
DM10853P1	0.06798855	1.0533262	-1.2606833	1.3568685	
DM12095P4	0.06802233	1.437888	1.5446637	1.1702148	

DM11574P1	0.06815819	1.1978945	1.2117524	-1.4855527		
DM12092P1	0.06819799	1.1895463	-1.0664347	1.7323114		
DM06618P4	0.0682216	-2.0929003	-1.6379349	-2.1073163		
DM13504P2	0.06832845	1.1823604	1.2707629	1.0791675		
DM04584P1	0.06835389	1.0535859	-1.0722622	-1.2547166		
DM03836P1	0.06839383	-1.357042	-1.0248814	1.8014499		
DM11649P2	0.06847202	-1.1434933	-1.0148584	1.1339982		
DM02205P3	0.06855033	1.1029174	1.0324904	-1.0421698	DWIL\GK168	XM_002061982.1
DM14343P2	0.06862927	-1.2258478	-1.0152116	-1.3390723		
DM08797P2	0.06865149	1.1837205	-1.5315083	1.9714121	LOC1002204	XM_002191988.1
DM11386P4	0.0686629	1.1047525	1.1725786	1.3978261		
DM03816P2	0.06869195	1.0755683	-1.1932722	1.1041511		
DM02374P3	0.06869673	-1.4762872	-1.1204052	-1.7718196	HPRT1	NM_012583.2
DM08937P1	0.06876627	-1.2295417	1.0048395	-1.3404438		
DM12856P3	0.06884491	-1.1698141	1.0022231	1.0091918		
DM02325P2	0.06891079	-1.1521605	-1.0956025	-1.3240321	NCU11213	XM_953718.1
DM06619P1	0.06892856	1.2095214	1.2168407	-1.3262942	LOC410883	XM_394359.2
DM02495P1	0.06893434	1.0254632	1.6427087	1.1163338		
DM10207P2	0.06903296	-1.0828391	-1.0554482	-1.3390623		
DM09978P3	0.06919128	1.129254	1.5805845	1.7644231		
DM11971P1	0.06919485	1.1235062	-1.2003593	-1.1790601		
DM03556P4	0.06927843	-1.1005323	-1.2352136	-1.3145791	MRPS5	XM_001865086.1
DM00318P3	0.06929202	-1.1493412	-1.1574383	1.0339798	LOC664324	XM_970331.2
DM11509P1	0.06933904	-1.007419	-1.0815585	-1.2753563		
DM07156P3	0.06940425	1.2704155	1.2991581	1.3472451		
DM12522P1	0.06946133	1.1612749	-1.029079	1.2109488		
DM10077P2	0.069543	1.0961329	1.1944509	1.2790141		
DM14196P3	0.06958342	-1.1159904	-1.2104186	2.0996		
DM10019P1	0.06959478	-1.3888531	-1.1914616	-1.0111129		
DM08741P1	0.06961889	1.2013304	1.27896	1.2493004		
DM08216P1	0.06962276	-1.1995641	1.013992	-1.1798992		
DM09232P1	0.06964729	-1.1222249	-1.0682532	1.2678069		
DM00676P3	0.06972262	-1.0926193	-1.0179965	-1.1899459	LOC410447	XM_393927.3
DM14171P1	0.06980846	1.0529225	-2.1134906	-1.0076789		
DM14183P4	0.0698247	-1.045016	-2.137256	-1.5658456		
DM04318P3	0.06987879	-1.2382802	1.3646345	-1.0571007		
DM08325P1	0.06989846	1.1967276	-1.0000277	2.7847116		
DM10275P3	0.0699027	-1.0063066	1.2027669	1.239879		
DM06918P3	0.06992909	-1.252736	-1.2613512	1.0744629		
DM01880P1	0.06997541	-1.4904895	-1.6289967	-1.6458247		
DM03642P4	0.07007625	1.0530186	-1.0569805	-1.0971316		
DM03635P1	0.07009165	1.1087211	-1.0556753	-1.097404	DYAK\GE210	XM_002089995.1
DM03061P4	0.0702784	-1.1189867	-1.099268	-1.1490672	LOC1000275	XM_001377766.1
DM14160P3	0.07030205	-1.6446145	-1.6518947	1.462514		
DM01848P1	0.07033762	-1.1286954	-1.0904624	1.1587123	LOC1000261	XM_001376807.1
DM11224P3	0.07034903	1.0231489	-1.0793996	-1.2714713	LOC414032	XM_397468.3
DM10423P1	0.07035391	-1.0270293	-1.1205252	1.3704152		
DM02953P4	0.07035875	-1.2137089	-1.0514146	1.0952891	COPG	NM_001090106.1
DM04036P4	0.07037336	3.5355928	6.8239384	-1.0796411		
DM06647P2	0.07042847	-1.0367073	-1.3327014	1.6003584		

DM08902P2	0.07045648	-1.484927	-1.0574833	-1.9976164		
DM01884P2	0.07047162	1.1919762	1.2125201	-1.3922764	AMY	XM_001846491.1
DM06419P1	0.07047392	-1.1690148	-1.0958792	1.2580734		
DM09998P4	0.07047613	1.0994761	-1.0229892	-1.3064691		
DM03577P1	0.07050426	1.0262792	-1.0260304	-1.4518577	AGAP_AGAP0	XM_307942.4
DM14717P1	0.07055545	1.0884377	1.0999231	1.2208409		
DM14487P1	0.07062674	1.0006677	-1.2694354	1.1124555		
DM08841P2	0.0706512	1.4545028	1.1606773	-1.1101784		
DM06620P3	0.07067971	-1.0258276	1.0437601	1.0729612		
DM09737P1	0.07068079	-1.1017085	1.0970498	-1.2123686		
DM00175P3	0.07069752	1.1477644	-1.17277	-1.1984512	PYG	XM_001650215.1
DM00094P3	0.07072441	-1.0420512	1.0025742	1.1234481	LOC655613	XM_962173.2
DM05365P1	0.07080287	1.2084252	1.6731622	1.9056706		
DM11091P1	0.07082411	-1.0430495	1.3212733	-1.5322615		
DM04162P1	0.07092527	-1.0711843	1.0838485	-1.1375391		
DM06365P2	0.0709717	1.017921	-1.0101469	1.1339315		
DM00833P2	0.07103122	1.208683	1.3361773	1.1540365	LOC1000170	XM_001370669.1
DM12918P1	0.07107454	1.0023882	-1.2833247	-1.5369723		
DM05338P4	0.07110267	1.482625	1.1327655	1.2535907		
DM01381P3	0.07111603	-1.0037459	-1.1935325	-1.262823		
DM00341P3	0.07124196	-1.1425369	-1.0682122	-1.2968738	LOC692795	NM_001046642.1
DM06521P1	0.07127878	3.123475	5.7851567	1.3626772	RPL19	NM_001043756.4
DM14703P3	0.07137249	1.2843394	1.5646889	-1.4949104		
DM13209P1	0.07140624	1.238204	1.2175776	1.2918427		
DM13350P2	0.07148847	-1.0831987	1.0775622	-1.1973394	PF10_0234	XM_001347482.1
DM02828P2	0.0714997	-1.1041306	1.0826452	1.1815634	CPUORF30	NM_001125181.1
DM09828P2	0.07151293	1.2538756	1.2518766	-1.0819519		
DM11322P1	0.07151807	-1.0340946	-1.0229421	-1.3964187		
DM11512P1	0.07155049	1.2066264	1.2922403	1.1033742		
DM00123P3	0.07157726	-1.2018946	-1.083826	-1.1547457	LOC732999	NM_001046995.2
DM04074P1	0.07162586	-1.4366282	-1.2190847	-2.1512284		
DM02941P3	0.07166328	-1.1500468	1.0341389	-1.2666231		
DM07182P2	0.07167668	1.274061	1.7267505	-1.1402795		
DM03086P2	0.07173583	1.1194662	1.2328641	1.000867		
DM00213P1	0.07173783	-1.0383853	1.1077889	-1.2835262	DGRIV\GH229	XM_001995128.1
DM08551P1	0.07177001	-1.2300987	-1.1701754	-1.2341048		
DM00117P3	0.07191621	-1.078612	-1.2798792	-1.7669542	DVIR\GJ2276	XM_002054476.1
DM01480P1	0.07193625	-1.0561578	-1.0254725	-1.2404927		
DM01914P2	0.0719785	-1.0729495	-1.1797444	-1.1236452	LOC409581	XM_393085.3
DM08873P4	0.07215089	-1.0229076	1.0175238	1.177533		
DM09577P1	0.07216111	1.6135763	1.9126318	1.3313203		
DM09720P1	0.0721777	1.0508705	-1.093049	1.273571		
DM06325P3	0.07217885	-1.1382588	1.1519078	1.0309801		
DM01754P1	0.07220159	-1.0146701	-1.0034322	1.0385392	RPL17L	XM_001231653.1
DM01345P1	0.07228693	1.1587307	1.0741742	-1.012897	CG31116	NM_176462.1
DM10197P1	0.07234934	1.1967634	-1.127428	-1.321625		
DM10542P3	0.07236357	1.2420063	1.4482453	1.2065505		
DM03426P2	0.07236636	-1.1880283	1.0215466	-1.3622715		
DM10187P2	0.07238641	-1.7407866	-1.6091546	-1.698761		
DM00061P1	0.07242988	1.1195221	1.2435465	-1.0765471	LOC413877	XM_397316.3

DM06957P3	0.07244811	1.2676083	1.1722343	1.6052117		
DM00305P3	0.07245518	-1.0312754	-1.1524967	-1.2299601	NRX-IV	XM_001650696.1
DM04683P1	0.07251545	1.3120104	2.5920608	1.2868773		
DM06736P3	0.07251617	1.1507859	1.1373858	-1.1127561	PF13_0050	XM_001349786.1
DM01885P3	0.07253842	-1.1485922	1.0270215	1.1817358	LOC1000315	XM_001380757.1
DM01142P3	0.07254714	-1.2123008	-1.3371003	-1.303156	LOC552295	XM_624671.2
DM11614P1	0.07257224	1.0970824	1.0241033	1.345643		
DM07472P2	0.07259243	-1.0557891	1.0054723	-1.2222629		
DM14501P2	0.07260829	1.1677536	-1.2042181	1.1960107		
DM09650P2	0.07270826	1.2249273	1.0779164	1.0824273		
DM14943P1	0.07272771	1.0015599	-1.0223137	1.1622691		
DM14077P3	0.07291505	1.4304715	2.0059967	1.3511785		
DM05998P2	0.07296348	-1.1073201	-1.0848969	-1.3118312	LOC413669	XM_397110.3
DM05370P2	0.07299998	-1.1855528	-1.3392009	-1.1064585		
DM04457P3	0.07310385	1.4043288	1.7333694	-1.0332848		
DM07820P1	0.07310874	1.0924826	1.2455319	-1.0429815		
DM14727P1	0.07310966	1.0554086	1.1673738	1.0761049		
DM05053P1	0.07312624	1.0329295	1.0077825	1.3010043	LOC662470	XM_968562.2
DM12211P1	0.07320313	1.1134953	1.0928068	1.3483018		
DM06349P3	0.07327275	1.0274278	1.3853012	1.5171809		
DM00934P1	0.07329305	1.2781107	-1.3092887	-1.0892959	BRAFLDRAFT	XM_002605961.1
DM13072P1	0.07330544	1.0424123	1.146991	1.248916		
DM03175P2	0.07333654	1.4516877	1.444144	2.0810997		
DM00740P2	0.07346908	-1.3017076	-1.2102051	-1.1451994	AAEL_AAEL	LOC XM_001654924.1
DM08440P1	0.07356692	1.2139518	1.1593807	-1.048061		
DM12557P3	0.0736737	1.0114973	-1.1850574	-1.2868068		
DM06092P3	0.07373076	-1.1106821	1.0466843	-1.184381	LOC1002009	XM_002162465.1
DM11248P1	0.0737351	1.6394296	-1.6295819	2.3209083	E1012E08.TM	XM_001238744.1
DM07436P3	0.07374838	1.1668329	1.488331	-1.275966		
DM02964P2	0.07378643	1.12399	1.02782	1.2406001		
DM14186P3	0.07378731	-1.1152784	1.0311028	1.41095		
DM11493P2	0.07380846	1.006355	1.0273124	1.235217		
DM13704P2	0.07381257	1.0027016	1.1752174	1.2674987		
DM09003P3	0.07384556	-2.4119933	-1.290002	-7.4059324		
DM10617P1	0.07384932	-1.0291864	1.0364857	-1.1127027		
DM14642P2	0.07391216	-1.1924485	1.1071513	1.2319424		
DM12674P2	0.07393432	-1.0885665	1.5840125	-1.5880435		
DM05477P2	0.07408462	1.0095667	1.0407581	-1.2563745		
DM03940P4	0.07409746	1.1550183	1.3653113	1.4441358		
DM07302P1	0.07411428	1.0272275	-1.0102843	-1.1194117		
DM08608P3	0.07412767	-1.1693192	-1.3409916	-1.0348073		
DM05860P2	0.07417426	1.6280037	-1.9184034	1.7391286	LOC1001597	XM_001944692.1
DM03819P1	0.07424317	1.7085475	1.7107847	1.0782752		
DM08450P3	0.07431956	-1.126966	1.0341581	-1.0944364		
DM12621P2	0.07439261	1.5757531	1.3505635	1.3941981		
DM02246P2	0.0744089	-1.077823	1.0527931	-1.2201754	LOC408301	XM_391852.3
DM14549P1	0.07441691	-1.0512993	1.1748471	1.3271233		
DM13639P3	0.07449743	-1.265579	-1.1269867	-1.2483994		
DM08326P2	0.07452536	-1.1254735	-1.0169204	-1.1786734		
DM12391P3	0.07454388	-1.2142488	-1.1992956	-1.1293691		

DM01680P2	0.07455403	1.0258263	-1.0514499	-1.3823977	DWIL\GK250!	XM_002071555.1
DM02529P2	0.07455757	1.1437857	-1.0161226	-1.0262195	LOC1002261!	XM_002193330.1
DM07172P2	0.07458374	-1.0655886	-1.2624582	1.0151906		
DM11487P2	0.0745905	1.0895332	1.0395392	-1.2118185		
DM00988P3	0.07462959	-1.1441364	-1.2438136	-1.4138467	HSPD1	XM_001652304.1
DM02757P4	0.07464907	-1.1892514	-1.0069886	-1.0724628	EIF4E	NM_001095743.1
DM05824P1	0.07465036	1.464284	1.2822194	-1.3397545	NDEL1	XM_855504.1
DM03546P1	0.07468474	-1.041917	-1.4731882	-1.233802		
DM05369P3	0.0747185	-1.0084455	1.2870308	-1.5055052	NEMVEDRAFT	XM_001624696.1
DM10808P3	0.07472309	1.0837208	-1.4044474	-1.4210014		
DM09774P1	0.0747538	1.0871665	1.1051689	1.2557683		
DM10896P3	0.07480452	-1.454662	-1.2467037	-1.2431593		
DM07198P3	0.07482301	-1.0225847	1.0043788	-1.3139321		
DM14353P1	0.07489266	1.0342888	1.2030982	1.2042292		
DM10018P2	0.0749454	1.257936	1.371526	1.5437524		
DM06941P3	0.07498311	1.5757746	2.319545	1.2291485		
DM05685P1	0.07499138	1.001896	-1.1839569	-1.1916311		
DM08268P3	0.07510761	1.0718949	-1.4847215	-1.0861517		
DM13134P1	0.07512784	1.1224514	-1.0662923	-1.2885396		
DM01770P1	0.07513726	-1.2693722	-1.10092	1.0580267	LOC661302	XM_001814135.1
DM08115P3	0.07517481	-1.0877868	-2.0018744	3.1389434		
DM04226P2	0.07523302	1.224867	1.1411523	1.5680255		
DM05870P1	0.07523873	1.2068739	1.510462	1.3223231	DANA\GF166	XM_001954656.1
DM13053P1	0.07524221	-1.0079826	1.1466614	1.3426757		
DM02080P3	0.07526694	-1.1153927	-1.1066349	-1.2709126	TRIP1	XM_392780.3
DM01528P2	0.07527647	-1.1376932	-1.1650667	-1.3911439	NEMVEDRAFT	XM_001632257.1
DM04512P3	0.07530995	-1.2583885	-1.1848553	-1.3889384	DVIR\GJ2245	XM_002050975.1
DM02151P1	0.07536397	-1.3272086	-1.4238893	-1.2055546	DGRI\GH200!	XM_001987247.1
DM06355P2	0.07536785	1.1228946	1.2387507	1.3627441		
DM09031P1	0.07537168	1.4073057	1.5072566	1.6230211		
DM03074P4	0.07537621	-1.1971548	-1.147025	-1.2253255	DANA\GF156	XM_001962814.1
DM07490P1	0.07538848	-1.0138745	1.1737884	1.2919124	LOC1001362!	NM_001124521.1
DM00390P1	0.07552186	-1.0718713	-1.154834	-1.2193217	COPG2	XM_414981.2
DM13914P3	0.07556071	-1.2512774	1.1453925	1.2307998		
DM12756P4	0.07559156	1.0075244	1.0996419	1.292033		
DM05890P3	0.07565188	1.2310939	1.0419533	-1.3059721		
DM05287P3	0.07565911	-1.0408285	-1.028266	-1.3822988		
DM07051P3	0.07572757	-1.2752702	-1.3493469	1.4254187		
DM11593P2	0.07572996	-1.0814955	1.0792289	1.3770022		
DM08361P1	0.07575188	1.1250459	1.1849201	1.1300638		
DM02258P2	0.07578054	-1.097844	-1.0933355	-1.0122602	MGC84267	NM_001094273.1
DM09230P4	0.07579582	-1.0246481	-1.1345639	-1.1268355		
DM03082P1	0.0758271	-1.2925651	1.0432227	-1.3519601	LOC1000517:	XR_036026.2
DM04748P2	0.07584429	-1.3946863	-1.5314851	-1.3186573		
DM12563P3	0.07585104	1.0146185	1.1407413	1.130875	LOC1000177:	XM_001371154.1
DM09219P1	0.07589328	1.4370946	1.5662873	1.5717282		
DM11764P4	0.07589723	1.0173708	1.0809284	-1.230829		
DM10984P1	0.07590443	-1.248486	1.0425965	-1.3641583		
DM05411P3	0.07590898	1.0384829	1.0466709	-1.106921		
DM00222P2	0.07599639	-1.0430926	-1.0556642	-1.3446314	AGAP_AGAP0	XM_317781.4

DM11025P4	0.07613763	1.1094921	1.043418	-1.1496117	
DM00127P1	0.07621838	-1.0263093	1.1269968	-1.0258341	LOC1001686(XM_001950330.1
DM07125P3	0.07622646	-1.445914	-1.0306267	-1.1549591	
DM13379P4	0.07623981	-1.0792663	-1.2389071	1.2477179	
DM08922P1	0.07627244	-1.1550457	-1.061891	-1.2022227	
DM07574P1	0.07627556	-1.1760191	-1.0797633	-1.3578682	
DM14775P2	0.07628836	-1.2000418	-1.750107	1.0758872	
DM08544P1	0.07631508	-1.0042886	-1.1366277	1.6002355	
DM01992P1	0.07642727	-1.2809646	-1.2674937	1.0217651	LOC1002239 XM_002198611.1
DM03345P1	0.07645463	-1.0226495	-1.2689719	-1.3362583	
DM09138P1	0.07646556	1.1720691	-1.4109048	-1.6401707	
DM12572P1	0.07648105	-1.1521529	-1.000821	1.0669379	
DM07718P1	0.07652631	-1.0961264	1.0587339	1.2435223	
DM14285P1	0.07654035	-1.2400278	-1.0998435	-1.2393504	
DM07963P1	0.07654201	1.1767789	1.4322782	1.3186115	
DM14527P3	0.0765471	-1.0885509	-1.3842777	-1.1254064	
DM11429P3	0.07655501	1.1251415	1.2703487	1.2839053	
DM03576P4	0.07658135	-1.0498575	-1.3302953	-1.3152903	
DM10429P3	0.07660262	-1.1272591	-1.2624573	1.7531201	
DM01112P2	0.07660604	1.0176843	1.0293802	1.2655215	DSIM\GD176 XM_002076525.1
DM02852P3	0.07667253	-1.1326634	1.8001184	2.0715764	DSEC\GM149 XM_002042592.1
DM09221P1	0.07678203	-1.1480206	-1.1970236	-1.6183343	
DM03637P1	0.07682577	-1.0980158	1.0283289	-1.3557876	DGRI\GH110(XM_001988258.1
DM00782P1	0.07686224	-1.0657259	-1.262314	-1.4014901	LOC1000744 XM_001506404.1
DM11010P3	0.07688362	-1.108456	-1.2412695	-1.099817	CPIPJ_CPIJOC XM_001848769.1
DM07298P3	0.07688513	1.1883943	1.4847516	1.610777	
DM05827P3	0.07690561	-1.3724253	-1.4528985	-1.1941595	
DM14118P3	0.07690561	-1.4158252	-1.5144666	1.0958543	
DM10630P1	0.07709853	-1.2086021	-1.1652617	-1.3733871	
DM09743P4	0.07710668	1.1957526	1.207082	1.1649982	
DM06198P2	0.07711773	1.0597049	1.1593399	1.3645146	
DM05903P1	0.07712467	1.1126122	1.0572827	-1.1121265	SHRB XM_395324.3
DM03095P2	0.07713177	1.1456145	1.1545666	-1.275292	NFYC NM_001139789.1
DM07105P4	0.07714642	-1.0300943	1.2231417	-1.3083069	
DM00733P3	0.07719326	1.1203446	1.2105347	1.1884589	DYAK\GE154(XM_002101636.1
DM00361P1	0.07729226	-1.0353523	-1.1143901	1.1467531	DGRI\GH123(XM_001990889.1
DM04420P2	0.07732038	-1.095144	-2.1647663	-1.0145533	
DM12274P3	0.07732323	1.3071771	1.3320532	1.4497947	
DM00054P1	0.07735177	1.8219116	2.019344	1.5156013	
DM08954P2	0.07735701	1.065993	-1.1716586	-1.4184619	
DM12534P4	0.07737718	-1.3082762	-1.0997409	1.0972571	
DM09956P2	0.07738749	-1.1762178	-1.0607682	-1.6944858	
DM10047P3	0.07739928	1.0069482	1.001859	1.2348653	
DM04351P3	0.07740071	-1.0157118	1.0909117	-1.084779	
DM03939P3	0.07740802	1.227279	1.2194958	-1.0272261	
DM10135P1	0.07742465	-1.0438331	-1.1030704	-1.3873507	
DM11623P2	0.07745805	1.285208	1.2083962	-1.094659	
DM11055P3	0.07748862	1.2108307	1.2182603	1.1643096	
DM12152P3	0.07750826	-1.1465567	-1.1411501	-1.15726	
DM06010P3	0.07751035	-1.15616	-1.0479023	1.1191958	LOC1001011(NM_001099621.1

DM09764P4	0.07754196	-1.0862107	1.2102462	-1.0871645		
DM00653P1	0.07755993	1.2164539	-1.1648786	-1.3855683	DPER\GL210	XM_002023148.1
DM04828P3	0.07756527	8.056958	18.841953	1.0767858		
DM02139P1	0.07762145	1.2045883	-1.0075505	-1.0699325	DYAK\GE221	XM_002095060.1
DM14154P1	0.07763851	-1.2227471	1.0211535	1.2535075		
DM10973P2	0.07767633	1.0854105	1.1235834	-1.1034876		
DM00001P3	0.07768489	1.1190977	-1.3513374	1.2143611	DWIL\GK196	XM_002062799.1
DM02875P2	0.07771324	-1.205377	1.2891495	1.130141	LOC1001169	XM_001601275.1
DM13913P1	0.07781085	-1.111635	-1.3181473	1.1887236		
DM05676P1	0.07781458	-1.2500669	-1.015572	-1.2352916		
DM01433P3	0.0778327	-1.0265666	-1.1431375	-1.2392815	DERE\GG216	XM_001974250.1
DM12276P1	0.07783617	1.0389948	-1.0161185	-1.4271301		
DM11968P1	0.0779056	-1.0314286	1.010849	-1.1960442		
DM01817P1	0.07795783	-1.0394074	-1.1384717	1.4292285	ACT57B	NM_079076.3
DM02028P3	0.07797133	-1.0617043	-1.2246568	-1.1753004	AIFM1	NM_001017244.2
DM05965P2	0.07798422	-1.2587849	-1.2657425	-1.2264956		
DM12662P1	0.07798637	1.3745042	1.451659	1.3252438		
DM14831P4	0.07806537	-1.0469228	-1.3904285	1.1056057	DWIL\GK127	XM_002068150.1
DM14370P2	0.07816334	-1.2002755	1.0232556	1.1011014		
DM06977P1	0.07819178	-1.0218107	-1.5059247	1.2774882		
DM08677P3	0.07820521	1.3371747	1.3356354	1.1053665		
DM14345P3	0.07823956	-1.3674614	-1.3000096	-1.0033275		
DM00641P1	0.07827219	1.1033646	-1.3230621	1.0464422	LOC1001647	XM_001946377.1
DM07104P1	0.07831867	-1.1304386	-2.0176027	2.2008612		
DM05461P1	0.07839112	1.1769612	-1.329713	-1.0897866		
DM06648P4	0.07842816	-1.019317	1.0975587	1.5810822		
DM12596P2	0.07844912	1.1855762	1.150512	1.195664		
DM04577P1	0.07848778	-1.051676	-1.2721957	1.1554874		
DM14984P1	0.07854261	-1.1104982	-1.0341719	1.28763		
DM07604P2	0.07856679	2.7161212	5.200465	2.8349257		
DM07052P1	0.07863088	-1.1720762	-1.3497955	1.2410297		
DM05738P2	0.07868785	-1.1065029	1.2166194	1.3185811		
DM111135P1	0.07869135	1.0581328	-1.4343662	1.3427172		
DM15163P2	0.07871212	1.6252487	-1.7889543	2.885132		
DM12264P3	0.07873934	-1.0965947	1.0485884	1.0856519		
DM10357P1	0.07876671	-1.4296488	-1.4498607	-1.2809329		
DM12758P3	0.07879632	1.071598	1.5923237	1.8597846		
DM05464P1	0.07882609	-1.1070906	1.0767007	-1.4737961		
DM08496P1	0.07884823	-1.167612	-1.1268673	-1.3586196		
DM14175P3	0.07890181	-1.1428171	-1.1363398	1.2017496		
DM03731P1	0.07890227	1.179564	-1.1561017	1.3139564	LOC655107	XM_961618.2
DM07912P1	0.07891116	-1.2225038	-1.0793401	1.0910293		
DM03717P1	0.0789406	-1.0062487	1.132671	1.1342794	UBE2M	NM_001093496.1
DM03224P2	0.07895662	-1.0250219	1.1764636	-1.128404	LOC1001222	XM_001605770.1
DM15116P2	0.07899445	1.1516438	-1.4499397	1.6359035		
DM03908P4	0.07900292	-1.031849	1.0283041	-1.1892352		
DM08229P4	0.07906503	-1.0692798	1.028186	-1.3290912		
DM01554P2	0.07906757	1.1565537	1.0036733	-1.0882211		
DM01901P4	0.07911316	-1.1731952	-1.2200567	-1.252109	NEMVEDRAFT	XM_001628947.1
DM09502P3	0.07913831	1.1272082	-1.4964222	1.2538972		

DM01105P3	0.07918114	1.1137911	1.0602244	-1.0343868	LOC660507	XM_966734.1
DM05729P1	0.07918968	1.0952787	1.1572554	-1.22966		
DM08515P2	0.07921749	-1.306987	-1.0465683	1.1704597		
DM14609P1	0.0792332	-1.1027045	-1.1084173	1.347515		
DM12169P1	0.07927077	-1.1291429	-1.3123122	-1.5569792		
DM10505P2	0.07927389	1.1421838	1.2147529	1.0075917		
DM05132P3	0.07927575	1.2788237	1.2537693	1.2128116		
DM10994P1	0.07928514	1.0900159	-1.0204536	-1.1853637		
DM09559P1	0.07937633	-1.2412891	-1.1544915	1.0783153		
DM08750P3	0.07939704	-1.1052661	-1.0045419	-1.1321931		
DM10666P2	0.07942232	1.318932	1.2061595	1.3511779		
DM02209P2	0.07949047	1.0167953	-1.0656089	-1.3088804	TRIADDRAFT	XM_002108999.1
DM05280P3	0.07952071	-1.1529171	1.2451265	1.731869		
DM02220P3	0.07953204	1.0665435	-1.0016657	-1.1629068	CG3590	NM_142329.3
DM07676P1	0.07954484	1.0008483	1.2666359	1.2581935		
DM10091P3	0.07954545	-1.1857666	1.2130753	1.0812458		
DM05410P3	0.07960282	-1.135475	-1.2597206	1.7031484		
DM02530P3	0.07963169	1.131526	1.0756875	-1.1975787	LOC1000884	XM_001518050.1
DM14554P1	0.07966656	-1.0544032	-1.0105736	1.0664238		
DM15289P2	0.07978673	-1.1310852	-1.440723	1.3688124		
DM06535P1	0.07987282	1.1033341	1.0358804	1.09961		
DM13162P3	0.07990344	-1.0662366	1.0666485	1.1782956		
DM13118P1	0.07990501	1.0842566	1.7619053	1.0849472		
DM10768P3	0.07992108	-1.0111996	-1.0130643	-1.2369547	DGRI\GH169	XM_001985222.1
DM11111P2	0.07995772	1.2101915	1.0917492	1.3451031		
DM06286P1	0.07996248	1.0438224	-1.1208762	-1.0072864	OTUD3	NM_212922.1
DM11601P2	0.08005212	-1.1743886	-1.0421975	-1.2635063		
DM06083P3	0.080143	-1.2046156	-1.1733896	-1.0201193		
DM00609P1	0.08014624	-1.0110532	-1.146509	-1.1574147	LOC1000089	NM_001082172.1
DM06523P3	0.08015529	-1.5643045	-1.2233769	1.5404431	GUA1	XM_001701936.1
DM13642P1	0.08024061	-1.251445	-1.1206547	1.1058166		
DM07823P3	0.08024223	-1.064494	1.0907247	-1.2074891		
DM03902P4	0.08025805	1.1129805	-1.080637	-1.1065899		
DM00196P3	0.08028502	1.0798829	-1.0281996	-1.1191143	CAPN7	NM_001135108.1
DM14351P2	0.08030918	-1.1384223	1.0215156	-1.263535		
DM00849P4	0.08031432	-1.1870065	1.0487528	-1.1098412		
DM00306P4	0.0803205	-1.0090914	-1.0319079	-1.228244	LOC1002186	XM_002189073.1
DM10704P2	0.08032935	-1.0136212	1.1875191	1.131652		
DM10576P2	0.08033554	-1.3349979	1.0227624	-1.9763544		
DM08910P1	0.08043492	-1.2989738	-1.1838909	-1.032935		
DM08919P2	0.08047071	1.0659261	-1.303617	-1.0701021		
DM00660P3	0.0805062	-1.1712914	-1.4392487	-1.4285249	PGM1	NM_001086703.1
DM08137P3	0.08058373	1.3766097	2.138743	1.4168478		
DM10797P3	0.08060102	-1.1146636	1.0527372	-1.2034149		
DM07902P1	0.08062621	1.0364577	1.0983295	1.8015578		
DM08907P2	0.08065555	-1.6708487	1.033508	-8.204917		
DM02851P1	0.08069331	1.3488157	-1.2664157	2.067401		
DM04846P3	0.08072272	1.2568716	1.2476708	1.3464806	DGRI\GH136	XM_001993025.1
DM04876P2	0.08073383	1.2960265	-2.2398746	-1.2587907		
DM01407P1	0.08076904	-1.1316998	-1.1450685	-1.1548911	DKC1	XM_002131836.1



DM04542P1	0.0808009	-1.0174996	1.21106	-1.0727246	LOC724261	XM_001120053.1
DM05609P1	0.08081123	-1.1154789	-1.4695591	-1.2729628	LOC661567	XM_967718.2
DM08357P1	0.08083619	1.5134462	1.4143394	1.6245267		
DM06805P2	0.08090571	1.0335813	1.1355715	1.2463073		
DM03497P2	0.08092232	-1.1296188	-1.1630063	-1.4460042		
DM15341P1	0.08096694	-1.2325336	-1.1293442	-1.0928012		
DM02307P1	0.08100615	1.1461949	-1.2803073	-1.1127195	DANA\GF207	XM_001964286.1
DM09427P3	0.0810507	1.1317729	1.2436756	1.3672944		
DM111170P1	0.08106539	-1.1048343	1.0969415	-1.240366		
DM01764P3	0.08121765	-1.0060533	1.2310717	-1.0846056	ZGC:109885	NM_131263.1
DM11790P4	0.08123833	1.1006535	1.1077429	1.1223412		
DM08299P4	0.08127516	1.2384411	1.3603891	1.3033663		
DM03890P1	0.08128405	-1.1205468	-1.0615344	-1.354993		
DM05466P1	0.08133752	-1.1585776	-1.0268472	-1.2087297	LOC1002071	XM_002158152.1
DM01286P3	0.08134372	1.025425	1.2013366	1.3565186	M18.6	NM_069899.2
DM02679P3	0.08141068	-1.4292043	-1.185793	-1.0445588		
DM09706P1	0.08152607	1.013888	1.0958749	1.2677687		
DM01459P2	0.08153673	-1.1352754	-1.2277225	-1.0460308	CPIPJ_CPIJOC	XM_001843985.1
DM12339P2	0.08154305	-1.1366036	1.0010136	1.0915793	LOC1000186	XM_001367242.1
DM13207P3	0.08161403	-1.4678351	-1.0550095	1.0422149		
DM14647P4	0.08164313	-1.0475279	1.2172508	1.3813776		
DM10219P1	0.08173508	1.0033066	-2.0296977	-1.3699113		
DM12762P3	0.08178687	1.0537053	1.0314204	-1.1747177	AAEL_AAEL0C	XM_001657816.1
DM08646P1	0.08183971	1.0413594	1.0889754	-1.1482477		
DM10564P3	0.08190435	-1.135892	1.037889	1.4976948		
DM06556P1	0.08198966	1.2288418	-1.1475612	1.1083927		
DM13620P3	0.08201605	1.1173049	1.3504688	-1.1810625		
DM14206P3	0.08201845	-1.039247	1.0517675	1.251776		
DM07829P4	0.0820504	-1.1074252	1.0197088	1.2280939		
DM04762P3	0.08210306	1.29785	-1.4979537	2.5632231		
DM11856P1	0.08210556	-1.0922506	-1.0006545	1.0855985		
DM00652P2	0.08217182	1.0910577	-1.0534457	1.2595371	TLN1	NM_001009560.1
DM10300P2	0.08221669	1.0702798	-1.140824	1.3027498		
DM08557P1	0.08224309	1.1304197	1.2767204	-1.2505677		
DM09211P1	0.08228511	-1.3019849	1.3052391	-1.8947366	NEMVEDRAFT	XM_001641195.1
DM05012P1	0.08232591	1.2401906	-1.1713175	-1.0155356		
DM04761P2	0.08236924	-1.1228559	-1.1876676	-1.3825881	DERE\GG137	XM_001972662.1
DM11412P3	0.08240264	1.01529	-1.0887351	-1.1224519		
DM09741P2	0.08245666	1.1481761	2.2299159	1.0581157		
DM10227P2	0.0825105	-1.1433464	1.1758628	-1.0034583		
DM03670P3	0.08270656	-1.2763567	-1.06231	-1.3030915	EIF3E	NM_001568.2
DM01887P1	0.08272052	1.049635	-1.1160185	1.1654164	NS1BP	XM_001866991.1
DM10486P4	0.08273523	1.9654707	1.8547813	1.6122054		
DM09877P2	0.08280368	1.0066895	-1.2619249	-1.410833		
DM10142P2	0.08280454	-1.6633716	-1.6138724	-1.0915196		
DM09575P2	0.08286034	-1.122882	-1.1309813	-1.148858		
DM02890P1	0.08292452	-1.2446434	1.1227354	1.5023685		
DM14459P1	0.08295762	-1.5013878	1.1737037	1.1667796		
DM07455P3	0.08302654	-1.1366433	-1.0339301	-1.0851023		
DM05087P4	0.08305913	1.1470945	1.0586697	-1.1627373		

DM08423P1	0.08306172	-1.0002533	1.0306312	1.187178	
DM04581P1	0.08311152	-1.0284718	-1.1450583	1.184106	
DM08094P1	0.08312316	1.0485929	-1.0816243	1.9321043	
DM04715P3	0.08315805	1.0192108	1.1237223	1.0735958	
DM15082P1	0.08323472	1.0869094	1.2841191	-1.0672561	
DM09561P4	0.08325151	3.986683	9.973929	1.411302	
DM03516P2	0.08331724	-1.0558031	1.1287444	-1.0508395	BC1G_01842 XM_001559636.1
DM07262P1	0.08333376	1.0253453	1.1327671	1.2038465	
DM11594P3	0.08334386	1.0211112	1.1459184	-1.3630233	
DM03402P1	0.08335927	-1.0535719	-1.1368303	-1.1801976	
DM13490P1	0.0834368	1.0445518	-1.1644615	1.3766718	
DM04116P2	0.08345935	-1.2786939	-1.0151138	1.1129192	
DM14859P3	0.08350161	1.1150134	-1.5349414	1.020348	
DM02950P1	0.08350356	-1.1312209	1.013817	-1.0979257	DVIR\GJ1808 XM_002057432.1
DM03503P1	0.08351557	-1.0945168	-1.4051518	-1.0551673	
DM05626P1	0.08360281	-1.192073	-1.0745347	-1.2381221	
DM09990P1	0.08362372	1.0390505	-1.276561	1.0469791	
DM07429P2	0.08372683	-1.0973787	1.0159465	1.3958983	
DM10016P2	0.083766	2.0208647	1.386532	1.3361546	
DM05587P2	0.08383384	1.2911971	-1.4456332	1.0316727	
DM03403P1	0.08384862	-1.2019937	-1.0557352	1.2685627	SJAG_00451 XM_002171694.1
DM00172P1	0.0838667	-1.07455	1.1680454	1.0886292	LOC579284 XM_779407.2
DM05457P3	0.08389103	-1.1843368	-1.0155172	-1.1292269	
DM03458P2	0.08395598	-1.274887	-1.2878265	1.0315456	
DM05775P3	0.08401476	1.5198967	1.208453	1.052472	
DM01144P1	0.08407978	1.0397072	-1.0097449	-1.1317606	
DM14621P1	0.08408941	-1.0794301	-1.8067915	3.2460477	
DM07523P1	0.08409796	-1.1369543	1.2544304	-1.2045834	
DM01905P2	0.08410461	-1.0285327	-1.160844	-1.2528338	EF-TU XM_001659276.1
DM01841P4	0.08413657	-1.0175704	-1.0868791	-1.3356031	LOC664315 XM_970322.2
DM09035P1	0.08414801	1.1475611	-1.0650151	-1.0945679	
DM03241P2	0.08416587	1.10281	1.1198666	-1.0616019	DANA\GF219\XM_001966424.1
DM14887P2	0.08426097	-1.1251202	-1.0387592	1.1582783	
DM02201P3	0.08429795	-1.1722529	-1.1022071	1.1117543	LOC1001628(XM_001950112.1
DM09395P2	0.08430357	-1.2584676	1.061124	-1.0629541	
DM02668P2	0.08431715	1.0081509	-1.0604372	-1.210797	LOC589713 XM_001178070.1
DM08687P2	0.08436075	1.1355375	1.3560573	1.0779631	
DM06948P1	0.08437472	-1.2366519	-1.208427	-1.2270403	
DM09685P3	0.08439492	-1.1934688	-1.433643	-1.1858083	
DM11559P2	0.08441731	-1.0187612	-2.2730958	-1.084018	
DM11382P3	0.08452652	-1.1129514	-1.0160447	1.3961165	
DM03381P3	0.08456502	1.001793	-1.298543	-1.0787767	
DM13383P1	0.08466947	-1.1302402	-1.1514735	1.0127616	
DM06308P3	0.08466969	1.201135	1.0856882	-1.0053229	
DM07195P1	0.084679	-1.0014346	-1.1792802	-1.2450746	
DM04969P1	0.08468507	1.1510102	-1.4158263	1.1349956	
DM03677P3	0.08471103	-1.2315289	-1.0768083	-1.1289968	DSEC\GM222 XM_002040608.1
DM13200P2	0.08473184	-1.0870941	1.0010074	1.231632	
DM12514P1	0.08474411	2.0008168	4.158694	2.1413295	
DM14946P1	0.08486027	-1.0222588	1.049731	-1.1103907	

DM12638P1	0.08489175	-1.1734414	1.0507348	1.0807245		
DM05665P2	0.08489636	-1.1245698	1.0641118	-1.0265243		
DM09157P1	0.08494043	-1.1906917	-1.0988859	-1.4217616		
DM09452P3	0.08494218	-1.632104	-1.1601733	-2.4113786		
DM11866P4	0.0850061	1.0144541	-1.0223007	-1.2749324		
DM12344P3	0.08502641	1.9140481	1.6063706	2.043825		
DM10764P3	0.08506867	1.0361949	-1.0929483	-1.0878279		
DM09591P3	0.08508422	1.187593	1.4715233	1.4035047		
DM01878P3	0.08509719	1.1179712	1.2373326	1.0904578		
DM11828P1	0.08524771	1.040687	-1.0723516	-1.1976035		
DM03282P3	0.08527871	1.3451563	1.0716137	1.0130935		
DM13193P1	0.08530371	-1.1302645	-1.0124079	-1.0551392	LOC409531	XM_393037.3
DM06633P1	0.08534536	1.053662	-1.0755427	-1.0571474	FG02030.1	XM_382206.1
DM09155P1	0.08547747	-1.0013268	1.5648515	-1.0422914		
DM07901P3	0.08550788	-1.0838257	1.0135368	1.2612356		
DM14405P1	0.08552781	-1.4849255	-1.0039502	-1.2016486		
DM06158P4	0.0855458	-1.3648051	-1.2122937	-1.2575585		
DM01005P2	0.08562981	1.9281772	1.1259677	1.0377995	RPL13A	XM_001692857.1
DM04586P1	0.08565032	1.0659024	-1.0455853	-1.105355		
DM02612P1	0.08566269	-1.0461708	-1.0067142	-1.2174788	DANA\GF165	XM_001954753.1
DM08860P1	0.08568984	1.0024722	-1.2045763	1.6394731		
DM04454P3	0.08570897	1.5042472	-1.3080714	1.304222	PC108343.00	XM_738759.1
DM02496P3	0.08574088	1.698415	1.9399968	1.1380956	BRAFLDRAFT	XM_002602063.1
DM09616P1	0.08574614	-1.0118941	1.4992139	1.2479497		
DM04175P3	0.08574829	-1.4738688	-1.0429178	1.1009543	LOC797456	XM_001337881.2
DM14133P3	0.08580623	-1.331953	1.0444901	-1.1252694		
DM08204P1	0.085875	1.015634	1.0272777	-1.506924		
DM03393P2	0.08593843	1.1752863	1.1920991	-1.5893208		
DM04204P2	0.08596814	-1.0506898	-1.0929707	-1.1840798	TUB	XM_001560987.1
DM11535P2	0.08596881	1.1462094	1.0189376	1.2533602		
DM02592P4	0.08597457	-1.0347719	-1.204107	-1.0150104	RAB5C	NM_001034743.2
DM01095P1	0.08598344	-1.09078	-1.1736021	-1.2059736		
DM11432P2	0.0860181	-1.1199034	1.1209191	1.3758174		
DM02317P1	0.08605249	-1.1192695	-1.072743	-1.239569	DERE\GG249	XM_001980945.1
DM08433P1	0.08607718	-1.3962698	-1.2988932	-1.0060357		
DM14819P1	0.08609445	1.2538471	1.0136371	2.3386552		
DM02621P1	0.08611821	-1.1261716	-1.173445	-1.1731694		
DM00317P1	0.08615568	1.0155946	-1.1551051	-1.1709462	DANA\GF214	XM_001964126.1
DM11515P1	0.08621096	1.1659873	1.4728965	1.1267686		
DM04085P3	0.08621746	1.2682931	1.3960544	1.2861053		
DM05698P1	0.08624247	1.1482952	-1.1988049	-1.2106881		
DM01074P1	0.08624981	-1.0223734	-1.1287739	-1.0742487	TXNRD1	NM_001122673.1
DM03566P1	0.08625053	1.1430389	-1.0160998	1.3428159		
DM08696P1	0.08627927	-2.0032861	-2.0008225	-1.2951156		
DM12022P1	0.0863355	1.288187	1.4603513	1.0980511		
DM12283P2	0.08638585	1.2715286	1.0526816	-1.1086725		
DM12704P1	0.08644109	1.1761986	-1.2575259	1.850595	COL-43	NM_072673.5
DM01091P3	0.08660621	-1.173141	-1.1758927	-1.1857731		
DM14251P3	0.0867677	1.0341458	-1.0219252	-1.1541917		
DM12791P1	0.08680043	-1.4468377	-1.6756802	-1.0763701		

DM02130P4	0.08687657	-1.1666552	1.1487879	-1.0386199	DMOJ\GI237\XM_001998158.1
DM05591P1	0.08688115	-1.1800154	1.1265912	-1.0099101	
DM02456P2	0.08697084	-1.0213882	-1.2770681	-1.2524534	DSIM\GD219\XM_002079627.1
DM00168P2	0.08697727	-1.1478151	-1.1723443	-1.1491269	ARD1A NM_001135839.1
DM07255P3	0.08702609	1.0247008	-1.2055928	1.0237737	
DM08378P2	0.0871057	1.0996817	1.1093352	1.2696601	
DM01119P1	0.08716954	-1.2303628	-1.076015	-1.0128393	LOC583647 XM_783549.2
DM03479P2	0.08718099	-1.0350761	-1.1218209	1.4522538	
DM11907P2	0.08719562	1.2442812	1.1226029	1.2893094	
DM12664P3	0.08725442	1.0715523	1.0352463	-1.102376	
DM07142P3	0.0873192	1.0985522	-1.1446599	-1.2264848	
DM02328P2	0.08733212	-1.1993123	-1.4512278	-1.1822443	LOC585200 XM_785035.2
DM09626P3	0.08734942	-1.1950911	-1.2861236	-1.5090162	
DM11056P1	0.08749455	1.2008251	1.4916208	1.2040484	
DM03242P2	0.08753072	1.1161973	-1.144083	-1.1163125	GK2 NM_001097398.1
DM12269P3	0.08755419	1.3189856	1.226388	1.1431797	
DM11084P2	0.08759618	-1.1414492	-1.063722	1.0854809	LOC664076 XM_970093.1
DM05344P4	0.08762878	-1.4702903	1.1697475	-10.653737	
DM01309P2	0.08764923	-1.4363314	-1.3006846	-1.2966504	LOC1002125\XM_002162205.1
DM14830P2	0.08769965	-1.1791272	-1.2186172	1.0859618	
DM09962P1	0.0877138	-1.2112781	-1.0721703	1.038988	
DM09188P2	0.08774131	-1.193689	-1.0932741	1.184562	
DM15095P1	0.08778857	-1.0515041	-1.3021221	1.2563541	
DM01972P4	0.08785994	-1.0406188	-1.2074726	-1.3687508	DPSE\GA163\XM_001356481.2
DM07446P4	0.08792689	-1.2341096	-1.3092996	-1.1158911	
DM01062P1	0.08794181	1.0696036	1.0587038	-1.101055	LOC551846 XM_624231.2
DM07554P1	0.08796813	1.1128215	1.050652	1.2695781	
DM01623P1	0.08803815	1.2574403	1.267054	1.279273	LOC656087 XM_962638.2
DM03079P3	0.08810834	1.1004	-1.2391722	-1.1245332	SVOP XM_001861477.1
DM00080P3	0.08814818	-1.1781111	-1.0880157	-1.1757346	LOC692971 NM_001046810.1
DM03200P1	0.08819052	1.128332	-1.0473195	1.0120641	LOC733134 NM_001047081.1
DM00826P3	0.08821503	1.0576952	-1.0210272	-1.0867994	SPTLC2 XM_001491996.2
DM05918P1	0.08821956	-1.0327965	-1.3534333	-1.2638923	
DM08281P2	0.08822041	-1.1399026	1.0955998	1.3153093	
DM07961P1	0.08823554	1.8505647	1.0699592	-1.0228195	
DM07986P1	0.08827072	-1.0461761	1.1330534	1.388927	
DM00411P1	0.08827689	-1.0515456	-1.1427543	-1.3682572	DWIL\GK163\XM_002067312.1
DM03946P3	0.08831741	1.0505346	1.0690899	-1.231973	
DM03357P1	0.08834887	1.2104938	1.226334	1.503346	
DM12773P2	0.08838284	-1.0384765	1.0323262	-1.3468392	
DM11335P2	0.08843032	-1.0919998	1.0815003	-1.0312352	
DM10348P2	0.08845478	1.0417837	-1.1814382	1.1599766	
DM13932P1	0.08855501	-1.1188456	-1.1088386	1.103831	
DM07000P2	0.08865874	3.4935174	9.121397	2.6070373	
DM04513P4	0.08872466	1.2273846	-1.0102472	-1.056137	
DM08478P1	0.08872574	-1.0903218	1.1736423	-1.1434095	
DM05618P3	0.0887584	1.2408652	-1.7141138	-1.0926634	
DM04614P1	0.08893938	1.3388884	1.5504981	1.3365656	
DM04857P2	0.08897559	-1.0373222	-1.198061	1.3752931	
DM12446P3	0.0889947	-1.0848776	1.0067234	-1.2169131	

DM09932P4	0.08902465	1.0974417	1.3111373	1.0085859		
DM00356P2	0.08903309	-1.0524629	-1.0050796	-1.2106727	PPP2R1A	NM_204074.1
DM12542P2	0.0890485	1.4300966	1.1924366	1.3380039		
DM04702P3	0.08911483	-1.2340492	-1.2071983	-1.3679527		
DM09008P3	0.08916052	1.2833873	-1.2007339	-1.5395646		
DM14024P2	0.08917373	1.0822878	1.0395595	1.6367453		
DM02836P4	0.08919241	1.1236962	1.1852558	-1.2026922	DSIM\GD243	XM_002105713.1
DM06617P3	0.08924557	1.1484138	-1.0487207	1.7390226		
DM01203P3	0.08926049	-1.0039645	-1.3603513	1.0430954	P4HA1	XM_001867708.1
DM06189P3	0.08926209	-1.1740389	-1.2039131	-1.0249687	TRIADDRAFT	XM_002110486.1
DM03591P1	0.08926581	1.3694999	-1.9957321	3.0926507		
DM04103P2	0.08927444	-1.038447	-1.3251305	1.0430014	ISCW_ISCWC	XM_002416321.1
DM05606P2	0.08932599	-1.1836188	-1.0682005	-1.1621162		
DM13546P2	0.0893459	1.2877396	1.1789237	1.1982343		
DM11218P2	0.08938053	1.1558325	1.8816313	2.122606		
DM13557P2	0.08942209	1.0134884	1.2310507	1.0118151		
DM05492P2	0.08956484	-1.1562136	-1.3214453	-1.7554648		
DM01054P3	0.08956702	-1.091709	1.0212402	-1.2189412	LOC552458	XM_624833.1
DM09100P2	0.08959088	1.0353646	1.2021788	1.0560212		
DM11120P1	0.08966707	1.2144033	1.2525041	1.0452737		
DM05869P2	0.08968762	1.1763102	1.2669748	1.301075	LOC552800	XM_625175.2
DM01668P1	0.08968929	-1.0370162	1.0789541	1.3290012	LOC1001205	XM_001604106.1
DM05345P2	0.08974166	1.0922991	-1.3235607	1.3178178		
DM03325P2	0.08978836	1.0995487	1.2374625	-1.0080901	LOC732920	NM_001046920.1
DM03884P1	0.08981933	-1.0435022	-1.0996677	-1.2075741	DWIL\GK163	XM_002067218.1
DM09063P3	0.08992083	-1.05309	1.0980613	-1.2273521		
DM04714P1	0.0899721	1.2597132	-1.1536531	-1.9164962		
DM07616P3	0.08997222	1.271612	-1.1686465	1.892037		
DM07949P1	0.09001758	-1.0315517	-1.3022203	-1.0777748		
DM13113P1	0.09004304	1.0122184	1.0279024	-1.1615117		
DM05812P2	0.0900965	1.6324024	1.3635223	-1.4666789		
DM06755P1	0.09010969	-1.0127769	1.0851551	-1.2781873		
DM04422P2	0.09017247	1.0261668	1.0967041	-1.1599098		
DM10184P1	0.09028549	1.0864056	1.1603385	1.1505592		
DM00485P1	0.09029149	1.0001647	1.0651119	1.2828852	LIAS	XM_536255.2
DM03848P3	0.09038719	1.0548704	1.0628893	-1.2062726		
DM03624P2	0.09042654	-1.0489331	-1.4008416	1.4626564		
DM04609P3	0.09050228	-1.0397956	1.0352584	-1.186215		
DM06561P1	0.0905404	1.9795183	-1.4603258	2.6585248	NEMVEDRAFT	XM_001624987.1
DM04182P3	0.09068641	1.0575302	1.0061637	-1.1804209		
DM13367P4	0.09068873	-1.1085811	1.2954165	-1.0896344		
DM05260P3	0.09088153	-1.1221119	-1.1314178	-1.3332344		
DM14524P3	0.0909051	1.7915417	1.0356833	1.3109634		
DM07839P4	0.09095898	-1.1840549	-1.0950611	-1.0013405		
DM03511P3	0.09096171	5.7857046	11.622188	2.3068032		
DM11325P2	0.09097519	1.1647873	1.6386098	1.835077		
DM07591P1	0.09099912	1.6280745	5.1784005	-1.2883793		
DM09667P3	0.09102114	1.1616421	1.6478835	1.3616722		
DM05245P2	0.09102277	-1.1988189	-1.0696571	-1.2678317		
DM12921P3	0.09105206	1.0033224	1.1124225	1.2048466		

DM05076P1	0.09115086	1.0275433	-1.1188574	-1.1967559		
DM02936P3	0.09115301	-1.0593381	1.109323	1.3761947	ARR	XM_001663682.1
DM11360P3	0.09116796	1.0617132	-1.2579685	-1.0040654	AGAP_AGAP0	XM_313700.4
DM02538P1	0.09120771	-1.1439227	-1.3492426	-1.0844723	SPTB	XM_001846806.1
DM10051P1	0.09122186	-1.181136	-1.1893612	-1.3225884		
DM14252P1	0.09122209	1.0437025	1.2105293	1.2351543		
DM09911P3	0.09125418	1.1811255	-1.4174781	1.4637958		
DM08613P1	0.09128283	1.1532985	1.1958151	1.2791466		
DM09481P1	0.09129319	-1.101126	1.0290903	-1.339775		
DM08868P3	0.0913066	-1.0746444	-2.2855165	-1.1245745		
DM10940P1	0.09131441	-1.3314276	-1.2737868	1.0339943		
DM05042P2	0.09134027	1.5977236	1.4273157	2.3357618		
DM06222P4	0.09139694	1.0109028	-1.0980551	-1.2525357		
DM00100P3	0.09140032	-1.1117835	-1.010566	1.2252887	DVIR\GJ1651	XM_002057108.1
DM11262P2	0.09141845	-1.0046246	1.0228366	-1.3069718		
DM11541P1	0.09146167	1.0863516	1.1239588	-1.0056602		
DM08234P1	0.09152389	-1.1896528	-1.2938851	1.0210308		
DM12047P3	0.09156703	-1.2838119	-1.1108432	-1.1093153		
DM00435P2	0.09168588	1.0800205	-1.1413634	-1.0897	PDH	XM_001650646.1
DM09146P4	0.09170885	-1.1265249	-1.0844489	1.1617358		
DM09168P3	0.09171867	1.1952307	-1.4907582	-1.1213151		
DM11117P1	0.09172317	1.0878237	1.067749	1.537958		
DM10329P3	0.09177799	1.0062809	-1.2991085	-1.4686191		
DM00089P3	0.09180766	1.3295431	1.5828192	1.3181976	LOC1000140	XM_001368331.1
DM02479P2	0.09185296	-1.0956285	1.0689741	-1.0703053	RQCD1	XM_847959.1
DM07904P3	0.09190179	-1.3065687	-1.1925244	-1.2153853		
DM11314P3	0.09192136	1.1512735	1.1073549	1.542556		
DM13402P1	0.09196366	1.0246737	1.0974313	-1.1760684		
DM10553P1	0.0919989	1.203112	1.2227585	1.1381304		
DM10137P2	0.09201314	1.1097542	1.2504294	-1.1305028		
DM12581P1	0.09203578	1.3477436	1.5503143	1.1756642		
DM11378P4	0.09215864	1.3063897	1.5927857	1.4669672		
DM13912P1	0.09218195	1.8519316	2.3728504	1.5342532		
DM10479P4	0.09219528	1.1125665	1.7534175	1.7084519		
DM02302P1	0.0922008	-1.1992027	-1.1281707	1.1168487	LOC581514	XM_001191975.1
DM00599P3	0.09224045	1.1527262	1.3298286	1.214586	LOC1000566	XM_001490332.2
DM00469P1	0.09224362	-2.7250354	-3.0049381	-1.6583213		
DM03595P3	0.0922703	1.3928478	1.4585537	1.1984832		
DM14953P1	0.09227847	-1.1064382	-1.0398728	1.2448525		
DM01802P4	0.09229263	-1.1477612	1.0066855	-1.1865851	LOC1001696	XM_001948468.1
DM02107P3	0.09242266	-1.07263	-1.0223347	-1.248151	DLAT	XM_856954.1
DM00801P2	0.09245027	-1.0316716	1.0698622	-1.2068022		
DM09209P4	0.09248276	1.034498	1.2112008	1.0407913		
DM13967P3	0.09253854	-1.2964019	-1.2368882	-1.1433184		
DM00376P1	0.09262876	1.0328791	-1.1940387	-1.1765327	DVIR\GJ2223	XM_002050551.1
DM10163P3	0.09266526	-1.0313767	1.104055	1.2730584		
DM04205P1	0.09266679	-1.1143014	-1.0243474	-1.1627775		
DM08885P1	0.09268159	-1.1973495	-1.0972571	1.2002288		
DM09057P2	0.09270584	-1.055637	1.0928574	-1.1351757	DYAK\GE103	XM_002098441.1
DM06213P2	0.09279383	1.098272	-1.242743	1.2582922	SPH19	XM_392038.3

DM00491P2	0.09279761	-1.0959045	1.0114074	-1.1520988	DSEC\GM190	XM_002040234.1
DM14839P2	0.09279902	-1.004898	-1.5376874	-1.3222367		
DM10449P2	0.09282885	1.2326103	1.221473	1.0296364		
DM00602P1	0.09285034	1.1240709	-1.0046055	1.2172601	MXD1	NM_001039310.1
DM09199P1	0.0928868	-1.0672548	-1.018227	-1.3150873		
DM09765P1	0.0929079	-1.0165666	1.060883	-1.3343661		
DM05059P3	0.09291605	1.016643	-1.0343745	1.1747811		
DM08600P2	0.09293012	1.0014776	1.0603548	1.3588226		
DM13438P1	0.09295116	-1.0667825	1.1697415	1.1243112		
DM07985P2	0.09298966	-1.1455603	-1.054941	-1.0957167		
DM10634P2	0.09299894	1.5536957	-3.0272777	2.4410641	CG14191	NM_133118.2
DM11107P2	0.09299918	1.3385941	2.0349479	1.6205916		
DM07830P3	0.09300522	-1.0088295	1.0281577	1.2114749		
DM06587P3	0.09300557	1.5164578	1.3746036	1.3471868		
DM13814P1	0.09305349	-1.2855426	1.0266794	1.2922748		
DM08621P1	0.09308208	-1.0955684	-1.0224595	1.1330762		
DM07853P1	0.09310789	1.0396856	1.2430824	1.1166743		
DM06555P1	0.09312844	1.0114467	-1.4251317	1.6171758		
DM06538P3	0.09321185	1.2313693	1.2586054	1.1326238		
DM08934P1	0.09324426	1.0316203	1.2117908	1.3734697		
DM00570P1	0.09324615	-1.3232205	-1.1616933	1.3679234	LOC551968	XM_624350.2
DM11600P3	0.09328067	-1.0763397	-1.1290106	-1.247623	REEP5	NM_001096221.1
DM10502P2	0.09342746	1.0068157	-1.0556751	1.5090128		
DM00204P4	0.09343304	-1.0065117	-1.021314	-1.2141867	LOC588451	XR_026315.1
DM10626P2	0.09351358	1.0324514	1.125186	-1.0900097		
DM08524P1	0.09353467	1.0682502	-1.1514263	-1.1941634		
DM02723P2	0.09354002	-1.0471427	-1.0499027	-1.2558244	DANA\GF182	XM_001954339.1
DM08995P4	0.09362105	1.2024012	-2.0171423	1.1960881		
DM02551P1	0.09363788	-1.0794151	-1.2666006	-1.17853	ECH1	XM_001167849.1
DM11348P1	0.09368328	-1.0889584	1.0935395	-1.0576363		
DM00354P3	0.09371214	-1.0103328	-1.0914022	1.2162964	LOC725453	XM_001120307.1
DM04645P1	0.09372202	-1.0414296	-1.1867769	-1.2020296		
DM08324P3	0.09373155	1.1836023	1.1400481	1.215096		
DM10995P3	0.09375531	1.0291178	1.2191726	1.0358683		
DM12202P4	0.09393378	1.0685056	1.0459173	-1.0867823		
DM14579P3	0.09405801	-1.2875677	1.1334748	-1.0221277		
DM05482P1	0.0941969	-1.0702192	1.0471745	1.6356775	LOC448984	NR_002170.3
DM07955P1	0.09420384	-1.1100168	1.2500732	1.2739729		
DM02554P1	0.09422703	-1.0334405	-1.0765234	1.2254004		
DM05234P3	0.09424593	-1.0382314	-1.0749724	-1.3396074		
DM03043P3	0.0942467	-1.0802702	1.2212161	1.0703572	THERM_007	XM_001026155.2
DM13946P1	0.09437522	-1.6835773	-1.2056799	-1.1484967		
DM12605P3	0.09438086	-1.0423919	-1.1381756	1.0547156		
DM04718P2	0.09440702	-1.1666018	-1.1077245	-1.3212495		
DM12717P1	0.094416	1.08457	-1.1172274	-1.2136393		
DM12381P3	0.09449604	1.831083	1.7005706	2.572051		
DM03936P1	0.09451276	2.464596	2.923778	1.4635088		
DM11033P2	0.0945678	1.538408	-1.0560645	1.2020813		
DM10850P4	0.09458765	1.1205633	-1.5382228	2.1236608		
DM03092P2	0.09460481	1.0038373	1.1267233	-1.1402917	LOC588813	XM_788477.1

DM08620P1	0.09460504	-1.1069895	1.0590377	-1.0972153		
DM09753P2	0.09461039	-1.0723546	-1.0355988	-1.2184037		
DM13277P1	0.0946219	-1.0679327	-1.507413	1.0314109		
DM15038P1	0.09465515	-1.0060269	1.1688826	1.0436845		
DM09505P2	0.09472298	1.2818359	-1.3920329	1.1687969		
DM13061P2	0.09484062	-1.121859	1.1764361	-1.0412854		
DM14305P1	0.09497877	-1.2008879	1.0201511	1.2328098		
DM00744P3	0.09502482	-1.2738869	-1.0964918	-1.4088461	TOP2B	NM_205082.1
DM13853P1	0.09504481	-1.1457317	-1.0137516	1.331208		
DM12964P1	0.09510438	-1.2405211	-1.2481822	1.7268963		
DM13618P1	0.09516278	1.0004759	1.353599	1.138664		
DM07443P3	0.09522669	1.065276	-1.0341785	1.3611743		
DM01306P1	0.09524008	-1.0606431	-1.132544	-1.0641569		
DM02966P3	0.09528871	-1.0945112	-1.2164336	-1.2216196		
DM13634P4	0.09535951	-1.3557756	-1.1504828	-1.2172606		
DM11520P1	0.09541205	1.0116047	-1.146665	-1.0906047		
DM14363P2	0.09545531	1.0868735	1.0882449	1.2075175		
DM04296P1	0.09546704	-1.0319242	1.2048407	1.1396347		
DM13066P3	0.09546849	1.0146527	-1.2894669	-1.1758846	CHGG_08117	XM_001225772.1
DM00096P3	0.09548765	-1.0259893	-1.1763896	-1.1232487	LOC408944	XM_392473.3
DM01368P4	0.09549019	1.1941109	1.2999787	1.1040252	MDY	XM_624751.2
DM10565P3	0.09554648	-1.1905552	-1.1245111	-1.0095403		
DM08511P1	0.09559645	-1.1642135	-1.9005986	-1.4138323		
DM11657P2	0.09565581	-1.0113279	1.2275585	-1.099766		
DM07665P2	0.09565878	1.0071108	1.2020355	-1.1491146		
DM14505P1	0.09570183	-1.2213191	1.0072329	-1.115847		
DM02601P2	0.09570389	-1.0951976	-1.3731596	-1.1637273	LOC1001668	XM_001943378.1
DM07091P3	0.09571654	1.143827	1.219851	-1.2870966		
DM04749P1	0.09574847	1.6409881	1.7225542	1.1654149		
DM11995P2	0.09581046	1.2095169	1.0823029	-1.097168		
DM00796P1	0.09583538	1.4666312	1.7716069	1.3895673	POPTRDRAFT	XM_002317090.1
DM05814P3	0.09589463	-1.2270918	-1.2518828	1.0468249	BRAFLDRAFT	XM_002596443.1
DM04679P1	0.095909	1.1896111	1.2548999	1.0859435		
DM02069P3	0.09592247	-1.1504871	-1.7399986	1.106778		
DM08253P3	0.0959445	-1.1768517	1.1300812	1.2954364		
DM05939P3	0.09596168	-1.0188814	1.080233	1.0677019		
DM04827P2	0.09601048	1.0007695	-1.1508548	-1.2083097		
DM09972P1	0.09604212	1.4693877	1.6070545	1.4974666		
DM10678P3	0.09604431	1.2291545	1.3479241	1.4176009		
DM11785P2	0.09606174	1.2744968	1.39064	1.5266914		
DM02420P3	0.09608579	-1.1997982	-1.081975	-1.1177266	AGAP_AGAP0	XM_001688063.1
DM03842P3	0.09634078	1.5953455	-1.1936334	1.257516		
DM11361P1	0.09640052	-1.2598791	-1.1973221	-1.2523597		
DM07504P1	0.09642673	-1.1759518	1.0082818	-1.2111111		
DM04128P2	0.09648426	-1.0567172	-1.046317	1.0807104	RAB1B	XM_860883.1
DM04447P3	0.09651676	-1.1638108	1.4704181	-1.0715413	ZUFSP	NM_001093121.1
DM02825P1	0.09657086	-1.0352342	-1.15633	-1.08154		
DM14139P1	0.09659185	-1.0025691	1.2080647	-1.0560665		
DM04731P3	0.09659497	1.0160552	-1.0841421	-1.1555036		
DM09645P1	0.09669423	1.0650474	1.358578	1.2250648		



DM12808P1	0.09683271	1.2575778	1.182808	1.1451161		
DM08328P3	0.09693658	-1.5766723	-1.0580502	-1.9058875		
DM04780P3	0.0969948	1.1853527	1.4244535	1.10806		
DM12570P3	0.09703074	1.0280604	-1.0969179	-1.3972404		
DM11232P2	0.09714595	-1.010543	1.1439646	1.0544403		
DM06294P3	0.0971595	-1.0255508	-1.0951592	-1.3737941		
DM04593P2	0.097269	-1.2332889	-1.1552233	1.1370169		
DM11689P2	0.09731215	1.161581	-1.14371	-1.1438415		
DM06895P2	0.0974116	-1.1708316	-1.0497806	1.0662075		
DM13536P4	0.09750073	-1.3628377	-1.3317069	-1.7374475		
DM13654P2	0.09755528	-1.447311	-1.1703684	1.0780902		
DM02765P1	0.097557	1.1032913	1.2553653	1.1481	DMOJ\GI2097	XM_002003789.1
DM00303P4	0.09760728	1.0606084	1.0579777	-1.1568482	LOC409766	XM_393259.3
DM07576P3	0.09762827	-1.0202045	-1.2550141	1.2654566		
DM07828P3	0.0976997	1.0138386	1.1523535	1.0484421		
DM14522P3	0.09773555	-1.1570864	1.1713142	1.12731		
DM00465P1	0.097739	-1.049169	-1.174183	-1.1621453	AAEL_AAEL0C	XM_001651977.1
DM04800P3	0.09778664	1.0653979	-1.0272708	-1.1493407		
DM10526P3	0.09783387	1.2263484	-1.0389727	1.0709423		
DM11480P1	0.09791709	-1.1928129	1.0236307	-1.0469589		
DM13802P3	0.09805317	-1.123539	-1.0326781	-1.3585156		
DM00617P2	0.09807894	1.160505	-1.0557137	-1.079079	CG4288	NM_169898.1
DM05499P3	0.09812201	1.0467736	1.0046393	1.235859	AGAP_AGAP0	XM_001688807.1
DM09699P1	0.09813722	1.0670842	1.3160847	1.3542858		
DM10774P3	0.09818409	1.1158326	-1.0582483	-1.3999277		
DM04034P1	0.09834462	-1.200633	-1.2310965	-1.2142711	DPER\GL226C	XM_002024176.1
DM03147P2	0.09841196	-1.1695589	-1.8477603	-1.4291047		
DM03411P3	0.09841723	-1.7124876	-1.1387736	-4.1380486	DVIR\GJ2443	XM_002054372.1
DM05649P1	0.09844723	1.2111808	1.2105398	-1.0039381		
DM12124P2	0.09846917	1.2257335	1.0634729	-1.0127281		
DM09409P3	0.09855264	-1.0088142	-1.0008832	-1.2095637		
DM06731P2	0.0987266	-1.015983	-1.0255024	-1.0897909		
DM10244P1	0.09875146	-1.0691254	1.1017755	-1.2947052		
DM13461P1	0.0987893	-1.0318522	-2.1091976	1.1911427		
DM12045P3	0.09890878	1.029431	1.1097827	-1.324541		
DM01412P2	0.09896641	-1.2567008	-1.130464	1.1472096	TUBA1	XM_001849047.1
DM10185P2	0.09901036	1.2803212	1.9911398	-1.1870933		
DM03719P1	0.09902886	1.0116466	1.0203142	1.2621021		
DM11951P1	0.09903503	1.2993718	1.5303838	1.2340751		
DM10544P2	0.09912133	-1.1761972	1.027473	-1.1859927		
DM02089P2	0.09914688	-1.0995398	1.1809759	-1.2381444	DBIB	NM_001097111.1
DM03500P1	0.09915368	-1.0770013	-1.0900446	1.1107767	RPL19	NM_001043756.4
DM04642P1	0.09916396	-1.0718346	-1.0147297	-1.2145183		
DM10661P3	0.09917095	-1.2063282	-1.1628948	1.0093397		
DM02990P1	0.09923501	1.182917	-1.7892026	1.0029294	AGAP_AGAP0	XM_319746.4
DM02219P4	0.09924793	-1.2019154	-1.0510777	-1.0041873	AAEL_AAEL01	XM_001661395.1
DM00564P2	0.09930478	-1.1676084	-1.1514322	-1.2466921	COPS3	NM_199685.1
DM06142P2	0.09938315	1.354266	-1.108295	1.3437325		
DM00499P1	0.0994947	1.0401988	1.0618248	-1.0783278	CTSL	NM_001170617.1
DM12297P3	0.09955969	1.3234836	1.2612826	1.0539804		

DM00197P3	0.09963778	-1.146265	1.0065721	-1.153871	DSEC\GM133 XM_002042233.1
DM10535P2	0.0996379	-1.3629737	-1.2086957	-1.042994	
DM14951P1	0.0996709	-1.0337386	1.0518571	-1.1745373	
DM02282P1	0.09994189	-1.239584	-1.1047089	-1.1065738	DANA\GF153 XM_001962130.1
DM09041P1	0.09997659	-1.0526668	-1.0480306	-1.1602619	
DM12294P3	0.09999562	1.6234994	2.031166	-1.2358738	
DM03310P3	0.09999869	-1.1490173	-1.1149734	-1.1647769	
DM08321P1	0.10000246	-1.1106	-1.2005569	1.2875727	
DM03008P1	0.10002469	1.2055931	1.1449287	1.4052255	DMOJ\GI100 XM_002000066.1
DM14862P3	0.10003091	-1.0453018	1.0485063	1.1732632	
DM12001P2	0.10003675	-1.0352938	1.1908934	1.1522428	
DM12064P2	0.10005572	1.0410374	1.0299952	-1.2154926	
DM11088P2	0.10008323	-1.0209954	1.0575272	-1.1891356	
DM06414P3	0.10008468	-1.3968618	-1.0576406	1.0310036	DPSE\GA105 XM_001358976.2
DM14825P2	0.10009109	-1.2094889	-1.1031377	-1.3505374	
DM07261P2	0.10013206	-1.3481747	-1.0834131	1.1020138	
DM04878P3	0.10017776	-1.5908885	-1.2392901	1.4243547	
DM01564P1	0.10026733	-1.1097112	1.1118609	1.1963265	RPL11 NM_001158230.1
DM02239P3	0.10030899	1.1768061	1.2676476	-1.0514743	
DM09535P2	0.10035407	1.0300772	1.1000681	-1.215124	
DM12027P2	0.1004575	-1.053357	-1.533976	-2.5089092	
DM04442P2	0.10046279	-1.1446083	-1.0098366	1.2900832	
DM11868P1	0.1004686	1.0092937	-1.3441359	-1.1109246	
DM01034P1	0.10047458	1.0616642	-1.0473443	1.2047591	PMPCA NM_001170902.1
DM08205P2	0.10047925	-1.2186843	-1.19582	-1.2720681	
DM10935P2	0.10048436	1.117489	1.0899903	1.273583	
DM00344P4	0.10051259	-1.0377496	-1.1012998	1.0731124	DERE\GG158 XM_001972993.1
DM08703P1	0.10052887	1.2998683	1.1223954	-1.000822	
DM10143P1	0.10069589	-1.4596937	-1.2290024	-1.0996916	
DM02321P3	0.10075633	1.0628948	1.0926195	-1.089318	CDC42 NM_001008026.1
DM12603P3	0.10076138	-1.0402504	-1.0737234	-1.207625	
DM09748P2	0.1008371	1.1443833	1.2321956	-1.0336701	
DM02686P1	0.10085012	1.1822054	1.3308866	1.1084516	ISCW_ISCWC XM_002411596.1
DM08642P1	0.10090071	1.1125382	-1.0904787	1.8324558	
DM04628P2	0.10092019	1.2485147	-1.0212808	1.0587902	
DM07017P3	0.10092658	1.0182198	1.1136402	1.2337363	
DM09461P2	0.10095075	1.01832	1.1062243	1.1907507	
DM03051P3	0.10097024	1.0563523	-1.0938661	-1.0339762	
DM11298P1	0.10103101	1.0644658	1.1269602	-1.1644753	
DM09687P4	0.10112488	-1.0031153	-1.1757745	-1.2161088	
DM12731P1	0.1011939	-1.1757001	-1.2600396	1.0521423	
DM00232P3	0.10120842	1.0503917	-1.0787472	-1.1873704	TRIADDRAFT_XM_002107946.1
DM13080P4	0.10125864	-1.173947	1.0865725	1.1370406	
DM09231P2	0.10127051	1.0862644	1.0246036	1.30755	
DM11865P1	0.10127723	1.1855799	1.3154123	1.3939645	
DM07803P3	0.10133289	1.0855876	-2.40151	1.1181926	
DM04917P1	0.10137846	-1.1204451	-1.1908951	1.0593506	
DM02057P3	0.10139301	-1.2533149	-2.0904434	-1.3518935	CPIPJ_CPIJOC XM_001849296.1
DM03255P3	0.10140412	1.1558475	1.1290673	1.1945423	VPS36 XM_395542.2
DM10949P1	0.10159206	1.0049521	1.0253103	-1.1461736	

DM13515P2	0.10162029	-1.1588455	-1.0446801	-1.2279017		
DM04701P1	0.10174798	1.0810059	-1.1127871	-1.1423504	LOC588493	XM_788174.2
DM07256P1	0.10179269	-1.2967112	-1.3343041	-1.9176658		
DM11346P1	0.10181812	1.0073606	1.0258713	1.2212783		
DM00747P1	0.10183252	1.6220094	2.0162451	-1.0609348		
DM04664P2	0.10184424	1.0418909	1.0125943	1.0493621		
DM14936P1	0.10186771	-1.1812924	1.04354	-1.1288662	LOC1001667	XM_001951541.1
DM11597P1	0.10188218	-1.0938157	1.1488447	-1.095431		
DM07207P1	0.10190736	1.1133602	1.0972223	-1.179616		
DM14269P2	0.10191336	1.402918	-1.0215425	1.5716931		
DM02948P1	0.10193338	1.1352429	1.0387924	-1.1421199		
DM10228P2	0.10198275	1.1204314	-1.0631484	-1.2424881		
DM11054P1	0.10198492	1.2533752	-1.599622	2.3547826		
DM03094P1	0.10203891	1.1156869	-1.7596155	-1.0779185	LOC1001187	XM_001602559.1
DM01839P1	0.1021786	1.7215037	1.5267603	-1.0513507		
DM04895P3	0.10222296	-1.1797172	1.0513666	-1.2548422		
DM05331P2	0.10226534	-1.0181491	1.1458207	1.0305011	ENDOB	XM_623585.2
DM04323P3	0.1022844	1.1225828	1.1667101	1.2806817	LOC1001976	XM_002167247.1
DM07171P3	0.10233501	1.3227415	2.1785395	1.0849302		
DM10372P1	0.10234384	-1.0033672	1.2049953	1.1771786		
DM01175P1	0.10238121	-1.0067481	1.067232	1.1472504		
DM05867P1	0.10240592	-1.0371894	-1.1703154	-1.3344444	GSPATT0001	XM_001444630.1
DM09540P3	0.10242308	-1.051032	1.0362357	-1.2168978		
DM00152P1	0.10249187	1.0957444	-1.2624686	-1.2458355	TFIIB	XM_002051119.1
DM06387P2	0.10249853	1.287784	1.1682142	1.1027135		
DM00226P3	0.10254064	-1.0210122	1.1337543	-1.1930614	HSPA8	NM_006597.3
DM05226P1	0.10257474	1.1492008	-1.0199848	1.6490352	DERE\GG120	XM_001981390.1
DM10293P1	0.10258448	1.3583089	1.0914451	1.0514903		
DM04768P3	0.10263905	1.6199473	1.6624806	1.3002124		
DM04020P1	0.10269358	-1.0497713	-1.1598802	-1.2586576		
DM02355P1	0.10274262	1.5341022	1.228462	1.2154138	BRAFLDRAFT	XM_002604945.1
DM04613P2	0.10274923	-1.044965	-1.1650226	-1.1817808		
DM04688P1	0.10278615	-1.1392906	-1.1266083	1.5390671		
DM07242P2	0.10278975	-1.2839425	-1.0736022	-1.5296586		
DM06933P3	0.1028259	1.2158221	1.2369921	1.4077508		
DM02462P2	0.10298178	-1.0063521	-1.2775133	-1.2734486	DWIL\GK170	XM_002075230.1
DM13505P1	0.10298332	-1.0395877	1.1948847	1.1228083		
DM09836P3	0.1030407	1.0809343	-1.0580399	-1.0694075		
DM06071P2	0.10313752	1.0633415	1.0186706	1.472181		
DM01883P2	0.10314023	-1.1309487	-1.0309027	1.1886088	LOC660648	XM_966861.1
DM01521P3	0.10322829	-1.0304002	-1.2967298	-1.3398999		
DM04574P4	0.10330803	1.6206304	2.3429892	1.039238		
DM13828P3	0.10340066	-1.1870569	-1.031059	1.0974282		
DM01847P3	0.10344023	1.0612309	-1.2809598	-1.2760507	DWIL\GK100	XM_002071538.1
DM14925P2	0.10344784	-1.2147994	1.044385	1.1506305		
DM05682P3	0.10353496	1.0955503	1.0018249	-1.1539462		
DM14245P4	0.1035442	-1.0410239	1.1291065	1.4698225		
DM01851P1	0.10362601	-1.0818229	-1.1638815	-1.0125971	LOC1000788	XM_001509793.1
DM10791P1	0.10366384	-1.157859	-1.0382435	-1.2508447		
DM00146P1	0.10367574	1.2430525	1.2076862	1.1299462	ING5	NM_001141202.1

DM01217P1	0.1037225	-1.0577192	-1.1636865	-1.2186452		
DM03023P3	0.10379142	1.512821	1.7527543	1.1358776	DMOJ\GI1777	XM_002003146.1
DM07090P2	0.10385164	-1.8079082	-2.4764967	-1.4400982		
DM07644P2	0.10385403	1.0673211	-1.0203781	-1.1613442		
DM03129P4	0.10385617	1.2116922	1.4371032	-1.4255981	SLC12A2	NM_174782.2
DM06605P3	0.10388383	1.5415379	1.9541647	1.9523875		
DM01584P1	0.10393462	-1.0048764	-1.0402423	1.0172454	BRAFLDRAFT	XM_002599072.1
DM00558P3	0.10397753	-1.090127	1.0239733	-1.0010018	MOE	NM_206669.1
DM06934P4	0.10399523	2.2111464	4.70829	1.6773773		
DM12108P3	0.10409693	-1.1689289	1.3808254	-1.8011701		
DM00166P2	0.10414327	1.0655544	-1.213285	-1.0712903	LOC663340	XM_969392.1
DM111116P3	0.10416203	-1.1972259	1.1463202	-1.2487031		
DM07771P1	0.10417456	-1.1362854	-1.2763608	-1.1841478		
DM06171P2	0.10418638	1.2077329	1.1625185	-1.1244856	AAEL_AAELOC	XM_001652772.1
DM04538P2	0.10419339	1.2369671	1.0165383	-1.4501177		
DM08842P1	0.10422035	1.1653416	1.4335958	1.2812018		
DM03673P1	0.10425361	1.3105754	1.3700566	1.0343428		
DM00925P1	0.10429578	-1.0662054	-1.0067605	1.068869	LOC693092	NM_001046845.1
DM10751P3	0.10431696	1.5974954	-1.1634356	2.1969655		
DM06324P2	0.10438861	-1.089981	-1.0603284	1.1573343		
DM02480P3	0.10444918	-1.0376672	1.0083398	-1.1125766	DSEC\GM166	XM_002041684.1
DM06900P1	0.10447078	1.0930338	1.1386573	-1.1311265		
DM01697P1	0.10451152	-1.0266744	-1.0017564	-1.1710314	LOC580462	XM_001176979.1
DM11305P3	0.10453235	-1.0807003	-1.1392096	-1.2500441		
DM00069P1	0.10458999	-1.0104054	-1.4347074	-1.2152137	DESAT1	NM_169467.1
DM00881P2	0.10461091	-1.1356742	-1.0080098	-1.1364349	NIT2	NM_001034126.1
DM14952P1	0.10468474	1.2793393	-1.274458	1.4974519		
DM02827P1	0.10470437	-1.6071554	-1.2617145	-1.2861627		
DM11996P3	0.10477101	-1.0442349	1.3224972	1.070456		
DM01360P2	0.10478282	1.1448563	1.2946851	1.2039144		
DM01720P1	0.10481238	-1.0953515	-1.1083269	-1.024004	LOC660824	XM_967027.2
DM07354P2	0.10490076	1.0136431	1.1059684	-1.6619676		
DM04753P1	0.10499835	1.0816333	-1.7170836	-1.0482962		
DM02271P1	0.10502874	1.105853	1.0632273	-1.0365485	DMOJ\GI1242	XM_002007339.1
DM08445P3	0.10515155	1.0694698	-1.0371405	1.3335804		
DM01401P3	0.10522766	-1.1990513	-1.0633922	1.1398542	LOC408600	XM_392142.3
DM03857P3	0.10522983	-1.180639	-1.1628344	-1.4089411		
DM03972P1	0.10528745	-1.2056581	1.1164725	-1.9666857		
DM09684P2	0.10529524	-1.2655262	1.0045861	1.3315256		
DM03565P3	0.10534594	1.2931547	1.1479653	1.0639857	DYAK\GE238	XM_002098504.1
DM07479P1	0.1053789	-1.0652705	1.1831217	1.31893		
DM05494P3	0.10538127	1.5288491	1.5847924	1.3272377		
DM08308P3	0.10544086	-1.2718278	-1.3928975	-1.2743765		
DM06057P2	0.10550238	-1.6452299	-1.5945452	-2.0648644		
DM02326P2	0.10556452	-1.0903671	-1.0299877	-1.189756	LOC413822	XM_397261.3
DM04992P1	0.10563608	1.0155513	1.060229	1.1344529		
DM11101P1	0.10565618	-1.1069735	1.045207	-1.1749032		
DM12250P1	0.1056841	-1.0647085	1.0606619	1.205286		
DM10424P1	0.10574364	1.0262568	1.1243411	-1.0861026		
DM03432P3	0.10575829	1.2078736	1.5067792	1.3487971		

DM08435P3	0.10581372	-1.1518329	-1.1736646	-1.2765018		
DM01736P1	0.10593254	-1.0328851	-1.0369858	1.092582	DPSE\GA189	XM_001357855.2
DM12870P1	0.10597435	-1.1093236	1.0530558	-1.2104238		
DM08254P1	0.10609793	-1.2178987	1.196087	1.0569439		
DM07099P3	0.1061483	-2.3859782	-2.4128687	-1.176945		
DM06307P2	0.10614929	-1.1661644	1.00392	-1.2096462	LWR	XM_623680.2
DM05309P3	0.10616168	1.0420973	-1.0052532	1.1457353	LOC590925	XM_001176898.1
DM15242P3	0.10621721	1.2187364	1.4095422	1.2255651		
DM10213P2	0.10623094	-1.1178905	1.0381501	-1.1332293		
DM07590P3	0.10627659	-1.1946983	-1.1378772	1.1911331		
DM02514P1	0.1064382	1.0219159	1.0536722	-1.1030737	BM1_40255	XM_001899473.1
DM08781P1	0.1064723	1.1366653	1.2648735	1.0552181		
DM12056P3	0.10651857	1.0604362	1.229098	1.0549963		
DM07926P1	0.106548	1.2435896	1.18316	1.0729767		
DM13633P1	0.10657889	-1.346984	-1.0337865	1.2480421		
DM12300P1	0.10660403	-1.0949173	1.0231197	1.1818357		
DM07659P1	0.10661832	1.0916702	1.2602459	1.023228		
DM06348P3	0.10669888	1.0591497	1.0362816	-1.1667148		
DM11492P1	0.1068925	-1.1500959	-1.006661	-2.4615998		
DM15205P1	0.10692406	1.2549012	-2.1091413	-1.2454206		
DM08211P1	0.10695657	1.0021199	1.1879218	1.1210537		
DM01945P2	0.10695677	1.3637376	1.1789944	1.0603725		
DM08909P1	0.10704809	-1.3779514	-1.0152982	-4.8002253		
DM08197P4	0.10711456	-1.1136788	-1.6533818	1.5666434		
DM06911P3	0.10714173	1.3489558	1.5606248	1.8216009	THAPSDRAFT	XM_002292473.1
DM03208P2	0.10744191	1.0730165	1.0512906	1.1906537	LOC1001668	XM_001951723.1
DM14857P3	0.10746536	-1.0116144	1.2527218	1.0150867	DPSE\GA197	XM_001353784.2
DM11220P2	0.10746729	1.0366452	-1.0552062	-1.1053534		
DM15266P2	0.10775933	1.235773	1.6592802	1.6981587		
DM10650P2	0.10780707	1.0314033	-1.0254962	-1.1525342		
DM01023P1	0.10781815	1.3690959	-1.0457168	-1.1413274	LOC661201	XM_967377.2
DM10998P3	0.10782042	1.3248726	-1.1245981	1.7908189		
DM08273P4	0.10790292	-1.0900148	1.2730498	1.2132217		
DM05994P1	0.10794697	1.2005934	1.5561321	1.5461323		
DM02942P2	0.10796616	-1.0452951	-1.1060275	-1.1997263	LOC1001153	XM_001600020.1
DM06991P3	0.10802741	1.0822715	-1.4496914	1.1722554	LOC1000804	XM_001512383.1
DM07553P4	0.10813313	1.7218556	1.2377037	1.52474		
DM13771P2	0.10816085	1.0569235	-1.6379372	-1.1196059		
DM03690P2	0.10817886	-1.033998	1.150325	1.7258531	CHIT	XM_001841628.1
DM01609P3	0.1082029	1.1110827	1.1474617	1.3786732	CAT	XM_001848521.1
DM14909P3	0.10824772	-1.0375072	-1.095164	-1.335971		
DM09228P1	0.10828933	1.1720331	1.1675718	1.1849587		
DM10164P2	0.1083132	-1.1698463	1.1431493	1.2295338		
DM08650P1	0.10832325	-1.0641842	-1.0927655	-1.2702134		
DM03246P1	0.10835462	-1.0593343	-1.1055378	-1.15385	DVIR\GJ1375	XM_002048026.1
DM13705P3	0.10836783	-1.3238302	-1.3321706	-1.3351898		
DM10288P4	0.10837475	-1.048506	1.0465019	1.0843737		
DM09951P4	0.10838648	1.12424	1.2250793	1.0090123		
DM01227P3	0.10846128	1.1698518	-1.0342407	1.47752	DERE\GG172	XM_001980591.1
DM10589P1	0.10847732	2.2604709	3.303719	1.5897529		

DM02510P1	0.10848222	-1.0782367	-1.1146493	1.0160482	CHRO.20441	XM_662573.1
DM05357P1	0.10849068	1.1705792	1.3762343	-1.0954083		
DM00885P3	0.10851256	1.2022147	1.2388427	1.0587559	MONBRDRAF	XM_001749089.1
DM13772P1	0.1085415	-1.3123403	-1.1192186	1.0699961		
DM09856P1	0.10856964	-1.2049491	1.2089336	1.0351077		
DM03879P1	0.10863507	-1.2655399	-1.0112636	-1.1456966		
DM06951P4	0.10865785	1.1248075	1.3940607	1.5251225		
DM01030P4	0.10869408	1.1282389	-1.0677714	1.3153276	LOC1001688	XM_001945918.1
DM12855P2	0.10869408	1.1520045	-1.2404603	-1.0826926		
DM01278P4	0.10871398	-1.0006274	-1.0746641	-1.3556306	DMOJ\GI195	XM_002004435.1
DM04124P3	0.1090766	1.1118797	-1.6002941	1.8732208	COL4A2	XM_001894792.1
DM04925P3	0.10910067	-1.1296625	-1.2926432	1.0028796	LOC410918	XM_394394.3
DM09711P3	0.10912596	1.3543676	1.4774265	1.0450442		
DM03832P4	0.10912602	-1.0230914	-1.0799692	-1.2402471		
DM06255P2	0.10928049	-1.1510257	-1.0814774	-1.295983		
DM05783P1	0.10935891	-1.2274834	-1.5995915	-1.848155	DYAK\GE183	XM_002087911.1
DM01646P1	0.10937113	-1.1128775	-1.0572293	-1.21633	LOC413145	XM_396596.3
DM06192P1	0.10940594	-1.0628734	1.0208863	-1.0933045		
DM05163P1	0.10948957	1.4673895	1.4299481	1.447176		
DM03442P2	0.10957176	-1.173817	1.0179534	1.1136452	AAEL_AAEL01	XM_001655005.1
DM06527P1	0.10957257	1.757211	1.3756986	-1.1238414		
DM11179P4	0.10962732	1.0920781	-1.1629231	-1.1905026		
DM12493P1	0.10965359	-1.0915316	-1.3705187	1.0279366		
DM04804P1	0.10969287	-1.157001	-1.158957	-1.036384		
DM09412P3	0.10973547	1.0827514	1.0236412	-1.2765089		
DM06868P2	0.10976136	-1.0803955	1.0929848	-1.322742		
DM01160P3	0.10981911	1.4756179	1.0123454	1.1083788		
DM01324P1	0.10986766	-1.2141567	-1.0453722	-1.0884205	CNOT3A	NM_001005582.1
DM01775P3	0.10995456	1.0983778	-1.1728798	-1.2824657	LOC732966	NM_001046964.1
DM03798P4	0.11002502	-1.2155021	-1.0188122	-1.4537675	DMOJ\GI130	XM_002007554.1
DM02709P1	0.11002814	-1.0106705	-1.0939853	1.1212468	F23B12.5	NM_074178.5
DM04111P2	0.11008587	1.0281323	1.1281044	-1.1790386		
DM08812P1	0.11010849	1.0890118	1.0082283	-1.1464683		
DM08327P1	0.11020282	1.0036637	1.1245557	-1.18448		
DM07074P2	0.11020507	1.117586	-1.0619266	1.41349		
DM03180P4	0.1104399	1.0886971	-1.1841848	-1.0971744	DVIR\GJ2018	XM_002050439.1
DM13714P3	0.11049917	1.2895025	1.5593877	1.3395338		
DM14222P2	0.11050843	-1.0045724	1.3135623	1.147661		
DM06245P3	0.11052676	1.0297245	-1.402668	1.1818947		
DM11379P4	0.11054149	1.0773237	-1.0304644	-1.2453989		
DM02748P1	0.11055055	-1.1185715	-1.1293753	1.0481989		
DM08101P1	0.1106104	-1.5170147	-1.2683411	-1.9020675		
DM03548P1	0.11061109	-1.0057192	-1.0368576	-1.2199677	DYAK\GE252	XM_002096012.1
DM05581P1	0.11064076	-1.0931491	1.1271149	1.3351796		
DM13452P3	0.11064485	-1.140368	1.0639461	-1.0828083		
DM11786P1	0.1106471	-1.2781261	-1.4047827	-1.560296		
DM12982P3	0.11066204	-1.3195698	1.0605856	1.0475609		
DM03678P1	0.11070462	-1.0481089	1.1711626	-1.3271449		
DM13784P1	0.11072529	-1.0508848	-1.0841655	1.1398191		
DM00419P1	0.11079274	1.1493783	1.1105782	-1.0011902	ATG9	XM_001960859.1

DM14364P2	0.11087395	-1.271233	1.0468913	1.1098471		
DM08275P3	0.1109626	-1.1616862	-1.2065884	-1.0738543		
DM02786P1	0.11096472	1.0384564	-1.0830457	-1.0579312	DHRS12	XM_001233772.1
DM04359P1	0.11108654	1.1648387	-1.2352976	-1.0260316		
DM04237P2	0.11124793	1.0293365	-1.032972	-1.1444219		
DM13404P3	0.11128082	-1.104802	1.0132507	-1.3427743		
DM09281P2	0.11135232	-1.1096697	-1.2023004	-1.2326608		
DM00444P1	0.11135671	-1.3491266	1.0092882	-1.1227509	LOC733099	NM_001047046.1
DM09698P2	0.11137611	1.4014578	1.2793221	1.1926317		
DM08483P1	0.11140869	1.159915	1.7222013	-2.447509		
DM08647P2	0.11142392	-1.0456618	1.117973	-1.0840869		
DM13877P4	0.11149268	-1.1959277	1.2226655	1.6825402	DNJ3	XM_001696900.1
DM11272P1	0.11150613	1.2596588	1.6389129	1.5011692		
DM05572P2	0.11151224	-1.433297	-1.2813431	-1.0208395		
DM04922P3	0.1115235	1.3050134	-1.3115579	-1.1071712		
DM12538P4	0.11154396	-1.0392519	1.069481	1.2129809		
DM13221P3	0.11156937	-1.0102612	-1.4485648	-1.7246091		
DM09134P1	0.1117446	-1.091453	1.1219167	1.3949142		
DM07581P2	0.11174563	1.4744568	1.1327169	-1.2646613		
DM13503P1	0.11185184	-1.2882593	-1.0166483	-1.1161926		
DM10151P3	0.11188144	1.1723047	1.3149619	1.2699543		
DM06312P3	0.11197797	-1.1281127	-1.126227	-1.0190313		
DM09608P2	0.11198928	-1.1186353	1.0408832	1.1480106		
DM04839P3	0.11200684	1.1318843	1.2712202	-1.3012947		
DM13538P4	0.11202799	1.1835608	-1.3305882	1.0710771		
DM07745P3	0.11204094	-1.1918643	1.1004133	-1.2602495		
DM14014P1	0.11205445	1.2048304	1.2487795	1.3155402		
DM03759P3	0.11205645	-1.136474	1.0274196	-1.2844073		
DM07274P1	0.11206583	1.1474633	1.0974414	-1.108533		
DM10581P1	0.11209312	1.0502694	1.0990522	-1.0283467		
DM05517P3	0.11210594	1.0278599	1.0931528	-1.0025781		
DM13045P2	0.11218077	-1.4258975	1.1207578	1.1159573		
DM05510P2	0.11218829	1.1818905	-1.1364514	1.7221931	CG31523	NM_169008.2
DM02263P2	0.11223141	1.5892053	2.0060573	2.1492424		
DM10100P2	0.11224052	-1.1160198	1.0498742	1.331101		
DM07169P2	0.11226869	1.0725204	1.1516806	-1.2230216		
DM00803P1	0.11235969	-1.0156895	1.0520891	-1.0731021	NEMVEDRAFT	XM_001634435.1
DM01625P3	0.11240667	1.0597498	1.012457	1.1293042	LOC10010111	NM_001099620.1
DM08944P1	0.11245933	1.1731733	-2.1779895	1.2413688		
DM05871P2	0.11254949	1.1045094	1.603592	1.6615688		
DM07146P3	0.11255828	-1.2249959	-1.2053877	-1.198697		
DM02520P3	0.1126798	-1.8026944	-1.6823552	-1.6217979	SUFU	XM_002591522.1
DM05907P3	0.11269898	-1.1795834	-1.2100168	-1.1438601	LOC1001591	XM_001942955.1
DM11936P1	0.11277593	2.10477	4.115713	2.4064739		
DM12456P2	0.11277904	-1.052843	-1.3811004	1.1768376		
DM07650P1	0.11278784	1.2013643	1.1662279	-1.2366999		
DM12305P1	0.11292503	1.2281975	1.1271055	-1.0103431		
DM13581P1	0.11296755	1.4080702	-1.0249001	2.550217		
DM07252P1	0.11298753	1.2538617	1.2884092	1.2187315		
DM08405P4	0.11299288	-1.0415998	-1.0612912	-1.1974076		

DM05787P4	0.11304535	1.0765779	-1.2633692	-1.0406691		
DM05314P2	0.11304542	1.0729485	1.1347569	-1.3432848		
DM12490P2	0.11314549	1.2644492	1.0648103	1.4846681		
DM15037P3	0.11314896	-1.0850943	1.0531948	1.3285655		
DM10285P2	0.11317369	-1.1020615	1.3961155	1.0438391		
DM11620P1	0.11322817	1.273561	-1.0261688	-1.0734675		
DM06572P2	0.11323568	-1.0255492	1.128176	1.0438678	SINA	XM_394284.2
DM10419P2	0.11323839	1.6850665	2.5734863	-1.0381185		
DM01686P3	0.11325681	1.1373025	-1.0051019	1.2159727	ARR	XM_001663682.1
DM11421P2	0.11336155	-1.0872103	1.2100465	-1.0950623		
DM14374P1	0.11351185	-1.1118388	-1.0278562	-1.187446		
DM12551P4	0.11355358	-1.0745293	-1.1070981	1.1039561		
DM07411P2	0.11357246	-1.133708	1.0684075	1.1374227		
DM04944P3	0.11370464	1.1117523	-1.0241582	-1.2230821		
DM06266P2	0.11373881	1.1194996	1.1737634	1.487736		
DM14068P1	0.11387136	1.0484743	-1.1477535	1.0077394		
DM02800P3	0.11396021	1.0207291	1.0265431	1.1673664	DSEC\GM221	XM_002040743.1
DM08924P1	0.11397272	-1.1572025	-1.227281	-1.0932661		
DM00020P3	0.11404555	-1.3513736	-1.9426118	-1.3745371	TB927.3.105	(XM_838607.1
DM14882P1	0.11412256	1.1891086	1.3238925	1.6272868	DSEC\GM216	XM_002034078.1
DM06275P4	0.11421178	-1.1044062	-1.1960261	-1.0364873	LOC1001237	(XM_001607350.1
DM11890P1	0.11421625	-1.303327	-1.3647869	-1.1987587		
DM06025P2	0.11425708	1.0558017	-1.2146497	-1.1917851		
DM09177P1	0.11448182	-1.1900374	1.0341042	1.5066891		
DM04494P3	0.11453211	1.0403291	1.1539475	-1.2332377		
DM12909P1	0.11454313	-1.2887142	-1.0535104	1.0060524		
DM00861P2	0.11455106	1.124985	-1.3005236	1.3192866	ACYPI001676	NM_001161965.1
DM01600P2	0.11461907	-1.1521317	-1.0697129	-1.0737138	DWIL\GK125	(XM_002067803.1
DM08166P3	0.11464161	-1.0274408	-1.0163716	1.111813		
DM09732P1	0.11465474	1.0452821	-1.1821524	-1.2800583		
DM00597P2	0.11467834	1.452803	1.4286948	1.4697828	DWIL\GK226	:XM_002072005.1
DM08420P4	0.11474676	-1.1740184	-1.0605328	-1.2260467	LOC1000555	XM_001916283.1
DM04191P4	0.11483076	1.4976981	1.7368879	1.428619		
DM14563P2	0.11492585	-1.0834775	1.1529838	1.4162961		
DM10118P3	0.11507269	1.0386307	-1.1004841	-1.1252159		
DM09171P1	0.11511714	-1.0689325	1.1994905	-1.012198		
DM13076P1	0.11515103	-1.0272461	1.1564425	1.2519715		
DM10952P3	0.11515568	1.0057288	-1.27791	-1.2501696		
DM07840P1	0.11527794	-1.155636	-1.3118097	-1.1205341		
DM14224P3	0.11531667	-1.255563	-1.0223252	-1.0723097		
DM00360P1	0.11537276	-1.0249698	-1.0589606	-1.1540254	LOC551599	XM_623990.2
DM06404P1	0.11542218	1.0034208	-1.5427738	1.1024485		
DM01635P4	0.11546356	-1.1238842	-1.1026701	-1.2700008	CG31549	NM_169083.1
DM09082P1	0.11549719	-1.0871775	-1.294632	-1.3439385		
DM05290P3	0.11549831	1.2728374	1.2820697	1.5990037		
DM05911P2	0.1155277	-1.1322035	-1.0185822	1.2228632		
DM04233P1	0.11555279	1.1126052	1.223487	-1.0337163		
DM05511P3	0.11557604	-1.183071	1.0801722	1.1540203		
DM05672P1	0.11558156	1.0025182	-1.0146165	1.1632113		
DM06143P2	0.11558989	-1.257601	-1.0161046	1.1987926		



DM08899P2	0.11559492	2.077219	4.417744	2.0265002		
DM07883P3	0.11564907	-1.3393831	1.0087419	-1.0346228		
DM09437P3	0.11574543	1.2248353	1.3025095	1.0652652		
DM01066P2	0.11575824	1.0626508	-1.569212	1.0356467	RHBG2A	NM_001136097.1
DM00898P1	0.11583816	-1.2944473	-1.1604397	1.2455553	ALDH1A1	NM_001087771.1
DM00772P1	0.11584121	1.0217696	-1.1659533	-1.1923469	LOC551931	XM_624316.2
DM09259P3	0.11584128	-1.0634943	-1.0914837	-1.5509602		
DM02430P3	0.11588101	-1.1039026	-1.2294722	1.1221412	EPHX1	NM_001034090.1
DM05532P2	0.11589894	-1.0190276	-1.0605491	-1.1875644		
DM01440P3	0.11604098	-1.0859253	1.0046132	1.0803716		
DM10578P1	0.11604374	-1.1839901	-1.0721052	-1.1988387		
DM00868P2	0.11611702	-1.1074926	1.2249402	1.1036369		
DM08168P1	0.11622497	-1.1909875	-1.021791	1.2928891		
DM13790P1	0.11628833	1.0215415	1.1304655	1.3719107		
DM12350P3	0.11629195	1.1262285	1.0642427	-1.1700764		
DM01273P1	0.11629998	-1.0879791	-1.0572363	-1.1800491	FARSA-B	NM_001087382.1
DM07720P3	0.11630133	-1.0856869	-1.0436869	-1.2227412		
DM03552P2	0.11632442	-1.0633987	-1.193082	1.0698488	DMOJ\GI1475	XM_002010276.1
DM09455P3	0.11633444	1.0394291	1.1562748	1.0571432		
DM06976P3	0.11636983	-1.2201205	-1.1601726	1.3434578		
DM14341P2	0.11638902	-1.3425201	-1.1063622	1.0423574	TOMM20	NM_001099183.1
DM14955P3	0.11647207	1.0375816	1.133655	-1.0741292		
DM03812P2	0.11647869	1.0103999	-1.1727586	-1.2043794		
DM02850P3	0.11649633	-1.0451906	-1.6032945	1.5824441	CPA6	NM_001107900.1
DM05498P2	0.11654223	-1.2080395	-1.0153366	-1.0997823		
DM12453P2	0.11663996	1.1767135	1.1469793	-1.0380071		
DM05142P4	0.1166941	1.0555975	-1.8797693	1.3192885		
DM08464P1	0.11679579	-1.0276681	-1.0004625	-1.2306484		
DM01447P3	0.11688822	-1.1829475	-1.0066527	-1.1895189	DERE\GG243	XM_001968716.1
DM05156P2	0.11691889	1.0097556	1.0724722	1.1463838		
DM03755P2	0.11695921	1.0746307	1.0337325	-1.1339898		
DM01379P4	0.11697742	1.345408	1.634286	-1.0097415		
DM13890P1	0.11699619	-1.2126522	-1.0284505	-1.1964675		
DM10769P3	0.11703324	1.1437683	1.226315	-1.0540514	SULT	XM_001651870.1
DM05039P2	0.11708102	1.1381843	1.2994381	1.3108146	RPC-1	NM_068726.3
DM01594P2	0.11710939	-1.1348248	1.0659295	1.1713687	DMOJ\GI1205	XM_002007937.1
DM04562P1	0.11713246	1.1272603	-1.1834321	1.414565		
DM06641P1	0.11713646	1.2028708	-1.1550591	-1.8681504		
DM13164P2	0.11713933	1.0391572	-1.122986	1.2511826		
DM07447P3	0.11720487	-1.4011749	-2.029784	2.9868343		
DM11963P2	0.11738207	-1.1556379	-1.1545349	-1.2233777	DSIM\GD206	XM_002103812.1
DM12604P2	0.11741436	-1.0710098	-1.2062364	-1.1536751		
DM00414P1	0.11747365	-1.0261242	-1.2807491	-1.0195559	LOC663521	XM_001815945.1
DM10349P4	0.11755347	-1.0589364	1.0364803	-1.1908268	DPER\GL1275	XM_002026836.1
DM12602P2	0.11756035	1.1622956	-3.5668378	1.094574		
DM12128P2	0.11757697	-1.1034237	1.0074805	-1.1698179		
DM01908P1	0.11759196	1.3277898	-1.7030344	1.6112236		
DM02585P2	0.1176144	-1.1413921	-1.1692389	-1.0565941	EIF1A	NM_001162062.1
DM00704P3	0.11770067	1.0553206	-1.0892335	1.3787357	MHC1	XM_001607253.1
DM03880P2	0.11773102	1.2163346	-1.0941671	1.489392		

DM13240P1	0.11773454	-1.015568	1.0955055	1.344518	
DM04230P1	0.11782154	1.1463125	-1.7256278	1.2871608	
DM12684P1	0.11784825	1.06574	-1.1431677	-1.2727513	
DM01781P2	0.11785521	1.0228283	-1.0402876	-1.1554427	DVIR\GJ1005 XM_002056700.1
DM08037P1	0.11795457	1.0735636	-1.179992	-1.4603808	
DM11438P1	0.11798066	-1.0184132	1.2929549	1.147941	
DM03473P2	0.11798361	-1.0081977	-1.1000082	-1.3309324	
DM15200P1	0.11806198	-1.2600677	-1.1206502	1.0440259	
DM10854P3	0.11809305	1.2592471	1.4090077	-1.1064245	
DM12594P1	0.11809773	-1.1099888	1.0340695	1.1035085	
DM04627P1	0.11812621	1.2905573	1.478216	-1.0551325	
DM07864P3	0.11817148	-1.0348386	-1.3337295	-1.1513155	
DM11618P1	0.11817688	1.2439239	-1.1656338	-1.4406966	
DM01468P1	0.11818221	1.0274007	1.0947797	-1.0928367	LOC589308 XM_788952.2
DM00445P2	0.1182393	1.2082931	1.435501	1.4127494	DPER\GL124C XM_002019412.1
DM06978P3	0.11828121	1.1203871	-1.052674	1.15208	
DM08843P1	0.11829569	1.017317	-1.6942898	1.9272645	
DM11999P1	0.11835376	1.0204294	1.059186	-1.1654656	
DM01691P3	0.11839557	1.0090102	-1.01653	1.0768988	
DM10333P3	0.1184234	-1.1555203	1.084565	-1.167722	
DM01167P1	0.11846197	-1.3224131	-1.3913937	-1.4581013	DMOJ\GI243 XM_001999043.1
DM13525P1	0.11846435	1.0573034	1.2981249	1.2676871	
DM04200P1	0.11873433	1.1660537	1.2035162	1.3771766	
DM07826P1	0.11874936	-1.3392522	1.0285366	1.2044871	
DM11970P3	0.11875759	-1.148111	-1.1615629	-1.2007802	
DM10911P3	0.11876605	-1.0149688	-1.0056231	-1.1887838	
DM09895P3	0.11883696	1.3593831	-1.2678112	1.5252277	
DM00370P3	0.11887782	-1.0600165	-1.0080466	-1.2598367	LOC576419 XM_774819.2
DM08032P1	0.11888614	-1.0504367	1.263511	1.2631757	
DM05648P2	0.11893859	1.1384046	-1.0668656	1.2929928	
DM05952P1	0.1190599	1.1379205	1.2954699	1.1521477	
DM13395P4	0.11910647	-1.1268487	1.1784388	1.0172495	
DM01244P1	0.11913668	1.1303264	1.406193	1.5327938	
DM12145P1	0.11914907	1.003012	-1.0590154	-1.2092383	LOC724505 XM_001120377.1
DM10912P3	0.11917378	1.0056963	1.0671406	-1.1949462	
DM12828P4	0.11918226	-1.1807207	-1.1742212	-1.2066433	
DM04403P1	0.11934549	-1.3580241	-1.0980877	-1.0057874	
DM14957P2	0.1194254	1.025818	-1.0199543	1.2483392	
DM04337P2	0.1194434	-1.39252	-1.096126	1.063593	LOC660308 XM_966551.2
DM01819P3	0.11945604	1.1155164	1.0037143	1.4042944	BCKDHB NM_174507.2
DM12076P3	0.11947586	1.2241056	1.3674781	-1.0476362	
DM09173P1	0.11949503	1.0682269	1.0411057	1.3198503	
DM01683P3	0.11956049	1.0030587	-1.1485265	-1.1540617	DPER\GL211 XM_002023060.1
DM12281P2	0.11956485	-1.303289	-1.1671367	-1.1257019	
DM09751P3	0.1197232	-1.0893219	-1.1641446	1.0063983	
DM02823P1	0.11973731	1.0551896	1.0373247	1.2861195	LOC1001748 NM_001130902.1
DM00831P1	0.11976423	1.066281	-1.196365	-1.2371073	LOC410606 XM_394084.3
DM14109P1	0.11980018	1.0048743	-1.4226911	-1.1945689	LOC1001646 XM_001945973.1
DM04196P4	0.11990225	1.0864933	1.203543	1.145493	
DM08193P2	0.12000702	1.0583223	-1.1797495	1.5220032	

DM06069P1	0.1200356	-1.0354443	-1.0889987	-1.2259473	LOC1001668	XM_001943630.1
DM10522P2	0.12005674	1.0294986	-1.1133312	1.1073017		
DM01341P1	0.12007679	1.1237234	1.0767891	-1.1821862	LOC732920	NM_001046920.1
DM07705P3	0.12028556	-1.145426	1.0631557	-1.0050006		
DM07012P1	0.12040419	1.0475065	-1.0748705	-1.1368489		
DM14721P1	0.12042195	1.0735222	-1.385482	1.146846		
DM03097P1	0.12044812	-1.0917963	-1.1526899	-1.2518343	TBCB	NM_001040180.1
DM03618P2	0.12045024	-1.0778729	1.1504632	1.060002		
DM11810P1	0.12047714	1.1837327	1.0574709	-1.2111069		
DM12569P2	0.12051188	-1.1048504	-1.0437458	1.2060055		
DM05755P2	0.12063113	2.3504415	2.3904164	1.4842279		
DM08028P1	0.12064686	1.2032757	1.1109619	1.7468305		
DM00850P2	0.1208615	-1.0266103	-1.2596762	1.0739486	VINC	XR_014976.1
DM12421P3	0.12086729	1.0797355	1.1440241	1.3085032		
DM05795P3	0.1209693	1.051687	1.3821956	1.3322197	LOC1000167	XM_001370463.1
DM14451P1	0.12097326	-1.3239921	1.1685524	1.2567145		
DM02206P3	0.12098676	1.0372574	1.130952	-1.1558197		
DM06243P2	0.12098837	1.4730419	1.7736008	1.0128767		
DM11105P2	0.12100804	-1.0021077	1.13688	-1.1020024		
DM07956P2	0.12103681	1.0212342	1.3417288	1.2520181		
DM07664P3	0.12115134	1.0667714	1.2077595	-1.106729		
DM03279P2	0.12120967	1.0361242	1.2099843	-1.1873456	LOC410541	XM_394020.3
DM11194P1	0.12128353	-1.3538778	1.5421585	1.0861338		
DM10521P3	0.12131573	-1.3602618	1.0910103	-1.3614557		
DM13138P2	0.12139223	-1.2717652	-1.2555778	1.1130509		
DM07445P2	0.1214299	-1.0192566	1.0664238	-1.1663557		
DM01168P1	0.121465	1.0030961	-1.2058429	-1.1604834	TRIADDRAFT	XM_002109514.1
DM15191P2	0.12151123	1.1736451	1.2339334	1.3894877		
DM11690P3	0.12159541	1.0476815	1.131841	-1.0913532		
DM11383P3	0.12160794	-1.0087116	1.2153788	1.1339234		
DM01212P1	0.12161891	1.1660321	1.3200129	1.0629517		
DM10632P1	0.12172733	-1.2022845	-1.0072659	-1.3141396		
DM12377P1	0.12176354	1.0879124	-1.2000223	1.2844055		
DM05367P3	0.12176421	1.0517806	1.1488492	1.4080725		
DM05959P1	0.12176892	-1.1102082	-1.0446528	1.0627321	DGRIV\GH121	XM_001991318.1
DM02465P3	0.12178715	1.132043	1.114067	-1.0082103		
DM03415P2	0.12184845	1.1222007	-1.1665304	1.3854846	DERE\GG219	XM_001974728.1
DM06688P1	0.12192396	-1.1393757	-1.1388855	-1.1656997	LOC1001219	XM_001605544.1
DM13724P3	0.12192994	1.5479206	-1.1039268	1.8777628		
DM00078P3	0.12193105	-1.060347	-1.0276377	-1.157311	LOC579320	XM_001189637.1
DM07206P1	0.12204391	-1.0659704	-1.0667574	-1.1746092		
DM08986P1	0.12208987	1.2749021	-1.4642394	1.0263433		
DM12518P1	0.12214613	1.1088543	1.108113	1.3069749		
DM02059P1	0.12215249	-1.2543591	-1.161841	-1.0465024	LOC551106	XM_623502.2
DM06942P2	0.12224354	1.3846525	-1.049088	-1.2724357		
DM02972P1	0.12227655	-1.1054016	-1.1344513	1.3542802		
DM10696P3	0.12243603	1.1370337	1.2162303	-1.0885394		
DM07120P3	0.12247501	-1.2457724	-1.1739823	1.2030443		
DM01918P2	0.12247901	1.2046473	1.0933632	1.134155	LOC1002158	XR_053725.1
DM02017P1	0.12248752	-1.076064	1.0109979	1.0172502	DMOJ\GI209	XM_002003789.1

DM01664P2	0.12250887	1.0951296	-1.0699271	-1.2424943	DMOJ\GI235\XM_001998534.1
DM12252P1	0.12254793	1.1788915	1.4698285	1.1826152	
DM00494P2	0.12257626	1.113011	-1.0261077	-1.1960099	TESK2 NM_001110476.1
DM06326P2	0.12265547	-1.9710617	-2.1747298	-1.805609	
DM11071P1	0.12266089	-1.1409907	-1.2305312	-1.3307545	
DM12096P4	0.12268604	1.3125116	1.307364	1.4475578	
DM11494P1	0.12273815	-1.0860646	-1.1586778	-1.1183882	
DM01211P1	0.12274045	1.1363051	1.3268634	1.519327	PFKFB1 NM_001143721.1
DM12370P2	0.12276427	1.0478516	1.0911326	-1.1607229	
DM07733P1	0.12280771	1.1777436	-1.0500765	-1.0010203	
DM00423P1	0.1228378	1.0330288	1.0210469	-1.1896223	NEMVEDRAFT XM_001641722.1
DM12753P1	0.12285124	-1.1814427	-1.0556885	-1.5063174	
DM10301P1	0.12289768	-1.4820017	1.2163905	-1.0643141	
DM04042P4	0.12291662	1.4034402	-1.0618736	-1.5852091	POPTRDRAFT XM_002335211.1
DM13315P1	0.12307597	1.1677997	-2.1223607	-1.4035163	
DM05247P1	0.12307888	-1.0321444	1.0614246	-1.249986	
DM01084P1	0.12307955	1.071427	-1.1407841	-1.0652881	
DM12129P1	0.12314361	1.1110587	1.1577291	1.078817	
DM03037P4	0.12314771	1.6642677	1.6257436	-1.0398748	
DM06840P2	0.12324346	1.4202355	2.368488	1.0620229	
DM08002P3	0.12328264	1.0776472	-1.01871	1.2665961	
DM08872P1	0.12331609	1.4462805	1.3453355	-1.0092518	
DM03359P1	0.12333085	-1.0577753	-1.4654136	1.2225214	DPER\GL179\XM_002024775.1
DM10835P2	0.12340509	1.0543298	-1.1651427	-1.1621907	
DM02734P1	0.12348161	-1.1586338	-1.1648291	1.0843327	AAEL_AAEL\XM_001654068.1
DM08512P2	0.12353816	-1.0681655	1.1972598	-1.0699592	
DM12442P2	0.12360549	1.0563048	1.0336341	-1.4391751	
DM01527P2	0.12371146	1.08745	-1.1320741	-1.1549746	PAPSS1 NM_001034210.1
DM12612P3	0.12372991	-1.2556103	-1.017235	-1.350114	
DM14104P2	0.12389027	-1.1943634	-1.1374915	-1.0495387	
DM04062P3	0.12390022	-1.1417845	-1.2642542	-1.2607553	
DM05739P1	0.12391346	-1.0423845	1.0261848	1.0835541	DYAK\GE247\XM_002096945.1
DM06710P2	0.12395289	1.0016034	1.7302402	-1.5149844	
DM11732P1	0.12395304	1.0158136	1.0166963	-1.2399056	
DM10550P1	0.12396029	1.0274696	1.2306623	1.4004107	
DM01994P4	0.12407236	-1.1961088	-1.0131692	1.2171335	RPS7 NM_200752.1
DM12974P2	0.12415715	1.5824368	-1.8382316	2.1868396	
DM05355P4	0.12417529	-1.0262538	1.0775054	-1.221503	TRIADDRAFT XM_002108018.1
DM05982P1	0.12418533	-1.0436184	1.026092	1.0882332	LOC1001195\XM_001603673.1
DM00275P1	0.12420804	-1.0537297	-1.0007497	-1.1736234	LOC659477 XM_965781.2
DM02982P3	0.12423465	-1.0745791	-1.208537	-1.0384877	LOC1000089\NM_001082173.1
DM02706P2	0.12432299	-1.0581194	1.2575696	1.1957803	
DM03863P2	0.12437985	-1.1922402	-1.175139	-1.4091299	DSIM\GD168 XM_002106283.1
DM10481P3	0.1244197	1.0494485	-1.2171221	-1.0808492	
DM14877P1	0.12442571	-1.6732118	-1.1622567	1.0704768	
DM13974P3	0.12442969	1.2090522	1.1699679	1.2567964	
DM07787P3	0.12445754	-1.0984292	1.0678529	1.160485	
DM04901P3	0.12447886	-1.1170026	-1.3109845	1.0997384	
DM15204P1	0.1244932	1.1814315	-1.4184844	1.1631148	
DM05754P1	0.12450146	-1.1371574	-1.4202276	-1.3910177	

DM05301P3	0.12461828	1.044006	-1.2527596	-1.2737541		
DM13910P1	0.1246606	1.1243799	-1.3709311	1.4790765		
DM08160P3	0.12466496	-1.0678276	-1.155757	1.3632833		
DM00614P2	0.12470894	-1.0761783	-1.2473302	-1.3484656	DBP80	XM_624943.2
DM03465P1	0.12472632	-1.9761493	-1.9082718	-1.7735082	DWIL\GK208	XM_002061251.1
DM08409P3	0.12473812	1.1444846	-1.7616743	-1.3218131		
DM03708P2	0.12479989	-1.1049896	-1.0917699	-1.2574804	METTL6	NM_152396.2
DM09582P4	0.1248111	-1.3699257	-1.2181888	-1.492761		
DM05958P1	0.12482268	-1.0976826	1.1280693	1.2679003	DPSE\GA150	XM_001352697.2
DM03894P2	0.12486619	1.1120405	1.1623433	1.1291595	LOC410635	XM_394112.3
DM08365P2	0.12489321	1.5459721	-1.1311707	-1.0994427		
DM06711P1	0.124953	-1.0045518	1.1917568	-1.272517		
DM05230P3	0.1249622	-1.0605639	1.4775567	-1.1066979		
DM02241P1	0.12519783	-1.0460671	-1.2014463	-1.3295679	LOC1001630	XM_001946396.1
DM12505P1	0.12528552	-1.0857508	-1.1221898	-1.2763913		
DM00364P3	0.12532741	1.0520065	1.0151482	-1.2230515	LOC733132	NM_001047079.1
DM03804P1	0.12533829	-1.1397117	1.0309895	-1.1680737		
DM04918P2	0.12535392	1.1910293	-1.3984451	1.0686648	PTPRN	NM_001130588.1
DM06364P2	0.12541412	-1.1955283	1.0345958	1.2768098		
DM14426P1	0.12548634	1.0984495	1.2289526	1.183235		
DM02980P3	0.12549269	-1.3230147	-1.2270701	1.0183266	DWIL\GK226	XM_002072051.1
DM01695P3	0.12555318	-1.3221635	-1.1050142	1.1433349	CYC1	XM_001661963.1
DM13970P1	0.12565756	-1.3677695	-1.1314473	-1.1515114		
DM04819P1	0.12568957	-1.3373435	-1.0294709	-1.1222488		
DM03609P2	0.12569357	-1.0255715	1.1603802	-1.0274323	LOC1001139	XM_001600409.1
DM02098P3	0.12570962	1.0701821	1.1014279	-1.1505231	VPS26	XM_396685.3
DM05915P1	0.12571007	-1.2810866	-1.0465081	1.254732		
DM06646P1	0.12573256	-1.2339195	-1.2695477	-1.5192442		
DM02558P3	0.12574762	-2.043825	-1.993551	-1.7458718	LOC582036	XM_782012.2
DM11371P1	0.12576337	1.0279801	1.1491247	-1.2274177		
DM08615P1	0.1257664	-1.7117195	1.0053034	-1.5819526	MTIF2	XM_001265260.1
DM11857P2	0.12582396	-1.0389903	1.158966	-1.1524003		
DM05508P3	0.1259812	-1.1890904	-1.0924143	1.1099163	AGAP_AGAP0	XM_313657.4
DM09705P4	0.12602215	1.8119651	1.7081858	1.2042978		
DM01491P3	0.1260688	1.064809	-1.0800418	1.01424	DWIL\GK163	XM_002067232.1
DM11333P1	0.12609749	1.200067	-1.0917699	1.1960769		
DM09801P2	0.12614727	1.1683916	1.4432635	1.4879572		
DM01362P1	0.1261616	2.0044582	3.0612078	1.1600007		
DM02916P3	0.12616548	-1.088356	-1.0798248	-1.209482	LOC1001154	XM_001599195.1
DM06759P1	0.12630895	-1.2301525	-1.251779	-1.4925312		
DM14633P3	0.12633675	1.0005369	-1.349014	1.4318993		
DM06467P1	0.12633766	1.0060545	1.0920244	-1.1763138		
DM03596P1	0.12641999	-1.0446243	-1.0438899	-1.0927943	DERE\GG188	XM_001977053.1
DM01662P1	0.1264333	-1.028797	-1.1863991	-1.1140963	TRIADDRAFT	XM_002110486.1
DM00403P4	0.12648875	-1.024521	-1.0040007	-1.1904048	RPC11	NM_001160530.1
DM09424P3	0.1264924	-1.012426	1.1028019	1.1865797		
DM10193P2	0.12650327	-1.0567749	1.018095	-1.1589684		
DM09548P1	0.12653568	1.0241796	1.1304045	-1.033104		
DM10434P2	0.12656255	-1.1632499	-1.0121683	-1.8390241		
DM12289P3	0.12657548	-1.0553038	-1.1795645	1.0654728		

DM09495P1	0.12658416	1.0762029	1.1248555	-1.1009707		
DM06227P1	0.12676093	-1.3538443	-1.1679448	-1.2738264	MSBP	NM_001168673.1
DM14302P2	0.12677243	-1.1968069	-1.115575	1.4294915		
DM12298P2	0.1268123	2.191223	1.8002028	1.5876696		
DM04552P3	0.1268347	-1.0775183	-1.3478947	-1.147222		
DM12835P1	0.12686849	1.2447091	1.533484	1.6671295		
DM06857P2	0.12695101	-1.149333	-1.0550567	1.3274611	CP37	NM_001172246.1
DM02640P3	0.12701389	1.2921182	1.0014772	1.1914316	LOC1001748	NM_001130902.1
DM07016P1	0.12702824	-1.1568947	-1.1088179	-1.1587727		
DM07984P1	0.1270442	-1.0577073	1.1267129	1.2324003		
DM08563P3	0.12705153	1.1127983	1.1023233	1.171269		
DM01968P1	0.12708177	-1.1700304	1.0792918	1.4532589	DANA\GF239	XM_001957652.1
DM06892P2	0.12708397	-1.3264967	1.0526294	1.3737282		
DM02199P3	0.12714164	-1.0864025	-1.155345	1.0362141	GNA	XM_001858577.1
DM00446P2	0.12717892	-1.0135334	1.2045089	-1.1524384	DCC	NM_001034985.1
DM09267P4	0.12731713	1.0081135	-1.0630177	-1.2366489		
DM08039P4	0.1273221	-1.0932306	-1.2678728	-1.0279754		
DM03853P2	0.12734275	-1.1253682	1.0373225	-1.0111482	LOC1001833	XM_002132085.1
DM12315P2	0.12748347	-1.1077169	1.0624285	-1.0821104		
DM06474P3	0.12748599	-1.1309713	-1.1242516	-1.3206422		
DM05358P1	0.12752068	-1.1314676	-1.2336402	1.051		
DM04095P3	0.12754542	1.3093321	1.176345	-1.5002733	BRAFLDRAFT	XM_002591642.1
DM05332P1	0.12759589	-1.263096	-1.1699516	1.0847604	BRAFLDRAFT	XM_002612393.1
DM12389P2	0.12761542	-1.1744357	1.090453	-1.1899822		
DM00703P4	0.12776391	-1.1790462	-1.208638	-1.0768989	LOC1001687	XM_001951915.1
DM09669P1	0.12778921	1.0826001	1.0454661	-1.2657157		
DM10829P2	0.12783632	-1.044432	-1.0069306	-1.2144572		
DM12212P2	0.12786786	1.0976301	-1.0299116	-1.114489		
DM09908P2	0.12788367	-1.0981342	1.0022107	-1.1870304	EIF4E1B	XM_866118.1
DM08000P2	0.12807067	-1.1118729	-1.2728223	-1.1829457		
DM04285P3	0.12810348	-1.1681683	-1.1314396	-1.1840144	LOC1001192	XM_001602988.1
DM03947P2	0.12813415	1.357326	1.1038742	1.0102975		
DM09186P1	0.12815551	-1.2465594	-1.055689	-1.0770533		
DM01416P1	0.12817235	-1.1652818	-1.095233	-1.1843711		
DM10119P2	0.12817836	-1.0911576	-1.0442947	1.2075437		
DM09927P2	0.12818481	1.0627078	1.3215871	1.2084943		
DM00872P1	0.12820165	1.0405477	-1.1818997	1.0825016	DYAK\GE194	XM_002090034.1
DM07316P3	0.12827758	-1.1136069	1.0775622	1.6092048		
DM14747P2	0.12830436	1.0711198	-1.1455353	1.0819314		
DM02573P2	0.12841298	1.1287704	1.4411542	1.7471198	LOC551465	XM_623860.1
DM01226P1	0.12841412	1.1066933	-1.3449225	-1.0908265	LOC412541	XM_395996.3
DM10905P2	0.12846774	-1.1790073	1.0113897	-1.1031144		
DM00752P1	0.12848985	-1.3091863	-1.2641855	-1.3348769	LOC588782	XM_001188820.1
DM01241P1	0.1285118	-1.1504204	-1.2214884	-1.3624368	2DGLU6P	XM_001662856.1
DM05438P2	0.12853439	-1.0480733	1.0055782	1.116847		
DM07227P4	0.12856336	-1.1024916	-1.0279018	1.0248153		
DM09056P3	0.1285663	1.1713631	1.3588715	1.3611426		
DM00019P1	0.1286016	-1.0979576	-1.1278926	-1.1033741	BRAFLDRAFT	XM_002611823.1
DM05881P1	0.12867232	-1.1575738	1.0171796	1.0953892	LOC724531	XM_001119886.1
DM09819P1	0.12880312	1.3261045	1.2815394	1.1065059		

DM01013P1	0.12893811	-1.152638	-1.2200153	1.0039657		
DM07668P1	0.12897629	-1.0932645	1.0310211	-1.2259487		
DM03881P3	0.12909852	1.0575645	1.5898335	1.7090482	LOC663540	XM_969580.1
DM05970P4	0.12922996	-1.0964026	1.0584682	-1.2136538	UGP	XM_001899686.1
DM03431P3	0.12932388	1.081455	-1.2348955	-1.0392627	DANA\GF133	XM_001960333.1
DM05186P1	0.12941833	-1.0060372	-1.1568007	-1.0642798		
DM07627P2	0.12943786	-1.047811	1.1096697	-1.1208427		
DM08637P1	0.12951027	1.0273616	-1.3010107	1.0022049		
DM00098P2	0.12954928	-1.1079222	-1.1051475	1.0280575	P38MAPK	NM_001142865.1
DM15325P1	0.12958534	-1.1161746	-1.1552105	1.1047983		
DM03560P4	0.1296232	1.0903742	1.1191164	1.2635158	DGRI\GH105	XM_001988489.1
DM08884P3	0.12966736	-1.9219245	1.2522321	-2.9686437		
DM06043P3	0.12973227	1.0243068	-1.0558213	-1.3015865		
DM01478P1	0.12976092	1.0611626	1.0426382	-1.0586247	ACYPI00762C	NM_001162251.1
DM09446P3	0.12978072	1.3214931	1.8370438	-1.0030121		
DM08031P1	0.12982175	-1.1060591	1.4508332	-1.3218949		
DM00081P1	0.1298501	1.0543348	1.148743	1.2603736	LIAS	XM_536255.2
DM15247P1	0.12992448	-1.0885228	-1.2707266	-1.4314513		
DM00549P3	0.13002044	1.0757492	-1.2826428	-1.190974	LOC1001800	XM_002121145.1
DM11195P2	0.13006596	-1.0341108	-1.0344089	-1.8012259		
DM05654P2	0.13012534	-1.1110785	-1.0897775	-1.1994647		
DM11988P2	0.13024588	-1.0017337	1.1746749	-1.2825788		
DM01300P2	0.13025787	1.0463252	1.0652174	1.1791902	CPIPJ_CPIJ01	XM_001862572.1
DM11388P1	0.1303754	-1.024429	1.1127481	-1.1443918		
DM05460P2	0.13039318	1.1254439	-1.1706934	1.0805593		
DM03974P1	0.13053569	1.073341	1.2243787	-1.0300274		
DM06045P4	0.13056636	-1.0500078	-1.3506382	-1.1632544		
DM05259P2	0.13057096	1.1354508	1.1310596	1.0754901		
DM08611P1	0.13058424	1.1124016	1.1648023	-1.0295898		
DM00381P3	0.13069528	1.164186	1.0913368	1.119886	DMOJ\GI197	XM_002004127.1
DM12545P3	0.1308896	1.3523852	-1.2207959	1.5517998		
DM09849P1	0.13100663	1.1108595	1.2044961	1.2283627		
DM04495P4	0.13102831	1.4193697	1.1727009	1.5246664		
DM04849P2	0.13104421	-1.1516558	-1.0384111	-1.4058208		
DM12131P1	0.13104592	-1.0941932	1.1904049	-1.0111988		
DM02841P2	0.13109423	1.1427892	1.1900775	1.0786237	LOC412384	XM_395842.3
DM01097P2	0.13110974	1.0545205	-1.1303681	-1.0875198	BRAFLDRAFT	XM_002600522.1
DM03014P4	0.1311884	-1.0324788	1.0267804	-1.2620018		
DM14586P3	0.13121559	-1.0490305	-1.340996	1.2199152		
DM07295P3	0.13123502	-1.479624	-4.0035844	-1.3651975		
DM04143P1	0.13123901	1.1940807	1.2384722	1.2311611		
DM10106P1	0.13126497	-1.1556929	-1.02642	-1.2065682		
DM11078P4	0.13140173	1.1467161	1.1363143	-1.211259		
DM09478P1	0.13142191	-1.1790245	-2.0904782	1.0377874		
DM04553P1	0.13150698	-1.1561407	-1.135604	1.2491698		
DM00759P3	0.13155285	-1.0015564	-1.016359	-1.1760712	DANA\GF125	XM_001958746.1
DM01568P3	0.13158222	-1.0734643	-1.1594675	-1.1049778	TER94	XM_392892.3
DM02743P2	0.13158433	-1.0229405	-1.2756791	1.0391649		
DM10813P1	0.13162392	-1.1780065	-1.1332443	-1.0916901		
DM12408P2	0.13168192	-1.1199775	1.0620872	1.1366433		

DM11026P1	0.13192692	-1.0137733	-1.014827	-1.2514005		
DM06878P3	0.13193597	1.2434824	1.3646023	-1.0671767		
DM11090P3	0.1319603	1.0187799	1.2732791	1.0494688		
DM07790P1	0.13198999	-1.3934402	-1.3337506	-2.1441503		
DM05173P1	0.13206449	1.3031608	1.4728335	1.3624282		
DM10375P3	0.13213927	1.0002203	-1.0105873	-1.1597742		
DM08265P1	0.13214588	-1.4708933	-1.2555189	2.22982		
DM09522P3	0.13214684	1.2029119	-1.0183867	-1.0748714		
DM05215P2	0.13215913	-1.0856858	1.0551544	-1.2588071		
DM11945P1	0.13217703	1.004408	1.1133782	-1.0883262		
DM10560P2	0.13225824	1.1395078	-1.0107647	1.4740855		
DM05252P2	0.13231117	-1.2781537	-1.2489073	-1.1652491	LOC763607	XR_025805.1
DM05244P4	0.13239513	1.076451	-1.1705054	1.0855917		
DM09513P1	0.13242474	1.2681149	1.032842	-1.045559		
DM06709P1	0.13242933	2.7074158	5.238744	1.9013277	PF13_0201	XM_001350052.1
DM13248P3	0.13244157	-1.0571524	-1.1923296	-1.2798296		
DM00555P3	0.1324745	-1.1821399	-1.2273465	-1.1804578	TRIADDRAFT	XM_002117028.1
DM02816P3	0.1324974	1.222272	1.1585878	1.0887455	DYAK\GE119	XM_002091855.1
DM09298P1	0.13249858	1.0344794	-1.1336011	-1.2832949		
DM00687P3	0.13255435	1.1130651	1.1675341	1.1836029		
DM03996P2	0.1327002	1.2709974	1.0771164	-1.027148		
DM11836P3	0.13272552	1.2377359	-1.1326232	-1.0085084		
DM11384P2	0.1327611	1.114135	-1.0563952	-1.0487942		
DM07321P4	0.13276301	-1.2474147	-1.0700616	-1.0204811		
DM05284P3	0.13278984	1.2835628	1.4353305	1.3162745		
DM12379P1	0.13282521	1.0592227	1.3599926	1.8347048		
DM13747P3	0.13286178	-1.0177578	-1.0997235	-1.2576437	NUDT6	NM_153561.2
DM01181P2	0.13292457	-1.0923797	-1.0664686	-1.1602534	AGAP_AGAP0	XM_001687808.1
DM06998P2	0.13296796	1.009902	-1.1321316	1.4106649		
DM06653P1	0.13303539	2.111762	3.5296364	-1.0874513		
DM06356P1	0.13312379	-1.0686076	-1.0932378	-1.2039459	DSIM\GD217	XM_002079858.1
DM05671P3	0.13312988	1.0071654	-1.2115333	-1.1926365	DVIR\GJ2223	XM_002050551.1
DM05487P1	0.13313861	-1.0439665	-1.0626556	-1.1843897		
DM04508P3	0.13316597	-1.0683768	-1.0957751	-1.2133666		
DM10436P1	0.13325752	1.0343709	-1.0835308	1.2033192		
DM08708P2	0.1332734	1.2430938	1.0577543	-1.0270294		
DM08504P1	0.13328308	-1.1221772	-1.0675449	1.2080061		
DM02522P2	0.1332849	-1.1647676	-1.0492729	1.2052039	DPSE\GA288	XM_002134015.1
DM00573P1	0.13329609	1.0274388	1.0090679	1.1245242	DANA\GF205	XM_001965788.1
DM08667P4	0.13329957	1.0950507	-1.0985445	-1.0859542		
DM09525P1	0.1333103	-1.0123796	-1.1005532	-1.2321471		
DM08898P2	0.13335499	-1.0483519	1.225896	-1.0471945		
DM06250P1	0.13338247	1.4018253	1.5403136	1.3968055		
DM03613P3	0.13339399	-1.0245783	-1.0649426	-1.0030539		
DM04180P2	0.13343973	-1.1303179	1.0303698	-1.0232435		
DM09343P1	0.13344824	1.0679965	-1.0318056	-1.3175095		
DM06874P4	0.13345642	1.3826095	1.5147134	1.1537807		
DM04712P1	0.1334611	-1.2255484	1.2554233	-1.974273		
DM00959P1	0.13346587	1.0411668	-1.1117262	-1.0519712	TXNRD1	NM_001122669.1
DM06791P3	0.1334704	1.0392156	1.0289882	1.3818167		



DM02835P1	0.13350116	1.1774068	-4.9776917	-1.0542047	DVIR\GJ2271 XM_002052211.1
DM00365P4	0.13361667	1.1835849	-1.1835256	1.0997179	LOC1002094! XM_002158275.1
DM09431P1	0.13365637	-1.0019872	1.1470451	-1.1001388	
DM09413P2	0.13366202	1.1155062	1.0116503	-1.2030351	
DM12311P1	0.13374643	1.0279037	-1.0595771	1.2469391	
DM02141P4	0.13388593	-1.2214478	-1.1647393	-1.0511479	LOC1001590 XM_001951824.1
DM09441P1	0.13393134	-1.2146084	-1.0812562	-1.2182971	
DM12229P2	0.13396242	1.4275098	1.2837262	1.8716031	
DM00468P2	0.13403273	1.0049831	-1.1364396	-1.1157111	TRIADDRAFT XM_002108111.1
DM00055P3	0.1340474	-1.0359052	-1.0173903	-1.1706889	LOC656519 XM_963045.2
DM09663P3	0.13406853	1.0338404	1.0788692	-1.2250513	
DM02579P4	0.13409556	-1.0850487	-1.485852	-1.0277334	DESAT1 NM_169467.1
DM05764P2	0.13410825	-1.4575793	-1.4988714	-1.6358318	DGRIV\GH221! XM_001994312.1
DM08999P1	0.13414542	-1.1112759	-1.1108025	-1.2394034	
DM04817P3	0.13416664	1.4461691	-1.2931014	1.2191972	
DM00761P3	0.13417056	1.0090522	-1.2511274	-1.2087847	
DM13361P3	0.13420367	1.0432262	1.2318605	1.0961137	
DM06112P1	0.13423832	-1.1613486	1.0913982	-1.1926863	CELE_ZK550. NM_070661.2
DM00077P2	0.13426714	-1.2740186	-1.2828269	-1.3397768	
DM06843P3	0.134339	-1.0270289	-1.0274038	1.1522663	
DM14826P2	0.1343442	-1.0313413	1.1381605	1.4305925	
DM10114P3	0.13435283	-1.3240842	-1.2396544	-1.156269	
DM08384P3	0.13440643	1.269051	1.3041606	-1.2294551	
DM08385P1	0.13454409	1.0360881	-1.0819674	-1.1482168	
DM02898P3	0.13454577	-1.0618279	-1.3673472	1.072253	AGAP_AGAP0 XM_309822.4
DM12686P2	0.13471197	1.0680329	1.0145302	-1.209486	
DM04045P2	0.13474382	-1.050415	1.1442827	-1.0838728	FKBP59 XM_395748.3
DM00543P1	0.13478099	-1.0645893	1.00364	-1.2577726	AGAP_AGAP0 XM_308462.4
DM00546P3	0.13479644	-1.0952957	1.0354352	1.0389795	CPIPJ_CPIJ01 XM_001863291.1
DM09567P3	0.13479677	1.1801825	1.072305	-1.1777765	
DM11947P3	0.13484378	1.0657253	1.0763445	-1.1365861	
DM12705P2	0.13493668	1.0817637	1.0827091	-1.0799903	
DM10514P3	0.13504252	-1.0488691	-1.0730938	-1.1269543	
DM01873P2	0.135151	-1.0055902	1.0237621	-1.1225533	
DM14795P1	0.13516209	-1.2262391	-1.0637012	1.1889277	
DM06444P1	0.13527563	-1.0298463	1.0095896	1.2763029	DANA\GF210 XM_001963856.1
DM10350P3	0.1352929	-1.0467523	-1.188872	1.038415	
DM09203P2	0.13530101	-1.0466983	-1.0070713	1.2003139	
DM12850P1	0.13537157	-1.1531597	-1.1180553	-1.2848616	
DM01889P4	0.13542004	1.2887805	1.0876473	-1.0856229	PAPSS2 XM_543589.2
DM15008P2	0.13553463	1.1526974	2.1316195	-1.1611841	
DM11546P1	0.13557301	1.1566734	-1.7688156	-1.0775754	
DM05205P2	0.13560794	1.1757125	1.1652715	1.1173031	
DM10784P3	0.13565077	1.058997	-1.1396824	-1.1062398	
DM09740P1	0.1357934	1.0191796	1.4197947	-1.1622078	
DM05135P1	0.13582104	1.0309421	1.0572757	-1.1229185	
DM03040P4	0.13586046	-1.2738212	-1.055141	1.1379197	ALAS1 NM_201287.1
DM02785P2	0.13589408	-1.0470905	-1.0105025	1.3735508	
DM09318P2	0.13589963	1.0493866	1.236788	1.1372449	
DM01428P2	0.13594946	-1.1559485	-1.0371953	-1.1444546	LOC1001670 XM_001948875.1

DM02599P2	0.13604458	1.1493522	-1.0449358	1.1884152	LOC1001748	NM_001130902.1
DM08439P3	0.1360587	-1.242221	-1.4085468	-1.4609472		
DM05005P2	0.13609147	1.3710594	-1.0639522	1.0203406		
DM14842P3	0.13616438	1.1137931	1.2093971	1.6284513		
DM04228P1	0.13622035	-1.0552034	-1.0757065	-1.2485596		
DM12113P3	0.136271	-1.7763659	-1.42408	-1.6546192		
DM08086P3	0.13630398	-1.7369981	-1.5934705	-1.181349		
DM00598P3	0.13642962	-1.0034772	-1.483591	1.0362464		
DM06400P3	0.13644409	-1.0637555	1.1549349	-1.0816193		
DM14578P1	0.13644668	1.5328044	2.3409028	1.1678575		
DM01384P2	0.13645098	-1.2205719	-1.234825	1.3178576	LOC1001808	XM_002122993.1
DM09283P1	0.13658555	-1.3914143	1.0136088	1.2165173	MSDH	XM_001652336.1
DM15004P1	0.13661939	-1.060876	-1.0170717	1.0902832		
DM02303P2	0.13662028	-1.1976202	-1.2171036	-1.2305472	LOC1001204	XM_001607794.1
DM11768P1	0.13662392	1.1393809	1.0584316	-1.3365463		
DM14930P3	0.13678546	-1.1128387	1.0150039	1.2078342		
DM14726P2	0.13681893	-1.2594291	1.0979002	1.1919645		
DM00264P2	0.13684723	1.0081415	-1.07383	-1.1482598	LOC586477	XM_001177867.1
DM01989P3	0.13696484	-1.0290587	1.0449157	1.1729307	RPS25	XM_001654636.1
DM11324P1	0.13702099	-1.2493194	-1.2120943	-1.043268		
DM04632P1	0.1370318	1.1079088	-1.0302879	-1.1017883		
DM01998P1	0.13703479	1.051395	-1.6031619	1.042199		
DM00731P1	0.13710819	-1.0286117	-1.0429147	-1.1854429	DPER\GL128	XM_002022535.1
DM06686P1	0.13712573	1.0079323	1.0978781	1.5772424		
DM01153P3	0.13713409	-1.2300472	-1.0452526	-1.3010579	LOC1001590	XM_001945442.1
DM09243P4	0.13716504	-1.1708103	-1.0069262	-1.0267435		
DM12560P2	0.1371946	1.204647	1.1141585	-1.0298649		
DM07834P1	0.13725108	1.0789484	-3.5074422	1.2566861		
DM01970P1	0.13731644	1.0167581	-1.0166532	1.0247637	LOC448984	NR_002170.3
DM12913P2	0.13733856	-1.117478	-1.0559736	-1.2770619		
DM07725P4	0.13737036	1.1362704	-1.0916907	1.6647825		
DM00378P3	0.13749956	1.1237442	-1.0521221	-1.1138278	AATS-GLUPR	XR_014915.1
DM08804P3	0.13755402	1.0848484	-1.1928163	-1.3437381		
DM08538P1	0.1376269	-1.0728916	1.0703132	1.009825		
DM07270P3	0.13766414	1.1938297	-1.1728733	-1.1643691		
DM12288P1	0.13767	1.0283283	-1.5902234	-1.1104884		
DM11848P1	0.13768858	1.0142752	-1.3321402	-1.1010065		
DM14944P2	0.13781117	1.2322608	1.3440335	1.1910473		
DM01943P2	0.13788433	1.0071774	1.0237164	-1.0911111	DVIR\GJ1459	XM_002051116.1
DM01569P1	0.13794969	-1.1836224	-1.0301518	1.1125021	NEMVEDRAFT	XM_001641809.1
DM08288P1	0.13816428	-1.0210712	1.007208	1.0508251		
DM09182P1	0.13821054	1.0853863	1.0569078	-1.0853837		
DM15329P3	0.13826032	-1.1016531	-1.3581481	-1.1519758		
DM15061P1	0.13841443	-1.214297	1.1264607	1.4035715		
DM09504P1	0.13843217	1.0510474	1.1546856	1.3815145		
DM10924P1	0.13845755	-1.1336159	-1.2246288	-1.1365135		
DM10326P4	0.1384835	-1.0300262	-1.3641634	1.0905579		
DM12861P2	0.13850617	1.0994365	-1.1037213	-1.1555414		
DM10495P1	0.1385165	1.234071	1.0950115	-1.0920249		
DM15280P2	0.13870624	-1.1762381	-1.1104109	1.0431805		

DM11782P1	0.13903992	1.0539463	-1.0460275	1.2637727		
DM01838P2	0.13908765	-1.03214	1.1067212	-1.0585111	SNAP	XM_625205.2
DM09660P2	0.13918379	1.2180203	1.3821336	1.1664903		
DM08118P4	0.13924183	-1.0812886	-1.126101	1.3005447		
DM07177P1	0.13924372	1.0991389	1.2241096	1.2677583		
DM13665P2	0.1392924	-1.071277	1.218952	1.1444442		
DM12444P2	0.13934489	1.02384	1.130506	1.440806		
DM05551P1	0.1393904	1.091113	1.1698318	-1.0769591		
DM11249P1	0.13939238	1.8446515	-1.0026015	2.850872		
DM07804P1	0.13942677	1.04436	1.2226143	1.3276852		
DM06597P2	0.13954444	1.160391	1.8162184	-2.1758637		
DM01041P2	0.13959058	1.315701	-1.477474	1.4292421	LOC413054	XM_396505.2
DM04888P3	0.13960482	-1.0318388	1.0057716	-1.3618071		
DM00267P1	0.13961983	1.0014297	1.0450273	-1.1480163	RHBDD1	XM_001865677.1
DM10221P3	0.13962016	-1.512543	-1.1105471	1.0292598		
DM08592P2	0.13966548	-1.2283639	-1.1822628	-1.2651529		
DM14789P2	0.13966574	-1.0228378	1.3218704	1.2274183		
DM15237P2	0.13968576	-1.1648686	-1.1232404	1.045203		
DM06632P1	0.13985765	1.0308349	-1.0576357	-1.1391075	ETFB	XM_001845381.1
DM10778P4	0.14000443	-1.2512028	1.0137806	-1.2396721		
DM03231P3	0.14006068	1.0962218	1.0093411	-1.1421858		
DM04735P3	0.14012645	1.156293	1.2770039	1.4285719		
DM02732P2	0.14013852	1.0978445	1.2302322	-1.0089376	NFYA	NM_001082795.1
DM05073P4	0.14019945	-1.0503625	1.2123071	1.1142938	SAP30L	NM_214703.1
DM14376P3	0.14020085	1.1816705	1.0400774	-1.0562439		
DM00256P1	0.14023946	1.2028927	-1.2559565	-1.0727831		
DM11162P1	0.1403749	1.0278342	1.168093	1.2295322		
DM11503P1	0.14037697	1.2988845	1.5528902	-1.168482		
DM11501P2	0.14037804	1.0243561	-1.113049	1.1991677		
DM10741P2	0.1403908	-1.0181282	-1.2573472	-1.0480419		
DM11398P2	0.14039816	1.1862918	1.059623	1.0123448		
DM10081P1	0.14043649	1.0420612	-1.0279597	-1.189752		
DM00534P1	0.14043981	-1.187253	-1.2109157	-1.250232	LOC551725	XM_624113.2
DM04039P1	0.14047706	-1.0636176	-1.1445446	-1.3341175	PK	XM_001662663.1
DM07731P1	0.1406751	-1.053318	-1.299604	-1.0360826		
DM09161P2	0.14076632	-1.2811115	-1.0599422	-1.1120919		
DM08124P1	0.14086598	1.0109135	1.1268376	1.1229703		
DM12295P3	0.14096726	1.1285207	-1.5291141	2.2147858	NB001	XM_002158539.1
DM05282P3	0.1410186	-1.3065897	-1.3850374	1.9111176		
DM08380P2	0.14111124	-1.6729287	-1.8600558	-1.5521506		
DM05390P2	0.14154215	1.4314581	1.2381824	1.1541244		
DM05790P2	0.14158198	-1.1429752	-2.0880814	-1.2093565		
DM08893P3	0.14168176	1.2181295	1.936725	-1.4554049		
DM08468P1	0.14175858	-1.1364079	1.012334	1.1053969		
DM06798P1	0.14181782	1.2754371	1.3657728	1.2999436		
DM07334P2	0.14185955	1.0010657	1.1769656	1.0416914		
DM04302P2	0.14187141	1.1406653	1.120559	-1.1340237	LOC594000	XM_793453.2
DM14433P1	0.14193101	-2.1195714	-1.2018403	-2.2308567		
DM11173P1	0.14199282	-1.0123246	1.6403502	1.521858		
DM05879P4	0.14212728	1.1343907	1.0717747	1.2412728	DANA\GF210	XM_001963856.1

DM09282P2	0.14218013	1.2188344	1.0137345	-1.2032237	
DM14390P2	0.14220053	1.1678714	1.4930327	1.4067627	
DM08294P1	0.14222202	1.0332983	1.1949705	1.139835	
DM04694P2	0.1422636	-1.0139254	1.1414597	-1.088303	
DM09299P1	0.14244474	1.1239539	-1.0147043	-1.0956687	
DM09704P3	0.1424738	-1.1403922	-1.115947	1.0219831	
DM11142P2	0.14253546	-1.1741674	-1.2261206	-1.1948735	
DM09012P2	0.1425409	-1.2737323	-1.2656159	-1.0454996	
DM14389P1	0.14256856	-1.1209375	1.0470434	-1.0917068	
DM09438P1	0.14262556	1.0164838	-1.0326804	-1.3166867	
DM02285P3	0.14265315	1.0209095	-1.4226109	1.3256081	DPER\GL2247 XM_002024668.1
DM04077P2	0.1426794	1.4497321	1.5798001	1.6306337	
DM10788P2	0.1427152	-1.2960794	-1.1060772	-1.042258	
DM00463P1	0.14273366	-1.2283783	-1.1727017	1.0022099	DERE\GG100 XM_001969385.1
DM01315P3	0.14277469	1.0685949	1.0705401	-1.2138134	SLC39A6 NM_001144092.1
DM08522P1	0.14279255	1.003158	-1.6293739	1.4780464	
DM14016P1	0.14291923	-1.2999063	-1.1151768	-1.0110649	
DM04065P2	0.14295131	1.3533989	1.5170554	1.697875	
DM09606P1	0.14302187	1.1256709	1.7382568	1.059757	
DM01610P2	0.14309616	-1.346023	-1.2531213	-1.123669	DWIL\GK127 XM_002074169.1
DM01603P4	0.14312163	-1.0262803	-1.1844716	-1.1979294	RPS16 XM_416113.2
DM10270P4	0.14313231	-1.1740811	1.5521072	1.3514122	
DM02788P2	0.14314577	1.1191646	1.1778404	1.3393936	
DM12016P3	0.14318226	1.1076987	1.2226379	-1.019512	
DM01997P1	0.1432059	-1.029497	-1.1775982	1.0801756	AAEL_AAEL0C XM_001652036.1
DM02073P2	0.1432154	-1.5043185	-1.2949516	-1.1208277	
DM01332P1	0.1433438	-1.160148	-1.2373879	-1.0109509	NDUFA2 XM_001140839.1
DM06870P2	0.14335516	1.359107	-1.9487259	1.6883658	
DM12653P1	0.1433598	1.1671281	1.2692968	1.1533674	
DM01508P1	0.14342546	-1.0314199	1.0413992	-1.1814528	ORC1L NM_001088337.1
DM00715P1	0.14354905	-1.0829773	1.1730008	1.1514015	DSIM\GD161 XM_002106308.1
DM09788P2	0.14366995	1.074106	1.3002744	-1.0503585	
DM08836P1	0.14376484	1.1823509	-1.1711719	-1.1402382	
DM00404P3	0.14381133	-1.0202006	-1.2017407	1.0058542	ISCW_ISCWC XM_002411339.1
DM08632P2	0.14382586	-1.1515136	-1.2736335	-1.0565149	
DM04213P2	0.14385742	-1.0384353	1.0604078	-1.1053393	
DM03429P2	0.14388646	-1.2372812	-1.2641716	-1.1414713	ADAM10 XM_393114.3
DM01359P3	0.14409631	-1.1931005	-1.0419387	-1.0117146	DANA\GF104 XM_001957527.1
DM13582P3	0.14410096	-1.1178646	1.0290322	1.2255644	
DM14102P1	0.14413106	-1.1890703	-1.025484	-1.0275729	
DM09506P4	0.14414299	-1.0114156	1.0532309	-1.360108	
DM02221P1	0.14415	-1.197532	-1.3216673	1.0149685	DMOJ\GI236C XM_001998462.1
DM01279P2	0.14415373	-1.0267903	-1.2700553	1.0632542	VINC XR_014976.1
DM07661P2	0.14421546	1.4956686	1.5072792	1.3754205	
DM02227P1	0.14427333	-1.2760854	-1.2239755	-1.4643201	LOC10008237 XM_001513737.1
DM04971P3	0.14427409	-1.074141	-1.2683386	-1.5230367	
DM11981P2	0.14428568	1.5204594	1.9239178	1.637215	
DM10688P4	0.14431284	-1.0280758	-1.1087058	1.2028211	
DM04881P2	0.14446042	1.4778149	-1.0437379	1.2571623	
DM11404P3	0.14453617	1.1103904	-1.1100271	-1.2523112	

DM08495P1	0.14453693	-1.1555275	1.352827	-1.875615	
DM08256P1	0.14458244	1.1771734	-1.0437188	1.1441144	
DM05160P2	0.14460838	-1.1948442	-1.0007309	1.4909588	
DM01027P1	0.14463441	-1.0238479	-1.0536398	-1.177413	CPIPJ_CPIJ01 XM_001863292.1
DM11849P4	0.14464195	1.4761705	1.772549	1.2921286	
DM06410P4	0.14466383	1.0332845	1.3781163	-1.1201091	
DM00699P3	0.14467248	1.1297108	-1.0595192	1.2055187	ISCW_ISCWC XM_002415761.1
DM08939P1	0.14486729	1.5670557	-1.435567	2.5924792	
DM09996P4	0.1449545	1.0049855	-1.1845281	-1.3899469	
DM06822P2	0.14497913	1.6787741	2.4808118	-1.2461045	
DM09864P2	0.14499545	1.4479188	1.7772626	1.0975969	
DM07777P4	0.14503427	-1.117257	-1.0265999	-1.0317051	
DM02660P2	0.14505228	1.0033144	-1.2184309	-1.1081685	LOC496320 NM_001095475.1
DM04920P1	0.14505297	1.1264368	1.0788685	-1.1508188	
DM10700P2	0.14505357	1.0210365	1.1979613	1.286636	
DM08992P1	0.14507431	-1.0688435	1.1903706	-1.0352858	
DM03289P1	0.14513686	-1.0517869	1.0377924	-1.1469431	
DM10066P3	0.1451554	1.3309495	-1.4198886	-1.0053838	
DM06097P4	0.14516978	1.0800732	1.1083531	-1.1679807	
DM04167P4	0.14518015	1.1149685	-1.2672628	1.0423509	LOC1002177'XR_053953.1
DM10757P3	0.14524259	1.1925123	-1.3302547	1.1747792	
DM04720P1	0.14525406	-1.1094491	-1.116947	1.0392368	
DM01547P3	0.14531244	-1.1185586	-1.1546166	1.0061374	DPSE\GA209! XM_001361784.2
DM09950P1	0.14535415	-1.1540207	1.0474026	-1.1777282	
DM02605P2	0.14545088	-1.0612768	-1.0643474	1.0641974	LOC1000250! XM_001365301.1
DM15079P1	0.1454611	-1.0041788	-1.1402521	1.0309905	LOC1000303! XM_001379856.1
DM02388P1	0.14547107	-1.1562419	-1.0027312	-1.1361148	RNF31 XM_396907.3
DM10342P3	0.14547157	-1.0243561	1.1286286	1.1635036	
DM14861P1	0.1455129	1.1652018	-1.1138366	-1.197302	
DM00612P2	0.14552507	-1.1233549	-1.0959892	-1.2746305	DMOJ\GI106! XM_002001089.1
DM08556P4	0.14560851	-1.1376988	-1.123794	-1.1670539	
DM00369P3	0.14561763	-1.1604271	-1.0734371	-1.3086454	DBP80 XM_001845264.1
DM07715P1	0.14563298	-1.0063182	1.0427225	-1.1349629	
DM02610P3	0.14564884	1.1795958	1.1912241	1.2924434	
DM09180P1	0.14565736	-1.1863672	-1.0744976	-1.3120497	
DM00384P1	0.1457523	1.02862	1.0719734	-1.1433126	LOC1002611! XM_002283997.1
DM07095P3	0.14575937	1.2014458	1.7775302	-1.1066632	
DM06642P1	0.1457615	1.3103596	1.5827161	1.50014	
DM04304P2	0.1458016	-1.1172003	-1.0906979	-1.0465531	ATKRS-1 NM_112003.3
DM12884P1	0.14588048	1.0534714	-1.1512032	-1.1580777	
DM12328P3	0.14590678	-1.0677326	1.1291895	1.005388	
DM09862P2	0.14592804	1.0608106	-1.0979584	1.2583578	
DM13317P1	0.14598979	1.2180104	-1.1194702	-1.0764922	
DM06133P3	0.14604627	-1.0661463	1.168926	1.2738289	
DM04980P3	0.14605549	1.1103851	-1.1242942	1.0606558	
DM10139P1	0.1460801	-1.2452251	1.0350227	1.19062	
DM08283P1	0.14622785	-1.3882787	-1.238395	-1.0222433	
DM05387P1	0.14628996	-1.0764167	-1.050151	1.064658	
DM13588P3	0.14641587	-1.1443368	-1.0540308	1.1862464	AGAP_AGAP0 XM_557898.3
DM11258P1	0.14644945	-1.1232632	-1.1860594	-1.1378946	

DM11932P1	0.14647669	1.2618743	1.1004443	-1.1504167		
DM06650P2	0.14648293	-1.0853873	-1.1345773	1.2385484		
DM02064P3	0.14651524	1.2210975	1.0648904	1.4372034	RHO	XM_001863451.1
DM03522P3	0.14658198	-1.5082067	-1.6472477	-1.5604056		
DM05832P2	0.14662364	1.1485627	1.1252631	1.0120307	DWIL\GK239	XM_002064525.1
DM01924P1	0.14664018	-1.0308034	-1.1823655	1.0024457	LOC579469	XM_001198137.1
DM05710P1	0.14670913	1.1067637	1.3032871	1.1633096		
DM00415P3	0.14677492	-1.2338753	-1.1221914	-1.2104733	DRG2	XM_001662307.1
DM09262P3	0.14678101	1.0504397	1.1156199	-1.0987496		
DM04820P1	0.14707683	1.0994084	1.3013531	1.1027502		
DM03424P3	0.14716235	-1.0594143	1.0783497	-1.0711308	NCBP2	XM_001557095.1
DM06173P1	0.14724284	-1.0715591	-1.2692082	1.0100209		
DM14350P2	0.14735505	1.2570238	-1.0508611	1.3859094	LOC1001144	XM_001599417.1
DM10005P2	0.14739111	-1.0506117	1.1735535	-1.0959727	KPOL_1045P	XM_001645882.1
DM11283P1	0.14742133	1.0764153	-1.1441169	-1.6496915		
DM04356P2	0.14744785	1.1557833	1.2054497	1.4170488		
DM14661P1	0.14751571	1.0158243	1.2324122	1.3839569		
DM01031P1	0.14766161	-1.3071643	-1.2557776	-1.0036632	TRIADDRAFT	XM_002118562.1
DM03377P2	0.14766628	-1.2137028	-1.4016211	-1.1011841		
DM04866P3	0.1476937	1.1574566	1.121774	1.126664		
DM01294P1	0.14772706	-1.2266617	-1.0657996	-1.1549441	BRAFLDRAFT	XM_002610139.1
DM10796P3	0.1477519	1.3035752	-1.1424854	1.158852		
DM10149P4	0.1477984	1.1390718	-1.1537547	-1.4417179		
DM07138P2	0.14784516	2.2199883	4.334975	1.5063903		
DM03340P2	0.14785224	-1.0139412	1.043684	-1.1852618		
DM01086P2	0.14792061	1.0878878	-1.2097719	-1.1604309	HMGCR	NM_204485.1
DM10683P3	0.14798123	1.2068648	1.0341036	1.0110925		
DM08752P1	0.1480829	-1.1703769	-1.1299851	1.250217		
DM03000P1	0.14813182	-1.4053012	1.0136542	-1.0288173	TRIADDRAFT	XM_002110788.1
DM07818P1	0.14822778	-1.1750399	-1.4319682	1.2016487		
DM00036P3	0.14842065	-1.2098027	-1.1808423	-1.1670206	LOC1001181	XM_001607804.1
DM13319P2	0.14842731	1.0482643	1.6082817	1.1895243		
DM00908P3	0.14844333	-1.0273235	1.2278736	1.091402	LOC1001210	XM_001604542.1
DM14898P3	0.14853132	1.2548847	1.600425	1.6784097		
DM02632P3	0.14860426	1.1186614	-1.0551369	1.1374243	MLC-C	XM_623501.2
DM09390P2	0.14863051	-1.050507	-1.2049129	-1.0995662		
DM09242P2	0.14868669	-1.0177828	1.0368696	-1.0722038		
DM04376P1	0.14873412	-1.0157362	-1.4819973	1.0463123	LOC584915	XM_795219.2
DM11671P1	0.14873932	1.091871	1.0086153	-1.2727672		
DM14924P1	0.14874929	1.1176356	1.2496958	-1.0396641	DVIR\GJ1027	XM_002056321.1
DM13640P1	0.14880575	-1.1527919	-1.1008652	-1.1668106	DVIR\GJ2177	XM_002049737.1
DM11800P1	0.14883153	-1.1391422	-1.1189542	-1.2117974		
DM11203P2	0.14885321	-1.2029444	-1.1096077	-2.2817159		
DM14019P4	0.14895347	-1.2454487	-1.0394784	-1.059786		
DM04640P1	0.1493463	-1.1596847	-1.0275646	-1.1599094	PR38A	NM_001141758.1
DM04796P1	0.14937545	-1.1517191	-1.1896092	-1.2716162		
DM04973P1	0.14973405	-1.0250088	-1.2299186	1.0136908		
DM13293P2	0.14973553	-1.1088518	-1.2913872	-1.0418781		
DM11377P2	0.14973648	1.007576	1.0881929	1.1991976		
DM01409P1	0.14981636	-1.0326251	-1.210463	-1.0186713	CPIPJ_CPIJOC	XM_001844979.1

DM00869P3	0.14983381	-1.129041	-1.2374989	-1.213267	LOC1000558:XM_001914659.1
DM08067P1	0.14992027	-1.1098701	-1.2414902	-1.082428	
DM07220P3	0.14995632	1.4930625	-3.4388618	1.6885854	
DM14129P3	0.14996226	-1.1698554	-1.0535303	1.0310202	
DM09855P3	0.14996287	-1.22677	1.0133259	-1.1549784	
DM10037P1	0.15006931	1.0770081	1.0739472	-1.1756107	
DM00998P1	0.15008897	-1.0862544	-1.0697999	-1.1393198	LOC658420 XM_964808.2
DM11654P2	0.15019354	-1.0087348	1.0923574	-1.1266135	
DM12105P3	0.15020448	-1.1619058	-1.1460323	-1.1424854	AGAP_AGAP0 XM_318757.4
DM01766P2	0.1502244	-1.0956867	1.1674275	-1.0237037	
DM14419P1	0.15025657	1.3306273	1.4207978	1.2650056	
DM05740P1	0.15034385	-1.28219	-1.1829106	-1.0450953	
DM02606P2	0.15036851	-1.0119712	-1.0292566	-1.1168871	RRAGD NM_001079428.1
DM03164P1	0.15038042	-1.0149884	-1.1568394	-1.3474624	LOC1000596:XM_001915077.1
DM14686P1	0.15043125	-1.0052016	-1.0308937	1.0695636	
DM10941P2	0.15044123	-1.285981	-1.1730876	-1.260149	
DM05624P3	0.15051825	1.198872	1.1340729	1.3461751	
DM11935P2	0.1505531	1.120177	1.0050281	-1.0394653	
DM13310P1	0.15058446	1.0196742	-1.082458	-1.2270584	
DM08684P1	0.15066576	1.2059525	1.2616224	1.1740564	
DM05929P1	0.15069598	-1.1225058	-1.0833551	-1.2230202	
DM07200P3	0.15073165	-1.1116502	-1.2179443	-1.2989236	
DM04027P3	0.15076225	-1.174552	-1.1209823	-1.183773	LOC1002216:XM_002194638.1
DM07863P2	0.15082195	-1.0208633	1.2381676	1.5107378	
DM02567P1	0.15093222	-1.0944512	1.1595684	1.1646644	AAEL_AAEL01 XM_001661829.1
DM10120P1	0.15105906	-1.0341432	1.1338344	1.1692306	
DM06763P1	0.15106915	1.0612632	1.1721398	1.3704531	
DM07414P1	0.1510984	-1.3830752	1.0315695	1.2848167	
DM07916P1	0.15111746	-1.1768308	1.0406057	1.3659151	
DM02322P3	0.15115093	-1.0824761	-1.1496454	-1.2284445	AGXT NM_001088479.1
DM00342P3	0.1511685	-1.1243753	-1.0414544	-1.2063812	LOC1001616:XM_001948654.1
DM01971P3	0.15118237	-1.2435644	-1.0210297	-1.1041137	DGR1\GH150:XM_001984286.1
DM07538P2	0.15118597	-1.0677648	1.0726794	-1.176856	
DM00012P1	0.15121146	-1.1221226	-1.0837039	-1.3321015	ITM1 NM_201458.1
DM01004P3	0.15122367	1.0927148	1.2406387	1.0672023	LOC552422 XM_624796.2
DM12965P1	0.15137453	1.2758582	1.6688366	1.4131403	
DM09866P2	0.15140119	-1.0672201	1.0603935	1.217863	
DM05427P3	0.15144518	-1.3902898	-1.1424618	-1.0454594	
DM11811P1	0.1514802	1.0478086	-1.6609639	-1.7619783	
DM07269P4	0.15149595	1.1521767	-1.6381093	1.6464146	
DM02404P3	0.15149797	-1.1663481	-1.2002196	-1.1141397	LOC1001625(XM_001943151.1
DM11897P2	0.15160935	1.1892961	-1.175659	1.3081691	
DM12874P1	0.15162766	-1.1749333	1.1273433	-1.0847646	
DM05756P3	0.15163083	1.2387798	1.0548524	1.1636802	
DM01454P1	0.15176563	1.0084987	-1.2372121	1.2005041	DMOJ\GI208(XM_002005991.1
DM02798P2	0.15178035	-1.3494595	-1.3224282	-1.0332806	DSEC\GM173 XM_002039071.1
DM10820P1	0.15188552	1.016639	1.1279072	-1.1220404	
DM13027P3	0.1518902	1.0365304	1.1349202	1.1713802	
DM09682P3	0.15195416	-1.0195435	-1.035123	-1.1941323	
DM07013P2	0.15196368	-1.0206587	-2.2853878	1.321995	

DM07486P3	0.15205069	1.1079506	1.4241052	-1.5687104	
DM01392P4	0.15214393	-1.3388518	-1.1782569	-1.8981572	
DM10636P3	0.15219842	1.0969185	-1.1682764	1.483794	
DM03553P1	0.15222819	-1.3260028	-1.190521	-1.105931	LOC1001634(XM_001943188.1
DM12223P4	0.15225081	1.1603922	1.2579117	1.0591216	
DM06271P1	0.15228775	-1.0673746	1.0123155	-1.2290077	
DM01295P4	0.15233973	-1.1098528	1.1269032	-1.2218255	LOC1002033(XM_002161564.1
DM14267P1	0.15236342	1.1745576	1.1078849	1.4368443	
DM06066P3	0.15242337	-1.0576617	-1.3366419	-1.1701654	DMOJ\GI147(XM_002010284.1
DM09266P3	0.15247308	1.0274874	1.1979729	1.5971955	
DM03544P1	0.15261981	1.1439933	1.0477912	-1.0398132	
DM02120P1	0.15267268	-1.2015525	-1.1383042	-1.0825009	15-Sep NM_001170338.1
DM11820P3	0.15271997	-1.1403464	1.1228948	-1.0682286	
DM09524P3	0.15272218	1.4840763	-1.2951996	1.033713	
DM04921P1	0.15273574	1.5559937	1.6071033	-1.3721266	
DM05571P4	0.15278305	-1.2073834	1.0290358	1.0064191	
DM11563P2	0.15292257	1.1581304	1.0509048	-1.0904974	
DM00547P1	0.15298776	-1.0288359	1.081654	-1.1623964	LOC1002023(XM_002160439.1
DM10739P2	0.15303318	1.426917	1.0336757	-1.3198777	
DM13736P1	0.15306291	-1.1023495	-1.1567417	1.2696242	
DM08840P1	0.15325601	1.0072501	-1.1430641	1.8748614	
DM06408P2	0.1533174	1.0895864	1.0365937	-1.0611231	
DM07247P1	0.15334886	1.0024257	1.0366714	1.171846	
DM03005P1	0.15337677	-1.0996006	-1.0050406	-1.2952654	
DM00636P1	0.1534711	-1.001738	1.0882926	-1.0541842	LOC1001689(XM_001943419.1
DM09159P1	0.15348683	-1.4066088	-1.238366	1.1813232	
DM08706P1	0.15349849	1.5226214	1.4956667	1.223338	
DM01389P2	0.15351726	-1.2152594	-1.318658	-1.2612977	NEMVEDRAFT XM_001635694.1
DM06034P1	0.15354608	1.3917786	1.5223404	1.4099494	
DM03954P4	0.15358184	-1.1093706	-1.03412	-1.3155711	
DM07324P3	0.1536031	-1.3171985	-1.0126483	1.2942705	
DM10487P1	0.15363373	1.0965234	-1.3660219	1.1382011	
DM14158P2	0.15365589	-1.1289318	-1.0199385	1.121113	
DM00901P3	0.15371197	1.453609	1.4323202	1.6252874	
DM08535P1	0.15384533	1.405357	1.2464051	1.2664393	
DM08192P1	0.15384987	1.1773298	1.2464073	1.3022362	
DM06547P2	0.15389326	1.10296	-1.0694014	-1.1141107	
DM07185P2	0.15405706	-1.1311194	-1.156211	-1.1046193	
DM11805P3	0.15419465	1.4046732	1.3889759	1.5675173	
DM06035P3	0.15433808	-1.1272326	1.0301129	1.2981551	
DM12528P3	0.15436094	-1.2179964	-1.0720278	-1.0367888	
DM07458P1	0.15436272	1.381392	1.6977049	-1.1136408	
DM08452P1	0.15441902	1.1434438	1.33181	1.2476456	
DM01121P2	0.15442814	-1.0037575	1.0691247	-1.0632883	DPER\GL127(XM_002019944.1
DM06997P1	0.15453023	1.8131849	1.0900469	2.809704	
DM02236P2	0.15454525	1.0528977	1.3074943	-1.1924481	SNOG_05978 XM_001796314.1
DM08040P1	0.15459141	-1.2413068	1.0121942	1.245088	
DM02398P2	0.15461072	1.0774353	-1.4239002	1.4560928	
DM14072P2	0.15461968	-1.2558953	-1.0346248	1.0955502	
DM03675P1	0.15464294	1.2075865	-1.0825026	1.1422147	



DM10743P3	0.15473896	1.1653606	1.2855259	1.011964	
DM11653P1	0.15478551	-1.3261687	1.0493603	-1.3493339	
DM11326P2	0.15480101	1.1634191	1.0140798	1.1208284	
DM10981P1	0.1548019	1.1417181	1.4484127	1.1423542	
DM10840P1	0.15489909	1.1037021	-1.1802168	1.1951445	
DM04983P1	0.15495482	1.1258552	1.2384855	1.2106879	
DM07233P1	0.15497482	1.2418044	-2.3812196	2.1661754	
DM00551P1	0.15498647	1.1003215	1.1063867	-1.0404912	DYAK\GE110\XM_002086823.1
DM03829P1	0.15513746	-1.1146809	-1.0542161	-1.0536337	DMOJ\GI198\XM_002004202.1
DM08016P3	0.15526488	1.0608282	1.101263	1.2473042	
DM07738P1	0.15526928	-1.1064793	-1.3854841	-1.1931849	
DM11707P3	0.15530276	1.1147627	1.1158713	1.4437603	
DM09410P3	0.15532495	1.1798953	1.1567374	-1.0183059	
DM06690P2	0.15534605	1.4997178	1.1960492	1.2106593	
DM11229P3	0.15536724	-1.0144746	1.1059679	-1.3781631	
DM14940P2	0.15537497	1.385743	1.4821727	-1.0639516	
DM05021P3	0.15545447	1.0703927	-1.2871795	1.2147285	
DM07197P2	0.15549329	1.2948332	-1.9114959	1.9201895	
DM00524P1	0.1555332	-1.063014	1.0159822	-1.200989	DERE\GG211 XM_001974337.1
DM11063P3	0.15562868	1.4622781	1.0392983	-1.1762353	
DM00770P2	0.1556688	-1.0438895	-1.3732489	-1.2949436	LOC1002292\XM_002195430.1
DM06381P1	0.15575013	-1.0454857	1.0427529	1.040892	
DM14235P2	0.1558494	-1.0028757	-1.1445004	-1.0122674	DGRI\GH248\XM_001992647.1
DM06409P2	0.1559128	1.0141892	1.0682989	-1.1678113	
DM08176P1	0.15594234	-1.0706669	-1.1105397	-1.1853868	
DM08769P2	0.15594523	1.0180846	1.202078	1.413825	
DM12636P1	0.15597747	-1.5813526	-2.1649187	-1.603979	
DM08065P1	0.15603055	-1.1454221	-1.120386	1.0967091	
DM13117P1	0.15611094	-1.2438691	-1.1961852	1.2471268	
DM12960P1	0.15613656	1.0556649	1.2563941	1.0582707	
DM05547P2	0.1561995	-1.0298735	-1.0495632	1.3245318	LOC1001593\XM_001948648.1
DM03320P3	0.1562114	-1.0211282	1.0430847	-1.173553	AGAP_AGAP0 XM_316682.4
DM02127P3	0.15622385	-1.0235822	-1.2469037	1.364218	DYAK\GE224\XM_002095538.1
DM05995P1	0.15624857	-1.0495802	-1.070949	1.1477875	ODC XM_001855873.1
DM07513P1	0.15630911	1.0388741	1.1730622	1.1520871	
DM11391P1	0.15631516	1.0969732	-1.0544119	-1.0646374	
DM06328P1	0.1564021	1.0201172	1.1731294	-1.0525533	
DM00706P2	0.15640607	-1.2621919	-1.1576316	1.0125966	ISCW_ISCWC XM_002410940.1
DM06897P1	0.15644138	1.315469	1.5247751	1.1159644	
DM06261P4	0.15645076	-1.0141622	1.0969042	-1.0718625	
DM11924P4	0.15646657	-1.0367312	-1.0353085	1.1094162	
DM12426P4	0.15647633	-1.0430621	-1.4514098	-1.2885098	
DM03679P1	0.15654787	1.2184294	1.1126161	1.3756584	
DM00635P2	0.15657318	-1.0793417	1.1335865	1.2247316	ISCW_ISCWC XM_002406012.1
DM03571P3	0.15660283	1.0662506	1.0963129	1.4726989	LOC1001851\XM_002124301.1
DM01473P3	0.15666483	-1.1886362	-1.0690589	-1.2016424	
DM05289P2	0.15680194	-1.2168211	-1.1885146	-1.142655	
DM04183P2	0.15691642	1.2223586	1.1232228	1.0336128	
DM02417P3	0.15692177	-1.3020763	-1.1000266	-1.4138683	SAMD XM_001658136.1
DM12232P3	0.15701377	-1.1113224	-1.1963897	-1.1343052	

DM01806P2	0.15703179	1.0450015	-1.1169107	-1.6743236	ISCW_ISCWC XM_002413524.1
DM05074P1	0.15704311	1.0155501	-1.0402713	1.1527555	
DM12506P3	0.15710111	1.0089338	-1.363193	1.0802994	
DM02018P1	0.15717569	-1.1940566	-1.272877	-1.1108983	DMOJ\GI216 XM_002003626.1
DM13318P1	0.15723762	-1.066645	-1.15369	-1.000986	
DM12049P2	0.15726736	-1.1374518	-1.10076	-1.2913507	
DM01413P2	0.15736115	-1.0234797	1.141272	-1.0137597	AGAP_AGAP0 XM_314468.4
DM10067P1	0.15736532	-1.018775	-1.65808	-1.4941741	
DM03740P2	0.15739954	1.082844	1.7169111	1.693279	
DM08057P3	0.15746407	1.1166135	1.1006578	1.2413187	
DM11939P1	0.15750557	1.3722899	2.1784525	1.0629989	
DM00410P1	0.15759447	1.1482489	1.3098664	-1.0147198	
DM02498P2	0.1577278	-1.1384329	-1.0909842	-1.2121718	PSMC7 XM_001863382.1
DM10543P1	0.15773079	1.4542413	2.1630223	1.3306873	
DM14806P1	0.15776552	-1.038768	1.015212	1.2574567	
DM01962P3	0.1578039	-1.1518316	-1.09943	1.1205157	DGRI\GH143 XM_001985611.1
DM01911P3	0.1578107	1.1962217	-1.1094033	-1.7430733	
DM02429P2	0.15785882	-1.1479832	-1.3475492	-1.1151558	LOC1001225 XM_001606114.1
DM12126P3	0.1579307	-1.2275293	-2.1777368	1.6219682	
DM03507P3	0.15794098	-1.0060941	1.0539086	-1.0513412	DMOJ\GI106 XM_002001096.1
DM10494P1	0.1580301	1.054081	-1.3300626	1.1266569	
DM08332P3	0.158031	1.352207	1.7131339	1.0550293	
DM05946P3	0.15805896	-1.1921997	-1.131802	-1.2747891	
DM13313P2	0.15812625	-1.297953	-1.2784467	-1.1044667	
DM04158P2	0.1581881	-1.1787715	-1.2920227	1.0445296	ISCW_ISCWC XM_002411457.1
DM07073P4	0.15830222	1.6334944	-1.2574543	3.0634966	
DM08950P3	0.15839706	1.2065641	1.3790786	1.1685121	
DM02269P1	0.1585415	-1.1447309	-1.1139394	-1.1743797	SF3B3 XM_511081.2
DM10503P2	0.15861535	-1.1254439	-1.5594497	-1.2352755	DPER\GL209 XM_002027400.1
DM12123P3	0.15861782	1.4407437	-7.363777	-1.154178	
DM06681P4	0.15864386	-1.2605195	1.1974612	1.048911	
DM12806P1	0.15874077	1.0392724	1.3203049	-1.155184	
DM10063P1	0.15875338	-1.1272928	1.4883742	1.4178797	
DM13610P2	0.15876041	-1.0612524	-1.4932296	1.6286216	
DM06520P1	0.15881032	1.0839807	1.1251796	1.1662577	
DM07857P4	0.15882613	-1.0857275	1.1126121	1.3069158	
DM04890P3	0.15888436	-1.0107627	-1.1636109	1.0023512	
DM01196P2	0.15889022	-1.0279151	-1.0807222	-1.1367189	ADI XM_001649849.1
DM00621P3	0.15890054	-1.1670096	-1.0531096	1.0539627	LOC1000144 XM_001364492.1
DM07139P2	0.15896256	1.5917412	-1.8887211	3.6267774	
DM12385P1	0.15919797	-1.3430089	1.6258113	-2.444097	
DM00584P3	0.15923195	1.0261993	-1.2227747	1.0934827	ATPCL XM_623152.2
DM06040P4	0.1592423	1.3864385	1.2038528	1.1622504	
DM09353P2	0.15928599	-1.0859787	-1.0637469	-1.15089	
DM00155P1	0.15936856	-1.0257096	1.0516814	-1.0924193	AAEL_AAELOC XM_001658257.1
DM01991P2	0.1594617	1.1613071	1.1517187	1.0914788	DERE\GG144 XM_001971375.1
DM13958P3	0.1595115	-1.0005257	-1.6750596	1.3100377	
DM01025P3	0.15951307	1.115425	-1.0353742	-1.0207912	LOC659493 XM_965796.2
DM04371P3	0.1595305	-1.1723452	-1.2199327	1.2878855	
DM08763P3	0.15956151	-1.0080577	1.0025014	-1.1624799	

DM08801P2	0.15962408	1.7454153	3.082639	-1.0700767		
DM05919P3	0.15970643	1.2436299	1.2654884	1.089779		
DM12933P1	0.15972039	1.111926	1.0795729	1.6339306		
DM14945P1	0.15975454	-1.1161444	-1.1963798	-1.1395042		
DM05388P2	0.1597755	-1.1683236	-1.3149337	-1.3452963		
DM05594P4	0.15977953	1.0318136	1.2151169	-1.0160539		
DM09842P1	0.15978761	1.0446424	1.2559159	-1.020897		
DM04322P2	0.15978825	-1.0020876	-1.0105301	-1.0968438		
DM07544P3	0.15982528	-1.3261324	-1.1105852	-1.1576794		
DM01979P1	0.15986286	1.1165209	1.1334782	-1.0472708		
DM00433P1	0.15989043	-1.1630522	-1.0647599	-1.2600653	LOC1001172	XM_001601492.1
DM00890P1	0.16006033	1.2745951	1.033114	1.2313867	LOC1001417	XM_001810466.1
DM06834P1	0.16007882	-1.0501281	1.0411196	-1.2750279		
DM08448P1	0.1600906	1.1037228	1.3010932	1.5160631		
DM12287P2	0.16016005	-1.111349	-1.1317636	-1.3074839		
DM00648P3	0.16016448	-1.1278905	-1.4536505	-1.8643259	ZMCM6B	NM_001087121.1
DM03046P3	0.16021776	1.0039911	1.043099	-1.215151		
DM11912P3	0.1602986	-1.0766991	1.0645435	-1.3817952		
DM10274P2	0.16031325	-1.503817	1.147175	-1.3460975		
DM13049P3	0.16035718	1.0936216	1.03982	-1.1637331	ACMSD	NM_001089494.1
DM13788P4	0.16042066	-1.3478353	-1.3445706	-1.0895938		
DM05689P1	0.16043457	1.9298223	1.186578	1.837896		
DM01406P1	0.16045061	1.0981668	-1.0564884	-1.0861902	DWIL\GK217	XM_002063045.1
DM03766P1	0.16046885	-1.0098493	1.2021424	-1.1794319	AAEL_AAEL	LOC XM_001650409.1
DM12104P1	0.16066942	-1.1708542	-1.0078465	-1.1180284		
DM12494P1	0.16074194	1.7741065	2.1364691	-1.0790707		
DM03967P3	0.16078883	-1.179874	-1.1755239	-1.3794097	DSIM\GD168	XM_002106312.1
DM15003P2	0.16082484	-1.1042125	1.1841463	-1.206734		
DM04227P4	0.16091266	1.0309381	1.337356	1.2740653		
DM12516P1	0.16094768	-1.1236229	-1.487184	-1.1400608		
DM12691P2	0.1609487	1.553591	-3.3381329	1.5706758		
DM00467P4	0.16098583	1.0075619	-1.2557663	-1.2719114	FAF1	NM_001091736.1
DM09293P1	0.16103916	-1.3741317	-1.161585	-1.4830642		
DM01083P1	0.1610507	-1.0321665	-1.2101238	-1.2605988	LOC1001592	XM_001946820.1
DM08929P2	0.16111098	1.1374207	1.0803292	1.4108512		
DM06879P2	0.16115639	-1.0055962	-1.1526583	1.040036		
DM14823P2	0.16121022	-1.2566869	1.2173841	-1.3582692		
DM09501P3	0.16123188	1.237424	-1.2041757	2.2081017		
DM07088P3	0.16123658	-1.0135839	-1.2542282	-1.1368715		
DM11038P4	0.161291	1.0130132	1.1206106	1.2096753		
DM12357P2	0.1612996	1.0429262	-2.3938737	1.3709573		
DM00416P4	0.16131191	-1.0146667	-1.2118341	-1.2199045	DMOJ\GI196	XM_002004378.1
DM12711P4	0.16136995	1.5177637	1.287999	-1.4139609		
DM02721P1	0.16150378	-1.1104933	-1.0377005	-1.0616643		
DM00781P1	0.16159542	1.0356315	-1.0163178	1.2893715	LOC1001207	XM_001604325.1
DM11911P1	0.16170973	-1.0811064	1.2476679	-1.029805		
DM02576P3	0.16171965	-1.1093906	1.0961338	1.2277476		
DM00987P2	0.16174191	-1.1270745	1.1193608	-1.1248205		
DM08174P3	0.16192174	1.0061232	-1.1422138	-1.42434		
DM01364P3	0.1621139	-1.2782584	-1.160589	-1.3709277	SNRPA1	XM_843830.1

DM03840P3	0.1621191	-1.2899945	-1.0925782	1.1530635		
DM08056P1	0.16213268	-1.0618494	-1.4361013	-1.0652454		
DM07317P2	0.1621454	1.2328373	1.1601336	1.5244132		
DM07397P3	0.16215461	-1.1531522	-1.0152167	-1.2854284		
DM08609P1	0.16216223	1.0129904	1.0852902	1.6988355		
DM03039P1	0.16218407	-1.0608085	-1.292755	1.3112302		
DM07420P2	0.16219318	1.0054232	-1.0199162	1.3996019		
DM15251P2	0.16219579	-1.1597356	1.0722862	1.2278895		
DM15167P3	0.1622645	1.4042972	1.5069182	1.5616956		
DM05503P1	0.16231287	-1.0206828	-1.0934608	1.0442306		
DM07545P1	0.16231528	1.2657261	-1.4148477	2.2535932		
DM02007P3	0.16240561	-1.0563699	-1.2171701	-1.2417102	DERE\GG144	XM_001971348.1
DM00165P1	0.1624165	-1.0966055	1.0378733	-1.0009774	CTSL	NM_001170617.1
DM06228P3	0.1624596	1.1237204	-1.1243143	-1.1544782	GSPATT0002	XM_001457473.1
DM12338P2	0.16246425	-1.1069663	-1.1074619	-1.1486293	NUTF2	XM_968457.1
DM00124P1	0.1625282	-1.2956953	-1.2537102	-1.0554276	AGAP_AGAP0	XM_557743.3
DM08068P1	0.1626205	-1.1887846	1.0600297	1.0840671		
DM14146P1	0.16263969	-1.3574456	-1.0324128	-1.065758		
DM00624P2	0.1626696	1.0250942	1.0108036	-1.0877509	FAM108B	NM_146096.3
DM02608P2	0.16270119	-1.1819748	-1.278907	-1.2590212	CSNK2B	NM_001005081.1
DM09401P3	0.16276829	1.1492953	1.1060394	-1.1725342		
DM01582P3	0.16277687	-1.0553949	-1.0429621	1.1678674	VDAC2	NM_199585.2
DM05399P3	0.16278265	1.1805395	1.2075332	1.3599505		
DM03068P1	0.16302733	-1.0110029	1.0543507	-1.1153588	LOC1000180	XM_001366619.1
DM07900P1	0.16307494	-1.0118942	1.0928526	1.0036074		
DM09291P1	0.16310959	1.4620008	1.4188668	-1.0675305		
DM09644P1	0.16327241	-1.1971028	-1.1596782	-1.0827208		
DM01689P1	0.16328184	-1.1401268	-1.2007205	-1.0637846	BRAFLDRAFT	XM_002586217.1
DM10549P2	0.16332905	1.2147806	1.3034356	1.2946537		
DM13184P1	0.1634334	-1.0137832	-1.0683938	-1.2502507		
DM10920P1	0.16344434	-1.0653563	-1.0738667	-1.1911658		
DM13849P1	0.16350682	-1.0572699	-1.0837128	1.2250519		
DM11617P3	0.16355586	-1.1780276	1.1188111	-1.1546535		
DM02021P1	0.16363513	1.2839814	-1.394553	2.4224305		
DM06168P1	0.16364104	-1.1716874	-1.2022141	-1.1275535		
DM07759P1	0.16364554	-1.1857556	1.2706852	1.3048711		
DM00756P2	0.16374761	-1.3186398	-1.297501	-1.3292372		
DM00907P2	0.16383043	1.079746	-1.2150646	1.524287	DYAK\GE160	XM_002100576.1
DM01949P1	0.16386425	-1.2068241	-1.110049	1.0131135	DPER\GL125	XM_002019724.1
DM10886P1	0.16387747	1.0275912	-1.2296718	1.2622147	NEMVEDRAFT	XM_001632757.1
DM00046P2	0.16390821	1.1226526	-1.0742716	-1.2029608	LOC1001219	XM_001605521.1
DM11477P2	0.16390972	-1.0637075	-1.5556868	-1.1546437		
DM09358P2	0.16398332	-1.1039146	-1.2061349	-1.0289742		
DM02792P1	0.1641551	1.2226503	1.2779961	1.2711806		
DM11767P3	0.16415791	-1.0361375	1.132655	1.0501319		
DM11045P1	0.16434947	-1.2138329	-1.0676742	1.0839024		
DM11904P4	0.16439344	1.2479059	-1.182689	1.2525276		
DM13417P1	0.16441919	-1.0047454	1.0768027	1.1469345	TMEM41A	XM_002408913.1
DM05493P4	0.16447812	1.012517	1.0645458	-1.0596459		
DM11420P3	0.16451488	1.0292313	1.5449401	1.1771182		

DM01975P2	0.16452946	-1.173169	1.0087457	-1.0620986	DWIL\GK159\XM_002063835.1
DM05003P1	0.16459632	-1.0501485	-1.127949	-1.1928163	
DM01363P3	0.16461381	1.0117971	1.1045685	-1.0838917	
DM01262P1	0.1646298	-1.1216974	1.0009224	-1.1483381	TRIADDRAFT_XM_002108993.1
DM00139P1	0.16472127	-1.0417452	-1.0819237	-1.2390047	UBE2C XM_543022.2
DM01562P1	0.16473472	-1.0079405	-1.1239136	-1.0754434	LOC1002062\XR_053778.1
DM07899P1	0.16481042	-1.0259013	1.1625147	-1.0443046	BM1_36265 XM_001898665.1
DM10671P2	0.164825	-1.1319107	1.0669954	-1.2183279	CKS2 NM_001112803.1
DM00272P2	0.16485609	1.0025495	-1.0201	-1.1474346	LOC1001612\XM_001952071.1
DM02811P1	0.16489555	-1.1580304	-1.0755812	-1.2113957	DMOJ\GI170\XM_002001758.1
DM14645P3	0.16493973	1.0808457	1.1813949	1.3485341	
DM06247P2	0.16495518	-1.3429579	-1.2473439	-1.5336795	NEMVEDRAFT_XM_001619820.1
DM03714P3	0.16496423	-1.2530742	-1.1885443	-1.1303902	AAEL_AAELOC_XM_001649838.1
DM00142P3	0.16497421	-1.1998787	-1.0898209	1.0214977	CYP1 NM_078642.3
DM04046P2	0.16503529	-1.13872	-1.0574524	-1.1618426	
DM05573P3	0.16506423	1.0585307	1.2786974	1.0972095	
DM11943P3	0.16517201	1.0931631	-1.0112774	-1.2180834	
DM14496P1	0.16521615	1.1183441	1.412488	1.2912	
DM09140P1	0.1652721	-1.0294507	-1.0508691	1.1539836	
DM09772P1	0.16543381	-1.2292477	-1.0968599	-1.1423789	
DM13060P2	0.16548236	-1.2019635	1.0431365	1.1789906	YALIOE18766_XM_504118.1
DM06321P3	0.165528	-1.2008017	1.0562469	-1.0430968	
DM06509P2	0.16560766	1.0947108	-1.4197732	-1.0458689	DSIM\GD206_XM_002103812.1
DM10225P1	0.16576159	1.2961084	1.0857024	1.0575228	
DM01188P3	0.16576868	-1.1499977	-1.1067935	-1.0497034	
DM00002P3	0.16580255	-1.1426847	-1.1129436	-1.2619048	DANA\GF219\XM_001964843.1
DM15305P3	0.16581589	-1.2643536	-1.1556091	1.0768486	
DM08134P1	0.16583681	-1.0517848	-1.0281374	1.2201712	
DM05638P2	0.16587049	-1.1013306	-1.1247448	-1.265455	
DM15312P2	0.16587514	-1.081528	-1.0061731	1.0929998	DANA\GF143\XM_001962517.1
DM08901P1	0.16590239	2.3275003	3.9626966	1.9730752	
DM05788P3	0.16595304	-1.1209058	-1.2859815	-1.1406511	
DM06379P1	0.16610031	1.6294597	2.2477806	-1.3855203	
DM04867P2	0.16612864	-1.1207542	-1.2048331	-1.3068976	
DM05742P2	0.1661656	-1.3207304	1.0604877	-1.0889634	TIM16 XM_001844183.1
DM04353P1	0.16622049	1.0880152	1.0507163	-1.1310449	
DM09258P1	0.1662439	1.0180624	-1.1021603	1.185274	
DM06491P3	0.16624561	1.1176217	1.3619034	1.1020994	
DM02862P1	0.16627584	-1.455318	-1.404905	-1.3901675	
DM06952P3	0.16631787	1.2887282	-1.1738374	-1.1159359	
DM11123P3	0.16632526	-1.0526674	1.0262468	-1.2017975	LOC1001135\XM_001599659.1
DM05523P2	0.16648296	-1.1106485	-1.616414	-1.1914041	
DM02761P1	0.1665065	-1.179677	-1.5701513	1.2052976	
DM07809P1	0.16658036	1.0540409	-1.0889182	1.0996172	
DM10328P1	0.16659309	1.0404344	-1.5664102	1.05541	
DM12303P2	0.16659479	-1.3938341	-1.6533283	1.301335	
DM02297P2	0.16674747	1.047776	1.0347815	1.2232392	AAEL_AAELOC_XM_001656765.1
DM08865P1	0.1668353	-1.162348	1.1161457	1.1552094	
DM10038P2	0.16687657	1.4069774	1.2128869	-1.031466	
DM02926P1	0.16698253	-1.1004814	-1.2163532	1.4914827	LOC1001640\XM_001951259.1

DM05559P3	0.1669951	1.0348158	1.1269858	1.0972532		
DM14906P1	0.16699594	1.3641773	1.4059488	1.2168657		
DM14168P1	0.16700013	1.0475513	1.1980749	1.2749445		
DM12673P2	0.1670088	-1.055839	-1.069048	-1.1803032		
DM15186P2	0.16701736	-1.0995054	-1.1332643	1.0620263		
DM09235P2	0.16706333	-1.6897256	-1.2576696	-2.2742426		
DM13661P3	0.1672553	-1.2235959	1.0433921	-1.0800743		
DM08573P3	0.16735527	-1.0020276	1.1910084	1.3263993		
DM11613P2	0.1674344	-1.0160629	1.1925576	-1.027814		
DM09261P3	0.16745394	1.0740756	1.1353106	1.1574444		
DM09152P1	0.16752109	1.077876	-1.2260022	1.2394409		
DM02386P2	0.16755505	-1.0184782	-1.0445397	-1.1515749	LOC413567	XM_397008.1
DM00396P1	0.16769792	-1.1126775	-1.0241481	-1.2340225	LOC1000153	XM_001369436.1
DM07308P4	0.1678107	1.0932925	-1.2452002	-1.0473886		
DM11396P1	0.16782464	-1.1817516	1.4361327	-1.1269281		
DM09236P4	0.16784175	-1.0045346	-1.1743429	-1.1310549		
DM10280P1	0.16788101	1.0398908	-1.2168779	1.2899461		
DM06119P4	0.16795135	1.1798209	1.3893746	1.4481356	LOC661201	XM_967377.2
DM04282P1	0.16824299	-1.5266154	-1.579938	1.0329895		
DM12248P1	0.1682632	1.1302962	-1.040438	1.4771998		
DM12189P1	0.16829526	1.1511765	1.304924	1.0859994		
DM08090P2	0.16831039	-1.2791749	1.3164625	-1.2482872	CG34220	NM_001103783.1
DM05746P3	0.16840655	1.106214	-1.2659062	1.0334232		
DM05312P3	0.16844429	1.2487721	1.3717104	1.0816851		
DM10868P2	0.16846097	2.0358672	-1.1151227	2.4243734	LOC1001787	XM_002131800.1
DM06492P1	0.16867216	-1.0951463	-1.1575394	1.0064386		
DM00948P1	0.16871417	1.0854849	-1.0357101	1.1641725	DSEC\GM146	XM_002035293.1
DM01932P3	0.16879429	-1.0618303	-1.2464675	-1.1674501	DERE\GG187	XM_001976871.1
DM09806P1	0.16889527	1.3074114	1.0967911	-1.0808263		
DM00014P1	0.16891034	-1.0156341	-1.0518507	-1.1157767	LOC659477	XM_965781.2
DM09797P1	0.16899823	-1.2833062	-1.5761489	1.3607702		
DM00056P3	0.169001	-1.0849054	1.1697712	-1.0228733	NNT	NM_001128002.1
DM04112P4	0.16903664	1.050769	1.0948381	-1.0731162		
DM10380P1	0.16906431	1.7315584	-1.066775	1.1291943		
DM09006P2	0.16907027	-1.1095576	-1.0057431	1.2555891		
DM12486P1	0.16912381	1.1540792	1.1613303	1.021913		
DM12899P2	0.16918571	1.0186309	1.2644017	1.0688618		
DM08888P3	0.16923283	-1.4527932	-1.2896785	1.1388488		
DM02565P4	0.16926524	-1.5508682	1.0310245	-1.3286933	DSIM\GD257	XM_002081421.1
DM11436P1	0.1694858	-1.1127412	1.123445	1.0250757		
DM03123P1	0.16950728	-1.0675725	-1.1544122	1.067129		
DM00695P3	0.1695641	-1.2072232	-1.0239009	1.0956717	GLCT-1	XM_395023.3
DM11143P1	0.16962864	1.1113584	-1.153242	-1.0135541	LOC659467	XM_965771.1
DM02951P2	0.16964358	-1.0568045	-1.0331595	-1.3338026	LOC1000829	XM_001513519.1
DM12167P1	0.16965918	1.0711472	1.056702	-1.1501598		
DM07313P1	0.16966718	1.298451	-1.0686787	1.7661341		
DM09434P2	0.16983704	1.0122013	1.0274523	-1.204887		
DM00669P4	0.16986771	-1.0060922	-1.1429123	-1.1562132	TRIADDRAFT	XM_002110760.1
DM02647P2	0.16990659	-1.0157889	-1.0396187	1.1060027	NDUFS6	NM_001172310.1
DM12144P3	0.17002451	1.1539487	1.124836	-1.0267693		

DM02009P2	0.17002721	-1.4889781	-1.3953538	-1.9373902	DANA\GF158	XM_001963241.1
DM05741P1	0.17010483	1.0639508	1.210529	1.2565978		
DM03419P3	0.17014423	-1.0307693	-1.4037386	-1.3492739	LHX	XM_001870625.1
DM05187P3	0.1703138	-1.0592518	-1.3532052	1.0654949		
DM06701P1	0.1704098	1.1563524	-1.2583148	1.5436832		
DM03404P1	0.17048389	-1.0597851	1.0472157	1.1397481	DVIR\GJ1231	XM_002046709.1
DM10406P3	0.17048882	-1.3874764	-1.6818415	-1.260224		
DM04211P2	0.17066486	-1.3400978	-1.1759732	-1.0533421	LOC1001240	XM_001607777.1
DM12165P1	0.17066921	-1.1454219	1.0374566	-1.1641992		
DM03366P4	0.17080925	1.0053697	-1.0045093	-1.2618978	DSIM\GD104	XM_002080247.1
DM01317P2	0.17083813	1.0049917	1.0779696	-1.2184631	DNAJC5	XM_417428.2
DM11495P2	0.17090645	1.3523743	1.3461567	1.2783355		
DM02955P1	0.17092012	-1.0625883	-1.1074575	-1.2064078		
DM00578P1	0.1711455	-1.1940464	-1.0474054	-1.0978616	ACYPI006352	NM_001162188.1
DM05719P1	0.17134257	-1.3044491	-1.5110589	2.0372097		
DM02701P4	0.17137133	-1.3479266	1.007175	-1.0308431		
DM02622P2	0.17140493	-1.1848803	-1.2324774	-1.2095073	LOC1002180	XM_002186527.1
DM10204P1	0.17144603	-1.183488	1.0254422	-1.0097383		
DM00595P4	0.17148355	-1.2956877	-1.3483126	-1.5256586	LOC659449	XM_965753.1
DM14696P3	0.17150278	1.0616673	-1.0563619	1.2035072		
DM12450P1	0.17151037	-1.1496389	-1.0656182	-1.2771842		
DM01969P1	0.17153184	-1.0307486	1.0111352	1.0191506	PGUG_03386	XM_001483955.1
DM05968P4	0.1715861	-1.082086	1.0435014	-1.1143224	NOLC1	NM_022869.1
DM03529P1	0.171628	1.0429564	1.1972185	1.0106691		
DM03970P2	0.17164473	1.2242036	1.2402744	1.6358516		
DM07710P1	0.17166856	-1.0612452	1.0576177	-1.1379818		
DM01327P2	0.17168072	1.3312354	1.2279512	1.3007915	MGC86547	NM_001094137.1
DM03882P2	0.1717532	-1.020244	1.0007182	-1.1344264		
DM08188P3	0.17185949	-1.0351084	1.0512111	1.116225		
DM08492P1	0.17186232	-1.0364552	1.1833489	-1.0078715		
DM14105P1	0.17189737	1.1540787	-1.455501	-1.2491993		
DM02033P1	0.17193621	-1.1393161	-1.186929	-1.3597369	LOC1001900	XM_002193521.1
DM06241P2	0.17201103	-1.1361082	-1.0517101	1.1881799	LOC1001222	XM_001605780.1
DM10987P3	0.17203656	-1.016102	-1.0648655	-1.400901		
DM11201P2	0.17214386	1.2970185	1.0980654	-1.0756295		
DM11957P2	0.17221825	-1.4474704	-2.0388	-1.533624		
DM10975P3	0.17224419	1.0627389	1.0413773	-1.1495061		
DM12619P1	0.17224848	-1.0118805	-1.1176329	-1.049852		
DM13982P3	0.17227277	-1.6674428	-1.0844425	-1.1391118		
DM06051P3	0.17230788	1.0082127	-1.066956	1.1796584		
DM02956P3	0.17240879	-1.5008456	-1.7857243	-1.4708683	CPIPJ_CPIJOC	XM_001850530.1
DM00845P1	0.172503	1.0110232	1.0387378	-1.0837834	LOC661290	XM_967461.2
DM12058P1	0.17252652	1.0788271	1.1359035	1.0054038		
DM13976P2	0.17252877	-1.2463078	-1.0208442	1.0463954		
DM06088P1	0.17258288	-1.2516093	1.0553914	1.1167531		
DM09428P1	0.1726198	-1.1826271	-1.0293573	-1.290249		
DM03349P3	0.1728594	1.0785358	-1.0504749	-1.462554	STEROID DEF	XM_001653839.1
DM04752P3	0.17299832	1.1277348	1.3375584	1.1684854		
DM08790P3	0.17308085	1.028709	-1.260928	-1.209931		
DM03830P3	0.17316173	-1.172264	-1.0031708	-1.3289101	LOC411640	XM_395109.3

DM01902P1	0.17324117	-2.184904	-1.8555694	1.0147123	FRIH	NM_001160521.1
DM05220P1	0.17330007	-1.0043762	1.0086672	-1.1436297		
DM00288P1	0.17330487	-1.0844252	1.0841854	-1.3523579	DSEC\GM180	XM_002037789.1
DM05151P4	0.17337054	-1.1212314	-1.3143165	1.6464665	AK-C-A	NM_001085706.1
DM12521P2	0.1733773	1.4818449	2.2306561	1.4199612		
DM05584P1	0.17344281	-1.1044079	-1.2276248	-1.1378709		
DM11969P2	0.17370677	1.0064864	-1.3126192	-1.0505575		
DM00229P1	0.17374635	-1.0119767	1.027863	-1.131363	LOC1001620	XM_001947161.1
DM01857P2	0.17384802	1.0284916	-1.0715449	-1.0097086		
DM10226P1	0.17384978	-1.0422336	1.1704042	-1.0687131		
DM15349P1	0.17387189	1.0424237	1.2868034	1.1532332		
DM04251P2	0.17398344	1.035348	-1.1003702	1.0217599		
DM03554P3	0.17402945	-1.0234902	-1.0892859	-1.2421864		
DM12764P3	0.17409427	-1.1445813	-1.1821408	-1.1360856		
DM09204P2	0.17410892	1.367263	1.2828771	-1.5102328		
DM08418P2	0.17419718	2.0416496	1.3744484	2.0956266		
DM04723P3	0.17423134	1.0844489	-1.0679779	-1.2523134	LOC587454	XM_787182.2
DM08549P2	0.1744798	1.3789184	1.5426885	1.0431881		
DM11530P3	0.1745541	-1.078018	1.1086322	1.0669267		
DM04943P3	0.17457204	-1.0627985	-1.0413406	-1.1865311		
DM12807P2	0.174575	1.0548112	1.127908	-1.1759305		
DM02669P3	0.17459382	1.2418276	-1.0746082	1.168485	AGAP_AGAP0	XM_308033.4
DM01067P1	0.17470083	-1.09949	-1.121334	1.0709975	ISCW_ISCWC	XM_002404684.1
DM11647P2	0.17474678	1.083547	-1.30615	-1.0081079		
DM12132P4	0.17475457	1.0784917	-1.0794876	1.6781374		
DM06770P1	0.17475922	1.4053186	1.4100107	1.0113869		
DM15181P2	0.17498398	1.0865136	1.1600492	1.0138829		
DM09642P1	0.17499168	1.0827016	1.2097967	1.1169809		
DM02574P1	0.17511666	-1.2018023	-1.047856	-1.1925198	REEP5	NM_001096221.1
DM02870P2	0.17519286	1.0712638	1.1308595	-1.1485682	DERE\GG216	XM_001974298.1
DM06746P3	0.17522499	1.2661014	1.1379354	1.0569683	DWIL\GK177	XM_002068847.1
DM13924P3	0.17526129	-1.1744504	-1.0370799	1.1636635		
DM01844P2	0.17535692	-1.0922637	-1.0603753	-1.3314271	TCP1	NM_030752.2
DM05613P2	0.17537631	1.0496546	-1.1323854	1.07859		
DM14494P1	0.17543876	-1.0631666	-1.090671	1.0941435		
DM00947P1	0.17549855	-1.5477154	-1.2317449	-1.3029505	ABCE1	NM_001005628.1
DM02961P1	0.17552072	1.0441164	-2.123234	1.42461	DPSE\GA216	XM_001358387.2
DM04038P1	0.17552358	1.0124975	-1.1045884	-1.2777503		
DM04087P1	0.17554982	1.0464884	1.2834481	1.3239682		
DM04156P3	0.17556041	1.3286437	1.5786358	1.0240281	DGRI\GH238	XM_001994285.1
DM09928P3	0.17573823	-1.2388114	1.5452615	-1.0815403		
DM08416P2	0.17575647	1.193359	-1.0132402	-1.2106752		
DM14443P1	0.1757973	-1.3043948	1.0609471	1.0933067		
DM11708P2	0.17580861	1.1377711	1.2583642	1.1505119		
DM03850P4	0.17581347	1.1829419	1.1215128	-1.3801444		
DM04703P2	0.17583784	1.3857213	1.439369	1.2843393	RHOBTB2	XM_543246.2
DM01507P3	0.17585966	1.1852523	1.295103	1.192854		
DM07076P2	0.17600328	-1.0374423	1.0648144	-1.1997553		
DM08139P2	0.17608039	-1.2651513	1.0348909	1.0934565		
DM11147P1	0.17611127	1.1033822	1.1072098	-1.1447273		



DM05944P3	0.17617103	1.1873322	1.1408538	1.1731262	DVIR\GJ1362	XM_002047751.1
DM04966P1	0.17618454	1.0569481	-1.0322943	-1.4406298		
DM14706P2	0.17644545	-1.1130041	1.1823577	1.2103775	MGC84267	NM_001094273.1
DM101113P3	0.17649834	-1.0155346	1.228661	1.2370797		
DM09844P1	0.1765609	1.1050836	1.0285606	1.1732768		
DM09028P1	0.17657393	-1.1838629	-1.7078427	1.3920062		
DM13943P1	0.17667224	-1.3875239	-1.1075774	-1.0359077		
DM02830P1	0.17676112	-1.8604244	-1.936846	-1.8114921		
DM13685P2	0.17677686	-1.2325834	-1.1331089	-1.1511788		
DM00026P4	0.17682345	1.0867423	-1.0856919	1.039107	AGAP_AGAP0	XM_309799.4
DM04163P3	0.17682554	1.0934076	1.3341845	1.3060868		
DM12801P1	0.17689198	-1.0493888	-1.0053128	1.1533521		
DM11549P1	0.17700487	1.1240989	-1.0933105	-1.2003413		
DM09550P1	0.17703038	1.0046867	1.1211393	1.5955936		
DM12589P3	0.17704205	1.0641167	1.0583827	-1.0290065		
DM08746P3	0.17714365	-1.2626365	-1.3210211	-2.222142		
DM02196P2	0.17725289	-1.1902478	-1.0584338	1.1000797	LOC409755	XM_393249.3
DM09226P1	0.17736396	-1.0044444	1.3870733	-1.1138089		
DM111148P1	0.17743956	1.037112	1.1701411	-1.0567822		
DM05118P3	0.17749918	1.25522	1.30395	1.114472		
DM07155P3	0.17751566	-1.0720623	1.1868907	1.2489908		
DM03250P3	0.17752326	-1.0790452	-1.1948321	-1.0869097	EIF4	XM_001270834.1
DM08778P1	0.17752984	1.1352984	-1.0103594	-1.144803		
DM05276P3	0.17753524	-1.2309228	-1.1583	-1.3225423		
DM09889P3	0.17756031	-1.1231534	1.1226522	-1.1096767	LOC10021270	XM_002156748.1
DM09796P4	0.17765665	1.0766679	-1.5922192	-1.1442817		
DM12628P2	0.17766935	-1.7364371	1.0294197	-1.2766461		
DM09407P4	0.17769034	1.2217345	1.2454503	1.1754081		
DM09486P1	0.17769924	-1.246916	1.1189076	1.0600573		
DM00346P1	0.17770034	-1.1191157	1.0613204	-1.1353598	LOC1002090	XM_002161137.1
DM06804P1	0.17774683	-1.1988808	-1.1260035	1.0126432		
DM06969P1	0.17776243	1.4929334	1.3746299	1.5107343		
DM03499P1	0.17776933	1.0300506	1.0987945	-1.1261922		
DM08857P2	0.17795032	1.1754729	1.173552	1.1096219		
DM08095P1	0.17802191	-1.139477	1.049289	1.1313802		
DM12837P3	0.17806055	-1.0521276	-1.5422472	-1.224132		
DM14431P2	0.17807417	-1.4256929	-1.0247203	-1.0960549		
DM01573P3	0.17813557	-1.1033953	-1.1079154	1.0092894	PDI	XM_001649725.1
DM11004P1	0.1781475	1.1296811	-1.0097659	-1.2380579		
DM03232P4	0.17818345	-1.4682497	-1.2403166	-1.3352026	DANA\GF107	XM_001958052.1
DM02040P3	0.17818476	-1.1963092	-1.110274	-1.1255631	RPL12-1	NM_001022914.1
DM00727P1	0.17823055	-1.1585276	1.0341073	-1.0965089	DANA\GF1510	XM_001961677.1
DM14017P1	0.17832157	-1.1424648	-1.1239204	-1.1104072		
DM06810P2	0.17843328	-1.4477239	1.0595143	-1.0139288		
DM05852P1	0.17846659	1.2491171	1.111439	-1.0279033		
DM11885P1	0.17847872	1.2512265	1.4663463	1.2552824		
DM01629P2	0.17852819	-1.0470817	-1.1707207	-1.0966178	COX411	NM_001172340.1
DM05691P3	0.1785874	1.0760069	1.0013944	1.1663088		
DM00207P1	0.1786378	1.1139888	1.0015464	-1.0516934	LOC1001643	XM_001945605.1
DM02716P2	0.17868057	-1.0713739	1.0791525	-1.181556	UBE2C	XM_543022.2

DM02252P3	0.17878774	-1.1815162	-1.0886861	-1.4311924	PRKCI	NM_001031319.1
DM07194P4	0.17894483	1.0274565	-1.0846953	1.9419329		
DM04573P1	0.17898232	-1.1123753	-1.1436037	-1.229516	BRAFLDRAFT	XM_002595166.1
DM00202P4	0.1789953	-1.1585495	1.0512011	-1.3021419	RNF31	XM_396907.3
DM13955P1	0.17902867	-1.2437375	-1.7981931	1.9818014		
DM04722P3	0.17907706	1.1454997	-1.0059288	-1.1249467		
DM14510P2	0.17910251	-1.0351669	1.1424831	1.3483703		
DM12400P2	0.17914648	-1.1790273	-1.416214	1.4054861		
DM06679P1	0.17915061	1.2481483	1.0221906	1.0471848		
DM03421P1	0.17919509	-1.0019788	1.0363032	-1.1925309		
DM11744P2	0.1792723	1.0108356	-1.0003558	-1.1617467		
DM02492P2	0.17943616	-1.2175174	-1.3025194	-1.3803803		
DM00183P1	0.17946024	1.0924424	1.0129611	1.2066896	DVIR\GJ1887	XM_002059426.1
DM14920P1	0.1795051	1.8918647	3.7110744	1.9292144		
DM09653P2	0.1795321	-1.139987	1.0975221	1.411304		
DM01314P1	0.17957918	-1.1445805	1.0880132	-1.0644221		
DM07492P4	0.17962636	1.1995724	1.6006263	1.3199848		
DM07962P1	0.17966348	-1.1148214	-1.0166526	1.1258794		
DM02879P1	0.17967054	1.0091429	1.1121911	-1.2489064	CCT4	NM_001038194.1
DM02703P2	0.17975366	-1.0457308	-1.0418317	-1.2114273	BC1G_16081	XM_001545361.1
DM06456P3	0.17976113	-1.2241293	-1.4229683	1.3465902		
DM11892P1	0.1798145	-1.0983617	-1.070847	1.3161939	AGAP_AGAP0	XM_001688343.1
DM10851P1	0.1798359	-1.0677044	-1.1132147	-1.491959		
DM14926P2	0.17995472	-1.233634	-1.3599927	-1.1431873		
DM02644P3	0.17995696	-1.053565	1.0466521	-1.153488		
DM05529P3	0.18000816	1.3356338	1.0382388	1.1900984		
DM02056P3	0.18004128	-1.005917	-1.2818052	-1.0718032	DVIR\GJ2311	XM_002053810.1
DM14190P1	0.18007615	1.0355333	1.1896267	1.246941		
DM12866P1	0.1801103	-1.0233232	1.1304559	-1.0459967		
DM07320P4	0.18029055	-1.163074	-1.219459	1.3106105		
DM03633P3	0.18029308	-1.0589067	1.0212522	-1.1893345		
DM03886P1	0.1803473	1.0933114	1.0867275	1.1481893	LOC1001595	XM_001946434.1
DM10554P1	0.18038128	1.0451236	1.3660834	1.368241		
DM09588P3	0.18039191	1.326393	1.1374018	1.2274693		
DM00053P1	0.1804083	-1.0698193	-1.0673629	-1.12388	STRN3	NM_001172098.1
DM09156P2	0.18043339	-1.0742605	1.0434006	1.106577		
DM08935P1	0.1804509	-1.0351	1.220117	-1.0911502		
DM15300P4	0.18046841	-1.1146231	1.0736604	-1.1151978		
DM02625P2	0.18050343	1.0014328	-1.2805278	-1.0629998	DERE\GG247	XM_001968184.1
DM08077P2	0.18061036	1.0904129	1.2367009	1.21333		
DM01020P2	0.18062231	1.0102719	-1.1134809	1.1078877	LOC588493	XM_788174.2
DM01807P3	0.18063487	-1.0046741	-1.1335403	-1.1972109	DLD	NM_001087425.1
DM11304P1	0.18069129	-1.0826076	-1.048523	-1.235228		
DM03253P1	0.18081625	-1.1640352	-1.1490617	-1.1618559		
DM12585P2	0.18081756	-1.2140379	-1.7807411	1.38419		
DM01763P4	0.18083915	-1.2780197	-1.7161304	-1.6695622		
DM09074P1	0.18088873	-1.0056692	1.1235614	1.1063349		
DM02678P2	0.18096906	-1.2235509	-1.0942117	1.1961056	NEMVEDRAFT	XM_001621428.1
DM03400P2	0.18097028	-1.0553077	-1.1920351	1.0694538	DYAK\GE217	XM_002094270.1
DM05147P2	0.18097585	1.254601	-1.0161657	-1.0067632		

DM13835P1	0.18100202	1.0932289	1.4952754	1.1705364	
DM12795P2	0.18101227	1.0207262	-1.0282382	-1.1592152	
DM14643P3	0.18105803	1.000969	-1.2225841	-1.124872	
DM08493P1	0.18108664	-1.1532625	-1.1954511	1.0757829	
DM06267P1	0.18125874	1.2262137	1.0904399	1.0260881	
DM00935P3	0.18126015	1.2455224	1.1558275	1.3082277	DVIR\GJ2151 XM_002049262.1
DM08267P3	0.18130688	-1.0745779	1.0003912	-1.1844826	
DM03932P3	0.18136764	1.0536115	-1.04027	1.7104486	
DM11177P2	0.181495	1.0078884	-1.0448635	-1.2804672	
DM05190P4	0.18154106	-1.0257534	-1.417083	1.4187812	
DM04271P3	0.18161733	-1.0856988	1.036797	-1.2101496	
DM11573P3	0.18163575	-1.0255277	-1.7791348	1.3605279	
DM03213P4	0.18163607	1.18653	1.1978302	-1.1279523	
DM07250P1	0.1816799	-1.0952508	-2.0926256	-1.1874837	
DM07928P1	0.18179156	-1.0353675	-1.4792567	-1.1081706	
DM06943P3	0.1818444	-1.030294	1.1319714	-1.2418481	DPER\GL258 XM_002018569.1
DM05336P3	0.18187077	-1.0358497	1.125394	-1.091225	
DM03477P3	0.18198252	1.2207017	1.6289389	1.1222833	BRAFLDRAFT XM_002604843.1
DM07275P2	0.18202072	-1.0711213	-1.1496304	1.1117271	
DM02768P1	0.18213846	-1.0600785	1.0177264	1.0893103	RPS24 XM_001649929.1
DM14793P1	0.18214539	1.0662209	1.0418745	1.1254945	
DM10895P1	0.18221769	1.1984535	1.113127	-1.1201272	
DM14198P1	0.1823145	-1.0193288	1.0571836	1.1639136	
DM00513P1	0.18237807	1.0335785	1.0894055	-1.2150815	RBBP5 NM_001030509.1
DM06090P3	0.18241768	1.0732323	1.0136476	-1.0974973	DMOJ\GI208 XM_002006021.1
DM03163P1	0.1825021	-1.03649	-1.1010875	-1.2057405	BRAFLDRAFT XM_002606627.1
DM02440P1	0.1825108	1.0370275	-1.213854	1.3282881	
DM03322P2	0.18265197	-1.0697834	-1.0101347	1.0795339	LOC692867 NM_001046712.1
DM15073P2	0.18267936	-1.0714276	1.034044	-1.2556427	
DM01714P2	0.18270633	1.0199131	1.1100268	1.0772607	LOC1002279 XM_002198001.1
DM06613P3	0.18273464	-1.1013839	-1.2980819	-1.1423764	LOC663751 XM_969786.1
DM11759P2	0.18280488	1.0122154	1.0940766	-1.112667	
DM08457P1	0.18283811	-1.1161457	-1.0328395	-1.269549	
DM15249P2	0.1828599	-1.209826	1.0726651	1.0218118	
DM02812P2	0.1828604	-1.0593332	-1.0897688	-1.192509	LOC1001655 XM_001943159.1
DM06664P3	0.18290828	1.0326233	-1.4934659	1.3021157	
DM04674P2	0.18292075	-1.0647839	1.090637	-1.0887766	WDR5 NM_052821.3
DM03158P2	0.1829628	1.0857351	1.2023476	-1.0368112	DWIL\GK226 XM_002072051.1
DM04759P2	0.18308635	-1.0820295	1.0841196	-1.1443465	
DM05894P4	0.18312454	-1.4785192	-1.6383383	2.3645122	
DM00541P3	0.18314123	1.0674996	1.0924366	-1.0770495	LOC1000691 XR_044671.1
DM09701P3	0.18320923	-1.1572413	-1.0678972	-1.5829495	
DM11678P3	0.18321446	1.1443046	1.0691992	1.0310627	
DM07033P1	0.18327582	-1.1815672	1.0195458	1.2484905	
DM06814P3	0.18345222	1.1022918	-3.2556293	-1.0466707	
DM14050P4	0.18370233	1.3579426	1.1241479	1.2775245	
DM14692P3	0.1838082	-1.1411752	-1.0748191	1.1282375	
DM09083P2	0.18386653	-1.0248786	-1.0614302	-1.1467786	
DM03519P1	0.18394102	1.1606115	1.0571855	1.3322127	DYAK\GE244 XM_002097411.1
DM00581P4	0.1839666	1.1980509	1.1149915	1.2746041	AAEL_AAELoc XM_001650836.1

DM11751P1	0.18403013	1.0187012	-1.1378164	1.1778742	
DM14932P2	0.18403783	-1.0589131	-1.1270307	-1.1517495	
DM00371P3	0.18412359	1.1220922	1.0260748	-1.0480857	DERE\GG132 XM_001973639.1
DM04520P1	0.18414971	-1.002951	-1.1624978	-1.1084223	DYAK\GE115 XM_002092663.1
DM11684P1	0.18425988	1.0565572	-1.0022405	-1.2954317	
DM13205P2	0.18432337	-1.307534	-1.1107582	-1.0940202	
DM13480P1	0.18433306	-1.0409557	-1.294201	1.2048326	
DM00806P2	0.18442354	-1.0306435	-1.0236974	-1.1294271	DWIL\GK246 XM_002066643.1
DM07692P2	0.1844292	-1.088817	1.0866266	-1.1876795	
DM02319P2	0.18446556	-1.1479963	-1.141854	1.0331597	
DM07578P1	0.18450923	-1.0406824	-1.2128471	-1.3050821	TRIADDRAFT XM_002108999.1
DM08886P1	0.18462442	1.2762502	1.4454314	1.6435636	
DM08550P2	0.18485115	-1.0987284	1.076839	-1.1522735	
DM07674P3	0.18491295	1.0431104	-1.1703106	1.048038	
DM02695P3	0.18495215	-1.2624135	-1.0298116	1.2814126	
DM04758P1	0.18501058	-1.1643509	1.0554647	1.2030816	POPTRDRAFT XM_002337658.1
DM04408P1	0.18503515	-1.2675133	1.0874758	-1.3773041	
DM14477P2	0.18504073	-1.1293641	-1.0153936	1.2179534	
DM01353P1	0.18512736	-1.097632	-1.0510333	-1.218477	LOC552334 XM_624710.2
DM07092P1	0.1851347	-1.0436579	-1.0638542	-1.131196	
DM00809P1	0.1854402	-1.1013567	-1.0187827	1.0489526	DANA\GF138 XM_001961354.1
DM00235P1	0.18546595	-1.0711442	-1.0508051	-1.2045603	E2I NM_001162707.1
DM04247P2	0.18551528	-1.0675339	1.0514574	-1.21722	
DM08379P1	0.18552656	1.3726641	1.1144007	-1.04336	
DM13507P4	0.18559909	-1.3823456	-1.0951196	-1.1024637	
DM05885P1	0.18562797	-1.0531588	1.0023623	-1.132586	ADI XM_001649849.1
DM02267P1	0.18572891	1.085272	1.2079444	1.0137303	AGAP_AGAP0 XM_319206.4
DM14832P4	0.18578462	-1.0239719	1.0769663	1.2523205	
DM10000P3	0.18579176	1.1063769	-1.0259855	-1.031158	
DM12365P3	0.1858532	1.0847839	-3.6139958	-1.3304142	
DM14153P4	0.18589474	-1.1572099	1.1038498	1.073391	
DM01967P3	0.18589546	-1.070651	-1.0363829	-1.1119009	HSDL2 NM_001104963.1
DM06499P3	0.18589951	1.0066961	-1.0017642	1.4805387	
DM04154P1	0.185922	1.0636955	1.1341528	-1.1720471	
DM06417P3	0.18599506	-1.1404907	-1.3026216	1.6894753	
DM12396P1	0.18601756	-1.2808503	-1.2343645	-1.284864	
DM03186P1	0.18616596	-1.0796952	-1.1379299	-1.0077769	LOC1001161 XM_001600658.1
DM01267P2	0.18621513	-1.174012	-1.1428748	-1.2485845	SEC13 NM_001006978.1
DM00690P1	0.18624513	-1.1123744	-1.1303914	-1.0483667	MYO6 NM_001104536.1
DM09106P4	0.18632847	-1.0496483	-1.0763242	-1.2514831	
DM07024P2	0.1864136	1.1813962	1.0411762	-1.0516495	
DM13826P3	0.18643479	1.0590309	1.1362997	1.2804399	
DM10815P1	0.18648662	-1.122619	-1.0537955	-1.1622927	TCEA1 NM_001025735.1
DM12698P1	0.1865872	-1.1357921	1.159121	-1.1120899	
DM12683P3	0.1866821	1.0840033	1.1382024	-1.2415111	
DM00224P4	0.18674782	1.0387214	1.0652499	-1.027328	LOC1001675 XM_001945779.1
DM04633P3	0.18675728	1.1365463	-1.2105194	-1.2675915	MRT4 XM_001652253.1
DM14136P1	0.18679774	1.1544445	-1.1924026	1.2343359	DANA\GF220 XM_001966256.1
DM01472P1	0.18681511	1.062438	-1.0142332	-1.1048203	DGR1\GH165 XM_001984628.1
DM12286P4	0.18682146	-1.0330197	1.106252	-1.1506822	

DM10735P3	0.18689834	1.03659	-1.0199833	1.1131103	
DM06842P2	0.18693736	-1.0608777	1.1264886	1.1389233	LOC1000929!XM_001521392.1
DM14208P1	0.18694258	-1.2378411	1.1078637	-1.2567294	
DM09272P1	0.18695663	-1.0123397	1.088209	1.2263824	
DM06665P1	0.18698764	-1.0197921	-1.2912016	1.4075822	
DM02197P1	0.18702148	-1.0034611	-1.0344769	-1.047229	DANA\GF165!XM_001954702.1
DM02888P2	0.18704261	1.304176	1.6372739	1.3756659	DSEC\GM184 XM_002037774.1
DM13101P3	0.18707553	-1.2899913	1.0765741	1.0191102	
DM12437P2	0.18710406	1.2970928	1.5543066	1.3180679	
DM07451P2	0.18710499	-1.0129892	1.1244164	1.0760944	
DM09988P1	0.18714541	-1.2417159	1.0468742	-1.1115386	
DM03410P1	0.18715405	-1.0743467	-1.4537703	1.3929701	ISCW_ISCWC XM_002402345.1
DM05146P2	0.1872643	1.048713	1.0508306	-1.1185471	
DM04570P3	0.18727711	1.194713	1.5393647	1.2968526	
DM13927P3	0.18734956	-1.0038785	1.0805	-1.1105807	
DM03746P4	0.18737729	-1.0186166	1.1219327	-1.0133837	SNAP NM_001161944.1
DM05748P2	0.18740086	1.2879288	1.5590256	1.2204446	
DM07533P1	0.18740441	-1.2696267	-1.1773906	-1.1736839	LOC1001139:XM_001606456.1
DM10314P1	0.1874186	1.2371544	1.1251538	1.1807193	
DM06609P4	0.18746187	1.2091423	1.1840479	1.1270652	
DM11363P4	0.18747616	2.007914	-1.0376707	1.6570017	
DM10606P4	0.18758112	1.0164796	-1.1351945	1.7546163	
DM10862P1	0.18759073	1.0571601	1.19898	-1.1488688	
DM04342P3	0.18761943	-1.0581825	-1.060813	-1.2358674	LOC659968 XM_966232.2
DM12461P1	0.18771026	1.2853311	1.2040173	1.0575713	
DM04861P2	0.18774053	1.03586	1.0297884	-1.1441518	LOC551838 XM_624223.1
DM12526P1	0.18796717	-1.0591288	1.0715425	1.0905885	
DM06563P4	0.18800385	1.0619688	1.2061764	1.2656429	
DM03375P1	0.18801682	-1.0015621	-1.074239	1.0382717	
DM11616P1	0.18819922	-1.1192352	-1.3468473	-1.120631	
DM09912P3	0.18825574	1.1788616	1.0694954	-1.1165446	
DM13410P3	0.18837225	-1.1877993	-1.0194818	-1.3186535	
DM09011P2	0.18852863	-1.0627345	-1.1702499	-1.0809318	DWIL\GK128!XM_002074059.1
DM11470P3	0.18853492	1.0811425	1.0242856	-1.2705897	
DM10647P3	0.18859255	1.2158079	1.2669543	-1.1736572	
DM02140P2	0.18887874	1.1202257	1.1010358	1.2685256	LOC1001659:XM_001952676.1
DM13194P1	0.1889691	-1.0952036	1.099647	1.0089198	LOC1000822!XM_001512905.1
DM11905P3	0.18901645	-1.055634	1.2692162	1.0656449	
DM01318P1	0.18902884	-1.0249722	-1.2833802	1.1410669	SEC14L4 NM_001161368.1
DM12737P2	0.18907283	-1.0165269	-1.2584475	1.2352251	
DM13502P2	0.1891409	1.1924978	1.1538128	1.0238947	
DM12785P2	0.18922095	1.2649248	-1.1515708	1.031201	
DM08503P1	0.1893209	1.1441156	-1.3192666	-1.2958672	
DM08156P2	0.18932407	-1.0512736	-1.2145765	-1.1536554	
DM11081P4	0.1894085	1.0189761	-1.0002487	1.2208747	
DM09977P2	0.18948801	1.148378	1.1692822	-1.0462528	
DM13599P2	0.18971987	1.1764017	1.2813883	1.5681129	
DM14195P1	0.18976106	1.1028192	1.275172	1.3405049	DCL3 XM_001692384.1
DM01657P4	0.18983878	-1.0928227	1.0309302	1.1565671	DSIM\GD236 XM_002078845.1
DM12976P3	0.18985206	-1.4748226	-1.1524763	1.1532533	

DM02544P3	0.1899683	-1.2170608	-1.0805693	1.178143	LOC1001671(XM_001944043.1
DM00460P2	0.1901292	1.0991243	-1.1438901	1.070774	DSEC\GM137 XM_002043924.1
DM01572P1	0.19013438	-1.2111229	-1.057298	1.2157991	RPS24 XM_001649929.1
DM07821P2	0.19013776	1.7950598	3.832207	1.9779353	
DM15297P2	0.19016613	-1.3546813	1.0856713	-1.0580477	
DM04013P2	0.19024062	-1.1323198	-1.1222986	-1.085342	
DM12904P1	0.1903201	1.0799527	-1.9723101	-1.0584351	
DM07148P1	0.19039875	1.1221051	1.0505373	-1.2132455	
DM12337P3	0.19050343	1.0541818	1.6466134	-1.191785	
DM02837P2	0.19054464	1.2275414	-1.413254	1.8448254	COL1A1 NM_001034039.1
DM10417P2	0.19057876	1.0817777	1.1006559	1.3771814	
DM08003P2	0.19058152	-1.2228041	-1.3096538	1.3183182	
DM13484P3	0.1906222	-1.4406158	-1.9132785	-1.1316621	
DM05467P2	0.19065803	1.2166772	-1.0708405	1.0159191	
DM04786P2	0.19066544	1.0296677	-1.107666	1.0083989	
DM09661P3	0.19070148	1.0863233	1.0058107	-1.1139622	
DM13787P2	0.19074653	-1.0005957	1.1724547	1.1959517	
DM08383P1	0.19088362	-1.2923017	1.1269368	1.0225446	
DM09116P3	0.19089918	-1.0968977	1.1262106	1.098234	
DM05133P2	0.1909031	1.082332	1.0302641	-1.1260823	
DM01684P3	0.1911448	1.0840954	-1.075035	1.1437228	PRKD1 XM_001662623.1
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DM11547P1	0.19139151	1.1291233	1.0463308	1.0169903	
DM00038P2	0.19139703	-1.0678576	1.0025444	-1.1297884	NSA2 NM_001034546.1
DM08819P1	0.19151773	-1.1385365	-1.0650628	-1.1549239	
DM07793P1	0.19162247	1.4169354	-2.3495796	1.438682	
DM06280P2	0.19163965	-1.2898316	1.1540319	1.20496	
DM08575P1	0.19170982	-1.2280269	-1.0660883	1.6184704	
DM14049P1	0.19171768	1.0062696	1.1064869	-1.0021262	
DM05592P1	0.1917352	1.0139474	-1.3223528	-1.0460668	
DM03360P2	0.19175282	-1.120692	1.0323336	1.1745509	PPP2CA NM_203943.1
DM05546P3	0.19185767	-1.182709	-1.4956865	-1.2703271	
DM14743P1	0.19188306	-1.038744	1.0266075	-1.2211922	
DM10539P4	0.19201642	-1.2527821	-1.0373966	1.1535953	
DM09681P1	0.19204046	-1.1647924	-1.0136046	-1.8772022	
DM09963P1	0.19204938	-1.0839232	1.1175169	-1.1409578	
DM15210P1	0.19205077	1.0001729	-2.154017	1.0589027	
DM06447P2	0.19206311	1.25539	1.2125401	1.1637808	
DM14338P2	0.19206448	-1.251636	-1.1360472	1.0002189	
DM10126P1	0.19212031	1.13273	1.3027256	1.1763322	
DM02813P3	0.19224477	1.3642391	1.4018898	1.135509	
DM03087P2	0.19228606	-1.1279402	1.105141	1.1101446	CRL XM_968596.1
DM02287P2	0.1923163	1.372173	1.1582264	-1.1319883	LOC1000681(XM_001498073.2
DM08705P2	0.19231991	1.060885	-1.0328661	1.1388451	
DM14752P1	0.19249049	1.117556	-1.1043235	1.6662419	
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DM07121P3	0.19261375	1.1358876	-1.6264062	1.2454079	
DM06070P2	0.19275008	-1.0986146	-1.5522969	-1.7729484	
DM07924P1	0.19280362	-1.2862341	-1.047238	-1.0171272	
DM08834P1	0.1928193	-1.2995895	-1.0084038	1.1824391	

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DM01350P3	0.19301316	-1.0874273	1.0223429	-1.1629546		
DM14676P2	0.1931587	1.0080855	-1.53889	1.3248801		
DM04887P2	0.19317387	-1.0007267	-1.021683	-1.1075283	LOC1002216	XM_002189422.1
DM06253P2	0.19334973	-1.1619875	-1.1207433	-1.3804041		
DM11806P4	0.1934096	-1.1378572	1.0987897	-1.2438035		
DM02010P3	0.19358662	-1.3812331	-1.115352	-1.2267742		
DM12485P1	0.19358854	1.12977	1.0058143	1.1895859		
DM04315P3	0.1937343	1.8840449	1.0702184	-1.3772813		
DM05713P2	0.19373602	1.2076832	-1.2284092	-1.160039		
DM13832P2	0.19377767	1.4413179	-1.0937755	1.5676119		
DM10339P4	0.19385445	-1.1279496	1.0699825	1.0799054		
DM11838P1	0.19429109	-1.039172	-1.4484861	-1.0276326		
DM02736P1	0.19444028	1.0782181	1.0377473	-1.0514208		
DM08932P3	0.1945685	1.3077232	1.0116574	1.2076524		
DM02363P3	0.19459923	-1.1095916	1.0271584	-1.1189562	LOC585260	XM_001176062.1
DM00454P3	0.19462393	1.0771387	-1.0387564	-1.0873934	LOC1002140	XM_002154219.1
DM05617P3	0.19463651	-1.1659681	-1.1468247	-1.083758		
DM05922P2	0.19472528	-1.0972115	1.0087612	-1.2075752	RFC4	NM_001006550.1
DM04767P3	0.19476634	1.529862	1.7101434	-1.0200512		
DM10011P4	0.19496498	1.0202724	-1.0851923	1.2108856		
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DM06745P1	0.1949935	-1.0435276	-1.2517544	-1.0960994		
DM10497P3	0.19503051	1.1401861	1.3089658	-1.3231493		
DM08208P3	0.19505365	1.1573256	1.0207707	-1.0628314		
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DM01355P4	0.19518274	-1.073537	-1.062509	-1.2205173		
DM00847P2	0.19519459	-1.157699	-1.0561731	-1.234942	LOC413299	XM_396744.3
DM10276P1	0.19525102	-1.0468084	1.2596788	1.272736		
DM06240P1	0.19528107	-1.0055345	-1.243139	-1.1882199		
DM06716P1	0.19531253	-1.1499971	1.0258834	-1.1759053		
DM07402P3	0.19539626	-1.0045874	1.0559585	-1.1628551		
DM08561P2	0.19547743	1.239387	1.2655215	1.1536071		
DM07271P2	0.19549964	-1.1379226	1.0593686	-1.1481429		
DM02705P1	0.1955197	-1.0531812	-1.3355387	-1.0704172	BRAFLDRAFT	XM_002607560.1
DM14046P1	0.19556035	-1.0221267	1.298986	1.1081806		
DM09124P1	0.19560252	-1.017027	-1.1357492	1.0368354		
DM06315P2	0.19560479	-1.2253256	-1.221038	-1.167926	LOC1001448	NM_001126156.2
DM08349P2	0.19562949	-1.0957264	-1.160236	-1.0191027		
DM01711P1	0.19566165	1.1066918	1.1629717	-1.104758	DANA\GF235	XM_001958248.1
DM05193P3	0.19591133	1.1411777	-1.325993	1.1918889	CPIPJ_CPIJ01	XM_001864522.1
DM06123P2	0.19610992	-1.0703485	-1.1932688	-1.1505886		
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DM11455P2	0.19619857	1.0044258	1.0014352	-1.2758086		
DM07567P1	0.1963486	1.1000535	-1.2740288	1.0802		
DM10152P2	0.1963634	1.24652	-1.0201025	1.3250092		
DM00535P4	0.19640507	-1.098397	1.0232362	1.0502731	TRIADDRAFT	XM_002118332.1
DM08097P3	0.19649848	1.1361866	1.2647305	1.109473		

DM02799P1	0.19654699	1.0319074	1.2094713	1.120008	CPNE9	NM_001102990.1
DM08240P2	0.19661109	1.1594177	-1.2770814	2.2506974		
DM05368P3	0.19663697	1.1828635	1.062919	1.1809117		
DM15085P2	0.1966868	1.0397648	1.1839223	1.2034216		
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DM01596P2	0.19687322	-1.1357507	-1.0464755	1.0310911	DVIR\GJ2049	XM_002049865.1
DM12504P2	0.19693558	1.220139	-1.331061	1.0459987		
DM09381P3	0.19693741	-1.1262954	1.0429351	-1.1443474		
DM07502P1	0.19696063	1.127618	-1.4126807	1.6713817		
DM00085P3	0.19697331	1.1693629	1.067982	-1.0772544	DMOJ\GI1957	XM_002004470.1
DM13616P1	0.19704904	-1.1902865	1.0504074	1.0905763		
DM11896P1	0.1971111	1.1629548	1.0539441	1.0006647		
DM12180P1	0.19719891	-1.1208304	1.239541	1.4464643		
DM12066P1	0.19725375	1.0637693	1.0256636	1.3504214		
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DM15211P4	0.19744124	-1.1563514	1.2297049	1.2017102		
DM07877P1	0.19745243	1.2862178	-2.120041	1.3513637		
DM00274P2	0.19745971	-1.0627137	-1.0803909	-1.1738722	LOC1001648	XM_001943613.1
DM06159P3	0.1974821	-1.2327832	-1.0260347	-1.2297537		
DM04847P2	0.19750437	-1.225561	-1.3760418	-1.2983345		
DM01337P3	0.19756232	1.1349686	1.2476286	1.2811549	SPTA	XM_001851306.1
DM08607P3	0.19759603	-1.0114597	-1.0151485	-1.1913155		
DM00754P4	0.19762027	1.1468514	1.0944393	-1.2058605	LOC655857	XM_962419.2
DM05962P1	0.1976268	-1.10077	1.0350552	-1.0944978	LOC551690	XM_624078.2
DM07860P4	0.1976306	1.1881227	-4.2774816	1.194254		
DM08509P4	0.19763158	-1.0370474	-2.2706215	1.313945		
DM01276P2	0.19763212	1.0413215	3.0031736	-1.1843289	ACMSD	NM_001089494.1
DM01183P1	0.19767682	1.0267121	-1.2542591	-1.0018475	LOC1001679	XR_045904.1
DM05480P2	0.1978852	1.5099748	1.0202248	1.6845754		
DM15121P1	0.19795184	-1.3855795	-1.1878675	1.0458499		
DM14991P3	0.1979882	1.047091	-1.0207554	1.1122015		
DM11474P3	0.19803482	1.0224144	1.015552	-1.1392461		
DM10465P1	0.19808307	-1.127252	1.0020328	-1.1723951		
DM02651P3	0.19814311	-1.115483	1.0003917	1.4018291	DPSE\GA228	XM_002133353.1
DM10814P1	0.1982942	1.2865423	1.4737692	1.1835592		
DM05041P3	0.19833738	-1.251196	-1.0707902	-1.2826467	CPSF6	NM_001017993.1
DM04611P2	0.19838548	-1.1324093	-1.0137289	1.0625585		
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DM04862P3	0.19858593	-1.0699542	-1.0412014	-1.1196414		
DM08982P1	0.1986036	1.0158027	-1.1165627	1.0585285	DSIM\GD196	XM_002102156.1
DM06754P1	0.19863603	-1.0919349	-1.0135291	-1.1032293		
DM12409P1	0.19863832	1.2231231	1.1687651	-1.1198261		
DM14325P3	0.19865318	1.0345632	1.2535007	1.022117		
DM04286P1	0.19869521	-1.1809003	-1.3442154	-1.2036005	DSEC\GM190	XM_002040240.1
DM00645P2	0.19875005	-1.3148725	-1.1286248	-1.0174005		
DM04700P3	0.19880204	1.0346366	1.1100881	-1.0648423		
DM07181P1	0.1988439	1.0637592	1.0985913	-1.0912282		
DM00405P3	0.19885066	1.1329442	1.1677957	-1.0961452	LOC412080	XM_395546.3
DM14894P1	0.1989626	-1.135428	1.0315617	1.2434912		
DM05168P1	0.19907643	1.1675051	1.1741221	1.2847987		



DM09918P1	0.19912247	-1.004172	1.1956046	1.2070116	
DM03376P2	0.19917466	1.0337492	-1.1909782	1.114711	AGAP_AGAP0 XM_308314.4
DM06020P3	0.19922116	-1.1393362	-2.4123485	-1.2469845	
DM04539P4	0.19927064	1.1027671	-1.1238054	1.2762024	
DM04490P2	0.19931957	1.1785575	1.5541528	1.1979644	
DM08203P4	0.19958553	-1.3270462	-1.263992	-1.2056359	
DM02488P1	0.19962443	-1.0002489	1.0542043	1.0776259	
DM09981P1	0.19984847	1.0544224	-1.1284372	-1.0643271	
DM08835P1	0.19991046	1.0611912	-1.20865	1.406501	
DM00663P3	0.19996567	1.1250074	1.1189368	1.0812594	LOC1001607 XM_001952596.1
DM15062P3	0.20002098	-1.5786983	-1.2450321	-1.519675	
DM12205P1	0.20008565	1.0168294	-1.2322193	1.0672427	
DM01202P1	0.20008829	-1.077372	-1.1851428	-1.1771901	DWIL\GK161 XM_002067406.1
DM07003P1	0.20009993	-1.1911398	-1.3648467	1.5602422	
DM06539P2	0.2001387	-1.0107058	1.0229084	1.0752854	
DM03693P1	0.20016254	-1.1569626	-1.0918525	-1.1920238	BRAFLDRAFT_XM_002606646.1
DM09491P3	0.20020187	-1.3473152	-1.0428836	1.0323305	
DM07841P2	0.2002122	1.074536	-1.083951	1.2275798	
DM07666P2	0.20021307	-1.0298389	1.0974824	-1.1117927	
DM00128P3	0.20026714	1.1127933	1.0474738	-1.0045817	PI4K2A NM_053735.1
DM12176P2	0.20029779	-1.1748974	-1.2439824	-1.301097	
DM01545P3	0.20031703	-1.2437748	-1.2144656	-1.2046452	
DM09051P4	0.20041002	-1.1770519	-1.228345	1.1981275	
DM05732P1	0.20044895	1.040086	-1.1763607	-1.1143519	
DM01198P1	0.20059063	-1.0039685	-1.0201576	1.0843177	LOC1000513 XM_001493297.1
DM06530P1	0.20059878	1.142434	1.116863	1.234195	
DM07543P2	0.20061891	1.0168624	1.0421877	1.2178372	
DM08310P3	0.20069045	1.037001	1.4413086	1.2305474	
DM09070P1	0.20069364	-1.1427035	-1.009206	1.2443675	
DM13252P1	0.20072798	-1.0817198	-1.0192169	-1.2109865	
DM11914P3	0.20082499	-1.1111423	1.0688336	-1.1054375	
DM14532P4	0.20089018	1.0181428	-1.0264715	1.2450708	
DM10022P3	0.20089163	-1.0176365	-1.109323	-1.1519036	
DM01757P2	0.20103706	-1.0800384	-1.0362666	1.1099274	DMOJ\GI117 XM_002008516.1
DM05018P1	0.20106782	-1.0730501	-1.0580457	-1.1287231	
DM02016P1	0.20121922	-1.0377915	1.0665017	1.266031	
DM01771P1	0.20125286	-1.349499	-1.2784832	1.0618025	DVIR\GJ2088 XM_002049166.1
DM01378P1	0.20129721	1.013624	-1.3457794	-1.1473278	OSTLU_3411 XM_001416606.1
DM03745P3	0.20140801	1.4602748	1.332352	1.5321003	AAEL_AAELOC XM_001658929.1
DM10014P2	0.20145725	1.2707375	1.2278239	-1.0084577	
DM00657P3	0.20163517	-1.0457268	1.1828483	1.0352764	LOC1002144 XM_002160320.1
DM09399P3	0.20163892	1.0626607	1.2441703	-1.1267675	
DM00336P4	0.20164666	-1.0865426	-1.008979	1.1071621	RAL XM_001862570.1
DM06787P2	0.20167074	-1.0513616	-1.1975535	1.2193375	
DM09022P1	0.20181143	-1.1608018	1.0250016	1.1351365	
DM09143P1	0.20184858	-1.1817235	-1.400472	1.1798574	
DM02893P1	0.20191394	1.1640017	-1.3033136	1.2373606	
DM07010P1	0.2020696	1.9981391	1.1365719	3.0286765	
DM12319P4	0.20208289	1.408288	-1.6837782	1.3390635	
DM15319P1	0.20208322	-1.0710877	1.1547493	1.2236258	

DM01726P4	0.20215991	-1.1290923	-1.237791	-1.2231454		
DM14878P3	0.2023289	1.0122536	1.393913	-1.1086177		
DM01561P3	0.2023566	1.0507807	-1.0866996	-1.0223173	BRAFLDRAFT	XM_002610924.1
DM12752P4	0.2023637	1.2019988	-1.1045188	-1.3375453		
DM09891P1	0.20242442	1.2120174	1.334121	-1.250821		
DM01863P1	0.20247827	1.0203437	1.0267428	1.0317427	PHATRDRIFT	XM_002178349.1
DM14933P2	0.202496	1.0498707	1.3036872	1.0535147		
DM00112P1	0.20260578	1.0973866	-1.1265825	-1.0357423	PLCB	XM_001849847.1
DM05086P3	0.20261043	-1.0546397	1.0326394	-1.0656742	CCDC124	NM_001016496.2
DM09686P1	0.20270804	1.1611549	1.2333332	1.1669905		
DM09763P1	0.20277207	1.0524842	1.1297656	-1.1287246		
DM01396P1	0.20280968	-1.15004	1.0537411	1.0074729		
DM07558P3	0.20296678	-1.1474627	-1.188304	-1.2798322		
DM11571P1	0.20297544	1.1044303	1.1830045	-1.0680497		
DM11113P3	0.20298631	-1.0150056	1.0084603	-1.0961405		
DM12532P2	0.20304774	-1.1384	1.0522541	-1.2360327		
DM02710P3	0.2030804	1.2582155	-2.0413566	1.8073542	DWIL\GK141'	XM_002073559.1
DM01981P2	0.20309795	-1.0253913	-1.0473117	1.1124055	NUOF	NM_001170834.1
DM05996P3	0.2031183	1.922755	1.6799315	1.4210882		
DM09651P1	0.20318274	1.5721139	1.7462535	1.2793554		
DM06945P1	0.20320453	-1.1293142	-1.2851249	1.1196582		
DM09096P1	0.20336474	-1.0454803	1.0485722	-1.1389685		
DM06178P1	0.20339434	-1.0967064	1.0013229	1.2333711		
DM06654P2	0.20343505	1.1186727	1.0565788	-1.163146		
DM01334P4	0.20355234	-1.1043161	-1.079815	-1.0092418	AGAP_AGAP0	XM_320365.2
DM12475P4	0.20360522	-1.0999883	1.0758039	-1.2944583		
DM05174P1	0.20365664	1.091245	1.1791327	-1.1182277		
DM12535P2	0.20366433	1.0389235	-1.0868585	-1.0882014		
DM12740P3	0.20373605	1.0014914	1.2456441	-1.1302317		
DM15091P1	0.20380846	1.0087718	1.1542081	1.1095207	DMOJ\GI238'	XM_001998237.1
DM08266P1	0.20382117	1.267766	1.0230501	1.81706		
DM14840P3	0.20382752	-1.1691298	-1.3848071	-1.0889627		
DM02497P3	0.20384869	1.0757965	1.0192302	-1.149256	PNP	NM_001086340.1
DM03313P2	0.2038946	-1.0577018	-1.0861422	-1.0838088	LOC751839	NM_001048214.1
DM07238P1	0.20394409	1.1876385	-1.1096345	1.5252175		
DM03427P3	0.20407254	1.0592563	1.1656283	1.164222	DERE\GG124	XM_001982133.1
DM00479P3	0.20408224	-1.0889217	-1.1504794	-1.1915355	LOC1000561'	XM_001501013.2
DM05692P3	0.20410042	-1.2131135	-1.333437	-1.1266625		
DM08639P1	0.20413421	1.3374897	1.4695143	1.5227838		
DM10657P4	0.20414649	1.1553612	1.1584625	1.0697266		
DM10073P3	0.20427269	-1.3436409	-1.0046126	1.031066		
DM09191P1	0.20435573	1.0401756	-1.0813115	-1.2179459		
DM13107P1	0.20436378	1.5235347	-1.4236186	-1.2366948		
DM11227P1	0.20442006	1.2870113	1.1588926	-1.1172123		
DM01938P3	0.20448215	-1.0906966	-1.0642763	1.1340346	LOC1001830'	XM_002130754.1
DM00049P1	0.20479958	-1.3596473	-1.1916821	-1.2811412	DWIL\GK127'	XM_002074075.1
DM11415P3	0.2049234	1.0027381	1.1754129	1.2794325		
DM13341P1	0.20511806	1.0124525	-1.2687327	-1.0156909		
DM02450P3	0.2051539	-1.0074717	1.0257874	1.0874256	LOC769550	XM_001232841.1
DM06921P3	0.20516688	-1.2388005	-1.2174755	-1.146936		

DM02099P1	0.20522502	1.1580049	-1.1621644	1.0998312	LOC1001234	XM_001607040.1
DM13637P2	0.20523363	1.3505311	1.0431391	1.0536869		
DM08718P1	0.20531587	1.1708454	1.2060761	1.5791247		
DM04544P3	0.20539849	-1.1397309	-1.124216	-1.1537465	CPIPJ_CPIJ01	XM_001864522.1
DM04456P4	0.20543379	1.0599533	1.1185116	-1.045329	DVIR\GJ1231	XM_002046709.1
DM02445P3	0.20544523	-1.3547539	-1.2620512	-1.2693313	DVIR\GJ2171	XM_002049622.1
DM08336P3	0.20569088	-1.225758	-1.0431355	-1.0680581		
DM04948P4	0.2057563	1.1177012	-1.1811811	-1.082083		
DM14504P1	0.2058424	1.1772507	1.1191522	-1.5849409	LOC408615	XM_392156.3
DM01597P2	0.20588756	1.0111779	-1.008606	1.0284549		
DM11545P1	0.20599021	-1.1245044	-1.8178202	1.3103511		
DM13513P2	0.20603606	-1.1429566	1.0350987	-1.0642015		
DM06510P2	0.20604055	1.1114455	-1.0029403	1.1437806		
DM10439P2	0.20610327	-1.1582327	1.1735569	1.0688248		
DM13656P3	0.20613721	1.2308599	1.5124938	-1.0078608		
DM00225P3	0.2061625	1.0119612	-1.138732	1.077729	LOC1000738	XM_001505487.1
DM05409P1	0.20618364	1.4523191	-1.1287069	1.2356683		
DM06543P1	0.2062511	-1.0220771	-1.5281951	1.3095224		
DM10933P3	0.20639588	1.4153775	1.4743224	1.5675085		
DM05085P2	0.20650324	-1.0558331	-1.2560005	-1.1785063		
DM04372P3	0.20651765	-1.133505	-1.3837266	-1.1777215		
DM00990P4	0.2065225	1.1923869	1.0811036	1.282652	HMHA1	NM_001142701.1
DM08126P1	0.20661786	1.0062624	1.0273782	1.5379971		
DM04033P1	0.20663553	1.0334616	1.1618954	-1.1748054		
DM04024P2	0.20682369	1.3313364	1.2335317	1.1387503	LOC592480	XM_792000.2
DM15253P2	0.20693517	1.3272288	1.2156188	1.3358228		
DM13999P1	0.20702527	-1.2594438	1.1169671	1.051641		
DM06658P2	0.20706713	-1.1695935	-1.1737247	-1.1771604		
DM14808P2	0.20709646	1.0398581	1.2237158	1.2548268		
DM01765P1	0.20709895	1.0025077	-1.1604863	1.233174	DPSE\GA134	XM_001360650.2
DM01260P4	0.20713955	1.2349942	1.421717	-1.3850867		
DM10110P1	0.2071416	1.0950289	1.0934842	-1.0252553		
DM02202P1	0.20716348	1.570012	1.071547	1.2086062	LOC661114	XM_967296.2
DM04525P2	0.20717093	-1.5445291	-1.1739823	-1.1231232		
DM12407P1	0.20720862	1.0368994	1.1977359	1.0288739		
DM08747P1	0.20721066	1.0818329	1.1026475	-1.1315393		
DM02385P1	0.20732445	-1.2886568	-1.1923791	-1.19734	DPER\GL116	XM_002016512.1
DM12432P1	0.20747806	1.2567878	1.2841218	1.2793366		
DM07482P3	0.20757423	-1.2270676	-1.5719775	1.2976644		
DM03929P1	0.20762023	1.3415626	1.1432817	1.0755029		
DM04822P1	0.20763618	1.1945562	-1.5781894	1.115567		
DM15119P1	0.20766275	-1.1387136	-1.0309875	1.0780393		
DM03212P3	0.20767891	-1.0539155	-1.1671902	-1.1199719		
DM06263P2	0.20784788	-1.4073766	1.0763115	1.5098647		
DM05231P2	0.20798697	1.1730286	1.1161789	-1.060837		
DM08536P2	0.2080173	-1.1256429	-1.0159202	-1.1582097		
DM11506P1	0.20802183	1.15546	1.2477454	1.5128788		
DM10138P4	0.20803791	1.1081961	1.1103132	1.2866935		
DM13759P1	0.20805421	1.0096818	1.1641505	1.3585256		
DM15036P1	0.20809759	-1.0185935	1.1702347	1.4906112		

DM06623P3	0.20820893	1.1384184	1.1413649	1.363969		
DM12214P3	0.20823975	-1.3013055	-1.4688908	1.7199928		
DM01063P2	0.20824814	1.0783361	1.2190017	-1.109706	CG42400	NM_165245.3
DM09062P4	0.20826876	-1.0236247	-1.0615987	1.1136518		
DM13761P3	0.2082802	-1.0503908	-1.0135504	-1.1889044		
DM02275P3	0.20829879	1.3374878	1.4386368	1.2601818	LOC552523	XM_624899.1
DM02483P2	0.20833574	-1.3351893	-1.1279466	-1.3139068	DWIL\GK248	XM_002067127.1
DM09851P1	0.20838426	-1.2536529	-1.1479343	-1.2716658		
DM05322P1	0.20843302	-1.0230341	1.1245838	-1.1259587		
DM02186P2	0.20848165	1.1101255	1.094892	-1.2445035		
DM03131P3	0.20877306	-1.0238906	-1.0269079	-1.1918627	PSMB2	NM_001162968.1
DM10441P1	0.20877454	-1.2776351	1.0484636	-1.1735048		
DM04964P1	0.20887946	-1.0352048	1.1582831	1.4979409		
DM01552P3	0.20893921	-1.0398668	-1.0642073	1.0943651	DYAK\GE262	XM_002097498.1
DM11253P2	0.20899454	-1.1462994	-1.3181006	-1.181232		
DM13894P4	0.20909433	-1.3647678	1.1754156	-1.3720189		
DM01311P2	0.20911978	-1.1306388	-1.2463894	-1.1493657	COPA	NM_001098398.1
DM02993P2	0.20912093	-1.0430135	-1.1061559	1.1520262	LOC1002552	XM_002285618.1
DM04142P1	0.20916584	1.0685825	1.0895647	1.2673448		
DM05934P2	0.20932086	1.012074	1.0138755	-1.0888946		
DM03111P2	0.20934805	-1.1038494	-1.1424813	-1.0295731		
DM03116P1	0.2093659	1.139987	1.0181189	1.1173162	AAEL_AAEL0C	XM_001657732.1
DM08334P1	0.20951103	1.0478504	1.0839661	1.1093107		
DM01687P2	0.20958447	-1.0621257	-1.0712568	1.0942252	LOC552638	XM_625013.2
DM12771P3	0.20992644	1.1883429	1.232834	-1.0302713		
DM10141P1	0.20995575	-1.2150702	-1.1376874	1.1130315		
DM00519P3	0.20996065	1.0472775	-1.0285722	1.1613988	DSIM\GD196	XM_002102156.1
DM04083P1	0.20997149	-1.1465396	-1.16734	1.0030918	LOC1001647	XM_001951325.1
DM06244P1	0.20997171	-1.1341617	1.057934	-1.027821	LOC654951	XM_961391.2
DM03033P1	0.21000467	-1.2070562	-1.3725032	-1.1916593	LOC551872	XM_624258.2
DM02762P1	0.21002658	1.0937134	1.527954	-1.1104552		
DM05874P3	0.2100697	-1.0898921	1.1510966	-1.024342		
DM04777P1	0.2102297	-1.0920788	-1.1440787	-1.2198678		
DM05997P2	0.21024863	1.134043	1.1193817	-1.0745863		
DM12748P1	0.21031132	1.032539	1.265604	1.0374378		
DM12071P2	0.21031326	1.3180226	1.0912575	1.5473756		
DM05359P3	0.2103763	1.0467094	-1.039987	-1.3575765		
DM12326P2	0.21038544	-1.1298687	-1.3580375	-1.1311501		
DM03237P1	0.21051271	1.0540422	-1.5521754	1.2719308	DYAK\GE224	XM_002095538.1
DM03582P3	0.2105278	-1.037762	1.0978383	-1.0005021		
DM07382P1	0.21055672	1.8395609	2.4603887	1.3064641		
DM14453P4	0.21055946	-1.1337836	1.1216877	1.2572103		
DM13340P1	0.21059763	-1.1461506	-1.1214725	1.0739379		
DM00159P1	0.2106117	-1.0844907	-1.1169405	1.1486592	DVIR\GJ2291	XM_002054201.1
DM10195P2	0.21065181	1.1708667	1.1687493	1.4080845		
DM05099P2	0.21072386	1.0298035	-1.0151932	-1.1034315		
DM02583P1	0.21074194	1.0761576	1.103165	1.5186254	DERE\GG151	XM_001971695.1
DM10220P2	0.21078952	1.0471258	-1.053146	-1.0303777		
DM10059P3	0.21084878	-1.0793693	-1.4968221	1.0595331		
DM06604P3	0.21085072	-1.1109468	-2.5925217	1.1275713		

DM13008P1	0.21090747	2.1986938	3.7932563	1.6929426	NLP-31	NM_071706.4
DM08614P1	0.21092498	1.0902297	-1.4000951	1.100856		
DM15072P1	0.21102595	-1.0093744	-1.2856066	1.3481717		
DM11053P1	0.21108435	-1.0497181	-1.02349	-1.3161894		
DM15101P2	0.21109648	-1.0661776	-1.0649014	-1.302855		
DM04310P1	0.21114025	1.2764164	1.0387056	1.2565459	SAMD4A	XM_421450.2
DM02224P3	0.211188	1.1415457	-1.0564846	1.0193124	DGRI\GH143'	XM_001994708.1
DM03897P3	0.21121596	1.0446192	-1.2892905	-1.2250674	LOC1001180'	XM_001599591.1
DM11313P3	0.21135864	-1.0480635	-1.1876823	1.0299226	CPIPJ_CPIJOC	XM_001844979.1
DM04930P1	0.21136689	1.079711	-1.1153588	1.0109448		
DM11631P1	0.21139315	1.12458	1.2339034	-1.0698575		
DM05227P1	0.21149188	-1.0835351	-1.0760598	-1.2106329		
DM01783P3	0.21150151	-1.1795826	1.1490535	-1.1634552	SNOG_05978	XM_001796314.1
DM07272P1	0.21150747	1.7449358	1.762526	1.0398225		
DM09910P2	0.21152297	1.0603383	1.2276925	-1.172242		
DM04017P1	0.21159111	1.1220372	1.0011257	1.0253284	AGAP_AGAP0	XM_311527.3
DM14800P1	0.21163115	-1.0652074	-1.2295568	-1.2291075		
DM02865P3	0.21170425	1.1961724	1.1504864	1.1957967	GHITM	NM_001017195.2
DM08011P3	0.21170735	-1.2470472	1.2751423	-1.0569344		
DM00620P2	0.21179321	-1.012079	1.1038467	1.1158348	DNAJB5	XM_860937.1
DM06182P1	0.21182698	1.8118517	-6.867705	1.3217633		
DM00241P1	0.21183605	-1.169515	-1.0291015	-1.1511726	ISCW_ISCWC	XM_002411185.1
DM11044P3	0.21191691	-1.1603577	-1.0934948	-1.1975161		
DM00613P1	0.21195023	1.0190591	1.0225862	-1.1728696		
DM13977P4	0.2120025	-1.1279713	1.1685541	1.2434644		
DM05834P4	0.21211778	1.0956142	-1.0697992	-1.102864	LOC725788	XM_001121595.1
DM05920P2	0.21214077	-1.0340351	-1.2531798	1.0988054		
DM07107P4	0.21226622	1.394581	-2.1044638	1.3654932		
DM08774P1	0.21241142	1.3983417	1.6274308	1.5537807		
DM09344P1	0.21243754	-1.1457627	-1.1303675	-1.1174408		
DM09417P2	0.21249348	1.0742261	1.1950604	1.1887996		
DM04190P4	0.21257937	1.2184187	1.2436751	1.2336291		
DM15304P1	0.21264099	-1.2867985	-1.1811975	-1.1887826		
DM07640P1	0.21274915	1.0007613	-1.1065985	1.1676478		
DM01790P1	0.212832	1.0471383	1.0768257	-1.0909034		
DM15149P1	0.21284607	-1.0074383	-1.4654515	1.2815526	CG34333	NM_001103396.1
DM11030P2	0.21300876	1.2048215	1.0626025	-1.2078124		
DM10802P2	0.21301152	1.0819191	1.1407787	1.0596837		
DM02244P4	0.2130249	-1.29694	-1.0445455	-1.1878166	LOC1001651'	XM_001951292.1
DM00029P1	0.21303286	1.1151646	-1.0366489	-1.1553128	AGAP_AGAP0	XM_308279.4
DM11478P3	0.21304439	1.2319715	1.098405	-1.3050221		
DM15114P2	0.2132663	-1.150687	1.0441378	-1.069262		
DM06692P2	0.21328638	1.1005495	-1.2113402	1.0791596		
DM12048P1	0.2133357	-1.4064124	-1.5889783	-1.2551737		
DM12483P1	0.21339494	1.0732394	-1.2247595	1.0253078		
DM04769P1	0.21352246	-1.0260937	-1.1152747	-1.3226985		
DM14000P1	0.21353668	-1.6217035	-1.1201999	1.0188404		
DM04257P1	0.21359736	-1.0868869	-1.0920409	1.0943123		
DM09104P2	0.21367492	-1.059564	1.1534048	-1.1286159		
DM02981P3	0.21377622	-1.2540656	-1.2908195	1.1294827	LOC1001623'	XM_001950988.1

DM05792P2	0.21379346	-1.0647656	-1.1203539	-1.1751504	LOC726306	XM_001122054.1
DM12912P2	0.21380791	1.0437075	-1.0416967	-1.1902839		
DM10352P3	0.21394154	-1.1670815	1.3713096	1.1886503	VTGA2	NM_001159281.1
DM03149P3	0.21396527	1.104442	1.0748693	-1.1233479	SEC15	XM_393572.3
DM03495P2	0.21426971	-1.061502	-1.0590732	-1.2056451		
DM14950P4	0.21441191	1.026579	1.0580037	-1.1620578		
DM15193P2	0.21447834	1.0856259	1.3597238	1.4459711		
DM04558P3	0.21449551	1.1019195	1.0712472	-1.2383605		
DM08623P2	0.2145557	-1.1700634	-1.1941499	-1.1450332		
DM02003P2	0.2145564	-1.1581106	-1.124647	1.0587306	POPTRDRAFT	XM_002311866.1
DM10243P1	0.2145753	-1.0685649	-1.1558591	-1.0394934	DPSE\GA239	XM_002135210.1
DM06080P1	0.2145956	-1.0806988	-1.1899463	-1.0900465	LOC657563	XM_964017.2
DM11679P2	0.21462321	-1.0726876	1.0377127	-1.1463828		
DM13039P2	0.21465012	-1.2006675	-1.2057699	-1.0758628		
DM01670P2	0.21468656	-1.0839247	-1.0719196	1.0958384	GPX5	NM_001025335.2
DM02580P1	0.21470524	-1.0318533	1.1122215	1.0761224	ISCW_ISCWC	XM_002412631.1
DM08584P1	0.21471024	-1.0420938	-1.0605227	1.028922		
DM02232P2	0.21471278	1.010744	-1.1107166	1.0620278	NME1	NM_008704.2
DM00434P4	0.21479264	-1.1429145	-1.7095883	1.8297524	COL-50	NM_058793.1
DM05372P1	0.2148024	1.0697222	-2.7829423	-1.1209818		
DM01535P3	0.2148385	1.0120766	1.0248939	-1.198272	DPSE\GA184	XM_001358084.2
DM01500P1	0.21483989	1.1274803	1.2682489	-1.1509618	DGRI\GH150	XM_001984368.1
DM13836P1	0.21486346	1.0519756	-1.5603626	-1.0586908		
DM07633P3	0.21489273	1.1213739	1.1272469	-1.052479		
DM12849P1	0.21492524	1.1555554	1.157996	-1.0297396		
DM14369P1	0.21496764	-1.1795204	-1.0675848	1.0090818		
DM05223P1	0.21498379	-1.1999935	-1.0808893	1.07036		
DM09286P2	0.2150406	1.091377	1.1190466	-1.1324844		
DM02134P2	0.21510474	-1.4195782	-1.1123139	-1.0381541	LOC1000592	XM_001494180.2
DM01199P2	0.21534553	1.2844073	1.1028384	-1.062821		
DM03066P4	0.21543081	-1.1503508	-1.0175894	-1.0045968	LOC550824	XM_623214.2
DM12440P1	0.21549459	1.0372232	1.0028385	-1.0986084		
DM03031P3	0.21550284	1.0089492	-1.2081331	-1.0684917	DPSE\GA205	XM_001358942.2
DM06350P3	0.21551332	1.1095229	1.0575893	-1.2405983		
DM05152P1	0.21555813	1.1688281	1.2015119	1.0862476		
DM11918P3	0.21557152	1.0094911	-1.1172847	1.7816503		
DM03265P4	0.21573874	1.0632297	1.1211361	-1.0194968		
DM03623P2	0.21574748	1.1004134	1.1503246	-1.069009	LOC657831	XM_964266.1
DM04727P1	0.21580374	-1.122441	1.0011835	1.166365		
DM01329P3	0.21584907	-1.0070047	-1.0144256	-1.5140905	LOC664351	XM_970362.2
DM13244P1	0.21592285	-1.85588	-1.2816807	-1.2353529		
DM13831P4	0.21593684	-1.2375557	-1.111793	-1.0333531		
DM12060P3	0.21595083	-1.051498	1.0938059	1.0989381		
DM10892P2	0.2159654	1.3840134	1.1911834	1.3039018		
DM00651P1	0.21597135	-1.4311932	-1.3626419	-2.0690317	ISCW_ISCWC	XM_002399272.1
DM13615P1	0.2159774	-1.4528798	1.1455423	-1.1375564		
DM12039P1	0.21614125	-1.1526641	-1.0045228	-1.0672959	LOC1002319	XM_002199836.1
DM06464P2	0.21619143	-1.2790912	-1.2657048	1.0997467		
DM00778P1	0.2163093	-1.0422208	-1.1145048	-1.3763216	LOC1000523	XM_001496088.2
DM10074P3	0.21635938	-1.3138547	-1.5662721	-1.0170265		

DM00217P4	0.21644531	-1.135982	-1.0130271	-1.2799575	OLA1	NM_025942.2
DM11387P1	0.21650779	1.5481824	1.3636717	1.3947964		
DM13728P2	0.21659285	1.1566966	1.2107141	-1.0214647		
DM09044P2	0.2166265	-1.0779016	1.0572536	-1.156514		
DM00389P1	0.21663585	1.0438213	-1.153755	1.0424101	DANA\GF105	XM_001957646.1
DM13070P4	0.2167338	-1.2633519	-1.1338998	-1.2768124		
DM00811P1	0.21685657	-1.0793968	-1.1299751	-1.1414815	SF1	NM_079915.2
DM03341P3	0.2168892	-1.1158954	1.0974445	1.0259992		
DM04985P2	0.21690722	1.2147307	1.4804064	1.184837		
DM01402P3	0.21704611	1.2431263	1.4277753	-1.0379095	DVIR\GJ1111	XM_002056729.1
DM09629P1	0.21708532	-1.6917087	-1.4779756	-1.1264839		
DM09991P1	0.21715894	1.0827675	-1.0901273	-1.1814668	DANA\GF201	XM_001963618.1
DM02072P3	0.21721351	1.156659	1.2616675	1.1450424	LOC798292	XM_001334663.2
DM10834P1	0.21729292	1.0206026	1.1865636	-1.0898097		
DM07996P1	0.21742615	1.001985	1.0151031	1.1568418		
DM07413P1	0.2176787	-1.037634	-1.1536362	1.042003		
DM09329P1	0.21773946	1.1834716	-1.1930754	-1.009275		
DM02382P1	0.21782114	1.117038	1.1218382	1.0080624	ACSS3	XM_416118.2
DM02123P3	0.21788311	-1.0420252	-1.1979026	-1.0267977	DYAK\GE197	XM_002095367.1
DM09943P3	0.21802154	-1.1828219	-1.0120971	-1.1016334	LOC1001866	XM_002131962.1
DM04339P1	0.2180246	-1.1530151	-1.0010487	-1.1510829		
DM02346P2	0.21805902	1.0693673	1.3076621	1.0866648	AGAP_AGAP0	XM_001688043.1
DM06502P3	0.21813667	-1.0232711	-1.9708737	1.6132106	DANA\GF123	XM_001958774.1
DM08601P3	0.21817414	1.1853851	1.2234665	1.1742444		
DM06200P1	0.21820834	-1.1412531	-1.0846698	1.165337	LOC1001748	NM_001130902.1
DM06107P1	0.2182107	1.1165088	1.2113154	-1.3494374		
DM05864P1	0.21825242	1.078451	1.5741868	-1.2234133		
DM09375P4	0.21829697	-1.3006009	1.0808192	-1.2788272		
DM00174P2	0.21833895	-1.0621127	1.0399278	-1.1332933	DERE\GG161	XM_001973431.1
DM14737P1	0.21834259	1.2258878	1.8623306	1.5644604		
DM13776P1	0.21845396	-1.2380463	-1.0516397	-1.0098578		
DM11652P2	0.21845725	1.0057904	1.1373684	-1.1169184		
DM03027P1	0.21852395	1.1305764	1.174562	1.1663992	DANA\GF160	XM_001955703.1
DM10551P3	0.21863316	1.0057971	1.2280941	1.0895715		
DM09385P2	0.2187118	1.0926094	-1.0389428	1.175227		
DM04993P1	0.21877845	1.0053805	-1.221177	1.1531097		
DM13004P1	0.2187894	1.0582739	1.2511283	1.236599		
DM04650P1	0.21883462	1.0165008	-1.2967492	1.4541168	DYAK\GE224	XM_002095540.1
DM12260P1	0.21900523	1.1160524	1.1223559	1.1705829		
DM00689P2	0.21905614	1.0184147	-1.0008589	-1.0775237	LOC408507	XM_392050.3
DM03604P1	0.21909752	1.246982	1.3467559	1.158533	SI:CH211-28	XM_679687.3
DM14226P1	0.21909824	-1.0501153	1.117686	1.3465972		
DM09876P1	0.2191105	-1.0035334	1.0463283	1.6373302		
DM14561P1	0.21915577	-1.0800534	1.2629812	1.3794966		
DM12668P3	0.21916509	1.0481045	1.0449164	-1.1337223		
DM02266P1	0.21924895	-1.2476478	-1.1567734	1.0279163		
DM01666P1	0.21926606	1.4365684	1.3693649	1.3304654		
DM13793P1	0.21927042	1.081556	1.1593616	-1.0202206		
DM13357P1	0.21929708	-1.0852242	-1.2373933	1.0720129		
DM12784P1	0.2193103	1.0799034	-1.1605533	1.1659423		

DM11057P1	0.21935761	-1.0142905	1.0333719	-1.2372856	
DM12537P1	0.21943703	-1.0399395	-1.8992369	1.1539513	
DM01702P2	0.21948095	1.1480944	1.0242248	-1.0988141	DSIM\GD176 XM_002105351.1
DM06578P2	0.2195806	1.2299385	1.3495138	-1.1246508	
DM14103P1	0.21960978	1.1795837	1.1365877	-1.0890344	
DM07224P1	0.21972142	-1.0540742	-2.3821576	1.1429555	
DM03204P3	0.21972461	-1.0405498	-1.0166489	-1.4606011	
DM03036P2	0.21973276	-1.2743032	-1.0874856	-1.0003825	LOC1000673 XM_001502120.1
DM02731P3	0.21978441	1.0493423	-1.2300271	-1.0589633	HSP XM_001650527.1
DM08014P1	0.21987435	-1.0888568	-1.0336359	-1.2190349	
DM13769P3	0.21988086	1.1169477	1.5682352	1.3861811	
DM06461P3	0.22009304	1.3007733	1.0173236	-1.0063331	
DM05079P2	0.22018771	1.1290778	-1.244394	1.0903977	
DM10881P3	0.22024262	1.1559006	1.3008265	-1.0640092	LELG_03959 XM_001524878.1
DM11717P3	0.22027175	-1.1995016	-1.1933658	-1.1140319	RPS18A XM_001658273.1
DM08074P4	0.22029234	1.7751318	3.386323	1.2963927	DEHA2A0979 XM_456757.1
DM14243P1	0.22040035	-1.0963479	-1.0960276	1.0407996	LOC1001235 XM_001607142.1
DM06541P2	0.22041646	-1.2613881	-1.2641315	1.205737	
DM07329P3	0.22047143	1.4476484	1.3487505	1.5153958	
DM12586P1	0.22048718	-1.2361453	-1.0752122	-1.1150906	
DM06164P3	0.22055686	-1.2045437	-1.2063166	1.1098294	
DM03779P2	0.22071321	1.0580713	1.1211034	-1.3070594	DWIL\GK162 XM_002067334.1
DM10147P1	0.22082517	1.0201901	1.0745231	-1.1569302	
DM08883P1	0.22083868	-1.1262443	1.0790169	-1.1581081	
DM02974P1	0.2209368	-1.250509	-1.698847	1.1427144	
DM00674P3	0.2209406	1.0827669	1.0161134	-1.064064	CNOT2 XM_856796.1
DM05218P1	0.2209609	-1.1581702	-1.3072599	-1.2899784	
DM14355P2	0.22097501	-1.1228552	1.0157511	1.130442	
DM15010P1	0.22101906	-1.0329192	1.245785	1.4226472	
DM13285P3	0.22105905	-1.3820696	-1.1150827	-1.0784049	
DM15094P3	0.22111225	1.2414166	-1.0839784	1.0118674	
DM11829P3	0.22123861	1.4787618	-2.1740549	3.0541484	
DM07635P1	0.22130503	-1.0238873	1.1640489	-1.0506417	
DM03356P1	0.22133973	1.2522393	1.092016	1.3416495	
DM07170P1	0.22135992	1.0409148	1.1883755	1.3920382	
DM13346P4	0.22140189	1.0852468	-1.0379231	-1.0828481	CC1G_11196 XM_001834231.1
DM10976P2	0.22144313	1.057806	-1.2719252	1.1271645	GRIP1 NM_001044851.1
DM07987P1	0.22147785	1.2013817	1.1474819	1.1496723	
DM07842P1	0.22148451	-1.1296736	-1.1360712	1.0833862	
DM02680P2	0.22154349	1.9909104	2.5103858	1.2114123	
DM02482P2	0.22169504	-1.0605732	1.1663737	-1.0907425	LOC1001690 XM_001942567.1
DM11311P3	0.22170015	-1.0763544	-1.008249	1.04037	
DM05619P1	0.22173347	-1.0083591	1.0995084	-1.0809699	
DM04713P2	0.2217869	1.52424	-2.5644326	1.8221998	
DM13291P2	0.22182594	-1.2271957	-1.057588	1.1551667	DVIR\GJ1253 XM_002046345.1
DM06778P1	0.22184153	1.0022273	-2.4071517	1.1388096	
DM11146P3	0.22188677	-1.4426793	-1.7560709	-1.772415	
DM09373P1	0.22192417	1.0194825	1.1069022	1.1273992	
DM01330P1	0.22196144	1.0858967	1.1455542	1.2729508	
DM06501P1	0.22208068	1.3044755	-1.0624892	1.019267	



DM00063P3	0.22209544	1.2072562	-1.235516	-1.0199486	CDC42	XM_001658190.1
DM11281P1	0.22211404	-1.1302054	1.0733788	-1.2041165		
DM01738P1	0.22214657	-1.0708011	1.0118372	1.0358179	BRAFLDRAFT	XM_002612557.1
DM03514P2	0.22232002	1.8643273	2.302199	1.2692003		
DM12003P1	0.22237451	1.4123858	1.1597409	1.1267685		
DM11870P2	0.22246088	1.1574448	1.1149125	1.0218688		
DM08993P3	0.22255777	-1.1007496	1.0709732	1.1245626		
DM07802P1	0.22261328	-1.0653287	1.0220276	-1.1870482		
DM04732P3	0.2226775	1.1845562	-1.0127858	1.1915774	DANA\GF181	XM_001954104.1
DM00656P1	0.22267893	1.0546317	1.0310242	-1.2258162	DWIL\GK173	XM_002061986.1
DM03443P4	0.22282223	1.1171514	-1.0129793	-1.380211		
DM03379P3	0.22282916	-1.0905507	-1.2154506	-1.0352172		
DM06174P3	0.22287612	1.0531559	1.0963764	1.257935	LOC1001649	XM_001947405.1
DM07448P3	0.22299048	-1.4859233	-1.0784467	-1.3047104		
DM07519P3	0.22299407	1.3572873	1.2843541	-1.0478853		
DM09881P4	0.22305647	1.0358415	1.1582783	1.0142008		
DM07847P1	0.22312784	-1.1615921	1.0431256	1.1807253		
DM07467P1	0.22316085	-1.2157654	-1.5185256	1.2714201		
DM08135P1	0.22320415	-1.0452714	1.3781172	1.3360003		
DM09761P2	0.22322018	-1.1510234	1.0544525	1.1293744	AHCY	NM_001021475.1
DM10165P2	0.22329877	-1.0981123	-1.0942963	-1.3217515		
DM03558P2	0.22340338	1.0585597	-1.0208989	-1.0484962		
DM09327P1	0.22342995	-1.0360194	1.1098518	-1.1582745		
DM05854P3	0.22348034	-1.1484827	-1.0198277	-1.147154	LOC594644	XM_001189210.1
DM03353P1	0.22353087	-1.2516147	-1.1378766	1.0266805	DANA\SNRNA	XR_045959.1
DM11345P2	0.22357447	-1.3758067	-1.4119289	-1.1409029		
DM14807P1	0.2236013	1.0663462	-1.1309065	-1.1430833		
DM08088P2	0.2236364	-1.3355879	-1.1240213	-1.1559896		
DM12107P2	0.22364382	1.0088887	1.1597732	-1.0912802		
DM13655P2	0.22364466	-1.2948692	-1.0149925	1.2130042		
DM12000P2	0.2236884	1.051888	1.0451823	1.2303648		
DM11222P3	0.22369175	-1.0221032	1.5537622	-1.6700208		
DM11251P2	0.2237168	1.2052063	-1.3824602	-1.110175	ATEG_02300	XM_001211478.1
DM01667P1	0.22376533	-1.18815	-1.0395144	1.0297424	DVIR\GJ1450	XM_002058551.1
DM04176P2	0.2237712	1.1674029	1.3156488	1.3694048		
DM14810P2	0.22379948	-1.0590588	1.2994242	1.4353352		
DM08145P4	0.22380345	-1.0618767	-1.0558494	-1.1586504		
DM09976P4	0.22383831	1.2817408	-1.0191045	-1.0406969		
DM03309P1	0.2238575	1.0700057	1.1818905	1.1318897	LOC1001587	XM_001945408.1
DM09490P3	0.22391672	1.0364058	1.1999809	1.0789875		
DM05614P1	0.22395511	1.0145535	1.0069062	-1.229284		
DM12101P3	0.22403486	1.4519664	1.0426896	2.3298051		
DM06457P3	0.22412089	-1.0717859	1.144109	-1.0167		
DM10732P1	0.22417285	-1.1065599	-1.1764475	-1.2243006		
DM05305P2	0.22431318	1.2955321	-1.0887139	1.1924405		
DM09339P1	0.22434981	-1.0587419	1.0493966	-1.0082874		
DM10237P1	0.22442019	1.0237055	-1.2911403	1.1121775		
DM05807P1	0.22450598	-1.0512885	1.0304545	-1.12316		
DM01892P1	0.224583	-1.1295319	-1.1421727	-1.0418401	HINT2	NM_001107955.2
DM08277P1	0.2246039	-1.1810483	-1.1317314	-1.1641948		

DM13441P1	0.22462554	1.0110896	-1.0619432	1.3177435		
DM14872P4	0.22465788	-1.1521007	1.0302339	1.1687176		
DM12445P1	0.22475852	-1.1203231	-1.2123626	1.1539737		
DM12334P3	0.22495256	-1.0220265	1.0923176	-1.0886973	DMOJ\GI2049	XM_002005461.1
DM10919P2	0.22497086	1.4563832	3.5486157	-1.0464349	DYAK\GE1179	XM_002092238.1
DM08792P1	0.22498603	-1.0934623	1.0505761	-1.1110785		
DM08471P2	0.22502574	-1.0762911	-1.062219	1.2816305		
DM01423P2	0.22519878	-1.0596514	-1.0398132	-1.1522276	DNAJ-2	NM_001046827.1
DM10069P1	0.22523057	-1.162118	1.1762494	-1.038689		
DM09085P2	0.2252343	-1.0182141	-1.1022161	1.1177286	MGG_00099	XM_369145.1
DM05462P3	0.22525418	1.0257338	1.1136241	-1.0677713		
DM00625P3	0.22526948	-1.1181493	-1.2041512	-1.1288065	SENP7	NM_020654.3
DM08287P1	0.22527152	-1.3905088	-1.1078341	-1.1199553		
DM07613P4	0.2253431	1.0310658	-1.0816209	-1.0369776		
DM08695P1	0.2253672	1.3750614	-1.1817156	1.8947455	PHYPADRAFT	XM_001753776.1
DM07054P4	0.2254805	1.1273087	1.1864532	1.2774018		
DM05875P1	0.22565536	1.1784225	1.0814457	-1.6661991		
DM09257P1	0.22566949	1.0227102	-1.1204084	1.0748111		
DM12155P3	0.22567044	1.0223229	-1.108915	-1.3762963		
DM15065P1	0.2256924	1.0979369	-1.1619	1.2167		
DM09075P3	0.22577108	1.0209929	1.0643567	-1.0976206		
DM01576P1	0.22589275	-1.067864	-1.0196496	1.1008406	DWIL\GK2489	XM_002067168.1
DM10234P1	0.22590096	-1.4424342	-1.2309207	-1.5252912		
DM02922P2	0.22590567	1.1806288	1.112561	1.0026585	TRIADDRAFT	XM_002117580.1
DM14276P1	0.2260187	-1.21421	1.0748485	-1.0593297		
DM14437P2	0.22602837	-1.039475	1.1227144	1.0599446		
DM13215P1	0.22605094	-1.0627294	-1.2269163	1.1078066		
DM12115P1	0.22623438	2.242428	2.594954	1.4501337	DSEC\GM112	XM_002044331.1
DM11018P3	0.22633508	-1.0444839	1.3153422	1.1857455		
DM00188P3	0.22636496	-1.1473712	-1.2711128	-1.1430222	LOC10011409	XM_001606793.1
DM09916P3	0.22638163	1.3184361	1.3127301	1.2944844		
DM00544P2	0.22644332	1.0532008	-1.1619191	1.0119296	LOC655116	XM_961626.2
DM04446P2	0.22649425	1.0436964	1.1022248	-1.1038567		
DM00553P1	0.22656442	-1.0174675	-1.1018655	1.0693702	LOC664443	XM_970449.1
DM09529P1	0.22664358	-1.0580766	-1.0382203	-1.2664683		
DM09749P3	0.22674781	-1.1031452	-1.2298636	1.0559399		
DM02755P3	0.22675157	-1.245232	1.0538127	1.1465634	DMOJ\GI2239	XM_002000641.1
DM06898P3	0.22681308	1.1757472	1.0141423	1.3128016		
DM09476P2	0.22683367	-1.1853929	1.0832497	-1.4198679		
DM00999P1	0.22684506	-1.0262488	-1.3581498	-1.0051146	LOC10011539	XM_001600013.1
DM13378P3	0.22687328	-1.0687821	1.0644774	-1.1710092		
DM07849P3	0.226965	-1.0337007	-2.1255352	1.6085244		
DM04061P4	0.2270005	1.2265016	-1.1796457	1.1113522		
DM03303P4	0.22700813	1.1002014	1.289319	-1.0342621	RFC4	NM_001006550.1
DM05140P2	0.22701469	-1.003749	1.0759307	1.0821074		
DM07246P2	0.22714561	-1.3270501	-1.1044996	1.1071689		
DM03319P4	0.22717167	1.0309025	1.1349764	1.1852776		
DM04425P3	0.2272955	-1.0323043	-1.2449692	-1.2888103		
DM06596P1	0.22731128	-1.0759898	-1.0724607	1.3026011		
DM13123P2	0.22732256	-1.2278407	-1.1330471	1.037583		

DM06829P2	0.22735302	-1.872591	-1.3932083	-2.232038	
DM12579P4	0.22785176	-1.0618669	1.1260922	1.0810195	
DM13850P3	0.22786465	1.4285753	-1.0594332	1.0310332	
DM06915P3	0.22787523	1.4964885	-2.3095896	1.3822325	
DM10422P3	0.22788471	-1.0004803	-1.2412281	-1.3024242	
DM12781P2	0.22801541	-1.0629848	-1.0997638	1.072397	
DM07268P2	0.22804217	-1.1506019	-1.1276747	1.0289701	
DM15238P3	0.22805007	1.1223372	1.0219784	1.2083632	
DM06919P2	0.2280868	1.1444492	1.3057541	1.5461694	
DM00350P2	0.22814532	-1.0251589	-1.0801243	-1.1477219	DVIR\GJ1433 XM_002058357.1
DM10322P3	0.22817732	-1.1022906	1.2899013	1.0352126	
DM11903P2	0.228281	1.0397394	1.0475628	-1.0719811	
DM07686P1	0.22829987	1.0338526	-1.1557564	-1.2913886	
DM00638P3	0.22838217	1.0471991	1.0638142	1.2387288	LOC1002094(XM_002158906.1
DM00477P2	0.2285008	1.195458	1.1530623	-1.0683051	CCNT1 NM_001001147.1
DM13670P3	0.22851883	1.3164663	-1.0887035	1.2565926	TRIADDRAFT_XM_002113507.1
DM00062P2	0.22852138	1.0610853	-1.0224025	1.0852216	RABB NM_001043545.1
DM00816P3	0.22855318	-1.1570709	-1.2258524	-1.1271214	BM1_43445 XM_001900115.1
DM12959P2	0.22860253	-1.123133	-1.0486158	1.2384076	LOC579058 XM_779192.2
DM11853P2	0.2286453	1.3527964	1.2073977	-1.2012935	
DM06723P4	0.22873452	1.0644381	1.1931194	-1.1275594	KLHL18 NM_025010.4
DM12996P1	0.22887829	1.0579339	1.106592	-1.1294357	LOC1000791 XM_001510113.1
DM01156P2	0.22894683	1.051542	-1.2894788	-1.2054383	
DM13167P1	0.22898112	-1.0748527	1.1398407	1.1759243	
DM12075P1	0.22898905	-1.0382247	1.0939621	-1.2134458	LOC413177 XM_396628.3
DM08962P2	0.22910792	1.3891685	1.028241	1.1143286	
DM00104P1	0.22916041	1.1063037	-1.0300629	1.0113845	ACT XM_001655608.1
DM02473P1	0.22916798	-1.1641161	1.1388124	1.0248045	LOC1001640(XM_001947968.1
DM04421P1	0.22917835	1.4125174	-1.125125	-1.2254286	
DM10690P4	0.22918275	-1.0784624	1.1132109	-1.0218705	
DM13199P2	0.22931182	-1.318004	1.0657277	1.1391071	
DM05393P3	0.22937083	-1.112792	-1.2056354	-1.3225771	
DM02645P1	0.22948644	-1.0512826	1.0517968	-1.0757233	PRDX6 NM_001089200.1
DM14868P3	0.22953178	-1.1728963	-1.6631248	1.3278061	
DM07684P1	0.22958508	1.0320222	1.0595334	-1.1464834	
DM12488P1	0.22964731	-1.0158615	-1.0044017	-1.1228853	
DM00870P3	0.22966222	-1.090732	-1.1042602	-1.3445674	ENPP2 NM_057104.2
DM01291P3	0.22976412	1.250845	1.2224118	1.096933	AGAP_AGAP0 XM_307827.4
DM04108P3	0.22980571	-1.2334026	-1.166428	-1.0795195	
DM07133P1	0.22983862	1.1653882	1.0703176	1.1151618	
DM09609P2	0.22989602	-1.1184683	1.0999383	-1.116295	
DM13527P1	0.22999652	-1.2253675	-1.5988469	1.1645921	PRKAB2 NM_001113101.1
DM08140P2	0.23002248	1.0878316	1.063677	1.3134202	
DM11182P2	0.23002529	1.0621096	1.2515106	1.1168399	
DM09436P1	0.23004733	1.2253368	1.0952543	1.0616742	
DM15049P2	0.23006791	1.042131	-1.1097764	-1.3135865	
DM08348P2	0.23022677	-1.1573064	1.1456265	1.1491245	
DM14371P1	0.23033412	-1.2722349	-1.693332	1.2342169	
DM07128P2	0.23037028	1.188872	1.3672673	1.2767875	
DM00527P2	0.23040387	-1.1732534	1.0079695	1.0639008	LOC732954 NM_001046952.1

DM01655P4	0.23046543	1.2336463	1.1382904	-1.0702002	RAB18	NM_001006355.1
DM12706P3	0.2304745	-1.0661942	-1.015998	1.1502308		
DM00510P3	0.23064929	-1.0880852	-1.1175969	-1.2413198	ATP6V1C1	NM_203841.1
DM14004P2	0.23073593	-1.3044622	-1.0983096	1.0292919	DRK	XM_623351.2
DM02102P1	0.23074661	1.1806109	-1.0059708	1.1615835	TNNC	XM_001862803.1
DM14401P3	0.23078552	-1.2585722	-1.0858722	1.018155		
DM05278P2	0.23089404	-1.1843106	-1.010965	-1.1435263		
DM11014P2	0.23089404	-1.0302655	1.0859318	-1.02668		
DM00214P3	0.23093249	-1.0277954	-1.2128966	-1.108145	LOC657563	XM_964017.2
DM07444P1	0.23095742	1.4734302	-1.8326026	1.4394871		
DM08284P2	0.23101847	1.0207975	1.2952325	1.5345924		
DM06283P3	0.23102657	-1.1672837	-1.1932502	-1.0705649		
DM02235P3	0.23104414	-1.0285802	1.0102113	1.1634688	DYAK\GE116!	XM_002092420.1
DM09208P1	0.23107389	1.0300745	1.0492833	1.057128		
DM08400P1	0.23110853	1.215641	-1.2443119	1.0053881		
DM08891P3	0.23111296	-1.1093655	1.0578978	-1.1823628		
DM10875P1	0.23119321	1.1007038	1.0166049	1.6551768		
DM11212P2	0.23121178	1.1052907	-1.063809	1.0690173	LOC659185	XM_965512.2
DM04709P4	0.23137052	-1.0024078	1.3156267	1.0259097		
DM10588P3	0.23146734	-1.0665808	1.0604528	1.1120701	BRAFLDRAFT	XM_002610056.1
DM14132P3	0.23151237	-1.2099657	-1.0070102	-1.2795638		
DM09654P3	0.23154916	-1.0859911	-1.4674628	-1.2749275		
DM08855P3	0.23160763	-1.121333	1.0420172	-1.1010221		
DM02770P1	0.23161243	1.1617026	1.2214011	1.1218694		
DM14140P1	0.2316235	1.0308887	-1.4414679	1.0673722		
DM02615P2	0.23165736	1.6445231	1.649301	1.3129976		
DM09617P2	0.23166414	-1.0984415	1.0413169	-1.2147546		
DM03654P3	0.23191737	-1.1549643	-1.4404743	1.1133487		
DM01605P3	0.23195039	-1.0476339	-1.0140696	-1.1788664	DWIL\GK163!	XM_002067272.1
DM05608P3	0.231978	1.0442531	1.0489069	-1.058148	LOC1001219	XM_001605473.1
DM15172P2	0.23202495	-1.1295648	-1.2903643	-1.1203655		
DM15263P1	0.2321496	-1.0298254	1.2862085	1.1076078		
DM06725P2	0.23229441	1.2467586	-1.8445051	-1.5654815		
DM03750P1	0.23234573	-1.0559765	1.2573218	1.2291483	DPER\GL208!	XM_002027390.1
DM07196P1	0.2323825	-1.398949	-1.2101593	-1.1360544		
DM13185P1	0.23240966	-1.3757085	-1.2221966	-1.1721059		
DM10393P1	0.23242657	-1.0536615	1.2576569	-1.4420975		
DM09426P3	0.23244804	1.0701532	1.3760045	1.1219475		
DM09898P3	0.2324499	-1.0515864	-2.0375187	-1.0501255		
DM02758P3	0.23249817	-1.1251259	-1.1471524	-1.1921602	LOC1001904!	XM_002194785.1
DM08434P2	0.23252039	2.1130965	-1.9075454	3.2702694		
DM09394P1	0.23275544	1.0491381	1.0375985	-1.4176316	BM1_35510	XM_001898514.1
DM02416P1	0.23276755	-1.2076731	-1.2414536	-1.0124148	TRIADDRAFT	XM_002112920.1
DM08816P1	0.2328312	2.0863986	1.2855756	2.6346927		
DM04970P1	0.23289177	1.1850929	-1.1986582	-1.1955053		
DM10873P1	0.23291376	1.1081469	1.0134321	1.3366542		
DM07895P1	0.23296545	-1.1566979	-1.1142479	-1.227741		
DM00167P2	0.23297757	1.1285394	-1.1662408	1.1091597	LOC1001234!	XM_001607040.1
DM02952P1	0.23300959	-1.0091552	-1.0461476	1.0004804		
DM04902P2	0.23301034	-1.0298402	-1.1826673	-1.181892		

DM09170P3	0.23306786	-1.168393	-1.1457596	-1.2344085	PK	NM_001141703.1
DM10727P2	0.23329367	-1.033505	1.0421746	-1.0818706		
DM10945P1	0.23342009	1.0394452	1.0754441	-1.1281229		
DM07656P4	0.23345996	1.1508693	1.2360587	1.1675981		
DM10112P1	0.23362696	-1.0410022	-1.0059714	-1.1859496	LOC1001135:	XM_001599659.1
DM03096P1	0.23364556	-1.1666313	-1.02919	1.1021127		
DM07409P2	0.2336499	1.0554211	1.1915321	1.0266317		
DM10245P2	0.23370901	1.008813	-1.1391793	-1.1353604		
DM07475P2	0.23371843	-1.185846	-1.1856526	1.0282232		
DM04507P1	0.23373616	-1.0520836	1.0695577	-1.154443		
DM09517P1	0.23380472	-1.152586	1.0621397	1.1740644		
DM09768P2	0.23392676	1.136222	1.308816	1.428172		
DM11826P3	0.23398085	1.0642493	1.078151	-1.0827012		
DM08219P2	0.2341896	1.0185663	1.2668645	1.4384574		
DM06629P3	0.23422709	-1.2011167	1.2290032	1.259594		
DM00017P3	0.23423219	-1.0539136	-1.1044644	-1.1964934	HSDL2	NM_001104963.1
DM05791P2	0.23459572	-1.0580815	-1.0805709	1.1072413		
DM01187P1	0.23466125	1.098935	-1.229884	-1.1463138		
DM08396P4	0.23466212	1.3357804	1.6045772	1.1886674		
DM06298P1	0.23473884	-1.2969323	-1.1304547	-1.622197	DNAJC3	NM_022232.1
DM12159P1	0.23477069	-1.019304	1.2066537	1.0734469		
DM01690P2	0.23479432	-1.055165	-1.003966	1.2454004	MLC-2	NM_001098343.1
DM08198P4	0.23483711	-1.2530524	-1.0836043	1.3565929		
DM05645P2	0.2348467	1.3674693	1.5330695	1.3527458	DERE\GG183	XM_001977151.1
DM13212P3	0.23486985	1.2902153	1.4284892	1.5253084		
DM13084P4	0.23487195	-1.0673887	-1.5353533	-1.1795715		
DM07218P3	0.23493008	-1.1093752	-1.1839709	-1.0898838		
DM00540P2	0.23498496	1.0488864	-1.3657125	-1.0203947	DVIR\GJ2129	XM_002048867.1
DM15292P3	0.23519976	-1.4538896	-1.1643338	-1.6448783		
DM02331P3	0.23520562	-1.0571824	-1.2565497	1.1529016	DGRI\GH146	XM_001994657.1
DM12763P1	0.23520574	-1.0557492	1.085588	-1.1455686		
DM00939P3	0.23522219	-1.0646378	1.1243433	1.0602107	EIF2B4	NM_001127356.1
DM04160P1	0.23526493	1.180031	1.1851088	1.5179319	PHYPADRAFT	XM_001761248.1
DM03906P1	0.2354399	-1.1057975	-1.1390812	-1.1143671	NEMVEDRAFT	XM_001624744.1
DM11646P1	0.23551396	-1.03313	-1.0694075	1.0846428	DMOJ\GI208	XM_002005991.1
DM03053P1	0.23560412	-1.1660389	-1.0300084	1.0457538	DBIB	NM_001097111.1
DM06388P3	0.23563582	-1.1136528	-1.0090015	1.1198543	LOC724531	XM_001119886.1
DM01773P1	0.23568022	-1.0120969	-1.1273121	-1.225379	LOC1000149	XM_001364409.1
DM15257P1	0.23568022	1.0846034	1.1719065	1.1884934		
DM12736P1	0.23571754	1.2538706	1.0633872	1.0260649	LOC1000756	XM_001507076.1
DM13592P1	0.23575547	-1.0993081	-1.877339	-1.2125044		
DM05396P3	0.23588017	-1.1013277	-1.2307454	1.0695976		
DM01482P1	0.23602927	-1.0092318	1.0003527	-1.1807548	DWIL\GK166	XM_002062403.1
DM04704P1	0.23607011	1.1727107	-1.0534872	1.0927086		
DM05167P3	0.23609334	-1.0030963	-1.1424539	-1.3380071		
DM01470P1	0.23611084	1.3223245	-1.174258	1.0294278	NEMVEDRAFT	XM_001634435.1
DM10515P3	0.23611297	1.067049	-1.0443168	1.340685		
DM06386P1	0.23614058	-1.0417839	1.0848209	-1.0046506	BRAFLDRAFT	XM_002586218.1
DM03910P2	0.23623255	1.0315562	-1.0225754	-1.0953368		
DM15288P2	0.23624904	-1.1894934	-1.1324682	-1.1180048		

DM06881P4	0.23633018	-1.1814582	-1.2200739	-1.565602		
DM08300P1	0.23633255	1.1181495	-1.5548161	1.2296867		
DM09816P3	0.23634957	1.0785036	1.1055797	1.2169893		
DM08694P1	0.23635182	1.1288575	1.0179876	1.3717628		
DM02152P1	0.23640196	1.0323362	-1.4995033	1.309621	DYAK\GE224	XM_002095538.1
DM07624P1	0.23640396	-1.0344119	1.1767695	-1.0571604		
DM12380P1	0.23642772	-1.0138837	-1.008608	-1.0758561		
DM02129P1	0.23649314	1.0286909	1.2578799	-1.3611486		
DM10413P2	0.23655257	1.3189226	1.352009	1.1848447		
DM10251P2	0.23655456	1.051219	1.1767229	1.0627441		
DM11096P4	0.23657647	1.0684391	1.2633691	-1.0067544		
DM15227P1	0.2366364	-1.1727937	-1.0695399	1.128174		
DM10512P3	0.23667733	1.0585469	-1.2313347	1.0646514		
DM10601P2	0.23672578	1.0523156	1.0029905	1.12673		
DM10411P3	0.23679139	1.8164264	3.7455924	1.6135619	THAPSDRAFT	XM_002285900.1
DM01934P4	0.23682432	-1.1532662	-1.8378471	1.1352582	DPER\GL2157	XM_002017317.1
DM08825P1	0.23688693	1.3246049	1.1055455	1.0388963		
DM07038P1	0.23691562	-1.1595464	-1.2135513	1.5518699		
DM01504P1	0.23693341	1.023745	1.0630279	1.1398395	ACADS	NM_001142870.1
DM02273P1	0.23696712	1.0711462	1.2681707	1.1212976	DESAT1	XM_002097363.1
DM14570P2	0.23734735	-1.2016398	1.0520253	1.0486559		
DM05924P2	0.2373811	-1.0306399	1.1249208	1.2123619	LOC1001213	XM_001604899.1
DM00095P4	0.23742074	-1.1082078	-1.0797275	-1.1288005	LOC1002046	XM_002158396.1
DM00684P2	0.23747145	-1.0628097	1.1079458	-1.1056576		
DM12266P1	0.23748022	1.0489657	-1.2227533	-1.0156748		
DM04567P3	0.23753545	1.089979	-1.1202497	-1.2076732		
DM00245P1	0.23758051	1.0258745	1.076936	1.1393448	DPH5	NM_001017449.1
DM15000P2	0.23758252	-1.1474541	-1.1870406	-1.147439		
DM08862P2	0.23774564	1.0009338	-1.122392	-1.1144437		
DM05432P1	0.23777114	1.0207664	-1.1453745	-1.1904149		
DM14270P1	0.23778282	-1.2114265	-1.2300938	-1.006616		
DM03028P4	0.23793323	-1.3730886	-1.093644	-1.2642093		
DM10116P2	0.23804134	-1.0104961	1.4295273	-1.1386126		
DM06823P3	0.23806585	1.0092238	1.0624559	-1.0973648		
DM12038P1	0.2380866	-1.1098315	1.0493197	1.0760658		
DM13861P1	0.23815112	1.025365	-1.1878271	-1.5259224		
DM03189P2	0.23831101	-1.2407355	-1.0573083	-1.0074145		
DM02427P3	0.23833026	-1.0825686	1.1856767	1.062808	OAT	XM_001650637.1
DM09532P3	0.23850197	-1.1664478	1.0256371	-1.0854666		
DM04375P1	0.23851569	-1.0333198	-1.0751154	-1.1379399		
DM00106P2	0.23854616	1.0097712	1.2624507	-1.026663	LOC1002070	XM_002165471.1
DM02172P1	0.23855522	1.3351474	1.1388769	1.0835925		
DM13056P2	0.23855737	-1.2281938	-1.3646885	-1.0150883		
DM09534P1	0.23860158	1.1064562	-1.0256833	-1.194307		
DM01755P1	0.2386793	1.0753888	1.3319428	-1.0597094		
DM11037P3	0.23868926	-1.2203732	-1.1877126	-1.6061238		
DM04293P2	0.23885183	1.1163819	1.0861249	1.3496124		
DM06872P1	0.23889923	1.0775023	-1.0375528	-1.1679593		
DM12351P1	0.23894688	-1.1275964	-1.1634125	-1.0064865		
DM00631P1	0.23896757	1.0064819	-1.1382165	-1.1112422	LOC1000251	XM_001376161.1

DM05703P1	0.23900275	1.2581855	1.5680242	1.1052785	LOC1002144	XM_002156582.1
DM14639P2	0.23904954	1.308081	-1.0779592	1.5886207		
DM07149P1	0.23909698	1.1459774	1.3683839	1.0545202		
DM02891P1	0.23915981	-1.0026224	1.0023823	-1.2150292		
DM07512P3	0.23919502	-1.1293398	1.057519	-1.127147		
DM07023P1	0.23922984	1.4196779	-1.0310329	1.8718805		
DM12578P2	0.23928867	-1.0576304	-1.1014503	1.0691715		
DM14112P2	0.23932552	1.0151197	-1.1265831	-1.1259443		
DM11022P1	0.23942427	1.0022719	-1.030606	-1.1376082		
DM03590P3	0.23944461	-1.0579044	-1.1525332	-1.0404469		
DM07951P2	0.23948579	-1.0888547	1.1927756	-1.099085		
DM06554P2	0.23968732	1.2439541	-1.9929919	1.1110675		
DM09468P4	0.23970376	1.0418439	-1.210578	1.048933		
DM07936P1	0.23988582	-1.067455	-2.993595	-1.2747431		
DM09363P2	0.23989101	-1.091246	1.0143044	1.0921816	AAEL_AAEL01	XM_001660636.1
DM05823P2	0.2398976	-1.074387	-1.1297951	-1.2109969	DMOJ\GI227	XM_001999916.1
DM01247P3	0.23993541	-1.0185214	1.0844291	-1.0959549		
DM05092P2	0.2399459	-1.0298177	-1.2639786	-1.1529275	DMOJ\GI155	XM_002009811.1
DM08033P3	0.23996565	1.1149782	-1.2394627	1.0738138		
DM14614P1	0.23998652	-1.0570232	-1.0027738	-1.0903947		
DM08994P3	0.24005865	-1.2635921	-1.3679695	-1.1583315		
DM01717P1	0.24012357	-1.0356957	-1.1697226	-1.1173524	PGK	XM_395047.3
DM08894P2	0.24013078	-1.0756254	1.0157785	-1.1057221	PUS10	NM_144709.2
DM05634P2	0.24015598	1.0011984	-1.0551708	-1.1424859		
DM09688P1	0.24017471	-1.1255647	-1.079563	-1.1975648		
DM00813P4	0.24020104	-1.4017034	-1.2298259	-1.1608683	AUT1	XM_624690.2
DM03727P3	0.2402413	1.047109	-1.1004338	-1.1254239		
DM15270P1	0.24042268	-1.0539937	-1.0674154	-1.3232889		
DM14015P3	0.24042508	1.2864621	-1.1961013	1.22183		
DM13043P2	0.24051201	1.0722724	-1.2231915	1.1881794		
DM01727P2	0.24053165	-1.1068918	-1.1216791	-1.1390927	DANA\GF195	XM_001966066.1
DM03796P2	0.24057032	1.064561	1.3190447	1.2164874	DPSE\GA151	XM_001354337.2
DM03555P2	0.24059997	1.1899501	-1.346755	1.002318	SULT	XM_001651870.1
DM05177P1	0.24067287	1.0761472	1.044479	1.3001828		
DM10593P2	0.24082977	-1.037522	1.1306602	1.1857835		
DM08830P3	0.24095906	1.0507988	1.2151492	1.0614487		
DM09760P3	0.24106646	1.117374	1.3024594	1.2003863		
DM08212P1	0.2410761	1.0886395	1.4326289	1.4350464		
DM14239P1	0.2410921	-1.1369894	1.063814	-1.0712125		
DM00237P2	0.24132974	-1.2809918	-1.6634516	-1.3192804	DWIL\GK170	XM_002061652.1
DM02910P1	0.24152878	1.0731593	-1.1861024	1.225707	DGRI\GH180	XM_001990709.1
DM05188P3	0.24158575	1.1341943	1.003417	1.0898405		
DM06643P3	0.24168673	-1.1555188	-1.1517072	-1.1783879	DSIM\GD251	XM_002082605.1
DM12010P3	0.24171282	-1.0866356	-1.3177629	1.6657418		
DM06489P1	0.24176422	-1.082124	1.0256157	-1.0019252		
DM08889P1	0.2418337	-1.2425119	-1.1231375	1.5493493		
DM10806P1	0.24185877	1.052238	1.1791695	1.6396307		
DM01346P2	0.24187353	-1.2390528	-1.2319633	-1.0330949	LOC1001675	XM_001951971.1
DM02111P2	0.24187735	1.0073003	-1.0125512	-1.1445777	FABP4	NM_001141203.1
DM11961P1	0.2419303	-1.0040219	-1.2051876	-1.1013839		

DM08822P1	0.2419778	-1.0093949	1.166026	-1.0028772		
DM02501P1	0.24199231	-1.1681184	-1.0714101	1.0969884	LOC712955	XM_001111420.1
DM05837P4	0.24201778	-1.0700572	-1.0521224	-1.1680857	MONBRDRAF	XM_001746122.1
DM05908P3	0.24208923	-1.050568	1.0544074	1.0244012	TFIID8	NM_001162578.1
DM02184P2	0.24208999	-1.0545261	-1.0731716	-1.1914135	DDX47	NM_001007853.1
DM00962P4	0.24211726	-1.5968181	-1.4483134	-1.5483364		
DM12597P3	0.24214056	1.0471286	-1.254159	-1.0469285		
DM05667P1	0.24219866	1.088688	-1.0190101	-1.1958339		
DM00205P1	0.24242325	1.0794384	-1.2068212	-1.0397884	DERE\GG126	XM_001982546.1
DM06645P1	0.24246953	1.0006027	1.262203	1.288004	DGRI\GH226	XM_001993992.1
DM12156P1	0.24249631	-1.0091386	1.1469185	-1.0122427		
DM04338P2	0.24251391	-1.0186362	-1.1303573	1.3046162		
DM05299P4	0.24258904	-1.5974077	-1.7944137	-1.4755238		
DM05769P2	0.24266253	-1.1897694	-1.556005	-1.0282446		
DM12761P2	0.24267262	1.1287647	-1.0730982	1.221829		
DM09666P4	0.24279809	1.3033582	1.2324859	-1.2521807		
DM10360P2	0.24282885	1.0448824	1.0993176	-1.0395963		
DM14262P4	0.24294186	1.0942018	1.4206066	2.1380916	LOC1001233	XM_001606948.1
DM01868P1	0.2429577	-1.051442	-1.078154	1.0772513	DYAK\GE194	XM_002090034.1
DM07772P2	0.24299245	-1.1714351	-1.0494468	-1.0349463		
DM11051P4	0.24304047	-1.1177857	-1.1539085	-1.3134307		
DM15155P2	0.24304494	-1.1769505	-1.2163881	-1.1053597		
DM13094P4	0.24304967	-1.0573581	-1.0408602	1.2252611		
DM11223P3	0.24307229	-1.0048504	1.1530342	1.0723501		
DM06332P1	0.2431418	-1.0637308	-1.121423	-1.1416833	DVIR\5.8SRR	XR_049439.1
DM00136P1	0.24317183	1.0245129	-1.1255499	1.1487768	COL4A1	NM_001162399.1
DM02345P1	0.24317758	1.0276755	-1.0413535	1.3243376	LOC662729	XR_043135.1
DM01037P2	0.24329008	-1.0146493	1.0680153	1.1808925	DYAK\GE243	XM_002097690.1
DM09205P3	0.24329852	1.3120586	1.301872	1.0497586		
DM00345P1	0.24344456	1.2532747	1.151375	-1.0097317	BRAFLDRAFT	XM_002594243.1
DM11930P1	0.24347156	1.0244815	1.1419319	1.1090958		
DM00920P3	0.24354027	-1.1341623	1.0985624	-1.0722339		
DM03531P3	0.24360144	1.1957039	1.1570842	1.0998377		
DM03661P3	0.24374084	1.1291976	1.0187222	1.1046188	DVIR\GJ2172	XM_002049645.1
DM14517P2	0.24390465	-1.1189929	-1.1833615	1.0478579		
DM05083P1	0.24398895	1.0633754	1.0574112	-1.0656354		
DM00552P3	0.2440893	-1.0537611	-1.0207808	-1.1600447	TTLL4	XM_422058.2
DM00508P4	0.2441034	-1.000408	1.0528969	-1.1333605	UBE2DNL2	NM_001081661.1
DM10444P2	0.24420173	-1.0009278	-1.013393	1.1431121		
DM02578P2	0.24420315	1.0046585	-1.1187892	-1.190793	NT5C2	NM_001092831.1
DM11427P2	0.24420942	-1.0438268	1.0690814	-1.2242811		
DM03851P1	0.24425405	-1.3620449	-1.0151052	-1.1089554	LOC409062	XM_392587.3
DM10064P3	0.24431293	-1.1086545	1.1104733	-1.1888038		
DM00875P3	0.24431305	1.0799099	-1.2613369	1.0205476	TRIADDRAFT	XM_002113691.1
DM08481P1	0.24455404	1.0866618	1.3677051	1.1528332		
DM05104P3	0.24458909	1.2727417	1.3362384	1.1711246		
DM04306P2	0.2446597	-1.2011896	1.0508152	-1.070234		
DM00829P4	0.24470028	-1.1235029	-1.1167636	-1.0266527	AGAP_AGAP0	XM_314568.3
DM07836P1	0.24476142	1.1130255	1.3305287	1.2820454		
DM00367P1	0.24493757	-1.0034332	1.1177045	-1.1507667	LOC1001681	XM_001951539.1



DM10454P1	0.2450242	1.8327477	3.9489946	1.6162102		
DM13181P1	0.2450894	-1.2058108	-1.0637931	1.07741		
DM11619P3	0.24517955	1.2049387	1.1659418	1.2824489		
DM08599P3	0.24548915	-1.2292655	-1.1024107	-1.844222		
DM11801P2	0.24555984	1.0941539	-1.3550653	1.1156573	LOC1001685	XM_001945613.1
DM08911P1	0.24561845	-1.3132175	-1.2439234	1.0611883	RNU1-5	NR_004424.2
DM00633P1	0.24563274	-1.1002026	-1.2827027	-1.2192771	LOC1001680	XM_001945298.1
DM06835P1	0.2458697	1.0822978	1.022309	1.0433707		
DM06473P3	0.2458853	-1.462435	1.1257179	1.0081123		
DM05555P4	0.24593157	-1.0529894	1.1672552	1.1488581		
DM11713P1	0.24598405	-1.0672208	-1.0475887	1.1106954		
DM07044P2	0.24606091	-1.0330484	1.0675722	-1.1451075		
DM14624P2	0.24610761	-1.0754558	-1.1609609	1.1100589	DVIR\GJ2412	XM_002051945.1
DM07480P2	0.24613379	-1.5909867	-1.7554492	-1.4678955		
DM14836P3	0.24616024	-1.2047966	1.0719504	1.187557	DYAK\GE134	XM_002090949.1
DM12555P4	0.24626373	-1.1861823	1.0781884	-1.0212314		
DM07174P1	0.24628928	-1.0732358	-1.4145321	1.6456004	LOC1001657	NM_001134286.1
DM09961P2	0.24640752	1.0180978	1.1788387	1.0011466		
DM00280P2	0.24678579	-1.3327987	-1.2708114	-1.0839459	LOC1000499	XM_001488031.2
DM13002P1	0.24697006	-1.2336929	-1.0210364	1.0808061		
DM03368P1	0.2471178	-1.1157469	-1.1476191	-1.3326432		
DM12419P1	0.2474929	1.1740422	-1.1388907	1.7583271		
DM02847P1	0.2475245	-1.1352241	1.0535704	1.1042225		
DM05632P3	0.24756984	-1.1787264	-1.1831068	1.1834525		
DM14349P3	0.24759291	-1.1297526	-1.2500516	1.0658157		
DM04990P4	0.24763192	-1.00586	-1.1149061	-1.2628894		
DM06475P2	0.24764113	1.1524594	1.3817421	1.0910339		
DM10635P3	0.24768844	-1.0401467	-1.1835667	1.2179675		
DM06860P2	0.24769415	1.0784423	-1.0090778	-1.0754393		
DM13813P1	0.24774899	1.3239431	1.7895097	-1.0269458		
DM12455P1	0.24780202	1.1439171	1.2140497	1.1053797		
DM13906P3	0.24793483	-1.0757241	1.1365534	1.233013		
DM10795P3	0.24795052	1.1057696	1.0037775	1.5215164		
DM12941P2	0.24803266	-1.1323092	1.1259917	1.2855586		
DM07620P2	0.2480943	1.2186348	1.4016483	1.4784582	CP7	NM_001134294.2
DM14086P1	0.24812533	-1.033564	1.1329024	1.0517876		
DM10218P3	0.24815895	1.1790764	-1.6051377	1.1173471		
DM05761P3	0.24817894	1.7419722	3.0163283	-1.0603417		
DM04559P1	0.24825568	-1.0902883	-1.3289406	-1.513008		
DM15284P2	0.24825671	1.4148448	1.3149952	-1.0107139		
DM02104P3	0.24838075	1.5026834	-1.1846237	-1.3400558	DMOJ\GI182	XM_002004081.1
DM08247P3	0.24841557	-1.2885412	-1.4406707	1.1081655		
DM11401P3	0.24852408	-1.0010331	1.1585287	1.0002311		
DM01965P2	0.24853694	-1.0355347	-1.0474597	-1.1472826	RACG	XM_001647742.1
DM06440P1	0.24856529	1.1925057	1.0952591	1.8204169	UBXN1	NM_001162583.1
DM03547P2	0.24867071	1.0284404	1.1359859	-1.118413		
DM05090P1	0.24867591	1.0440383	-1.0264486	1.112492		
DM09869P1	0.24872689	1.1467557	-1.0303736	-1.1526676		
DM04932P3	0.24880102	1.3205796	1.3146623	1.0596523		
DM12728P2	0.24880427	1.1426845	1.0085074	1.3761619		

DM09979P2	0.24889131	-1.0056069	1.0861398	-1.2362003		
DM08552P4	0.2489876	-1.1063006	-1.1946912	-1.1648076		
DM05271P1	0.2490053	-1.2633353	-1.1417627	-1.3358973		
DM09710P2	0.24904892	1.0071049	1.0177741	1.2767099		
DM04515P2	0.24904917	-1.0041537	1.1581926	1.1180091		
DM11490P3	0.24924736	-1.212529	-1.1541843	-1.1329933		
DM00456P2	0.24939433	1.0540074	-1.1164049	1.1841013	ODC	XM_001855873.1
DM08534P2	0.24943577	-1.1188402	-1.093458	-1.2361101		
DM08555P1	0.24953066	1.0082844	-1.011754	1.1354418		
DM10673P2	0.24965675	-1.0402745	-1.0602896	-1.208913		
DM11186P2	0.24973658	1.0660582	-1.1799105	-1.0864425		
DM15250P2	0.24980468	-1.1187823	-1.0922124	-1.2020963		
DM14420P2	0.2498668	1.09242	1.3458556	1.39655		
DM02714P3	0.24994458	-1.1340619	1.0409197	1.1058772	GOT1	NM_001135449.2
DM03605P3	0.24998571	1.0615757	1.1750432	1.0236179		
DM07569P1	0.25000608	-1.2838905	-1.5404348	-1.0188562		
DM07521P4	0.25002918	1.0726037	-1.0480062	-1.1026627		
DM01822P3	0.25019425	1.0377843	-1.0532916	-1.1214359	STA	NM_166890.2
DM00858P1	0.2502383	1.0401179	-1.1039311	-1.1286443	LOC1001618	XM_001943504.1
DM01751P1	0.25024965	1.0123111	-1.1238805	-1.0699071	ACO2	NM_001092794.1
DM06075P3	0.25025108	-1.0063597	-1.140419	1.0988882		
DM03382P3	0.2504751	1.3919387	1.0863057	1.2481534		
DM04387P3	0.25054613	1.1606276	1.3925273	1.321686		
DM07134P1	0.25055227	1.1962079	1.3532575	1.437177		
DM01242P3	0.2505907	-1.1436923	1.0399853	-1.1596788	LOC1002307	XM_002190164.1
DM04164P1	0.2506581	1.1862319	1.3296132	1.2526453		
DM08770P3	0.25068963	1.0552691	1.1734277	1.0038813		
DM10365P3	0.2507192	-1.100494	-1.0691307	1.6787385		
DM09103P1	0.2507544	1.0904529	-1.3805542	-1.1035938		
DM08008P3	0.25077087	1.2573248	1.2983869	1.3453465		
DM04927P2	0.25081798	1.1211126	1.1301087	-1.0331012	SLC44A5	XM_608611.3
DM07687P2	0.25084522	1.1038169	-1.0622874	-1.3215725		
DM01849P2	0.25109664	1.037837	1.0937487	1.157019	LOC1002124	XM_002160259.1
DM08263P2	0.25112635	1.1182896	1.0888594	1.3102324		
DM09800P2	0.25112754	-1.0412749	-1.8044412	1.0182774		
DM00182P3	0.251233	-1.0635425	1.0785682	-1.0815656	LOC476790	XM_537245.2
DM04891P1	0.25154808	-1.2539915	-1.0834118	-1.1966004		
DM04926P3	0.25164807	1.113217	1.0871651	-1.0380714		
DM03656P2	0.25166368	-1.1238724	-1.1883531	-1.1082338		
DM08877P3	0.25176722	-1.0353363	1.0341176	1.1081351		
DM00981P2	0.25188708	-1.4413494	-1.2706013	-1.896013		
DM03148P2	0.25190586	1.1475314	1.055174	1.1634815		
DM14704P1	0.2522058	-1.027914	-1.0087532	1.1843679		
DM07228P1	0.2522576	-1.2714182	-1.2137507	-1.3796104		
DM07011P4	0.25234133	1.0804117	1.4594158	1.3748406		
DM11380P1	0.25239855	1.2846226	1.4741229	-1.0754446		
DM00339P3	0.25246325	1.0103406	-1.0122907	1.0940555	CPIPJ_CPIJ01	XM_001863085.1
DM00665P3	0.2525305	-1.11443	1.074711	-1.087312	LOC657189	XM_963660.2
DM03380P3	0.2525672	-1.1289238	-1.1182957	1.1104026	DVIR\GJ1445	XM_002058462.1
DM13434P1	0.2525951	-1.200111	1.0025449	-1.1686403		

DM14783P3	0.25260127	-1.047336	-1.0840281	-1.198714	
DM12726P1	0.25260866	1.0537275	-1.1795834	1.0239114	
DM09835P3	0.2526139	1.3137978	2.4190276	1.907154	DERE\GG242 XM_001968870.1
DM12198P2	0.25265563	1.1991677	-1.2119304	-1.3281171	
DM09755P4	0.25266537	-1.0179245	-1.2371247	-1.0116037	
DM01952P1	0.25267246	-1.0799848	-1.0844773	1.2088028	DGRIV\GH226: XM_001995396.1
DM02354P1	0.2526822	1.2798563	1.214937	1.1105772	ATP1A XM_001662168.1
DM04976P2	0.25274673	1.2102773	-1.7868052	1.1117798	DPER\GL162: XM_002027804.1
DM04418P2	0.25282007	-1.0380828	-1.1145617	1.0919544	
DM05246P3	0.25285536	1.4135443	1.1818873	-1.0576034	
DM04006P3	0.25292608	-1.0269036	1.1021007	1.113331	
DM11813P1	0.25294873	1.0284129	1.2430308	-1.0255795	
DM11369P2	0.2530498	2.2344747	-1.8791579	1.6974561	
DM05241P2	0.25318107	1.0741003	-1.1929499	1.0655013	
DM04224P1	0.2531878	-1.2380284	-1.2812642	-1.1725961	
DM02339P1	0.25334617	-1.2333137	-1.2092227	-1.3470354	LOC1000630: XM_001494448.2
DM11513P2	0.25335	-1.1010205	-1.1394643	-1.189733	LOC1001655: XM_001950795.1
DM06154P2	0.253522	1.1547861	2.0973308	-1.2392845	LOC1001232: XM_001606800.1
DM08164P2	0.25354815	-1.0497007	-1.3803847	1.2115377	
DM00794P2	0.25362748	1.1488383	1.1699843	1.0786895	BM1_05545 XM_001892548.1
DM03314P2	0.25384006	-1.2293494	-1.2571201	-1.060233	LOC663582 XM_969622.2
DM02457P3	0.25384378	-1.124686	-1.0153188	1.2166754	LOC408308 XM_391859.3
DM04358P1	0.253895	1.1564116	1.2877116	1.1780248	
DM10587P2	0.25413266	-1.2200145	-1.0009503	-1.1941026	
DM07662P1	0.2542887	-1.3717821	-1.3150635	-1.611243	
DM10978P3	0.25429848	1.0693936	-1.0247142	1.1899067	
DM12422P1	0.25432718	1.1485837	1.0215794	1.0638999	
DM10344P2	0.25446677	1.1598024	-1.4730219	-1.1297287	
DM10849P3	0.25453058	1.207448	-1.1203498	1.2345569	
DM04157P2	0.2546864	-1.2077609	1.008871	-1.0900527	
DM02062P3	0.25471288	-1.1846002	-1.0133762	1.1175507	LOC1001192: XM_001603018.1
DM01977P3	0.25472084	1.0791245	1.0234246	-1.1164552	IPOB3 XM_001859000.1
DM10438P1	0.25480387	-1.0080448	1.1201892	1.1190667	
DM00221P3	0.25501868	-1.0034683	-1.0486268	-1.178243	LOC1001648: XM_001948126.1
DM00741P1	0.25503817	1.1199454	-1.0400574	-1.0660969	CG4288 NM_169898.1
DM08965P1	0.25504917	-1.15297	-1.3014171	-1.2027045	
DM10852P2	0.25520033	1.0399253	-1.047739	-1.1189394	
DM13839P3	0.25520205	1.0881292	-1.3739556	-1.3159865	
DM02591P2	0.2556059	1.0813886	1.1036481	-1.0997767	
DM00177P4	0.2556136	-1.0166506	1.0527658	-1.1102729	ZDHHC8 NM_001044406.1
DM02006P3	0.25570658	-1.1642232	1.0460044	1.0616188	CSTF2 NM_001130235.1
DM06812P2	0.25581378	-1.410172	-1.1055112	-1.2691786	
DM11844P4	0.25582576	-1.0354066	-1.0775276	1.1205481	
DM07696P2	0.25601158	-1.2273834	-1.0914098	1.0627877	
DM08259P2	0.25608137	1.0702051	1.1267524	1.1276511	
DM12471P3	0.2560911	-1.084688	-1.1231754	-1.174044	
DM05925P4	0.25619736	-1.0253168	-1.0741085	1.0625705	
DM03963P2	0.25626227	-1.188863	-1.0221398	-1.136765	
DM07695P3	0.25638297	1.003015	1.2134348	-1.0356318	
DM00476P3	0.25640932	1.0292872	1.0648565	1.0894347	LOC552145 XM_624524.2

DM03125P2	0.25660893	1.1197972	1.2316835	-1.2460814		
DM04740P2	0.25684607	1.5332379	2.0323138	1.1606532		
DM13673P4	0.2568501	-1.1142308	1.0477208	1.3623528		
DM02739P4	0.25701633	-1.0351397	-1.0135782	-1.1711863	LOC1000289	XM_001378821.1
DM11959P2	0.25702766	1.0384325	1.0101647	1.1750172		
DM05693P3	0.25719428	1.0391575	1.0564348	1.2203724		
DM10421P1	0.25724724	1.1228505	1.3117136	-1.124868		
DM07750P1	0.25727072	-1.0911857	1.0909069	-1.0638224		
DM11731P1	0.2572962	1.0289454	-1.0141188	-1.1867332		
DM12392P1	0.25735947	1.1918405	1.1867226	-1.0063478		
DM04119P3	0.25752038	-1.1192064	-1.0136963	1.0213526	AGAP_AGAP0	XM_553074.3
DM00338P1	0.25754574	-1.0000093	1.0278736	1.0871125	LOC751839	NM_001048214.1
DM09596P2	0.25764248	1.0110866	1.0374141	-1.2774423		
DM05602P3	0.25764874	1.0377426	-1.2131145	-1.344718		
DM11728P3	0.25768387	1.0591309	1.1926095	-1.0310527		
DM14259P1	0.25778797	1.19452	1.0111893	1.2374854		
DM08223P1	0.25779882	-1.0942485	-1.2827123	1.071789		
DM14387P3	0.25790602	-1.2192518	-1.6252664	-1.1821172		
DM06571P2	0.25796032	1.409166	-1.8419417	1.1548725		
DM14753P3	0.2580285	-1.1154169	-1.2002321	-1.0397018		
DM07209P4	0.25807586	1.0413247	1.3710743	-1.6861311		
DM01213P1	0.25816524	1.0972472	-1.0149926	-1.0842164	PYGL	NM_022268.1
DM11356P1	0.25818104	-1.068019	-1.0109687	1.0978993		
DM12418P1	0.2582142	-1.4887694	-1.2625325	-1.0710883		
DM04491P4	0.25822747	-1.017731	1.0259883	-1.1078899		
DM00608P2	0.25827044	-1.3248057	1.2383496	1.012345	PHYPADRAFT	XM_001785922.1
DM06210P1	0.25828302	1.0554379	1.162416	1.1799482	ISCW_ISCWC	XM_002413903.1
DM11899P1	0.25828904	1.1402025	1.2062458	-1.040677		
DM03575P1	0.2583814	-1.0427296	-1.0032463	-1.2475728		
DM03263P4	0.2585539	1.0723512	1.303844	-1.0410174		
DM08863P3	0.25857988	1.099635	-2.3163424	-1.368801		
DM05533P2	0.25862932	-1.132343	-1.6831236	1.0999542		
DM05565P2	0.25873628	-1.0922567	1.2075251	1.1666725		
DM08775P1	0.2588132	-1.145027	-1.8523717	-1.1165667		
DM04153P1	0.25887355	-1.0066324	-1.0409917	-1.2015834	YY1-A	NM_001087615.1
DM01833P1	0.25893202	-1.0041822	-1.0281557	1.199921	RPS6	NM_001172390.1
DM14803P2	0.25904322	1.0286301	-1.0464404	1.0908719	LOC662420	XM_968517.2
DM03896P3	0.25909218	-1.0881917	-1.1420051	-1.1102751	TWF1	NM_001094014.1
DM01228P3	0.25911096	-1.0226747	1.1187915	1.0978091	LOC1001775	XM_002131304.1
DM09643P1	0.25917444	1.0984236	1.1789134	1.1373258		
DM13414P2	0.25918892	-1.1477935	1.1211452	1.1463934		
DM00076P4	0.25921026	1.2873428	1.0980188	-1.146569	ASS1	NM_173892.3
DM03416P2	0.25924975	1.1791211	1.0534533	1.031141	LOC1001682	XM_001943348.1
DM01816P1	0.2592696	-1.2601604	-1.402707	1.0038009	THETATRY	NM_078969.4
DM13044P1	0.2592802	-1.0325915	-1.2445086	-1.3211194		
DM00724P2	0.2593299	1.0434487	-1.1378214	-1.1192132	LOC659957	XM_961313.2
DM08058P3	0.2593339	1.0592041	1.062615	-1.2280749		
DM07878P1	0.2593867	1.0661684	1.0851551	-1.0383286		
DM08576P3	0.25947344	-1.2404542	1.1526383	-1.4093397	DANA\GF191	XM_001966737.1
DM01432P2	0.2595156	-1.1097965	1.0674982	-1.0652649	NUDT2	NM_001006917.1

DM11210P1	0.25961316	1.0657599	-1.0232264	1.141611	
DM07516P3	0.2596391	-1.0716184	1.0082464	-1.1381544	
DM09176P4	0.25964287	-1.1459624	-1.1497656	-1.0042553	
DM10938P3	0.25971344	1.1307395	1.281549	-1.0374758	
DM08467P1	0.25973573	-1.112424	-1.1330115	-1.044076	
DM04658P3	0.2598285	-1.2076304	-1.1523104	-1.170543	
DM00481P3	0.25983632	-1.0879692	-1.0718508	-1.004378	DGR1\GH150 XM_001984286.1
DM12012P1	0.2601285	-1.0431885	-1.2920287	-1.2514056	
DM09007P1	0.26018906	1.0615915	-1.1684203	-1.243161	
DM04402P1	0.26021236	1.1326765	1.435273	-1.0905565	
DM15235P1	0.26026002	-1.0427495	-1.4086057	1.0770717	
DM07937P1	0.26029596	-1.1018614	1.0400647	1.0500964	
DM04875P2	0.26052642	-1.1486288	-1.0862808	-1.000713	CYP306A1 NM_001112751.1
DM15195P1	0.26060525	-1.0774875	-1.0550876	-1.0822867	DMOJ\GI207 XM_002005938.1
DM10950P4	0.26063234	-1.0406617	-1.052363	1.2716328	DMOJ\GI128 XM_002007224.1
DM06023P1	0.26066092	-1.0950001	1.0500135	1.1295626	LOC408368 XM_391917.3
DM13530P2	0.26072696	-1.0688686	-1.1935751	1.0411469	
DM07546P2	0.26073763	1.2306186	-1.1478714	1.2524295	
DM09516P1	0.26078764	1.0096262	-1.2455753	1.1516043	
DM09002P2	0.2609252	1.0202099	-1.1200371	-1.0202322	
DM11627P3	0.2609418	1.1056204	1.0445989	-1.2467561	
DM14903P1	0.2609434	1.2018651	-1.0276579	1.1769241	
DM12676P1	0.26096568	-1.0687803	-1.4954445	-1.125302	
DM08571P2	0.26110533	1.1907867	-1.6429228	1.1976262	
DM05029P1	0.26121968	-1.1708794	-1.0908558	1.1205115	
DM05666P1	0.26122952	-1.1079533	-1.0631106	1.1082348	
DM06358P2	0.2612429	1.0065413	1.2366397	1.19085	
DM07785P1	0.26125598	-1.0361128	1.2613541	1.4022936	
DM04710P1	0.26155168	-1.180229	1.0420475	1.202081	
DM00387P1	0.26173052	-1.1613054	-1.2189912	-1.2533814	PGK XM_395047.3
DM04341P3	0.2618314	1.3016156	1.5157533	1.0645739	
DM08730P1	0.2618632	1.2294736	-1.0400231	-1.094003	
DM05580P3	0.26192853	-1.0189779	-1.0946167	-1.2863373	
DM12203P2	0.2619314	1.085362	1.1609033	-1.3015066	LOC1001225 XM_001606108.1
DM03425P2	0.26245183	-1.0209414	1.0337193	-1.2957495	
DM04134P3	0.26245955	1.1925137	1.2678816	-1.0396076	
DM09719P2	0.26253015	-1.1399746	-1.0092431	-1.0255041	
DM07693P1	0.26256418	-1.1216767	1.0735531	1.0327274	
DM09818P1	0.26260322	1.1464859	1.3091367	-1.0843766	
DM08758P1	0.2626306	1.0225213	1.045248	-1.1940153	
DM00115P3	0.26265827	1.0288993	-1.1961048	-1.1257315	
DM01831P2	0.26270407	-1.1612942	-1.1187985	-1.0035564	DPER\GL104 XM_002016578.1
DM15192P1	0.2627384	-1.2600031	-1.198794	-1.1170579	
DM13245P1	0.26276973	-1.2286756	1.03108	1.0797906	
DM03308P2	0.2627918	-1.0038096	1.0193205	-1.1056557	LOC1002206 XM_002198585.1
DM15151P2	0.26298243	1.0541546	1.2773395	1.3510786	
DM14607P3	0.26326144	1.1216311	1.1795565	1.4814425	
DM07724P1	0.26348898	-1.0679163	-1.046733	-1.1483434	
DM06867P1	0.26355517	-1.0268062	-1.085341	1.0366137	
DM06367P1	0.2635893	-1.000653	1.0466499	1.1191108	

DM01393P3	0.26374403	-1.0805808	-1.1023151	1.0299631	AGL	XM_422317.2
DM04014P3	0.26380116	-1.0081408	-1.0641767	-1.1241136		
DM01598P3	0.26388592	1.0776647	-1.1211876	1.0448061	TAGLN	XM_001652274.1
DM11067P1	0.26394185	1.0521603	-1.1839529	1.2031298		
DM02408P1	0.26407224	1.1250272	-1.1475759	1.191612	LOC1001234	XM_001607040.1
DM15333P3	0.26409632	1.006747	1.1596792	1.1552418		
DM09677P1	0.26413363	-1.0208681	1.0820887	-1.0814667		
DM04689P2	0.26416278	-1.1579945	-1.1099073	-1.3038318	ALG10	NM_001076189.1
DM07595P3	0.26426667	1.1148661	1.0419769	-1.0324192		
DM01618P1	0.26426724	-1.0649627	1.2476764	1.0592126	LOC1002673	XM_002264674.1
DM01563P1	0.26431286	-1.0015179	1.0377156	1.0092527	LOC1002043	XR_053877.1
DM02619P1	0.26442596	-1.1485761	-1.113822	-1.0038761	SS1G_04452	XM_001594594.1
DM10531P3	0.2644675	-1.1789346	-1.15991	1.2048396		
DM07248P1	0.26447678	1.0943681	1.0696505	-1.1351656		
DM10810P1	0.26482996	1.2311624	1.136953	-1.2541099	DERE\GG150	XM_001979333.1
DM02041P2	0.26485792	-1.2024782	-1.0856516	1.0466058		
DM06121P2	0.26486284	1.0249051	-1.1233423	-1.2747171	DPH2	NM_001093249.1
DM05497P3	0.26495275	1.1089106	1.00973	-1.124143	DGRI\GH120	XM_001991330.1
DM04776P1	0.2651114	1.2604694	1.6253195	1.1468083		
DM14227P1	0.26514935	-1.4392291	-1.2463009	-1.0512094		
DM07639P2	0.26516217	-1.0554817	1.1899403	-1.231627		
DM10374P2	0.26516545	-1.1828933	-1.0843065	-1.0086535		
DM01509P4	0.26516575	-1.2712165	-1.0159122	1.10773	LOC575681	XM_001189469.1
DM06053P4	0.26523975	-1.1677667	-1.226166	-1.2169762	DWIL\GK155	XM_002065614.1
DM13099P2	0.26530367	-1.0988265	1.0449762	-1.115993		
DM10395P2	0.2653258	-1.0178224	-1.2078133	-1.2941697		
DM13995P3	0.26532677	-1.2324554	-1.0880588	1.0323414		
DM07934P1	0.26533005	1.1106843	1.1662617	1.20903		
DM04207P2	0.26533225	-1.0202643	-1.0819559	-1.0298771	NEMVEDRAFT	XM_001633797.1
DM01983P1	0.2655174	-1.062699	-1.1781994	-1.0963095		
DM06780P1	0.2655795	1.2668874	1.6019518	1.046892		
DM05784P4	0.26569188	-1.1681155	1.09361	-1.0661768	THAPSDRAFT	XM_002285900.1
DM10529P2	0.26570186	-1.1943514	-1.4060626	1.044415		
DM13170P3	0.2657403	-1.179595	-1.1495228	-1.0136007	PAST1	XM_396463.3
DM04080P3	0.2658276	-1.0215012	1.0049784	-1.1457767	LOC1001143	XM_001607540.1
DM13237P1	0.26583225	-1.0052061	1.1047419	1.1791831		
DM06318P3	0.2660066	-1.022685	-1.3967985	-1.2441558		
DM08391P1	0.26604986	-1.159371	-2.221113	-1.076757		
DM00466P2	0.26617584	1.0189222	-1.2087619	-1.5338364	RAPGAP	XM_001648639.1
DM00018P3	0.2662994	1.031313	-1.0220119	-1.0784807	EEF	XM_001649235.1
DM01803P2	0.26631513	-1.2515535	1.0041431	1.0811284	SLC41A2	NM_001103206.1
DM09560P2	0.26640928	1.1451342	1.1976151	1.5994089		
DM02126P4	0.26641613	1.0388523	-1.1435332	-1.019947	LOC657643	XM_964090.2
DM03666P4	0.26648495	1.3091302	1.2850626	1.1135777	MGC68542	NM_001089711.1
DM02074P2	0.2664992	-1.0827307	-1.1085441	1.044181	DSEC\GM220	XM_002040912.1
DM12059P1	0.26650468	-1.4522322	-1.1530907	-1.1091828		
DM14192P1	0.26652223	-1.4704001	-1.2989744	-1.1773229		
DM09552P1	0.2665487	1.3459616	-1.0435559	1.0352907		
DM14708P3	0.26669884	1.0114924	-1.0693927	1.180561		
DM02260P3	0.26672244	-1.15827	-1.1359277	-1.0620079	LOC655258	XM_961787.1

DM05075P3	0.26683533	1.0135776	1.0803794	1.1040853		
DM04646P1	0.26689792	-1.0638654	-1.2292731	-1.1103754	CPIPJ_CPIJ01	XM_001863280.1
DM05599P1	0.26703876	1.3933487	-1.0538892	1.0022697	SLC35E3	NM_001030179.1
DM06484P3	0.26708353	-1.1538973	-1.2184604	1.0101651		
DM11920P3	0.2670978	1.4240608	1.6792641	1.4352472		
DM00003P1	0.267121	1.0942265	-1.2051334	-1.1254741	AGAP_AGAP0	XM_309158.3
DM03895P1	0.2672056	1.1400671	-1.014671	1.2962356		
DM11484P1	0.26724255	-1.0208824	-1.0436964	1.1670457		
DM11279P2	0.26727828	-1.0685261	-1.1614825	-1.0710521		
DM11519P2	0.2673764	-1.0631095	-1.1847509	-1.1345705		
DM01229P3	0.2674194	1.2157052	1.3589206	1.0571381		
DM03865P3	0.26742876	-1.0501814	-1.2184641	1.0320851	DGRI\GH109	XM_001988074.1
DM14521P1	0.2676318	-1.2617068	1.1709824	1.0674988		
DM00531P1	0.26763374	-1.0616063	-1.0679224	1.0539923	DRG2	XM_001662307.1
DM14161P2	0.26769796	1.1162127	1.2330402	1.4284838		
DM09901P1	0.2677091	1.0055426	1.2060641	1.0746875		
DM03286P4	0.26781076	-1.0316057	-1.1057347	-1.1310323		
DM10567P2	0.26781932	-1.1014647	1.049968	1.2114102		
DM09673P1	0.2678504	1.3474308	1.354203	1.1518452		
DM02913P3	0.26797676	1.014455	-1.1069528	-1.1375152	DWIL\GK128	XM_002073993.1
DM15081P3	0.26803017	-1.0637164	1.0349927	1.1486846		
DM00362P1	0.26814914	-1.2319361	-1.1685933	-1.2211517	ZMAT2	NM_001135582.1
DM02471P2	0.26826677	-1.0980765	-1.0263897	-1.0767739	BANF1	NM_205562.1
DM02372P3	0.2683019	1.0825608	1.0487317	1.2446228	UP	NM_001169273.1
DM10888P3	0.268381	1.0214206	1.0549527	-1.1303169		
DM11909P1	0.2683977	-1.2235141	-1.0240742	-1.3182051		
DM10948P4	0.26846495	-1.1273032	-1.257176	1.0777317		
DM11781P1	0.26852217	-1.1688826	-1.2892488	-1.094727		
DM03355P2	0.2685769	-1.0623845	-1.034124	-1.1519028		
DM09641P1	0.26884505	-1.1313572	1.0338978	-1.0535138	LOC413877	XM_397316.3
DM07589P4	0.26884767	-1.005771	1.1157384	-1.0745078		
DM05975P4	0.26900214	-1.0680186	-1.0397495	1.0470371		
DM07500P2	0.26901704	1.3502568	1.1537739	1.275778		
DM07067P4	0.26905295	-1.0077522	-1.864285	1.1605393		
DM07064P3	0.26909244	-1.4189099	1.107227	1.1591263		
DM13911P3	0.26909617	1.0826962	1.1762782	1.4355309		
DM08054P1	0.2691166	-1.0700271	-1.0600575	1.1025263		
DM11779P3	0.2691402	-1.0963544	1.2004395	1.1828127		
DM14289P3	0.26929772	1.2972834	-1.0131882	1.4644885		
DM03999P3	0.2694803	-1.0998216	1.0070813	1.1550581	DPSE\GA188	XM_001358039.2
DM06687P1	0.26967043	1.016762	-1.0311419	-1.6075397	MONBRDRAF	XM_001746877.1
DM04637P3	0.26971358	1.2237387	1.4093496	1.4258127		
DM11252P1	0.26978096	-1.0052024	-1.0289576	1.0880843		
DM07462P3	0.26981997	1.252848	1.1631486	-1.7471584		
DM07461P4	0.2698727	-1.0088015	-1.4036386	1.3927939		
DM11948P1	0.26991227	1.171001	-1.6624663	-1.1512709		
DM07518P2	0.26998162	-1.1204739	1.0070497	-1.1750476		
DM07617P1	0.27025792	1.487632	2.442835	1.0439935		
DM03412P3	0.27031708	1.0425695	-1.0967984	-1.6946791	AAEL_AAEL0C	XM_001658041.1
DM14958P2	0.27048868	-1.142381	-1.1188724	-1.0749499		

DM11424P2	0.27053	1.3009902	1.0943859	1.9352013	
DM02506P2	0.27062485	1.0274017	-1.071449	-1.0686165	DGRI\GH107 XM_001988129.1
DM00664P2	0.2707605	-1.0949554	1.0340744	1.1535801	LOC1001612(XM_001947193.1
DM09884P3	0.27084154	1.0670125	-1.128337	1.0226104	
DM08079P2	0.27086207	1.0133232	-1.0957557	-1.2123417	
DM05989P1	0.27091274	-1.0302718	-1.0787828	-1.101724	
DM10323P1	0.2709426	1.2115563	1.0004078	1.034427	
DM05155P1	0.2710174	1.0450449	1.093734	-1.0580148	
DM01939P1	0.27103686	-1.0570571	1.1565783	1.0972495	
DM08566P2	0.27109393	1.014557	1.5677137	1.2979527	
DM03302P1	0.27115476	1.1858219	1.107829	1.1506292	LOC413024 XM_396475.3
DM00686P1	0.27115977	-1.2558799	-1.1255667	-1.3694347	LOC655614 XM_962174.1
DM06931P2	0.27123114	-1.1227998	1.0262744	-1.0381855	
DM14997P2	0.2717728	1.0279412	1.1503786	1.3888437	
DM12966P3	0.27180037	-1.1187682	1.079359	1.1227247	
DM04249P4	0.2718385	1.0682545	-1.0648274	-1.0169814	
DM06550P3	0.27201527	1.2006108	1.7937678	-1.6856812	
DM02046P1	0.2720306	-1.0953486	1.0938233	-1.1705184	
DM07007P4	0.27214116	1.021284	-2.2958577	-1.311962	
DM07014P1	0.27215648	-1.3152213	-1.6077256	-1.3382732	
DM12028P3	0.27223322	-1.1742998	1.0595002	-1.3688273	
DM01840P1	0.2722554	-1.1798599	-1.1438942	-1.4009252	NEMVEDRAFT XM_001629940.1
DM06809P2	0.27238008	-1.2181605	-1.17316	1.2597018	
DM00748P2	0.27268153	-1.0031023	1.0779867	-1.1652796	DPER\GL2134 XM_002028067.1
DM00878P1	0.27283165	-1.2132832	-1.1051482	-1.0667408	AP3M2 XM_539956.2
DM08751P2	0.27284074	-1.0507833	1.0753981	-1.1284915	
DM11274P1	0.27288777	-1.1306177	-1.1339898	-1.0868578	
DM06671P1	0.27305332	-1.0534359	-1.1623548	1.2140887	
DM03374P2	0.27307132	-1.0020578	-1.1738876	1.000244	LOC1000780 XM_001509146.1
DM14766P1	0.2733359	-1.0940188	1.1625143	1.5214447	
DM10772P1	0.27338412	-1.0966827	1.0264382	-1.2436428	
DM05106P3	0.27340215	1.232144	-1.070022	-1.0068558	
DM14687P3	0.27342856	1.0398469	1.3196926	1.1153041	
DM07559P3	0.2734311	-1.0915565	-1.0335603	1.0884652	
DM00464P1	0.27343723	1.0010499	-1.1353892	1.0372828	PFRX NM_167656.1
DM12501P3	0.27348587	1.4577152	-1.3368601	2.0431786	
DM04923P3	0.27351245	-1.0369147	1.1401223	-1.1172848	
DM06482P3	0.27356207	-1.0368768	1.9627031	1.2143059	
DM12304P2	0.27364305	1.0714511	-1.2610759	-1.1389167	
DM02549P4	0.27376124	-1.0981647	-1.1785518	-1.1336061	LOC1000709 XM_001502048.2
DM02753P2	0.2738641	1.1280458	1.1041071	1.0789177	
DM06197P3	0.27389586	-1.1697189	-1.0036259	1.146565	AGAP_AGAP0 XM_312489.3
DM08903P3	0.2739174	1.1329362	-1.9379083	1.1419867	
DM08131P1	0.27391797	1.7334675	2.4597318	1.0625024	
DM02024P1	0.27391908	-1.4984995	-1.4921881	-1.7010167	
DM04266P1	0.2739202	-1.1575906	1.0462637	-1.0556333	
DM00439P2	0.27400658	-1.0066699	-1.0885432	-1.1498015	CPIPJ_CPIJ01 XM_001863280.1
DM02724P3	0.2741193	-1.0714757	-1.078043	-1.1665258	CPIPJ_CPIJ01 XM_001870928.1
DM05679P1	0.27415347	-1.067384	1.0689263	1.151907	
DM07158P1	0.27426538	1.0069854	1.1103646	1.1374881	



DM04956P2	0.27426666	1.3844457	1.0156839	1.1453973		
DM11879P1	0.27459422	-1.1163522	1.0824252	-1.053459		
DM03838P4	0.2745991	1.1233497	1.303932	-1.0837699	DWIL\GK221	XM_002066036.1
DM00473P2	0.27463725	-1.0306998	-1.1837332	-1.1469984	CPIPJ_CPIJ01	XM_001863280.1
DM05986P2	0.2746576	-1.0287842	1.0101244	1.1214464		
DM10517P3	0.27466768	1.0859551	1.1251527	1.18818		
DM00784P3	0.2747228	-1.0509835	1.1662562	1.1962926	SAP30	XM_624216.2
DM10723P3	0.27477878	-1.0685669	-1.291107	-1.2692791		
DM05470P3	0.27482525	1.2811584	1.5416659	1.2195469		
DM12892P1	0.27494326	1.0550048	-1.1351304	-1.0525522	RECQL5	NM_001105853.1
DM07749P3	0.2749702	1.039665	1.0445629	1.4613992		
DM13573P4	0.274998	1.0805191	1.2399577	1.5157542		
DM04129P2	0.2750161	1.0518026	1.011707	-1.0947446		
DM11825P3	0.27506286	1.1702809	1.4137588	1.1065726		
DM05449P3	0.27512872	1.3567693	-1.1192299	1.6257423		
DM10052P1	0.2751526	1.0750324	1.180587	-1.0546448		
DM11247P3	0.27536276	1.0739783	1.1836153	1.0620034		
DM09543P1	0.27543107	-1.419475	-1.0429232	-1.2565066		
DM00505P3	0.27553087	-1.0406455	-1.0811542	-1.1496753	DMOJ\GI124	XM_002007199.1
DM11460P1	0.27556923	-1.2458286	-1.0182714	-1.061902		
DM03713P1	0.2755926	1.347505	1.4368577	1.8904502	AGAP_AGAP0	XM_316099.4
DM05528P2	0.27564263	-1.0504849	1.2389302	1.1914333		
DM09142P4	0.27564827	-1.2629932	-1.3264605	1.0626278		
DM13903P2	0.27575588	-1.5177474	-1.2577943	-1.3353937		
DM02616P4	0.27576768	-1.0149304	1.0073934	1.1907974		
DM03951P2	0.27599242	1.0905546	1.1278343	-1.0605183		
DM08306P1	0.2761087	-1.0594425	-1.1123617	1.1069739		
DM02937P2	0.2763038	1.0917196	1.0763141	1.1975642		
DM10659P3	0.27644342	1.3775837	-1.7130153	1.8462783		
DM03304P2	0.27662542	1.0789196	1.1089233	1.1087432		
DM14818P1	0.27668154	-1.0295403	-1.1687616	-1.3071944		
DM03502P2	0.27677268	1.0955154	1.0673337	-1.0557345		
DM10670P2	0.27679354	-1.0265751	-1.0930015	1.1495388		
DM14927P2	0.27694818	-1.0541284	-1.1980683	-1.344602		
DM07083P1	0.27699676	1.0116996	-1.0203886	1.7286886		
DM04236P1	0.277045	1.2960114	-1.2415973	1.0017804		
DM04284P3	0.277117	1.1728525	1.0848674	1.070332	AAEL_AAEL0C	XM_001653410.1
DM10383P3	0.27714825	-1.0930312	1.0661665	-1.0501741		
DM07623P1	0.2772053	-1.0942947	-1.039046	-1.1155895		
DM09024P2	0.27721488	-1.1304564	-1.0245655	-1.1761302		
DM05538P2	0.27734712	-1.0397485	1.0024235	-1.0904951	BRAFLDRAFT	XM_002586200.1
DM01940P1	0.27737156	-1.2489257	-1.017926	-1.0049771		
DM10247P2	0.27765977	-1.3348273	1.246795	-1.2359923		
DM11263P3	0.2776848	-1.2001736	-1.2783524	1.0175138		
DM03792P3	0.27771026	-1.2610104	-1.1755749	-1.2454158		
DM12685P1	0.27786446	-1.15621	-1.4731461	-1.1652933		
DM00773P1	0.27791467	-1.0098665	1.0901419	-1.1237868	LOC607910	XM_844766.1
DM12550P2	0.27795288	-1.0938426	-1.0175906	-1.1941502		
DM10241P3	0.2779969	1.1411966	1.0955864	1.4578565		
DM05233P1	0.27810618	1.194593	-1.6470535	-1.0896347		

DM02959P1	0.27813846	1.0011634	1.0929797	1.1582284		
DM04766P2	0.2782193	-1.0496022	1.044936	-1.2636414		
DM00700P1	0.27823475	-1.109117	-1.1471573	-1.129604		
DM14394P2	0.27835077	1.0347747	-1.2275909	1.3092445		
DM01422P1	0.2783903	-1.090568	1.0224311	-1.1661543	DERE\GG240	XM_001969147.1
DM02176P1	0.2784015	-1.0716928	-1.280879	-1.1645039	IDH1	XM_002403225.1
DM10484P1	0.27871576	1.0265752	1.0539497	1.0212198	BRAFLDRAFT	XM_002590712.1
DM06904P2	0.27878296	1.0555084	-1.8490467	-1.0201049		
DM02082P1	0.27882838	1.1247389	1.2784778	1.074906	BGM	NM_079959.2
DM07586P2	0.2788437	1.1555465	-1.0115432	1.1800355		
DM04959P1	0.27891973	-1.0541211	-1.1443615	-1.2213907	LOC1002821	NM_001155103.1
DM12316P2	0.27904618	-1.1512343	-1.0678421	-1.1473387		
DM07124P3	0.27909502	1.9379	1.1332864	2.4955807		
DM03585P3	0.2791545	-1.2037809	1.0648624	-1.0746682	AN11G04870	XM_001394441.1
DM02088P1	0.27925247	-1.0310391	1.6563377	-1.0700179	CPR111	XM_308831.4
DM02011P1	0.27934793	-1.1050241	-1.0046172	1.0721148	RN18S1	NR_003286.2
DM12102P1	0.27937165	-1.0547278	1.0612255	-1.0522019		
DM15183P1	0.27944794	1.003884	1.1867286	1.402784		
DM00819P4	0.2794613	1.0617181	1.0819925	-1.071337	ACO1	XM_785989.1
DM02154P4	0.2796415	-1.141592	-1.0354761	-1.1514499	MED31	XM_415924.2
DM02115P2	0.27965587	-1.1360201	-1.039087	1.1263462	CCT5	NM_204009.1
DM01208P3	0.27968502	1.148874	-1.1589186	1.1675762		
DM05381P2	0.27981856	-1.146674	-1.0564088	-1.1662687		
DM02876P3	0.27985144	-1.0405245	1.2645413	1.26496	LOC662475	XM_968567.1
DM07783P2	0.28008208	-1.0173147	-1.0184594	1.1692115		
DM12574P1	0.2801333	-1.1195712	1.0202899	-1.0375615		
DM11894P4	0.28015938	1.2103013	1.0839195	-1.0044717		
DM05808P1	0.28019267	1.0071707	1.0141546	1.085773	LOC1000168	XM_001366553.1
DM10175P3	0.2802922	1.2274827	1.4188968	1.2962687		
DM15031P1	0.2804898	-1.1418787	1.0119123	1.0146978		
DM03230P3	0.28055522	-1.2210847	1.1448842	-1.0577661	LOC411450	XM_394925.3
DM01132P3	0.28056404	-1.1730719	-1.0702335	-1.0777826	PNO1	NM_001161970.1
DM02901P2	0.28081313	1.2752168	1.797186	1.5697566		
DM14458P2	0.28107747	1.0966705	1.2203897	1.0316861		
DM06287P1	0.28154674	-1.0881634	1.0136683	1.0539483	TOM7	NM_001162395.1
DM01708P3	0.2815989	-1.1451623	1.0026312	1.0534437	DMOJ\GI105	XM_002001045.1
DM05239P3	0.28161433	-1.1331927	1.0839523	-1.0660615		
DM03045P4	0.28165048	1.0148523	1.0194458	1.138896		
DM08864P1	0.28176686	-1.0385437	-1.0730041	-1.1477362		
DM06148P4	0.28182465	1.0085696	-1.0717676	1.1053789	ISCW_ISCWC	XM_002411321.1
DM10405P3	0.2818897	-1.0739051	-1.5017345	1.1734608		
DM13126P3	0.28211606	1.1481868	1.2470754	1.2827383		
DM13153P1	0.28211963	-1.2077831	-1.2046013	-1.5086248		
DM00623P3	0.28217915	-1.0833812	1.0127804	-1.1618805	LOC662524	XM_968615.1
DM07141P1	0.28225788	1.3780006	-1.615575	2.9909105		
DM05195P3	0.2823219	1.0723046	-1.2794251	1.0244595		
DM11129P3	0.2825538	1.0790033	1.0494653	-1.5337125		
DM12204P3	0.28264105	1.0457772	-1.2330722	1.1324208		
DM06433P3	0.2826541	1.173739	1.1603173	1.2303889		
DM06913P1	0.28275272	-1.429355	-1.2849517	-1.4880282		

DM03662P1	0.28275588	1.4377501	1.2087635	-1.1327896	LOC1000890	XM_001518538.1
DM00005P1	0.28281882	1.1600844	-1.4264253	1.2915832	DYAK\GE224	XM_002095540.1
DM06656P1	0.28283718	-1.3466241	-2.063924	-2.2880847		
DM08076P1	0.28284118	1.7880834	1.7739757	2.0203469		
DM05325P1	0.28290844	-1.064435	-1.0541449	1.2778684		
DM08738P3	0.283205	-1.4664043	-1.5074219	-1.5304767		
DM04592P2	0.2833655	-1.076123	1.1063551	-1.0623207		
DM04395P3	0.2833695	1.061001	1.0843394	-1.1009353	LOC1001597	XM_001946887.1
DM02863P4	0.28346157	1.0363095	1.2409247	-1.0904835	CPIPJ_CPIJ01	XM_001857207.1
DM03284P2	0.28353283	-1.0781496	1.0198983	-1.1042057	NIT2	NM_001034126.1
DM01256P2	0.28357878	-1.073733	-1.0784063	-1.2008823	LOC659752	XM_001812847.1
DM10929P4	0.28372622	-1.0803856	-1.1930215	-1.3420866		
DM02210P2	0.28377697	2.2133052	2.9666398	1.1295786	CUTICLE PRO	XM_001659414.1
DM06384P3	0.28381938	-1.1355054	-1.2500347	-1.1402926	DYAK\GE176	XM_002101502.1
DM12948P1	0.28382584	-1.307285	-1.1564405	-1.0247328		
DM02106P1	0.28388938	-1.1626647	-1.1585543	-1.3042753		
DM10400P3	0.2839157	-1.1097358	1.0797974	-1.153848		
DM08633P1	0.28409433	1.0279655	-1.141301	-1.2640731		
DM05956P1	0.28423262	1.4258226	1.3803751	1.4801213	LOC664385	XM_970392.1
DM14219P1	0.28434923	-1.5209765	-1.3415983	-1.0730281		
DM13904P1	0.28435686	-1.5398192	-1.452982	-1.0655454		
DM01929P2	0.28444627	1.0428509	1.1876427	-1.0122322		
DM14025P4	0.28448516	-1.1957074	-1.0184919	-1.0864193		
DM01692P1	0.2845197	-1.1020298	-1.175996	-1.142078	OPLAH	NM_017570.3
DM14236P4	0.2845197	-1.2597353	1.1487097	1.1014485		
DM08721P1	0.28459895	-1.0157996	-1.0252539	-1.154109		
DM05251P3	0.2846234	-1.2186139	-1.2827684	-1.4862213		
DM07030P2	0.28465036	1.1863657	1.1278355	1.029756	LOC726700	XM_001122423.1
DM00265P4	0.28465512	-1.009948	-1.0732492	-1.1563864	DGRI\GH110	XM_001988266.1
DM13071P1	0.28475454	-1.0476341	-1.0320038	1.193424		
DM10460P3	0.28490362	-1.1052504	-1.625305	1.1464458		
DM14475P1	0.2849114	-1.328339	-1.1843227	-1.0771841		
DM00504P3	0.2850057	-1.0058135	-1.1454725	-1.1541609	POR	NM_001085484.1
DM01654P4	0.28501204	-1.0540586	1.0853877	-1.0140568	ACYPI004223	NM_001162090.1
DM06715P2	0.28513205	1.1052126	-1.0546978	-1.0735213		
DM01352P4	0.2852202	-1.6897045	-1.3713527	-1.257176		
DM01649P3	0.2852811	1.1438128	1.199825	1.2353067	ECR	NM_001159355.1
DM12243P2	0.28540146	1.0264981	-1.7200061	1.1365592		
DM05288P2	0.28545693	-1.1617706	-1.0454789	1.2285109		
DM03221P2	0.28549996	-1.0092709	-1.0585498	-1.0555664		
DM14568P1	0.2855232	-1.1269964	-1.2120843	-1.0311882		
DM02390P3	0.28571674	1.209819	1.6642536	1.1163534		
DM08914P2	0.28577095	1.1441312	1.1285101	-1.1847848		
DM14866P1	0.28578928	1.0723612	-1.135329	-1.2576749		
DM07056P3	0.28582585	-1.2057401	1.0117135	-1.3487796		
DM14413P2	0.28588194	1.062049	1.0169038	-1.1141064		
DM02746P3	0.28600192	1.2236463	1.5691026	1.9190304		
DM07498P1	0.28606918	-1.0737823	-1.2717146	-1.2280388		
DM11141P1	0.28611243	-1.0053449	1.2955962	1.046594		
DM04882P1	0.2862526	-1.0608714	1.5448405	1.3139006		

DM06714P3	0.28631714	1.0819141	-1.055814	1.2681925		
DM10864P1	0.28647274	1.0396379	1.0814413	-1.075953		
DM03935P1	0.2864878	-1.076824	-1.0600314	-1.1163507		
DM06593P2	0.2864966	-1.0432209	-1.0294994	1.2019247	LOC656985	XM_963478.1
DM08672P1	0.2865399	-1.0615863	-1.0299214	-1.1829557		
DM06815P2	0.2865502	1.436346	2.2796884	1.0122366		
DM08796P3	0.28666314	-1.7418319	-1.7917601	1.2491518		
DM06824P3	0.28671515	-1.146818	-1.0904785	-1.1205707		
DM06310P1	0.2867563	1.1299982	-1.1517845	-1.2261956		
DM00417P1	0.28681064	-1.0337026	-1.0188285	-1.1465732	LOC692971	NM_001046810.1
DM06737P3	0.2868277	1.7521821	2.1660655	1.3230969		
DM00685P2	0.2868741	-1.0289342	-1.1694751	1.11652		
DM08587P2	0.28697369	1.0164422	1.0692148	-1.1468678		
DM00470P2	0.28700978	1.2869266	-1.0628345	1.0331722	DGRIV\GH235\	XM_001994208.1
DM03009P1	0.28706792	1.125262	-1.9505885	-1.1051962	DPSE\GA216\	XM_001358387.2
DM01126P1	0.2871037	1.1829768	1.1453494	1.1738775	GHITM	NM_001031217.1
DM05763P1	0.287133	1.1869558	-1.4013567	-1.0406635		
DM01987P1	0.28737992	-1.2571924	-1.1232555	-1.0431358	AAEL_AAELOC	XM_001658256.1
DM02637P1	0.2874239	-1.0953785	-1.0409971	-1.1088296	AAEL_AAELOC	XM_001654119.1
DM01519P2	0.287521	1.1537468	-1.0796052	-1.1996545	DGRIV\GH105\	XM_001988471.1
DM11336P1	0.2875339	-1.352218	-1.3686854	-1.4850006		
DM03699P3	0.28760013	1.1537592	1.1172233	-1.2351699	DPP	XM_001547900.1
DM03071P2	0.28763688	-1.0053862	-1.0192491	-1.136393	LOC409841	XM_393332.3
DM09032P2	0.28787175	-1.158843	-1.0037571	-1.0187268		
DM09169P2	0.28804687	1.2225236	1.382657	1.3273442		
DM09149P2	0.2881008	-1.2025506	-1.4452841	1.1148378		
DM07905P1	0.28817874	-1.1092256	-1.0546412	1.1177511		
DM09639P1	0.28843156	-1.1533586	-1.021947	1.012891		
DM01044P1	0.2885276	-1.0783966	1.07214	-1.1245054	LOC1000263\	XM_001376959.1
DM10385P1	0.2885391	1.3922578	-1.2443978	-1.1590027		
DM08150P1	0.28854465	-1.3667377	1.0472479	1.2916584		
DM08485P1	0.28856838	-1.0719789	-1.0177356	1.038592		
DM10161P1	0.28862804	1.1881665	1.1732032	1.255733		
DM13837P2	0.28874817	-1.1517625	-1.2316442	1.0347675		
DM15352P3	0.28883323	1.067459	1.2094916	1.1637461		
DM05621P1	0.28888524	-1.0492759	-2.116187	-1.1013892		
DM01628P1	0.2890553	-1.1040664	-1.1167293	-1.0919731	DPER\GL184\	XM_002027549.1
DM08271P1	0.28908604	-1.0243063	-1.1213584	1.2193846		
DM09592P2	0.28914216	1.0761622	1.0154053	-1.2204297		
DM08346P2	0.28922236	1.0576614	1.2020824	1.1062888		
DM08978P1	0.28931117	-1.1234092	1.0291543	1.1503699		
DM01533P1	0.28942683	-1.017067	1.0352979	-1.1192731		
DM10491P3	0.28945005	-1.0816414	-1.163238	1.0878112		
DM14194P3	0.28953496	1.0043776	-1.2946054	-1.2453365		
DM07427P3	0.28955188	-1.0075873	1.2970829	-1.1710321		
DM02122P3	0.2895754	1.1463145	1.0154253	-1.0571986	LOC664577	XM_970573.1
DM12497P1	0.2897275	1.0088646	-1.1285604	-1.1682498		
DM09734P1	0.28983247	-1.4051851	-1.1164502	-1.6356292		
DM07440P1	0.28983614	1.1509596	-1.1441431	1.2133262		
DM01078P3	0.289869	-1.0405208	-1.2871889	-1.3655882	LOC408441	XM_391988.3

DM09611P3	0.28987733	1.025147	1.2506565	1.1676637		
DM05069P1	0.2899105	-1.1090245	1.0023488	-1.1713704	LOC1000775	XM_001514725.1
DM04307P1	0.29005235	1.150531	1.1818526	1.2166443		
DM15231P1	0.29011533	1.2054592	1.2390608	-1.2726681		
DM14600P1	0.29016912	-1.2032024	-1.1024307	-1.0151021		
DM02340P4	0.29024646	-1.0677494	1.2315656	1.462146	LOC576591	XR_026519.1
DM06882P2	0.29029045	1.1579049	1.122089	1.0847452		
DM04458P2	0.29035318	-1.22837	-1.1528623	1.0188406		
DM01555P3	0.29037294	-1.5688502	-1.4067019	-1.3562986		
DM05046P1	0.29044312	1.0853244	-1.8318049	1.0833695		
DM10033P4	0.2904541	-1.0042096	1.1481135	-1.0573313		
DM03671P2	0.29046053	-1.0816106	1.0677022	1.0898128		
DM09366P3	0.29047883	1.0028372	-1.0152042	-1.1889105		
DM10035P1	0.29065046	1.0861163	1.1627918	1.1135011		
DM07346P1	0.2907791	1.0466857	-1.850595	1.3550193		
DM00385P2	0.29083902	-1.1393526	-1.2038349	-1.2099339	DERE\GG141	XM_001971887.1
DM12742P1	0.29103673	1.0750849	-1.0632907	1.2160572		
DM00767P1	0.29105592	-1.149426	-1.1171256	-1.1609176	DPSE\GA188	XM_001356369.2
DM06304P2	0.29115012	-1.116043	-1.1830064	1.0818613		
DM08201P2	0.29119423	-1.0713662	1.0356206	1.1085209		
DM15301P1	0.2912992	-1.2181875	-1.1634684	-1.2170193		
DM02091P1	0.29132733	1.03334	1.0288367	1.0848179	LOC727141	XM_001122854.1
DM02903P1	0.29156712	-1.130539	-1.0528226	1.2502776	LOC692952	NM_001046792.1
DM01756P2	0.2916148	-1.1665763	-1.1471928	1.0602652	GM9811	NM_025974.2
DM12890P4	0.29195207	1.0766865	1.1296653	-1.204689	LOC1001779	XM_002131270.1
DM09475P3	0.29198337	1.0769509	1.045345	1.1951336		
DM12025P2	0.29215404	-1.2461295	-1.8349806	-1.2636048		
DM07280P1	0.2921946	-1.3009658	-1.2739799	-1.2841587		
DM11755P3	0.2922021	1.0330716	-1.0201973	1.0256821		
DM08233P1	0.29225382	-1.1163199	1.0098305	-1.2684584		
DM06588P1	0.29234347	1.0784442	1.5302327	1.0811952		
DM04365P3	0.29242077	1.0351849	1.131497	1.0051862		
DM12696P1	0.29244623	1.1040785	-1.2442347	1.1359617		
DM02143P2	0.2925409	-1.0971352	-1.1147934	-1.1234072	DYAK\GE156	XM_002101453.1
DM02163P3	0.29263857	1.1010044	1.0489566	-1.1353376		
DM03697P3	0.29266372	1.3281724	1.620159	1.2960979	DGRI\GH171	XM_001985632.1
DM05851P3	0.29266462	1.111469	-1.0209498	-1.1194333	AGAP_AGAP0	XM_308279.4
DM12196P2	0.29270154	-1.1068054	-1.1108623	1.0234803		
DM14312P1	0.29277098	1.0220381	1.1130415	-1.108484		
DM06049P2	0.29281455	1.3466564	1.1182113	1.0736737		
DM13381P2	0.29282457	1.2377785	1.0855011	1.2222047		
DM03165P1	0.29282722	-1.0163068	-1.2194456	1.101465	SPZ6	XM_001944011.1
DM01638P2	0.29287666	1.0221947	-1.1019949	-1.152462	DWIL\GK184	XM_002074300.1
DM10506P2	0.29288107	1.300765	-2.1937666	1.1290733		
DM07848P1	0.29294232	-1.2321954	-1.6541195	-1.2088228		
DM00429P1	0.29309648	1.0087674	-1.000533	1.0197744	SLC41A2	NM_001103206.1
DM11034P2	0.2932812	-1.0480676	-1.0785433	1.0699825		
DM01131P1	0.29331538	-1.161816	-1.1760527	-1.1090158		
DM03525P3	0.2936857	-1.0324138	-1.1355013	-1.0207086	NPR	XM_001650662.1
DM11132P3	0.29369265	-1.3472996	1.0950054	-1.0130355		

DM05433P2	0.29371342	-1.1078632	-1.1324924	-1.1525644		
DM13988P3	0.29375458	-1.3876611	-1.5868852	-1.2157165		
DM00957P1	0.29378822	-1.0122623	-1.0030816	-1.1037171	LOC1001869:	XR_052904.1
DM08199P1	0.29383868	1.1473542	1.2533408	1.1192297		
DM05786P1	0.29385063	1.118588	-1.3967294	1.0431608		
DM06478P2	0.29390347	1.0282255	-1.0600172	1.1234767		
DM08143P1	0.2940862	1.0022539	1.0560627	1.1051347		
DM02256P3	0.29413405	1.0124364	-1.0830697	1.0819973	LOC552638	XM_625013.2
DM10087P3	0.2941522	-1.124258	1.2511942	-1.387424		
DM12136P1	0.29436725	-1.1034179	1.0212752	-1.1147753		
DM04958P3	0.29438323	-1.335557	-1.0308645	1.0915511	LOC1000280	XM_001378156.1
DM09968P3	0.2944546	1.0697204	-1.0301869	-1.3001245		
DM09795P1	0.29449287	1.0837126	1.2251036	1.0725532		
DM07835P1	0.29449746	1.4152561	1.1657434	-1.0826118		
DM00808P3	0.29458925	1.1230819	1.1639138	1.1566542	GHITM	NM_001031217.1
DM09043P1	0.2946373	-1.0673862	1.1191115	-1.0586288		
DM06635P1	0.29468268	1.0300816	-1.011039	-1.1559138		
DM06392P3	0.29477525	1.1434742	-1.0024825	1.2632785		
DM11864P3	0.29478133	-1.0428705	1.1109737	1.070105		
DM00420P3	0.29485056	1.0098836	1.1380591	1.1374207	DANA\GF223	XM_001965517.1
DM07625P1	0.2948566	-1.0204245	1.1467199	-1.032704	DGRI\GH248	XM_001992545.1
DM03487P3	0.29496774	-1.0156224	-1.2892467	1.5603484	CYP4F8	NM_007253.3
DM01978P1	0.29503447	-1.0189488	1.0684853	1.1011344	PSMC1	NM_008947.3
DM11217P1	0.29512462	-1.0107714	-1.0940628	-1.2838775		
DM09662P3	0.2951615	1.323983	1.2346524	1.3859721		
DM01490P3	0.2951662	1.0470092	1.1358438	-1.1205624	GM14147	NM_001097977.1
DM00600P3	0.29527786	1.4647028	1.7656444	1.4500843	CYP	XM_001655916.1
DM03437P1	0.29529133	1.1177949	-1.1119862	1.2783134		
DM02598P1	0.29552597	1.0926975	-1.0536888	1.0709133	DMOJ\GI127	XM_002007107.1
DM06316P3	0.295582	-1.0024751	1.273091	1.3334963	FG02099.1	XM_382275.1
DM03918P3	0.2955974	-1.107005	-1.0636849	-1.0750486		
DM04838P2	0.29570815	-1.1142589	-1.1651132	-1.04737	VHA16	NM_001162059.1
DM08945P3	0.29571408	-1.1870261	-1.2789848	1.1609062		
DM09757P1	0.29575485	1.2909337	1.3414365	1.1216189		
DM01620P3	0.2957621	-1.3409771	-1.045071	-1.0483099		
DM03076P3	0.2958152	1.0188452	1.1003677	1.1078622		
DM02376P2	0.295965	-1.1413677	-1.3362907	-1.1807841		
DM01383P1	0.29600593	1.1645887	-1.0947179	-1.0665885		
DM10684P3	0.29603797	1.050997	1.0134611	-1.0813115		
DM01503P3	0.2961067	-1.0087223	1.0815064	-1.2421588	FARSB	XM_858952.1
DM01861P1	0.29613608	1.0120392	1.0612148	1.0547949	DVIR\GJ1569	XM_002058022.1
DM04461P1	0.29617095	-1.0456867	-1.1366352	1.1180116		
DM13727P4	0.2961962	1.1703916	1.7721763	-1.2556484		
DM05615P4	0.2961996	-1.3580228	1.2771909	-1.1212393		
DM06583P1	0.2963194	-1.2689521	-1.034048	-1.0399936		
DM05554P2	0.29642424	-1.0209042	-1.0203581	-1.2709484		
DM00571P1	0.29643032	-1.0337609	1.0577246	1.06118	DANA\GF144	XM_001962384.1
DM02636P2	0.29654738	1.0098344	1.0518761	1.0377356	RN28S1	NR_003287.2
DM09135P4	0.29656535	-1.0260577	-1.5701454	-1.0201223		
DM05495P2	0.29660058	1.0951053	-1.1079775	1.0902401		

DM11469P1	0.29666477	-1.0297626	-1.0311893	1.075588	
DM01675P1	0.29670638	-1.0194572	1.0236403	1.016273	TRIADDRAFT_XM_002108542.1
DM08184P1	0.29672897	1.0010185	-1.2194875	1.057438	
DM00950P3	0.29682752	-1.0150002	-1.2263124	-1.1949753	DMOJ\GI139\XM_002009184.1
DM01184P3	0.29688832	-1.0468943	1.0154519	-1.1211762	C9ORF64 NM_032307.3
DM06606P1	0.29690245	1.0506961	-1.3935499	1.1725272	
DM04543P1	0.29702172	-1.1263398	1.0771718	1.113164	COPS3 NM_199685.1
DM05056P1	0.2970335	1.0348383	1.0870863	-1.1264712	
DM12893P3	0.29709566	-1.0511142	-1.2495108	1.1672053	
DM14489P1	0.2971022	-1.3736554	-1.2216362	1.1825795	
DM13719P1	0.29714563	1.2129238	1.4723855	1.3883595	
DM14767P2	0.29731306	-1.0027093	1.2054946	1.1134076	
DM02962P3	0.29741594	-1.1796123	1.1491457	1.3757657	LOC1002248(XM_002190562.1
DM09555P1	0.29747534	1.0663766	1.2246077	-1.0774704	
DM14618P1	0.29748756	1.0203401	-1.0710751	-1.172169	
DM02441P3	0.297498	-1.1773223	-1.0962707	-1.0833274	ISCW_ISCWC XM_002402537.1
DM04522P1	0.29757276	-1.036754	-1.3265132	1.0831207	
DM00358P2	0.29762593	1.1624973	1.0394052	1.2512922	AGO XM_396532.3
DM07028P2	0.2977089	-3.6915598	-1.1146554	-1.1337243	
DM06982P2	0.29774466	1.0554231	-2.573185	1.3150138	
DM04784P1	0.29782858	1.3675623	1.1981249	1.3494741	
DM08595P3	0.29787388	-1.0884814	1.2744823	3.5887778	
DM01795P1	0.29788923	1.1801522	-1.0495819	1.6743984	
DM13419P1	0.297931	1.0402565	-1.2242029	-1.0548238	
DM05202P3	0.29793665	1.0680153	-1.0912284	-1.0826852	
DM14875P2	0.2979645	-1.1125648	-1.1131781	1.132389	LOC1001207 XM_001604325.1
DM03648P4	0.2980634	-1.0298653	1.1074344	1.1145844	
DM00122P1	0.29819614	-1.1056967	1.0363867	-1.027987	
DM02728P2	0.29839936	1.0061203	-1.0835925	-1.165402	KPNA3 XM_001156632.1
DM14757P3	0.2984737	1.2164897	1.1805896	1.1338638	
DM02292P2	0.2985267	-1.0873239	-1.1871096	-1.0644099	LOC1000303(XM_001379856.1
DM10212P1	0.29855597	-1.1542138	1.0414186	1.159454	
DM00538P3	0.2986281	-1.0325234	-1.0977894	-1.4033421	LOC1002262:XM_002195375.1
DM08195P1	0.29870096	1.0376265	1.1012939	1.5148324	
DM02356P3	0.29872084	-1.143765	-1.0815393	-1.2357892	
DM12479P1	0.2987906	1.4952304	1.2376022	1.1491418	
DM02071P1	0.2989149	1.4479408	1.5079658	-1.1893843	LOC1001655:XM_001950795.1
DM08269P1	0.29892522	1.0169588	1.0740596	-1.1094904	
DM08871P3	0.2989381	-1.2126064	-1.1264195	-1.1451659	
DM11839P2	0.2991523	1.020116	-1.0052733	-1.0623426	
DM11523P3	0.29918373	-1.2241781	-1.040069	-1.7290784	
DM02655P2	0.2992033	-1.2276618	1.166297	1.0739533	LOC711989 XM_001109809.1
DM10097P1	0.2992211	-1.097774	-1.2055664	-1.2177824	
DM12371P2	0.29931983	1.0472682	-1.2085627	-1.1338431	
DM13211P1	0.29937443	-1.1860211	1.0000268	1.0330315	
DM13957P2	0.29953292	-1.2104031	1.1047931	1.1226329	
DM07203P1	0.2995648	1.0597624	1.1669214	1.0286986	ISCW_ISCWC XM_002401778.1
DM02103P3	0.29962048	-1.1903195	-1.2693262	-1.1338308	DMOJ\GI239\XM_001998401.1
DM13352P4	0.29966137	1.2462144	-1.2994932	1.462816	
DM02718P2	0.29970312	1.0808016	1.0230259	1.0796381	COL2A1 NM_203889.1

DM03741P3	0.29971316	-1.0209283	1.0423782	-1.1567103	LOC1000897	XM_001519025.1
DM09802P2	0.29981172	-1.0228357	1.2435316	1.0808698		
DM01835P2	0.29993185	1.1394842	1.0960425	1.2328396	DVIR\GJ1752	XM_002052351.1
DM11027P2	0.29996827	1.0768331	-1.1444468	1.1463394		
DM14229P1	0.3000138	-1.1160715	-1.0273818	1.1316833		
DM07728P1	0.30002114	1.0960722	1.4716021	-1.0192287		
DM06137P1	0.30007392	1.0492867	-1.0256841	-1.1572723	DPER\GL2109	XM_002023148.1
DM02868P1	0.3000814	1.0328501	1.186808	1.1481643		
DM12902P2	0.30010659	1.029684	-1.0047141	1.0399171		
DM02777P1	0.3001847	1.0000099	-1.1024438	-1.0711387	LOC677611	NM_007788.3
DM13016P1	0.3002817	1.3992941	-1.05672	-1.2126312		
DM11066P1	0.30034047	-1.036627	1.0178944	-1.160547		
DM00671P1	0.30038053	-1.1105856	-1.1910288	-1.0237848	IDH1	XM_001365455.1
DM01707P1	0.3004335	1.0162823	-1.127958	-1.1994311	ACAA2	NM_213052.1
DM06568P3	0.30067387	-1.1646706	-1.1150718	1.0658617		
DM06334P1	0.3008569	-1.0130081	1.2799246	1.3789841		
DM10186P2	0.3009608	1.172154	-1.0096768	-1.1592968		
DM08121P2	0.3009692	-1.0213876	1.0655195	-1.0866783		
DM11318P1	0.30102885	-1.1707443	1.0712148	-1.1239372		
DM07288P2	0.30107152	-1.0574555	1.0174861	1.2234097		
DM05181P3	0.3010983	-1.0544472	1.0766342	-1.0487809		
DM08159P3	0.30117282	1.2549938	2.3843024	1.3112437		
DM09181P1	0.30127668	-1.1624302	-1.0898536	-1.1401954		
DM03900P3	0.3012872	1.016025	1.0665755	-1.1949548		
DM13867P3	0.30129004	-1.1795459	-1.0991883	1.2210591	DSEC\GM138	XM_002035500.1
DM05976P1	0.30135456	1.350127	1.3290542	-1.1069462	GPX3	NM_001163232.1
DM12470P1	0.30143034	1.1958268	1.1775339	1.3987975		
DM14509P3	0.30147576	-1.1048182	-1.1113337	1.0497036		
DM05830P2	0.301614	-1.0136135	-1.1392794	-1.1257259	LOC1000290	XM_001378882.1
DM13659P1	0.30176702	-1.0834324	1.0578262	-1.1537318		
DM08882P1	0.30195203	1.1061556	1.1991688	1.0422078		
DM09153P2	0.30202267	-1.0645257	1.0908577	1.1816441		
DM04793P1	0.30217373	-1.3699821	-1.3605801	-1.5032932		
DM00838P3	0.30221805	1.704361	1.6390725	1.3020318	BRAFLDRAFT	XM_002611791.1
DM15055P1	0.30241033	-1.1048846	-1.0037668	1.1915634	LOC657776	XM_970882.2
DM00120P2	0.3025171	-1.5835352	-1.5340145	-1.4741447		
DM13472P2	0.3025652	1.2027494	1.281985	1.121385		
DM12217P1	0.30261028	-1.1393265	-1.196042	-1.0466089		
DM12469P1	0.302613	-1.0813259	1.0411547	1.0709459		
DM15298P3	0.3027163	1.212161	-1.0276854	1.1079115	DSEC\GM235	XM_002032388.1
DM10799P4	0.30272642	-1.0080118	-1.0463011	-1.1171525		
DM13811P1	0.3028441	-1.095031	1.0970234	1.0840124		
DM08034P3	0.30285558	-1.514439	1.0727302	-1.9436356		
DM05796P3	0.3029528	1.0116899	1.1477534	1.0004332		
DM10263P4	0.30301633	-1.1103221	-1.2584745	1.1685982		
DM12221P3	0.30306405	1.0252763	1.0241569	-1.1088082		
DM07935P3	0.3030701	-1.0794877	1.0239019	-1.1236656		
DM06120P1	0.30308655	-1.1458387	-1.1084068	-1.1749048		
DM01855P2	0.30311266	-1.0313745	-1.1228312	-1.2137697	COPA	XM_536131.2
DM08539P1	0.30312854	-1.1607248	1.1044906	-1.2242477		



DM00626P4	0.30313653	-1.1463038	-1.1457164	-1.2313652	ACYPI001769	NM_001162618.1
DM07875P4	0.30319452	-1.0912101	-1.1363691	-1.1126341		
DM07871P1	0.30339333	1.1722102	1.2572854	1.3318858		
DM01284P1	0.30343458	1.0054338	1.0568461	-1.1071333		
DM07712P2	0.30354282	-1.1809772	1.1259112	1.1017414		
DM03937P4	0.3035868	-1.055878	1.1270268	1.3458394		
DM07469P1	0.3036343	-1.1071001	-1.2058529	1.0682322		
DM02684P1	0.3037412	1.1584188	-1.0137194	1.0041972	BRAFLDRAFT	XM_002599296.1
DM08915P1	0.30399427	-1.1442848	-1.1122651	-1.293822		
DM15170P4	0.30417335	1.2075548	1.1305164	-1.0938658		
DM09507P2	0.30419105	-1.1182952	-1.1982703	-1.1533009		
DM05113P3	0.30430523	-1.1231637	-1.1714087	-1.3672893		
DM12356P2	0.30433506	1.0066719	1.0138324	-1.2179306		
DM14265P1	0.30442065	-1.1087544	-1.1237527	1.0713323		
DM10474P2	0.30450732	-1.0462458	-1.4137135	1.0574597		
DM00372P1	0.3046284	1.0634379	-1.0366449	-1.0523626	LOC1001684	XR_045754.1
DM10499P3	0.30467355	-1.0215431	-1.0753073	1.0987463		
DM11140P4	0.30476317	1.0759805	1.0370356	1.3256806		
DM15303P3	0.30486128	-1.0179337	-1.2178271	-1.679028		
DM03261P1	0.30501598	1.0352559	1.033339	-1.0947928	LOC552533	XM_624909.2
DM05935P3	0.30503705	-1.3079869	-1.1635034	1.1407757	DERE\GG153	XM_001972049.1
DM02673P2	0.30510867	-1.1131423	-1.176279	-1.1828988	PK	XM_001662663.1
DM04805P4	0.30524573	-1.0365801	-1.0081547	-1.2016815		
DM13926P3	0.30538175	-1.0143745	-1.345793	-1.0492681		
DM10259P1	0.3055593	-1.0185927	-1.0878265	-1.1483669		
DM00271P2	0.30560914	1.0799943	1.1185467	-1.0381305	LOC1000119	XM_001363635.1
DM03236P1	0.3056313	-1.0872967	-1.030387	-1.201777	LOC1001764	XM_002130932.1
DM13857P4	0.30565593	-1.0101645	1.0015073	1.1834375		
DM05715P4	0.305705	1.0843083	-1.1422075	-1.0119658		
DM00592P3	0.30574375	-1.0895951	1.0908313	1.199841	DPSE\GA270	XM_002137070.1
DM10610P1	0.30579102	-1.2907726	-1.665047	1.2143968		
DM05049P1	0.305805	-1.3491956	1.1201389	-1.2649393		
DM03569P2	0.30581033	1.3430977	1.2519838	1.2867999	SULF2	XM_001503514.2
DM09197P1	0.3058307	-1.0431553	1.0648128	-1.1353283		
DM11796P3	0.30586565	-1.0229319	1.0865762	1.4145237		
DM01280P3	0.3059721	-1.0407102	-1.0326184	-1.2175169		
DM11394P1	0.30615962	1.0185001	-2.1090024	-1.1332451		
DM09271P2	0.3061599	-1.0443581	-1.1872553	1.4030691		
DM07641P2	0.3062649	1.1852996	-1.4462352	1.2576333		
DM05096P1	0.30637965	1.1982112	-1.0698103	-1.0388794		
DM04288P2	0.30639488	1.1977932	1.0559218	1.1526451		
DM09184P3	0.30659723	-1.1542377	1.0130317	-1.1812847		
DM06498P1	0.30665052	1.0956944	-1.583045	-1.0040674		
DM11860P2	0.3066554	-1.0551796	-1.2319013	1.021571	LOC1001156	XM_001600266.1
DM11226P1	0.30671024	-1.0763477	1.0948503	-1.0568328		
DM10062P4	0.306736	1.0909592	1.038172	1.3589702	TRIADDRAFT	XM_002113539.1
DM10742P3	0.3069775	1.013257	1.2077245	-1.0205741		
DM06157P1	0.30704826	1.8180851	2.4755206	1.1462493	CHORION PEI	XM_001868256.1
DM09997P2	0.3071434	-1.0016599	-1.015935	-1.2121209		
DM09633P2	0.30721736	-1.1281545	-1.0299355	1.030649		

DM07419P2	0.3072805	1.0349209	-1.0036443	1.0948738		
DM11533P2	0.3075074	1.0397174	-1.0100899	1.1156409		
DM02341P1	0.3075135	-1.1964775	-1.2411152	-1.0967519	DWIL\GK173	XM_002062040.1
DM09803P2	0.30751947	1.0373039	-1.1726862	-1.3620237		
DM03992P3	0.30755565	-1.0160699	-1.0062028	-1.2561144	LOC409680	XR_015084.1
DM03695P1	0.30757824	1.2068099	-1.739959	1.1843324	DPER\GL162	XM_002027804.1
DM02347P1	0.307586	1.080681	-1.1162809	-1.0909938	LOC1001222	XM_001605781.1
DM04509P3	0.30759197	1.1638806	-1.2126367	-1.0850893		
DM10936P1	0.30767715	1.2276808	1.3895519	-1.1808182	DYAK\GE163	XM_002100008.1
DM05744P3	0.30769837	1.0505778	-1.315441	-1.4196413		
DM01301P1	0.30770877	-1.0849965	-1.0963265	-1.1605219		
DM12777P2	0.30773214	1.0212893	-1.0298301	1.1113205		
DM13146P1	0.3077335	1.0594501	1.0877093	1.2050937	BRAFLDRAFT	XM_002608605.1
DM07861P3	0.30790395	-1.013377	1.2108499	1.1752656		
DM09005P2	0.30815718	-1.0304053	1.1261369	1.1173859		
DM07357P2	0.30823177	1.0814898	1.1276003	1.1101897		
DM01022P1	0.3082324	-1.0307004	1.18906	-1.4996272	DYAK\GE163	XM_002099998.1
DM11674P3	0.3082986	-1.0858204	-1.5450314	-1.3591242		
DM10477P3	0.3083211	1.0580828	1.3562346	1.2396973		
DM07027P3	0.3083856	-1.3391635	1.4643435	-2.0092332		
DM09346P1	0.30846226	-1.1023657	-1.4708633	1.0558771		
DM04333P3	0.30851212	1.0326856	1.017324	-1.2337499		
DM09769P1	0.30856016	-1.1211616	-1.0103301	1.0163232		
DM08303P2	0.30856124	-1.5130428	1.0057545	-1.5080595		
DM06524P3	0.3086506	-1.1173898	-1.1432879	-1.1307567		
DM13158P3	0.3086552	-1.1561711	-1.0199031	1.0794034		
DM12652P3	0.30868444	1.1928432	1.1142963	-1.0804394		
DM14865P2	0.30892068	-1.3213619	-1.1454583	-1.0051997		
DM02157P3	0.30892205	-1.0592604	-1.4831669	-1.2781354	PLOD	XM_001653065.1
DM11019P2	0.3089283	1.1709683	1.0207735	-1.0825405		
DM11468P1	0.30903754	1.233363	1.2051014	-1.1541737		
DM07344P3	0.30908212	-1.6017135	-1.3665036	-1.3065443		
DM03630P1	0.3091909	-1.0950238	-1.3663695	1.8375826		
DM09713P1	0.30924025	-1.0260313	1.1778301	-1.1703261		
DM00949P3	0.30925635	1.0313805	-1.0678118	-1.0310847	PHKB	XM_001658505.1
DM07178P1	0.3092726	-1.1669528	1.0574918	1.1674224		
DM09480P1	0.30938494	-1.2024515	-1.0178545	1.0259857		
DM00557P3	0.3094279	-1.0239263	-1.1114246	-1.1911751	ISCW_ISCWC	XM_002409350.1
DM01941P4	0.3094788	-1.0590583	-1.8102344	1.1510739	DANA\GF153	XM_001962188.1
DM11542P1	0.30955347	1.010485	-1.1196796	1.1345185		
DM13676P2	0.309615	-1.0579454	-1.0468602	-1.2856758	DPSE\GA204	XM_001354085.2
DM01920P3	0.3096561	-1.1217391	-1.0815997	-1.0910717		
DM10215P2	0.30969843	1.0625885	-1.0013572	-1.3827218		
DM04649P1	0.30974832	-1.0391194	-1.0783845	-1.1604444		
DM06983P3	0.30995214	1.0405173	1.0485309	1.1036245		
DM12492P1	0.31005672	-1.0318836	1.0526783	-1.0445707		
DM02854P3	0.31018955	1.0531113	-1.2070365	1.2092601	LOC657773	XM_970898.1
DM04345P3	0.31039405	-1.1402812	1.1872108	1.1519382	PHYPADRAFT	XM_001757345.1
DM09435P1	0.3104365	1.0777283	-1.1813315	-1.3539995		
DM14873P1	0.31058806	-1.048232	-1.0921977	1.2245897		

DM09214P3	0.3106071	1.3332181	1.2106119	-1.0905448		
DM00976P4	0.31067216	1.0002645	-1.1405798	1.0277171	SYT1A	NM_001002463.1
DM11817P4	0.31078738	-1.2059224	1.2134417	1.1214486		
DM05518P1	0.31092507	-1.025263	1.1546408	1.2139031		
DM05677P3	0.31093028	-1.0055711	1.0321373	-1.1713371		
DM08100P2	0.31110066	1.1753509	1.0431514	1.4765507		
DM10482P3	0.31116086	-1.0593393	-1.2657107	-1.0041862		
DM00834P1	0.31119445	-1.0135853	-1.7693486	1.108169	AAEL_AAEL0C	XM_001656773.1
DM05408P2	0.3113534	1.2322512	1.0729539	1.5054727		
DM13421P1	0.3115239	1.0350152	-1.1173629	1.4245989		
DM00864P3	0.31157324	1.0488127	1.0568217	-1.150796	FDH	XM_393266.2
DM09538P4	0.3116005	1.2086561	1.1250697	1.0038817		
DM12161P1	0.31164753	-1.0290349	1.0804982	-1.1522162		
DM11776P2	0.31172553	1.0856851	1.2432035	-1.0461138		
DM00795P1	0.3118927	-1.0627146	1.1190213	1.1508924	DGR1\GH113'	XM_001988780.1
DM02880P3	0.31190008	-1.1377661	1.0285568	1.2328397	LOC1002154:	XM_002156497.1
DM09273P1	0.3119448	1.3149891	1.2867932	1.1677351		
DM15104P1	0.3119738	1.0635246	1.0577261	-1.1023413		
DM14543P3	0.31204835	-1.0150145	1.5454888	1.4089149		
DM12472P4	0.31205836	1.0850806	1.0028914	1.204225	LOC610811	XM_848364.1
DM05892P2	0.31210837	-1.0829052	-1.1207494	-1.0247341		
DM11928P1	0.31216854	1.0525286	1.062888	1.0148891		
DM11687P1	0.31220728	-1.0559657	-1.047633	-1.1961495	LOC657419	XM_963880.1
DM13645P2	0.31231627	-1.1516237	-1.0676064	1.0365906		
DM02787P3	0.31238744	-1.0307406	1.0293084	1.149049	DWIL\GK244'	XM_002066533.1
DM00090P1	0.3124086	-1.0578628	1.0821391	-1.224322	MANEA	XM_001503820.1
DM15240P1	0.31255564	-1.0430133	1.1092738	1.1646603	LOC1001682:	XM_001946111.1
DM10729P3	0.312587	-1.093075	1.150348	-1.0750086		
DM10351P4	0.3125873	1.0392363	-1.1118642	1.5218182		
DM14762P1	0.3126015	1.3433473	-1.3545635	-1.2207447		
DM13428P3	0.31262377	-1.4613308	-1.0026008	-1.0360317		
DM12261P3	0.3126653	1.3277469	1.0555103	2.3780892		
DM05004P4	0.312748	1.0567003	1.3579952	-1.0281826		
DM00914P1	0.3128075	1.0739684	-1.0041732	1.1717839		
DM15086P1	0.3129001	-1.1377391	-1.1470724	-1.0795513		
DM08114P2	0.3129095	1.1541189	1.2834709	1.062291		
DM14193P4	0.31292188	1.1497571	1.1157514	1.1880887		
DM11225P2	0.31293395	-1.0530232	-1.2607766	-1.1889101		
DM06269P2	0.31299812	-1.1011611	1.0566065	1.1271079		
DM12018P1	0.31302193	-1.1215857	-1.0079805	-1.2832817		
DM03178P2	0.31304514	-1.0511544	1.131737	1.3722585		
DM08257P1	0.31308734	-1.0153037	1.1445738	1.1809818		
DM05828P2	0.31323075	-1.1500293	1.1126804	-1.0815678	DUT	XM_001165929.1
DM04041P1	0.3134522	-1.0635943	3.5254917	-1.2251664	NDUFB2	NM_001097502.1
DM12750P1	0.31348875	1.2708807	1.1098475	2.3779182		
DM02789P1	0.3135451	-1.052717	-1.0613989	-1.2990291	LOC1001649'	XM_001943987.1
DM12081P4	0.31356648	-1.0845689	-1.0762843	1.0062757		
DM01176P3	0.31365892	-1.0289898	-1.1185648	1.0190158		
DM01805P2	0.31386712	-1.0994375	-1.1024498	-1.1013737	NDUFS3	NM_001172315.1
DM08691P3	0.3138783	-1.0535984	1.0801872	-1.2027584		

DM13556P3	0.3140525	-1.0636039	1.1782247	1.0253385		
DM06670P1	0.31407434	1.0187898	1.0592688	1.0201522		
DM01728P2	0.31410939	-1.432862	-1.1937301	-1.1353743	LOC583310	XM_001196888.1
DM12026P3	0.31411123	1.0269978	1.0016356	1.1148041		
DM02352P2	0.31411558	-1.2353723	-1.1070437	-1.2945076		
DM12410P1	0.3141424	1.7054313	1.6073192	1.2748599		
DM01709P2	0.3141942	-1.250901	1.0147345	1.2597402	DYAK\GE215	XM_002093832.1
DM06196P2	0.31419668	1.1576552	1.119706	1.0250064	HSD17B4	XM_969691.1
DM05600P1	0.3142975	1.0545373	1.2291508	-1.0675215		
DM04716P2	0.3144202	1.2109774	-1.3576725	1.0856524		
DM01096P1	0.31443664	-1.1491092	-1.0503434	-1.1727481	RABGAP10	XM_624846.2
DM03151P1	0.31444317	-1.0426193	-1.0588634	-1.1434275		
DM11989P3	0.31446505	1.154787	1.1265833	-1.1352904		
DM09120P4	0.31450725	1.1334215	-1.3875883	1.7528411		
DM11366P1	0.31450757	-1.3770368	1.0691628	-1.1058531		
DM04636P4	0.31458297	-1.0940548	1.1379339	1.1062199		
DM00101P4	0.31459433	-1.0653394	1.2878562	1.2792877	DSEC\GM186	XM_002038044.1
DM11284P1	0.31460238	1.071133	-1.038528	1.1278902		
DM01549P2	0.31473202	-1.0249909	1.0247515	1.009264	NCU07340	XM_957405.1
DM12842P1	0.31477162	1.7330493	2.6952007	1.1945592		
DM03205P3	0.31511617	1.0566316	1.0965062	1.2571896	LOC1001986	XM_002167631.1
DM04517P3	0.31518003	1.1029305	-1.1356747	1.0847865		
DM14246P3	0.31536752	-1.138466	-1.0647464	1.0993685		
DM07737P1	0.3154274	-1.067506	-1.1175963	-1.045447		
DM13649P1	0.3154327	1.1227978	1.0954965	1.1474189		
DM06928P3	0.31547	1.078641	1.1903049	1.0644451		
DM01553P1	0.31550252	-1.0089036	-1.0439267	-1.0247846	LOC577743	XM_777955.2
DM05678P4	0.31551683	1.0541458	-1.1704456	1.508065	LOC1000280	XM_001378156.1
DM07503P3	0.31553847	1.0375048	1.1383941	1.0296605		
DM01890P1	0.31554562	-1.0399269	1.1825052	1.1424379	DERE\GG220	XM_001974965.1
DM10989P3	0.3157955	1.1408095	1.0889373	1.1107978		
DM02327P3	0.3158173	1.0367633	-1.1084813	-1.0508478	DWIL\GK128	XM_002073939.1
DM07872P3	0.31594265	1.7032683	1.2111572	2.1098292		
DM09482P1	0.31600976	1.2126268	1.1522394	-1.0206745		
DM12375P2	0.31616503	1.187343	1.1140894	1.1104966		
DM07143P1	0.31617546	-1.1039889	-1.0164446	1.1997471	AGAP_AGAP0	XM_001688343.1
DM10132P4	0.31630245	1.1078616	1.0800022	-1.0627654		
DM06086P2	0.3163134	-1.1474924	1.0019102	1.0661128		
DM00331P3	0.31634408	-1.0331682	1.200003	-1.5104895	DANA\GF194	XM_001966018.1
DM03783P3	0.3163782	1.0477498	1.0683068	-1.0760577	LOC1000139	XM_001368256.1
DM08553P1	0.31639254	1.0835357	1.0611423	-1.0082655		
DM07966P3	0.31645396	-1.0325202	1.0667197	1.1066056		
DM05909P1	0.3165023	-1.1177902	2.3954332	1.0848463	AGAP_AGAP0	XM_318638.4
DM03422P1	0.31652942	1.1419475	-1.2257134	-1.3157439	CG34348	NM_001103484.1
DM04093P1	0.31670782	1.1303548	1.3209792	1.3087618		
DM13947P2	0.31672123	1.007503	-1.0969015	1.2330878		
DM07147P1	0.31672406	1.2814224	-1.0070044	1.1619174		
DM01583P3	0.31674996	-1.0825433	-1.0736649	1.072855	RPL10A	XM_001656454.1
DM12242P2	0.31675464	1.0101137	-1.001555	-1.2108608		
DM07096P1	0.31678864	-1.0560678	1.0664961	1.1040452	DVIR\GJ2335	XM_002053371.1

DM05179P2	0.31684092	-1.0129145	-1.0718737	-1.1554465	
DM02289P4	0.31688225	1.2221745	1.0383056	-1.0191553	DWIL\GK168\XM_002061985.1
DM00489P3	0.3169876	-1.1262989	-1.1734577	-1.0789882	ISCW_ISCWC XM_002412535.1
DM03394P2	0.31702864	1.0021061	1.0670357	-1.2557691	ZGC:101577 NM_001013542.1
DM06418P3	0.31708032	-1.0674311	1.1449403	-1.1546608	
DM09132P3	0.31708813	-1.2191362	-1.0025791	-1.0305765	
DM02635P4	0.3171117	-1.1212914	-1.0366232	-1.124193	DHRS7B NM_001078778.1
DM00471P1	0.31714356	1.1824645	1.0383044	1.0036383	DGRI\GH233\XM_001994131.1
DM12776P3	0.31716463	1.4071003	-1.60253	1.1864535	
DM02505P1	0.31729817	-1.0179783	-1.5140748	-1.1337517	
DM10879P1	0.3173305	1.0701445	-1.073655	-1.0998964	
DM00118P3	0.31743845	-1.0533501	-1.037062	-1.2314748	BETACOP XM_001120953.1
DM12558P1	0.31744924	1.0766282	1.2253567	1.0560646	
DM07026P1	0.31747314	1.142285	-1.0078552	1.0927997	
DM05150P1	0.31760615	-1.0419719	-1.0197014	1.0724955	LOC1001522\XM_001925041.1
DM05822P1	0.3176177	-1.2162135	1.0075903	1.0594922	LOC1002248\XM_002190562.1
DM00086P2	0.31764445	-1.128151	-1.0968355	-1.1254969	CCT7 NM_001142855.1
DM05071P2	0.31772745	-1.1221566	-1.4347197	-1.1668551	
DM13711P3	0.31772777	1.0597628	-1.2654452	-1.0044315	
DM08625P4	0.3178269	-1.2464042	1.1544521	1.0021641	
DM05310P3	0.31792873	-1.2318342	-1.3133295	-1.2849153	
DM03044P2	0.31798583	1.0587552	-1.0268233	1.0858805	LOC411631 XM_395100.2
DM10573P1	0.3180855	1.1079752	1.1566827	1.1130093	
DM06172P3	0.3181387	-1.1580452	-1.0929178	1.0267458	
DM10699P2	0.31814387	1.0462257	1.0661854	-1.0712459	
DM13090P3	0.318147	-1.5107543	1.0007238	-1.1950144	
DM04742P1	0.31817517	-1.012752	-1.206541	1.096037	
DM11381P1	0.31827128	1.1557033	-1.1681131	1.085117	
DM02395P1	0.31835097	-1.0273578	-1.0409257	-1.1738099	LOC1001614\XM_001945089.1
DM10296P1	0.31863463	1.2167615	1.4637808	-1.1859617	
DM08580P2	0.3186821	-1.1060961	1.3391836	1.0452439	
DM10633P3	0.31871736	-1.1155264	-1.2091256	-1.1054966	
DM11121P1	0.31875372	1.046808	1.0971081	-1.1025933	
DM04406P1	0.31876484	-1.1913736	-1.3296278	1.0366181	LOC1002265\XM_002198704.1
DM04665P1	0.31876704	-1.0288088	1.0838171	1.095495	GSPATT0001\XM_001448596.1
DM02665P1	0.31884605	1.1806974	-1.736119	1.1263678	
DM09471P1	0.31894448	2.3382208	2.2499225	1.6939759	
DM05060P1	0.31912956	-1.1006292	-1.2198921	-1.2692354	LOC1000823\XM_001512998.1
DM06139P2	0.31934842	-1.1125221	-1.0498806	-1.0986964	CRP3 XM_385816.1
DM09527P1	0.31941637	1.0962751	-1.4608808	-1.0274141	
DM04177P4	0.31962425	1.1939884	1.1969965	-1.1408752	TVAG_02481\XM_001309399.1
DM09499P3	0.3196313	-1.0279113	-1.3342109	-1.2279797	
DM01591P3	0.3198044	1.0057049	-1.0050039	1.0284364	ACT57B NM_079076.3
DM14585P1	0.32006496	1.2652264	-1.429678	1.3130449	
DM06219P1	0.3200961	1.2672865	1.2262973	1.1509163	
DM08403P3	0.32030523	-1.1693151	-1.2503783	-1.141381	
DM00483P4	0.32041645	-1.0444297	1.1383077	-1.0223936	DGRI\GH168\XM_001994352.1
DM15225P3	0.32051477	-1.1829602	-1.0773125	-1.0190701	
DM01785P2	0.32068634	-1.0603166	-1.2014489	-1.0775974	ISCW_ISCWC XM_002413524.1
DM10613P3	0.32072806	-1.2804446	-1.1566778	-1.0568724	

DM02769P2	0.3207405	1.0527815	-1.0220947	-1.2068876		
DM14851P3	0.32099625	-1.1345127	1.1555582	1.0985471		
DM14644P1	0.32110542	1.019657	-1.5469382	-1.0602989		
DM08918P1	0.32114214	-1.0752904	1.1847876	1.2478722	HNRNPH3	NM_001012592.1
DM00203P2	0.3211773	-1.0456709	-1.2773411	-1.2063379	DGR1\GH221!	XM_001987844.1
DM08651P2	0.32131	-1.0293458	1.136214	-1.0286573		
DM10169P2	0.32131207	-1.0563995	1.1158105	1.0081428		
DM04189P1	0.32132655	-1.0632372	-1.088771	-1.1711583	AAEL_AAEL01	XM_001663332.1
DM10609P3	0.32148865	-1.0461462	1.1525277	-1.1034547		
DM10899P2	0.3214986	-1.2127343	1.0759612	-1.3047427		
DM03067P1	0.3215732	1.1367825	1.0859804	1.2240884	TPM	XM_001655904.1
DM10158P1	0.3215765	1.4993455	1.2073427	1.2582934		
DM06345P2	0.32159072	-1.0342327	-1.7625343	2.4196975		
DM01496P3	0.32161957	-1.0886309	-1.0511239	-1.1260675	LOC732876	NM_001046879.1
DM04294P4	0.32163298	1.0722247	-1.2789651	1.0415828		
DM11526P1	0.32163614	-1.0477891	1.0585887	-1.1840788		
DM13953P2	0.32186732	-1.1871938	1.0664203	-1.0195518		
DM10343P1	0.32191548	-1.1238856	-1.0315909	-1.1223557		
DM00187P2	0.32199648	-1.0131003	-1.0160663	1.1215694	LOC657573	XM_964025.2
DM08136P1	0.32201383	-1.0535675	1.0523539	-1.2707764		
DM10302P3	0.32213053	-1.022504	-1.3530755	-1.0671285		
DM07335P4	0.32235217	-1.0848083	-1.7377496	1.3548546		
DM08700P1	0.32237068	1.3126001	-1.1194311	-1.2328479		
DM01307P2	0.32262185	-1.0586506	1.1469111	1.3551008		
DM13192P4	0.32270518	-1.1556659	1.0063738	-1.0232316		
DM00027P4	0.32273412	-1.1096157	-1.0192459	-1.2337523	LOC656498	XM_963024.1
DM01750P3	0.32273903	-1.0164887	-1.2422252	1.2248062	AAEL_AAEL0C	XM_001656772.1
DM13086P1	0.32280135	1.0146763	1.0687182	1.0612872		
DM13846P1	0.3228298	1.3691123	-1.0074879	-1.1861012		
DM07041P3	0.32283694	-1.0622663	-1.0893713	-1.2332549		
DM07070P3	0.32286525	1.1043632	1.118978	1.0772879		
DM01499P3	0.3228659	-1.1662486	-1.5128577	1.0616916	DVIR\GJ1552	XM_002060027.1
DM02381P3	0.32291558	-1.1863889	-1.0434612	1.0187325	ZGC:194768	NM_001135129.1
DM07670P3	0.32306132	-1.2446353	-1.2402067	1.2054772		
DM02061P1	0.3231582	-1.099443	-1.0530897	1.1274465	RPL22	NM_009079.2
DM11439P1	0.32328027	-1.0234419	-1.0120388	-1.0904973		
DM07977P1	0.32334742	-1.2477325	-1.1450454	-1.2959509		
DM15093P4	0.32357222	-1.009212	-1.4360023	1.1166605		
DM11431P3	0.32357806	1.102032	1.1123762	1.0652223		
DM10089P1	0.3236521	-1.0645748	1.2148687	-1.0312359		
DM03732P2	0.32388765	1.2420682	-1.9085042	1.065196		
DM09831P1	0.32392475	-1.2010307	-1.4876549	1.056692		
DM02085P1	0.32394332	1.2230244	1.9325616	-1.4363925	THAPSDRAFT	XM_002285900.1
DM03934P3	0.32395664	1.1275926	1.2832388	1.1073382		
DM11451P1	0.32401803	-1.0429701	1.135482	1.1719868		
DM05192P3	0.32408607	-1.1285504	1.0477535	-1.0800562		
DM11656P3	0.32413638	-1.0151353	1.0381764	-1.073229	DRK	XM_623351.2
DM07154P2	0.32435298	-1.0221528	1.0172768	-1.1044531		
DM09647P3	0.32442254	1.1984651	1.2372918	1.0203173		
DM11228P1	0.32449302	-1.0028915	1.1056293	1.0567752		

DM15229P3	0.32450652	1.0730823	-1.2688371	1.0344495	
DM08681P3	0.32456797	-1.0633675	1.2267755	1.2110614	
DM00418P1	0.32464534	1.083614	1.1413072	1.1318437	DYAK\GE157:XM_002101207.1
DM15076P1	0.32465598	-1.0910861	1.0423918	1.1693194	
DM06466P3	0.32469314	1.0087479	-1.1162502	-1.1526861	
DM14470P3	0.32483485	-1.4959763	-1.2349637	-1.3501221	
DM12887P2	0.32488587	-1.0423796	1.0503359	-1.2327076	
DM05641P2	0.3251827	1.0125532	1.1414636	1.0114703	
DM03597P3	0.3252266	1.0938804	1.1122122	1.1651409	
DM02419P1	0.325305	1.1400535	-1.4547522	1.8095965	CYP4AB20 XM_001599684.1
DM05657P2	0.32531297	1.0560147	1.2007595	1.0908835	
DM06421P2	0.32531393	1.0280861	1.1111282	-1.059782	
DM03607P1	0.32543802	1.0910364	1.1132258	1.0717199	DMOJ\GI133:XM_002008157.1
DM11295P2	0.32547095	-1.0107821	1.0095646	-1.1546298	
DM06130P3	0.32550326	1.01001	1.1688368	1.3752131	DERE\GG139 XM_001979128.1
DM01928P2	0.32561278	1.1621585	1.076228	1.0467061	
DM06735P1	0.32568538	-1.0144193	-1.1398907	-1.1101704	
DM02362P2	0.32574478	1.1611677	1.0061241	1.1467565	DPER\GL137:XM_002020012.1
DM06027P2	0.3257779	1.2746735	1.5508453	-1.0046694	CP9 NM_001172259.1
DM10262P2	0.32584	1.1211181	-1.1154224	-1.2366916	
DM02780P1	0.32588524	-1.1153573	-1.067482	-1.2549556	
DM10591P1	0.32611322	-1.1053476	1.0044872	-1.0577308	
DM08044P1	0.3261333	1.1690708	-1.7587626	1.2607436	
DM13233P1	0.32619515	-1.0497644	1.0687937	1.27418	DWIL\GK120:XM_002067989.1
DM07822P3	0.32623038	-1.2427112	-1.2097082	1.0697577	
DM13815P1	0.3262382	1.1368017	-1.2363012	-1.1012033	
DM13600P4	0.32624346	1.0555556	-1.0634114	-1.0777293	
DM02774P4	0.326316	1.2004926	-1.0164704	-1.3242908	SSADH NM_001014665.1
DM00509P3	0.32636988	-1.1754869	-1.075959	-1.0764948	DWIL\GK126:XM_002067801.1
DM09825P3	0.3263954	-1.0672922	-1.1743184	-1.2098902	DANA\GF184 XM_001954740.1
DM02451P3	0.3264737	-1.1651471	-1.0628766	1.1945096	LOC1001607:NM_001160343.1
DM12254P1	0.32668814	1.0790919	-1.1568999	1.0773236	
DM05236P2	0.32673886	1.0527658	1.1205736	1.2421888	
DM14249P4	0.32680145	1.0052114	-1.3153733	-1.3273383	
DM07767P1	0.32696795	-1.022319	-1.1697949	1.0485253	
DM05010P3	0.32706282	1.1503068	1.2565881	-1.1071844	ISCW_ISCWC XM_002414405.1
DM10103P2	0.32708597	1.0111611	1.2909508	1.2480739	
DM02781P4	0.32710576	1.8621011	1.2432152	1.3130887	DSEC\GM180 XM_002037815.1
DM03528P2	0.32721886	1.5765193	1.3812414	1.6510961	DMOJ\GI152:XM_002009368.1
DM07166P1	0.32722718	-1.1614062	-1.1300671	1.0700462	
DM14185P3	0.32725418	-1.1696814	-1.0104887	1.1728302	
DM13415P1	0.32728854	-1.1296355	-1.073105	1.05234	
DM14074P3	0.3274728	-1.2176056	-1.1053509	1.0514531	DANA\GF209 XM_001964004.1
DM09727P2	0.3275572	1.2279657	1.3001848	-1.0701803	
DM01148P1	0.3275775	1.0206153	1.207175	1.0927055	
DM07944P2	0.3276634	-1.1998247	-1.102312	-1.2466595	
DM10354P1	0.3276778	-1.1140835	-1.060852	-1.2338175	
DM11062P2	0.32818007	-1.1873529	-1.0300614	-1.0237895	
DM08424P1	0.3282177	1.6671226	2.2936323	1.4515256	
DM07765P1	0.32825708	-1.0943192	-1.0240209	1.1593589	

DM03980P1	0.32830802	-1.0025914	1.0024395	1.1582868		
DM00132P2	0.32836327	1.1577747	1.3075334	1.172039	EIP74EF	XM_001650594.1
DM11566P2	0.32842317	-1.0649456	-1.0386496	-1.2868161		
DM06636P3	0.32851946	1.0194618	1.0592452	-1.10845		
DM12769P1	0.32853115	-1.0968773	2.2316735	-1.1233612		
DM10281P3	0.32854044	1.0365534	-1.0211306	-1.3160211		
DM01055P3	0.3286547	-1.0490168	-1.1588938	-1.0161957	RPL4	XM_001650221.1
DM12425P1	0.32875058	1.3032566	-1.0857131	1.3821512		
DM14231P2	0.32878312	1.0322137	1.6990525	1.2767295		
DM11405P2	0.32893464	1.1280774	-1.3679327	1.115568		
DM02634P2	0.3289428	1.1467052	1.2100552	1.0325209	MADM	XM_623816.2
DM00455P1	0.3289778	1.0138528	-1.0175928	1.1912221	DGRI\GH211	XM_001986087.1
DM05845P2	0.3290477	-1.3149648	-1.1558229	-1.1674538	LOC659617	XM_965908.1
DM06994P2	0.3290689	1.2189862	1.0267956	1.1362185		
DM00327P3	0.32911187	-1.040383	-1.3890053	1.0491623	DGRI\GH249	XM_001992662.1
DM04044P2	0.32925022	-1.1424276	-1.0962757	-1.0965556	LOC1001689	XM_001952186.1
DM10145P1	0.32933527	-1.0888464	-1.1397276	-1.0886747		
DM06062P1	0.32933864	-1.0443816	1.0447911	-1.0491228	GOT2	NM_001131416.1
DM08190P1	0.32938874	1.0388732	1.1430476	1.1626215		
DM09607P1	0.32941088	-1.005596	1.1119102	-1.0531757		
DM06565P1	0.32962254	1.2010777	1.2383236	1.0806038		
DM05405P1	0.32964677	-1.0544208	1.106243	1.0495408		
DM02546P2	0.329694	1.0904295	1.3896121	1.4075491	DERE\GG174	XM_001980878.1
DM07279P1	0.32970864	-1.2034187	-2.808799	1.1366065		
DM00710P2	0.3298402	1.0123245	-1.150641	-1.2071822	LOC1001691	XM_001950341.1
DM00619P3	0.32989085	-1.0038807	1.0800674	1.1243486	LOC1000196	XM_001372416.1
DM05857P1	0.33009693	-1.1560053	1.0161232	1.1787385	CPIPJ_CPIJOC	XM_001843985.1
DM05265P3	0.3301548	1.2085036	1.2925596	1.0838097		
DM00335P3	0.33034524	-1.1976482	-1.0194668	-1.0754629	BM1_02745	XM_001892016.1
DM03409P4	0.3304014	1.0748558	1.1707231	1.1860565		
DM07425P2	0.3306882	-1.2138635	-1.0816237	-1.0933366	LOC726657	XM_001122378.1
DM02090P2	0.33071202	1.0976706	1.042838	1.0566689	LOC763463	XM_001199448.1
DM14912P4	0.33073828	1.0643194	-1.2247571	1.0825897		
DM08221P2	0.33074215	-1.0324671	1.0917063	1.5306478		
DM06752P3	0.33080253	1.0269992	1.4108584	1.754168		
DM00461P1	0.3308204	-1.1953168	-1.0074642	-1.0172815	DYAK\GE219	XM_002094661.1
DM02293P1	0.33093184	1.119965	1.282513	1.0296288	BRAFLDRAFT	XM_002611791.1
DM13652P1	0.3309491	-1.074144	-1.071156	-1.1388592		
DM02180P3	0.33111054	-1.1836529	-1.2143238	-1.133199	LOC1002268	XM_002200572.1
DM07587P3	0.33112937	1.0365496	1.1557504	-1.0299042		
DM08880P2	0.33124495	1.0181959	-1.2635311	-1.131818		
DM01249P1	0.33135894	-1.0716203	-1.1045916	-1.2194488		
DM12733P1	0.33136085	-1.0652069	-1.2468214	-1.0656128		
DM15316P2	0.3313965	-1.177427	1.0703617	1.1227041		
DM03215P3	0.3314381	1.0141104	1.1032045	-1.0713036	CYCB	NM_001161460.1
DM02633P3	0.3314615	1.1553077	1.0639408	1.1075094	F23B12.5	NM_074178.5
DM08319P3	0.33149666	-1.047568	1.16203	-1.1503347		
DM14455P3	0.3316494	-1.0899569	1.020041	1.1395699		
DM01827P3	0.33172345	1.0481504	1.1987219	1.0768709		
DM10286P3	0.33181593	-1.1827439	-1.0697925	-1.0063673		



DM01172P2	0.3319015	-1.1081372	-1.258118	-1.7401476	ZGC:110348	NM_001109847.1
DM11716P3	0.33201483	1.2185344	1.1602222	-1.596888		
DM04471P1	0.3320216	1.2500834	1.6445781	-1.1117985		
DM10061P2	0.3320429	1.0592983	1.4628756	1.2945958		
DM111131P3	0.33218375	-1.102446	1.0577446	1.0115339		
DM08789P2	0.33231717	1.1304133	1.1277535	-1.1191003	EHI_007620	XM_001913542.1
DM06657P2	0.33240122	-1.2193129	-1.1580552	1.1367251		
DM03288P1	0.33241138	1.0049996	1.2452679	1.1999054	ISCW_ISCWC	XM_002401303.1
DM10155P3	0.3324185	1.035945	-1.0652391	1.1371827		
DM05327P3	0.33242837	-1.0669512	1.1621213	-1.0075965		
DM15034P2	0.3325659	1.1328709	1.1578511	-1.0140802		
DM00983P1	0.33276772	-1.0338694	-1.1126275	1.1765496	CG34350	NM_136593.2
DM10579P1	0.3328033	-1.0291907	-1.1464027	-1.1744671	LOC1001659	XM_001948827.1
DM06413P3	0.33285052	1.1117979	-1.0073302	-1.1150948	DYAK\GE104	XM_002088910.1
DM11202P2	0.33289307	-1.2947139	-1.212727	-1.335654		
DM09678P2	0.33295843	-1.1768504	1.034841	1.1102496		
DM09465P3	0.33296686	-1.0130763	-1.1384001	-1.1598194		
DM09414P1	0.33300778	-1.0678111	1.2298357	1.1032561		
DM06087P1	0.33313224	-1.0567787	1.0162675	-1.0425091	DWIL\GK156	XM_002063864.1
DM03860P1	0.33316818	1.0253888	-1.0037613	-1.1143669		
DM15317P2	0.3332378	-1.0414077	1.2143337	1.0234698		
DM09993P4	0.33323973	1.2883171	1.3781464	1.6896315		
DM05724P1	0.33339372	1.0407463	1.0103631	-1.0856507		
DM12187P1	0.3334091	-1.2445797	-1.5838279	-1.1836679		
DM13059P3	0.33344832	-1.1755843	-1.2583449	1.0851113		
DM07706P2	0.3334812	1.1033353	1.1135627	-1.0932069		
DM04432P3	0.3335191	1.1025056	-1.6542841	1.3140877		
DM05222P2	0.3335455	1.0862013	1.2867066	1.4101659		
DM14654P4	0.33382264	-1.3782433	-1.1671828	1.1216542		
DM10738P2	0.33392605	-1.0409827	-1.1620586	1.118122		
DM11636P3	0.33401248	1.1649129	-1.2843353	-1.1682082		
DM00722P1	0.3341648	-1.0947913	-1.1209027	-1.0066721		
DM10736P3	0.3341768	1.1326097	1.09816	1.0739665		
DM01394P3	0.3343225	1.429813	1.2470728	1.0737541		
DM01882P1	0.3343514	1.1342564	-1.0052627	1.0467602	NEMVEDRAFT	XM_001624589.1
DM02177P3	0.33440042	-1.0037966	1.1419243	1.2787057	LOC551998	XM_624380.2
DM01018P2	0.33476266	-1.1042361	-1.1833225	-1.1173568	LOC663948	XM_969975.1
DM06079P1	0.3348933	1.2612932	-1.2923563	2.5056498		
DM01632P3	0.33503044	-1.1124115	-1.013469	1.0381093	TFB1M	NM_001133415.1
DM06330P1	0.33505386	1.1842487	1.8559768	-1.4236552		
DM09368P4	0.33506083	-1.0889875	-1.673308	-1.0740091		
DM12100P1	0.3350654	1.0937893	1.015089	-1.0829476		
DM08410P2	0.3352452	1.2347125	-1.1694659	-1.0991734		
DM09223P1	0.33537206	-1.1330028	1.1172303	1.310587		
DM02834P3	0.33539563	-1.1594533	-1.0863391	-1.1338664	MVK	XM_001657775.1
DM04826P1	0.33539954	-1.0837948	-1.1680257	-1.1049606	DWIL\GK128	XM_002074059.1
DM12151P2	0.3354059	-1.0140828	1.007146	-1.1633219		
DM00506P1	0.33550024	1.1480712	-1.4191991	1.1874074	DERE\GG141	XM_001971849.1
DM13399P3	0.33552286	-1.1565772	-1.070113	1.0607468		
DM12323P2	0.3355889	1.0266138	1.0768038	1.1055815		

DM00262P2	0.33572188	1.157976	1.0547445	1.1012506	LOC663193	XM_969251.2
DM00099P1	0.3357761	1.0148518	1.0224413	-1.0712526	LOC580289	XM_780359.2
DM13987P1	0.33582053	-1.070863	1.009011	1.0579438	LOC1001239	XM_001607642.1
DM13330P3	0.33597475	-1.1936109	-1.1073699	-1.0262074		
DM14411P1	0.33600456	-1.083209	-1.0856057	1.0847374	AT2G05250	NM_126550.1
DM10394P4	0.3360391	-1.1601882	-1.1304907	-1.1370031		
DM15291P4	0.3361026	-1.1504494	-1.1532733	-1.3758476		
DM04596P2	0.33614954	-1.1220393	-1.021952	1.216367		
DM00514P2	0.33626783	-1.1634877	-1.0571063	-1.1323175	DWIL\GK241	XM_002067115.1
DM08469P2	0.3363071	1.296375	1.3745534	1.5812061		
DM04320P2	0.33635423	-1.0296042	1.074281	-1.0675796	DYAK\GE217	XM_002094282.1
DM07464P1	0.33650437	1.0459998	1.1501899	-1.0982475		
DM07356P1	0.33650503	-1.0895177	1.0616205	1.3826482		
DM04524P3	0.33652964	-1.0676237	1.0593027	-1.1581872	LOC1001242	XM_001608105.1
DM07086P1	0.33675405	1.0533834	-1.1320696	-1.0285188		
DM07953P3	0.33696765	1.0327854	-1.0255877	1.034795		
DM06246P4	0.33699965	1.0089446	1.1564718	1.0884337		
DM12097P2	0.33703473	-1.0248233	4.22506	-1.1224139		
DM14309P1	0.33709124	-1.2959836	-1.1006534	1.0034499		
DM02144P3	0.33710477	1.2746849	1.2062297	1.2016284	DGRI\GH217	XM_001987043.1
DM08499P2	0.33710626	1.2380402	1.4034774	1.2821916		
DM12813P2	0.33710968	1.1275316	1.1795626	-1.4718715		
DM13885P3	0.33737245	-1.2311357	-1.0098411	-1.1045331		
DM00536P2	0.33743173	1.0204455	1.0463022	1.0236998	DGRI\GH140	XM_001996061.1
DM07153P1	0.3377784	1.1181188	1.1846212	1.0012207		
DM07766P2	0.33789203	1.1119692	-1.0015944	-1.0007268		
DM14791P1	0.33800638	-1.0440542	1.3517447	-1.0069604		
DM01162P1	0.3380808	-1.1389674	-1.1336967	-1.0065609	GMDS	XM_418977.2
DM07188P1	0.33827898	1.1594044	1.3613896	1.4074032		
DM08635P3	0.33835903	1.0929044	1.0470735	1.2465998		
DM00343P4	0.33848852	1.0707325	-1.2227238	1.1749151	DPER\GL119	XM_002028445.1
DM01993P3	0.33877206	-1.0409185	-1.3107855	-1.0015441	LOC661504	XM_967659.2
DM08262P1	0.33883122	1.051401	1.2329433	-1.0086253		
DM12988P3	0.33887136	-1.361447	-1.0981209	-1.169611		
DM05275P1	0.33900625	-1.0152504	1.1117435	1.2590042		
DM08225P2	0.33919334	-1.1693475	-1.4075718	-1.0501249		
DM03969P2	0.33919466	1.101898	-1.0781684	-1.1996443		
DM03244P3	0.33922154	-1.047514	-1.4226117	-1.3097842	DANA\GF214	XM_001964270.1
DM10209P3	0.33931488	-1.023987	1.2415684	-1.072135		
DM00821P2	0.3394189	1.0247203	-1.082266	1.0492619	DYAK\GE142	XM_002092558.1
DM11877P3	0.33945432	1.2910961	-1.133797	-1.1162608		
DM00208P2	0.339625	-1.1800992	-1.0762228	-1.1437882	BRAFLDRAFT	XM_002593842.1
DM15326P3	0.339722	1.4193307	1.426521	2.2966282		
DM10249P1	0.33985552	-1.18559	-1.031268	-1.0576669		
DM05378P4	0.33989856	1.071494	1.0255433	1.1663312		
DM12368P3	0.3399662	-1.0058824	-1.0068724	-1.3993013		
DM09164P1	0.3400017	-1.0966564	-1.0846306	-1.0939974		
DM13636P1	0.3400214	-1.2444067	-1.0955936	-1.0362641		
DM09060P2	0.34020448	-1.0522996	-1.0313385	-1.1813354		
DM06292P3	0.34035042	1.0006658	-1.0115917	1.2162175		

DM02300P3	0.34061322	-1.0937833	1.0344123	1.1622837	LOC663932	XM_969960.2
DM15267P1	0.34072277	1.0242813	1.0538497	1.2033814		
DM09955P4	0.340771	1.1357166	1.0560592	-1.072786		
DM09131P1	0.34087944	1.1161177	-1.4421196	1.1453348		
DM11842P3	0.34088832	-1.573153	-1.3443176	-1.5514879		
DM06430P1	0.34101918	-1.1855519	-1.5015786	-1.2991016		
DM11666P1	0.3410844	-1.1319108	-1.2975038	-1.0728499		
DM01544P2	0.34119967	1.861349	2.2771938	1.1811329	PXD	NM_001170162.1
DM08165P4	0.3412028	-1.2507528	1.2531306	-1.0480945		
DM01388P1	0.34120673	1.0601217	-1.0822256	-1.0265725	LOC662500	XM_968591.1
DM10858P1	0.34120673	1.2390852	-1.0215456	1.1353103		
DM03682P1	0.3412583	-1.0077987	-1.0049887	1.1465468		
DM11664P3	0.3414008	1.0662073	1.127436	-1.0544746		
DM01397P2	0.3415786	1.0256381	1.0073944	-1.1353623		
DM09355P1	0.34159806	1.3577715	1.0714386	1.4503804		
DM09938P2	0.3417326	1.2393364	1.1474946	-1.0567296		
DM07314P2	0.3417354	-1.203482	-1.0863549	1.1404016		
DM09179P3	0.34176475	1.0684526	-1.0735224	1.1457716		
DM04325P2	0.34186798	-1.049661	1.1088893	-1.0949264	DPER\GL247	XM_002022180.1
DM10963P3	0.34189436	-1.060481	-1.0093935	-1.1876948		
DM13444P1	0.34213474	1.0182701	-1.188033	1.0620654		
DM06611P1	0.34224516	-1.0138452	-1.157543	1.1682695		
DM13733P1	0.34229368	1.0923232	1.3511295	1.0822288		
DM13622P1	0.3423328	-1.0937259	-1.0225937	-1.1111435		
DM12447P3	0.34239936	1.115726	-1.0226697	1.2028589	TRPM4	NM_175130.4
DM06188P3	0.34242296	1.0755718	1.1050286	1.3170705		
DM04531P4	0.34245253	1.075888	-1.0844043	1.0282434		
DM00876P2	0.34248093	1.0144613	1.1054271	-1.0687925	LOC578377	XM_001190921.1
DM07913P3	0.34249082	-1.0415304	1.2467692	1.249038		
DM07909P2	0.34256762	1.7302974	1.0748082	1.7283573	DYAK\GE254	XM_002096055.1
DM13658P1	0.342638	1.1081455	1.3136125	1.2340302		
DM03915P1	0.34265286	-1.005092	-1.8319122	-1.0603473		
DM12200P2	0.34270558	1.5407046	1.5427011	1.7783045		
DM09117P4	0.34271318	-1.0225438	-1.2042438	1.0466598		
DM06891P1	0.3428348	-1.0289247	1.1286126	-1.0883425		
DM00258P3	0.34284604	-1.0183666	-1.1121895	-1.036473	LOC692975	NM_001046814.1
DM13570P1	0.3430773	-1.2018446	-1.1277604	-1.1896484		
DM14440P3	0.34311697	1.1833789	1.2025219	1.4782599		
DM05165P3	0.34331498	1.1827563	1.2327611	-1.0383141		
DM12150P3	0.34339172	-1.1351469	-1.0764645	-1.0730282		
DM06225P2	0.34346652	1.0215793	1.0206928	1.102678		
DM09331P2	0.34352726	-1.257298	-1.1895995	-1.2769738		
DM04774P3	0.34357378	1.1160798	1.1030436	1.1993464		
DM09317P2	0.34385806	-1.1667604	-1.2870742	1.1906168		
DM03949P2	0.34389085	1.1724942	-1.1916074	1.1066028		
DM01586P1	0.34393376	1.0133488	1.0259986	1.0482055	DGR1\GH200	XM_001987269.1
DM09229P2	0.343946	1.0490589	1.2570161	1.2669913		
DM03452P1	0.34412792	-1.0175053	-1.0254849	-1.1210417		
DM03753P1	0.34417582	1.2012931	1.4748262	-1.0074518		
DM07037P4	0.3441962	1.1429251	1.040174	1.0946507		

DM11007P3	0.34423435	-1.049242	-1.5323257	-1.1569334		
DM11816P3	0.34429798	1.196672	1.2732974	1.149056		
DM12829P1	0.34437177	-1.0036418	1.1063782	-1.0857872		
DM00449P4	0.34437358	-1.4530569	1.0241867	1.0997691	BRAFLDRAFT	XM_002596369.1
DM00559P1	0.344697	-1.0613272	-1.0498799	-1.1617409	LOC732876	NM_001046879.1
DM12014P1	0.3447322	1.3671831	-1.0794929	1.6268463		
DM10316P4	0.34474596	-1.3449824	-1.2303535	-1.3487556		
DM06832P1	0.34474945	1.0193989	-2.0161483	1.4442538		
DM14659P3	0.34481382	1.0783619	1.6563894	1.1107512		
DM07775P3	0.3448739	-1.1991335	1.2670934	1.1230724		
DM02358P2	0.34488952	-1.1061164	-1.126697	1.063209	LOC1001680	NM_001136120.1
DM10496P3	0.34497565	1.1208092	1.1889805	1.3652527		
DM10759P2	0.34500238	-1.1283847	-1.1384892	-1.0224397		
DM14910P3	0.34506282	1.1199881	-1.2876364	1.114217		
DM01456P4	0.3451658	-1.002825	-1.0151652	1.2006738	LOC658026	XM_964440.1
DM12140P3	0.3453327	1.0148004	-1.016447	-1.1193396		
DM13855P2	0.3454349	1.0946337	1.2889477	1.1984819		
DM06497P1	0.34544602	-1.0541152	-1.1456354	1.2458333		
DM01450P1	0.3454497	1.0822974	1.1991351	1.5574772	PRSS3	XM_532744.2
DM12672P3	0.34550735	1.0076646	-1.1936148	-1.2728121		
DM10355P3	0.34554243	-1.0174032	-1.1975639	1.0907938		
DM06333P2	0.34556204	-1.2710099	-1.4008731	1.0384688	AGAP_AGAP0	XM_308259.3
DM02464P2	0.3456972	1.3685743	1.3622985	1.2814327		
DM08837P1	0.34571382	-1.0706422	1.4539363	1.2301942		
DM12158P1	0.34589407	1.1784627	1.2530409	1.0138392		
DM10597P4	0.34605676	1.3259522	1.0553731	2.1219733		
DM12175P4	0.3461095	1.0965625	-1.2119415	1.1878695		
DM13520P1	0.3461325	-1.0189397	1.0272	1.0542866		
DM00251P1	0.34618306	1.1308494	-1.5130957	1.1598499	VERM	NM_168809.2
DM04978P3	0.34625766	1.134028	1.2593309	1.0967939		
DM06836P1	0.34632006	-1.0622622	-1.2396481	-1.0470829		
DM07672P3	0.34638217	1.212524	1.4324253	1.3656877		
DM11641P1	0.34642145	1.0722816	1.0750788	-1.0572125		
DM05690P1	0.34649608	1.025161	1.0531964	-1.091858	BRAFLDRAFT	XM_002597635.1
DM04659P1	0.3466343	1.09634	1.3429037	1.4932175		
DM09110P2	0.34689274	1.2485136	-1.1787447	-1.1352481		
DM08777P1	0.34689376	-1.2646244	-1.5111749	1.0462965		
DM08851P1	0.3470691	-1.1172603	-1.8050321	-1.1745617		
DM09784P3	0.34707662	-1.1341159	-1.0184131	-1.0065352		
DM11207P1	0.3470863	1.0470091	-1.0260305	1.2229812		
DM08526P1	0.34710565	1.0130187	1.0512129	1.043432	RPL41	NM_001135910.1
DM15028P3	0.34710664	-1.1110682	1.576771	1.0327681		
DM10216P2	0.34713498	-1.1862098	1.0573194	1.0520899		
DM15069P3	0.34715417	1.004568	1.1722138	1.122879		
DM05662P1	0.34724423	-1.1290269	-1.289193	-1.1128446		
DM11749P4	0.34735417	1.0777385	1.0043283	-1.1207356		
DM11735P1	0.3473782	-1.0524491	-1.0952524	-1.1643803		
DM02161P2	0.34740606	-1.0573969	-1.0090606	-1.2521261	NMO	NM_168250.2
DM08745P1	0.3474114	1.0726188	1.1367966	-1.0352447		
DM15272P1	0.34741288	-1.0670094	1.0229949	-1.2543837		

DM14520P3	0.34749982	-1.3999406	-1.0799751	-1.2347956		
DM10595P2	0.34761882	1.2874081	1.5350162	-1.0830758		
DM09883P3	0.3476938	-1.0088283	1.1242781	1.0395004		
DM04381P1	0.34769896	1.108076	-1.5865189	1.3292722		
DM07405P1	0.34791505	1.1621419	1.389951	1.0357609		
DM11787P3	0.34793508	1.006026	-1.0998495	-1.0686824		
DM05243P3	0.3480988	-1.4140441	-1.0206218	-1.0677559	BE2	NM_001130879.1
DM11065P1	0.34826007	-1.1289226	-1.0910763	-1.131798		
DM01526P2	0.3482609	-1.0710455	-1.1237454	-1.0221833	DPSE\GA140	XM_001354290.2
DM02192P1	0.348287	-1.0358493	-1.1165264	-1.0895897	DWIL\GK230	XM_002074534.1
DM01166P1	0.3483124	-1.0170871	-1.0405719	-1.1228269	AGAP_AGAP0	XM_308148.3
DM10174P1	0.34842324	-1.0076967	-1.0306295	1.1709063		
DM04631P2	0.3484358	1.0710984	1.011396	-1.2230803		
DM06394P1	0.34856087	-1.073104	1.0719272	-1.0575131	LOC1001621	XM_001944329.1
DM14392P1	0.34864217	-1.1401395	-1.1881044	1.1093125		
DM08320P1	0.3487462	-1.1094972	1.0534693	1.14205		
DM06558P2	0.34879693	-1.0111476	1.0216502	1.087297		
DM15153P2	0.34894103	1.1327662	1.5054544	1.2809772		
DM08567P2	0.34902892	-1.0875621	1.0713917	1.0279303		
DM00647P3	0.34938812	-1.1126534	-1.109964	-1.2000511	DERE\GG121	XM_001981610.1
DM00930P1	0.34939182	-1.0190347	-1.1596808	-1.1010464	MTHFD2	NM_001031360.1
DM01035P2	0.3495614	1.0820185	1.0185323	1.1558945		
DM11017P1	0.34966263	-1.0741665	-1.0608132	-1.3160287		
DM12376P1	0.3497733	1.0583285	1.150256	1.0277115		
DM00951P1	0.3498152	-1.0221292	1.0479336	1.0399364	AGXT	XM_001864218.1
DM00533P2	0.34983382	1.1218356	-1.081458	1.0304028		
DM01180P1	0.34987372	1.0259556	1.0386083	1.1447556	ZGC:153615	NM_001077791.1
DM08052P2	0.34993008	-1.2280309	-1.0936258	-1.1916968		
DM08791P2	0.35001242	-1.1598923	-1.0501035	1.0469655		
DM08732P3	0.35016426	1.2284027	1.0389491	1.0742548		
DM09739P3	0.35033327	-1.2557347	1.1654966	-1.1869782	MONBRDRAF	XM_001750954.1
DM03330P3	0.35046542	-1.0500002	-1.128954	1.1803137	AGAP_AGAP0	XM_316056.4
DM04919P1	0.35048303	1.1229988	1.0072033	-1.0425869		
DM08290P1	0.35055274	-1.1381317	1.2600839	1.2809054		
DM00163P1	0.35057488	1.0938051	-1.1074374	-1.1101291	LOC1001606	XM_001945680.1
DM02630P2	0.35060832	-1.1444795	-1.0510186	-1.2120427	HYPOXIA ASE	XM_001660884.1
DM03649P3	0.3506602	-1.1825818	-1.2090555	-1.1276795	DMOJ\GI124	XM_002007221.1
DM11500P2	0.3509998	-1.124884	1.1375171	-1.1773534		
DM14354P4	0.35103106	-1.2600359	-1.3546002	-1.0253205		
DM09984P1	0.35105428	1.0097855	-1.1385629	-1.2913555	DYAK\GE188	XM_002088895.1
DM06276P1	0.3511511	-1.1579118	-1.0739832	-1.1621995		
DM02754P2	0.3512902	1.0271914	-1.0405202	-1.0732317	DWIL\GK129	XM_002073854.1
DM07654P3	0.3512949	-1.1093937	-1.1696916	-1.2330642		
DM01513P3	0.35133055	1.0427445	1.0574744	-1.2338957	SNX	XM_001847393.1
DM08389P2	0.35134754	-1.25265	1.2157481	-1.2616959		
DM02109P1	0.35140187	-1.1354812	-1.0336949	1.0028322		
DM14588P1	0.35149997	1.0562383	1.4061073	1.1160636		
DM01999P1	0.3518578	-1.221697	-1.0741534	-1.1914963	BRAFLDRAFT	XM_002609989.1
DM14296P1	0.35200635	1.0929786	1.0579963	1.2498966		
DM15275P1	0.35207105	1.1783576	-1.7364148	1.176791		

DM01813P2	0.3523174	-1.0336998	-1.2616321	1.03258	LOC1000782:XM_001509253.1
DM15244P1	0.35246623	-1.3065757	-1.1112033	-1.2379293	
DM00299P3	0.35251933	1.0973234	1.0506765	-1.2082803	DVIR\GJ1737 XM_002052075.1
DM12079P2	0.35279444	-1.3885868	-1.148695	-1.0550354	
DM05749P1	0.35285044	-1.2548107	-1.0137249	1.0107462	
DM08564P3	0.35287675	1.2634276	1.2659043	1.4888434	THAPSDRAFT.XM_002285900.1
DM11491P1	0.35332987	1.1428747	-1.0612726	-1.1453285	
DM04374P2	0.35361147	-1.0390636	-1.259965	1.0055901	DGRI\GH244 XM_001992040.1
DM07009P3	0.35363343	-1.0901283	-1.1537356	1.0117161	
DM02737P1	0.35370225	1.0074677	-1.0655323	1.1973987	CPNE9 NM_001102990.1
DM00295P2	0.35384575	1.0086194	1.1801025	-1.4558514	BM1_51650 XM_001901763.1
DM03226P3	0.35396275	1.038412	1.0143696	1.251125	
DM09724P1	0.35413104	1.0084494	-1.1415405	-1.2238507	
DM05789P1	0.35418484	-1.0666003	1.0379641	-1.0535458	ZGC:112255 NM_001020669.1
DM14400P2	0.35425574	-1.0389899	1.15134	1.0390255	
DM03369P1	0.35427603	-1.102204	-1.0479333	-1.0027357	DANA\GF157 XM_001963026.1
DM00985P2	0.35427654	-1.1176758	-1.1060482	-1.1732365	DMOJ\GI152 XM_002009325.1
DM15187P1	0.3542769	-1.0178162	-1.0910848	1.3106067	
DM13165P1	0.3544265	-1.1297127	-1.1638552	1.0435116	
DM13485P1	0.35454196	-1.2650673	-1.0786937	1.020196	
DM11267P3	0.35461697	-1.2522013	1.31827	-1.4527193	
DM02304P1	0.3546703	1.0687577	-1.0117979	1.1532304	LOC658986 XM_961952.2
DM03174P1	0.3547531	-1.0200609	1.0197061	-1.0542789	
DM07481P3	0.3549903	-1.2072883	-1.3493116	1.0366797	
DM01739P4	0.35555914	1.0174922	1.1209222	-1.068576	BRAFLDRAFT.XM_002606188.1
DM04617P2	0.35557783	1.132579	1.0834529	-1.040615	
DM14972P1	0.35559988	1.0590378	-1.1133808	-1.1609362	
DM06995P4	0.35568914	1.0041909	-1.0063064	1.2849855	DSEC\GM105 XM_002038503.1
DM04146P2	0.355859	1.032749	-1.1258348	1.0877719	
DM04449P2	0.3559023	1.2011901	1.18364	1.0711628	
DM12173P3	0.35593253	-1.1133671	-1.1171738	-1.2018926	
DM08363P1	0.35602167	1.0622735	-1.0410637	-1.2467607	
DM08591P2	0.35602304	-1.1021225	1.2586159	1.1449031	
DM08206P2	0.35609606	1.8777021	1.478409	2.0480216	
DM07799P3	0.35615277	-1.1570388	1.3001846	1.0924151	
DM00129P3	0.35626066	1.1009271	1.2402973	1.2606093	ECR NM_001159357.1
DM04117P2	0.356513	-1.1322865	-1.2469827	1.1899816	
DM07762P1	0.35651708	-1.1357957	-1.1563227	1.1465548	
DM00110P1	0.35657606	1.074107	1.14724	1.1406913	DANA\GF138 XM_001961304.1
DM11598P3	0.35669577	-1.1493723	-1.0694057	1.0533508	
DM10483P2	0.3567313	1.0411371	-1.3379495	-1.1518745	
DM06221P1	0.35674644	1.1147095	1.1024517	1.0303247	AAEL_AAEL0C XM_001657520.1
DM07231P2	0.35683027	1.0375065	1.0889504	1.6074351	
DM00921P1	0.35692316	1.0937269	1.0127636	-1.0492116	STAT XM_964384.2
DM12896P1	0.35700974	-1.0406481	-1.1402515	1.0371139	LOC732990 NM_001046986.1
DM11967P1	0.35702148	1.147367	1.1527822	1.0237541	
DM07484P2	0.35703528	1.0958728	1.3725281	1.0183063	
DM10793P2	0.3575179	1.1869196	1.1518303	1.0168155	
DM14516P3	0.35755792	-1.0215803	1.0158929	1.2038864	
DM02571P2	0.35762605	-4.1242375	-4.0261693	-4.284793	

DM03632P1	0.3576579	-1.1319128	-1.2260739	1.1274359	LOC412735	XM_396188.2
DM08456P1	0.35773918	1.1215198	-1.0022942	1.2008234		
DM12600P4	0.35786718	1.1877648	1.1291931	1.3250096		
DM12844P3	0.35799912	1.1660607	1.7811342	1.2769656		
DM07580P1	0.3581014	-1.0542603	1.0803685	-1.0500596		
DM10381P1	0.35820937	-1.2309544	1.1126591	-1.1370332		
DM09556P1	0.35834703	-1.0184662	-1.0994115	-1.2093214		
DM12738P3	0.35842636	1.00658	-1.0302707	-1.161472		
DM10468P1	0.35849223	1.0272069	-1.0022421	1.0325404		
DM02138P4	0.35858592	1.0302782	-1.0109795	1.1436659	LOC412313	XM_395774.3
DM05568P1	0.35871872	1.1470652	1.0124127	1.2833965		
DM09953P3	0.35887292	-1.1026626	-1.3438655	1.0855358		
DM00041P3	0.3589947	-1.0355982	-1.0034678	-1.1527483	LOC1002201	(XM_002199283.1
DM03166P3	0.3590579	-1.1486856	1.0959072	1.0888777		
DM14039P3	0.35912624	1.0268992	1.0841408	1.1464363		
DM00330P2	0.35925525	-1.0070324	-1.0588428	-1.1360348	AGAP_AGAP0	XM_315621.4
DM08228P1	0.35935456	-1.0661063	-1.2250682	-1.104215		
DM06067P2	0.3594592	-1.0835869	1.0287325	1.0841542	RPS26	NM_001126227.2
DM02985P4	0.35947186	-1.0312536	-1.1727743	1.1600244	LOC1002076	XM_002170824.1
DM15002P1	0.35956588	-1.1264948	-1.3444567	1.1590048		
DM12732P2	0.3596403	1.331598	1.6870934	1.2109452		
DM03344P3	0.35964918	1.0763881	1.0175908	-1.063642	LT	NM_001042951.1
DM01557P2	0.35969108	-1.0161588	-1.1437913	1.0804328	MGC68518	NM_001090004.1
DM03300P2	0.35994226	1.0567654	-1.0732203	-1.1238437		
DM05969P1	0.36013383	-1.1434532	1.0423931	1.3327808	DERE\GG153	XM_001972049.1
DM00766P3	0.36050427	-1.1004022	-1.0236226	1.038102	LOC657402	XM_963864.2
DM08489P1	0.36063296	-1.0269877	-1.0281652	1.2746795		
DM03154P4	0.36069432	-1.0479203	-1.0496178	1.2434596	LOC1001851	(XM_002124301.1
DM01595P1	0.36083865	-1.0069163	-1.0976808	-1.153098	RPL10	NM_001136122.1
DM15308P1	0.36089078	1.0674801	-1.0169954	-1.1393082		
DM01947P1	0.36092797	-1.0437213	-1.0145046	1.0034603	LOC1001873	(XM_002128730.1
DM06856P3	0.36094326	1.058397	1.2292346	1.1065729		
DM08444P2	0.36125252	1.07026	-1.0889585	-1.023619		
DM08412P1	0.36132133	-1.031121	1.2135704	1.1340375	LOC726700	XM_001122423.1
DM02833P2	0.36150858	1.007871	-1.0644598	-1.1106123		
DM04556P4	0.3616037	-1.0056216	-1.5696331	1.4074818		
DM05294P1	0.36167032	4.1754127	1.1095469	1.0214057		
DM00392P1	0.36171103	-1.0327792	-1.0137386	-1.2126516	LOC1000148	(XM_001363870.1
DM05401P2	0.36173972	-1.0140469	-2.1971252	-1.0434202		
DM01520P2	0.3617866	1.2623916	1.1966698	1.2403474	TNNC	XM_001652023.1
DM14165P1	0.36178866	-1.2110189	-1.1021426	-1.2147542		
DM10488P1	0.36196923	-1.1670245	-1.0633664	-1.2595586		
DM04763P1	0.3620395	-1.013826	1.048814	-1.5164324	OS07G05627	NM_001066526.1
DM05562P2	0.3622468	-1.0511948	-1.0967734	-1.2246193		
DM12035P3	0.3623687	1.263522	-1.2188755	1.1449208		
DM10807P1	0.36244437	1.0251429	1.0710803	1.3565696		
DM02886P2	0.36245298	1.0554923	-1.1427606	1.0526999	LOC551157	XM_623552.2
DM08683P3	0.3625529	-1.1005505	-1.37981	-1.1437575		
DM06073P1	0.36261278	1.0065887	-1.2134308	1.2831084		
DM07114P2	0.36264238	1.7474756	-2.019231	3.0632486		

DM09371P2	0.362662	1.1007135	-1.3313732	1.2343253		
DM11397P1	0.36277196	1.2820419	1.0885885	-1.0139402		
DM10325P3	0.36286178	-1.619317	-1.4899769	-1.2471087		
DM11772P1	0.36286902	1.0533944	-1.0103604	1.7084808		
DM02449P2	0.36291155	-1.0376552	-1.0415262	-1.1160141	LOC726088	XM_001120202.1
DM00031P2	0.3630448	1.1251556	-1.060182	-1.1021359	TTC30	NM_001102833.1
DM11070P3	0.36316845	1.0231267	-1.2981906	-1.1292243	LOC1001641	XM_001947823.1
DM02782P4	0.36318412	-1.0733557	-1.1240889	-1.1358136	NME1	NM_205777.2
DM04248P3	0.363207	1.0247757	1.1917901	-1.0136201		
DM15335P2	0.363324	1.3112204	1.2031499	1.6007751	LOC1002624	XM_002271293.1
DM10428P1	0.36341548	1.1170193	1.2180187	1.1449405		
DM04431P3	0.36365747	1.1087524	1.017643	1.0525577		
DM04885P2	0.36368057	1.0466353	-1.0673349	1.0756016		
DM10437P3	0.36376557	1.6731169	1.5712321	1.2218146		
DM05829P4	0.36377472	-1.0692499	-1.2016417	1.0191617	LOC663877	XM_969907.2
DM02504P3	0.36380833	-1.0009699	-1.1110327	1.056058	DGRI\GH189	XM_001989752.1
DM07943P2	0.36384627	1.2288821	1.0439689	1.3482891	LOC1001850	XM_002125527.1
DM14203P3	0.36390078	-1.0305187	-1.072926	1.0804057	UBQLN3	NM_001107543.2
DM09980P4	0.36390442	1.1381973	1.1314149	1.202238		
DM01452P3	0.3639596	-1.2844657	-1.1200215	-1.2552829	EPHX1	NM_001034090.1
DM10731P2	0.36414507	-1.116459	-1.096579	-1.0797471		
DM01297P2	0.36436462	1.1656287	1.094664	-1.0362204	LOC1002245	XR_054500.1
DM05428P2	0.3643831	1.0222616	-1.1537067	-1.0339448		
DM01828P2	0.36440536	-1.1975816	-1.2201068	-1.0827469	DANA\GF108	XM_001958266.1
DM02908P1	0.36486706	-1.2970355	-1.348593	-1.4359286		
DM04825P4	0.3651706	-1.0248927	-1.289129	-1.2041363		
DM07145P2	0.36532035	1.067278	-1.0867757	-1.0437115		
DM07547P1	0.36542413	1.2196317	-1.4531635	-1.225477		
DM13683P1	0.36542413	-1.0514939	-1.5431705	1.1801809		
DM15203P2	0.36549473	-1.0405169	1.1553439	-1.1041061		
DM09693P1	0.3655968	1.2237414	1.055651	1.1274909		
DM01170P2	0.36572817	-1.0187833	1.0385838	-1.1517313	LOC1001227	XM_001606271.1
DM06460P1	0.36572835	-1.1226304	-1.0936134	1.0931756		
DM08329P1	0.36573803	-1.0375168	-1.618551	1.0271744		
DM13603P3	0.36573994	-1.5378803	-1.1454552	-1.1310381		
DM15136P1	0.36576954	-1.005595	1.1302838	1.341181		
DM06786P2	0.36593628	1.0337659	1.1936481	1.1501058		
DM05149P1	0.36593783	2.8484588	-1.1042057	-1.1665086	BRAFLDRAFT	XM_002591764.1
DM03852P1	0.36595464	1.1275716	1.2359883	1.1841173	LOC663813	XM_969848.1
DM04197P3	0.36599773	1.0952928	-1.1356928	1.1071277		
DM08740P1	0.36602703	-1.1490166	1.3246747	-1.0060837		
DM12314P1	0.36604762	1.0576571	-1.0629671	-1.1432841		
DM13808P1	0.3660653	-1.1512485	-1.1203154	1.0494975		
DM03155P1	0.36620855	1.0669147	1.0778402	-1.7799041		
DM04150P3	0.36628532	1.2379726	1.0966562	1.1242915		
DM12116P1	0.36644545	-1.1028956	1.096642	-1.0858881		
DM01443P3	0.3665966	-1.3239241	-1.0868304	-1.1189426		
DM10510P1	0.36663666	-1.0533346	-1.1507524	1.0213248		
DM08142P1	0.36667153	1.0681862	1.0373398	1.0852349		
DM04394P3	0.3667792	1.2311118	1.0832539	1.1684196		



DM03436P1	0.36678892	1.0996897	-1.1507939	-1.0706415		
DM00109P1	0.36683977	-1.0300152	1.0176039	-1.126664	CSNK2A1	NM_001002242.1
DM01075P1	0.3668814	1.0018566	-1.0722191	-1.1243309	AAEL_AAELOC	XM_001659432.1
DM15302P2	0.36695808	-1.014111	1.0818542	-1.056334		
DM12739P1	0.3669886	-1.0700362	-1.0324339	1.4771616		
DM07087P1	0.36707103	-1.8001274	-1.1845742	-1.13565	CG17337	NM_136337.2
DM02965P1	0.36725417	-1.1513914	-1.1050671	1.0556706	LOC10016386	XM_001945402.1
DM03702P3	0.36726734	1.1443368	-1.2184678	1.1620417	LOC10016886	XM_001948427.1
DM09316P1	0.36754972	-1.2015837	-1.3286597	1.1353629		
DM04050P3	0.36762458	-1.0414293	-1.346208	-1.1044259	AGAP_AGAP0	XM_551775.3
DM08465P1	0.3676279	-1.1729916	-1.185047	-1.0726099		
DM05391P2	0.36778966	-1.0863446	-1.19461	-1.3236572		
DM13328P3	0.36782894	1.3241299	-1.1111987	1.2519623		
DM04566P1	0.36802486	-1.1118097	1.1050586	1.2604086	AIFM2	NM_001097928.1
DM01518P1	0.3681608	1.0852771	1.3123624	1.2942502	DPER\GL124C	XM_002019412.1
DM10083P1	0.36825734	1.0933336	-1.1834584	-1.4169207		
DM03763P4	0.36850926	-1.0444126	1.0184516	-1.1359054		
DM03991P1	0.36856148	1.0494785	1.0529151	-1.2188486		
DM05496P3	0.36856776	1.2147161	1.0640911	1.126908	DMOJ\GI121E	XM_002007758.1
DM14257P1	0.36858097	1.0582205	-1.2881482	-1.0126289		
DM04687P1	0.36865252	1.0062597	1.2015021	1.0726538		
DM07434P3	0.3686793	-1.2402735	1.107785	1.1171534		
DM08809P1	0.3687702	1.0358573	1.1106571	-1.3045553		
DM01467P3	0.36893877	-1.097294	-1.0425082	-1.1373425	BZW2	XM_532484.2
DM07358P3	0.3689454	1.0450702	1.3794215	-1.2945659		
DM13752P4	0.36898842	-1.0811538	1.0487323	1.1928821		
DM10516P2	0.3690924	1.1858621	1.3334028	1.32155		
DM06936P1	0.3693125	-1.0159664	-1.5448711	1.108002		
DM11568P2	0.36950287	1.1746936	1.1081533	-1.0815035		
DM12942P2	0.36953163	-1.0549247	-1.0255815	1.1920544		
DM00186P2	0.36954612	-1.1206692	-1.2004645	-1.1562462	LOC1001421C	XM_001814705.1
DM05563P1	0.36961254	-1.0251337	1.2176169	-1.0729235		
DM07265P1	0.36967358	1.3241277	1.0374109	1.4005729		
DM02469P3	0.36968666	1.0544841	1.0408094	-1.0565429	AGAP_AGAP0	XM_316499.4
DM06803P4	0.36976567	1.2474146	-2.6613452	1.4563746		
DM10800P1	0.3698571	1.1476634	-1.1131175	-1.289974		
DM08351P1	0.37009495	-1.3188972	-1.0341974	1.046772		
DM05990P1	0.37009618	-1.2809858	-1.1523983	-1.0175157	DYAK\GE205	XM_002093787.1
DM12972P1	0.37012988	-1.0231662	1.0109205	-1.2122427		
DM05752P3	0.37013337	1.0020984	-1.5553275	2.4591708		
DM08163P2	0.37013966	1.1682824	1.1480793	1.2062602		
DM06322P1	0.37020233	-1.1455932	-1.0561305	1.0869224	NEMVEDRAFT	XM_001630079.1
DM04950P2	0.37022117	-1.1725764	-1.0942214	-1.1959723	EB1	NM_165487.3
DM01219P3	0.3702259	1.0004771	1.1518114	-1.0688423		
DM02685P3	0.37027478	-1.0463855	1.0078956	1.0692631		
DM15264P3	0.37038445	1.2433684	-1.0277712	1.0527757		
DM04405P2	0.37060788	-1.1405519	1.0441164	1.0164442		
DM08997P2	0.37075692	-1.1268755	1.167445	-1.0017254		
DM15233P3	0.37096933	-1.2094662	-1.1935351	1.0398877		
DM12209P2	0.37097022	-1.0963247	-1.6917696	-1.1297413		

DM08649P1	0.37097055	1.0246102	1.0085297	-1.109266	
DM13767P3	0.37099573	-1.0311545	1.0664201	-1.0487821	
DM05644P3	0.37104696	1.5560939	1.6510147	1.6045455	
DM14542P3	0.3711297	1.2524334	-1.155819	1.1266419	
DM05144P3	0.37113285	1.1653286	1.0770304	1.0996743	
DM11740P3	0.37118495	-1.4597918	-1.9123902	1.3153883	
DM14434P2	0.37119702	-1.0142965	1.1817986	1.1569097	
DM00721P3	0.3712021	-1.022299	-1.2224959	-1.1473794	LOC1001597(XR_045801.1
DM14495P1	0.3712306	-1.1407771	1.0728378	1.1568549	DSEC\GM112 XM_002044331.1
DM06493P4	0.37123096	-1.1789846	-1.0462873	1.060771	
DM04292P3	0.37124303	-1.0690571	1.0060093	-1.1429842	
DM11043P3	0.3713837	1.0959295	1.2144353	1.0325176	LOC727288 XM_001122997.1
DM11719P2	0.3715554	1.0584402	1.0839343	1.0257517	LOC659178 XM_965505.2
DM05025P1	0.3716515	1.1905861	1.1377097	1.0796748	GBETA5 XM_392638.3
DM00521P3	0.37165815	1.0070537	1.0009346	-1.1290448	DMOJ\GI171 XM_002001984.1
DM09573P3	0.37170225	-1.1620849	-1.0125768	-1.1827002	
DM04904P2	0.37175533	1.183313	-1.1114833	1.0349628	
DM14271P2	0.37189963	-1.3224851	-1.0897702	-1.0561118	
DM04136P3	0.3722653	1.1221024	-1.0351453	-1.0313765	
DM06777P4	0.37227285	1.0147164	-1.0376421	-1.1722374	
DM12641P2	0.37228984	1.1067427	-1.4615659	-1.1873819	
DM10754P1	0.37236628	1.1814622	1.2782145	1.0214849	
DM06505P3	0.3724159	1.4872361	-1.8314148	1.7130735	
DM01674P2	0.37247235	-1.0535594	-1.0667968	-1.264269	DPER\GL162 XM_002027798.1
DM08537P3	0.37259546	1.1505818	1.0726558	-1.1146322	
DM13024P2	0.37264824	-1.0627599	-1.0009608	-1.1075723	
DM02628P1	0.37268877	-1.0662338	-1.0521964	1.1643374	AGAP_AGAP0 XM_316486.4
DM10453P3	0.3727763	1.0310327	-1.3463961	-1.2748499	
DM09160P1	0.37283176	1.0157489	1.1916099	1.0122058	
DM14300P3	0.3728579	1.5220269	1.1166679	1.19965	
DM13929P3	0.3729028	1.2507339	1.4541987	1.502789	
DM01749P1	0.37297758	-1.0038186	1.0504023	1.0555751	RPL27A NM_001130329.1
DM10883P2	0.37318736	1.005201	-1.0785956	1.0513328	
DM06124P2	0.37319648	1.1144842	1.0367688	1.2856163	
DM10464P1	0.37321404	-1.1551847	1.0090855	-1.1770973	
DM10648P1	0.37328008	1.2062286	-1.050526	-1.0984226	BRAFLDRAFT XM_002591844.1
DM02594P4	0.37342516	-1.1217821	-1.0549356	-1.0448259	LOC476118 XM_533325.2
DM04684P2	0.37346205	1.1422826	1.6010654	1.0147343	
DM13500P1	0.37351546	1.0028216	1.0172881	-1.1277905	
DM00867P4	0.37373123	-1.0367221	-1.0248171	-1.1484199	DGRI\GH101: XM_001989266.1
DM00590P1	0.37386447	1.4157975	1.7584002	1.4183377	AGAP_AGAP0 XM_308537.4
DM03126P4	0.37393463	-1.10689	-1.0881021	-1.144988	AT3G02190 NM_111086.2
DM06534P4	0.37400654	-1.1218507	-1.0165693	1.0825604	
DM01361P3	0.37408304	1.2546753	1.2980173	1.1014848	
DM08354P2	0.37413844	-1.1886637	-1.0322415	1.0732313	
DM03278P2	0.37426177	-1.0300883	-1.0876509	1.1340331	
DM05705P4	0.37426952	1.0951748	-1.2066165	-1.1470535	
DM04685P2	0.37432405	1.0809478	1.2030238	1.1328827	
DM06706P2	0.37436876	-1.2673428	-1.1056625	-1.2639998	
DM05013P2	0.37443158	1.0793447	-1.9495751	1.2191474	

DM08042P1	0.37453243	1.4767867	1.575736	1.3024775	
DM05951P1	0.3746157	-1.1519336	-1.2343392	-1.131368	LOC1002273:XM_002186713.1
DM05991P4	0.3746606	1.0551977	1.17593	1.1767192	LOC1002120:XM_002154425.1
DM13729P1	0.3747395	-1.0438223	1.2550666	-1.2027482	PHYPADRAFT.XM_001753484.1
DM14987P1	0.37500423	1.0081946	-1.0581653	1.0956067	
DM09010P4	0.37511665	-1.1585774	-1.6788504	1.0436794	
DM08818P2	0.3751408	-1.2793126	-1.2578259	-1.2529459	
DM01786P3	0.37517443	1.1721929	1.0018059	1.143874	LOC1001666:XM_001946394.1
DM05963P1	0.3753613	1.0092106	1.1629384	-1.2146789	
DM02243P1	0.37551382	-1.1544008	1.0168169	1.0728167	LOC1000148:XM_001365791.1
DM08605P3	0.3755678	-1.157159	-1.0449998	1.0052377	
DM02662P1	0.3756124	1.0495956	1.0373513	1.0240937	DPER\GL137:XM_002020012.1
DM06369P1	0.37563145	-1.1660336	-1.7366178	1.1318955	AGAP_AGAP0 XM_308259.3
DM01589P2	0.3756879	1.0291203	-1.0001042	1.2041681	ATP1A XM_001662167.1
DM02674P1	0.37576166	1.0927752	1.1467766	1.1215321	PTP4A1 NM_001160349.1
DM01296P3	0.37580293	1.0375513	1.0936393	-1.1619004	
DM05706P1	0.37582394	1.0870005	-1.1185889	1.0827932	
DM07093P3	0.3758488	-1.1219296	1.1941799	1.3434068	
DM11814P4	0.37586612	1.0354557	-1.0859236	1.160751	
DM14217P3	0.375915	1.1201047	1.1239791	-1.0311317	
DM10904P1	0.3759418	-1.1712339	-1.1290725	-1.354491	
DM07788P2	0.37617978	-1.1692472	-1.1493344	-1.0761199	
DM09379P3	0.37630606	1.185731	1.0869961	1.0569186	
DM14297P3	0.37636644	-1.21228	-1.0077384	1.1457752	
DM02066P3	0.3764348	1.0449016	1.0825243	1.2823747	DANA\GF239:XM_001957565.1
DM04505P3	0.3764862	1.0937718	-1.6986575	1.0365049	
DM06717P1	0.37651855	-1.0251865	1.2194489	1.075789	
DM06806P3	0.37655264	-1.0500866	-1.0061847	1.186485	
DM15009P4	0.3766053	1.0163418	1.2784873	1.2185478	
DM06481P1	0.37665796	1.0397071	-1.4098123	-1.2758923	
DM10937P1	0.37671718	1.0695959	-1.0695426	-1.0976043	
DM04308P4	0.3767223	-1.0281769	1.3490778	1.4766363	AT1G63510 NR_022362.1
DM07965P1	0.37682942	1.0006777	-1.0438929	1.082188	
DM08722P1	0.37697372	1.3426389	-1.3258073	1.0039353	
DM14318P1	0.3769806	1.0640252	1.3651352	1.2823508	
DM00692P4	0.37699777	-1.0396587	-1.0923405	1.0069274	LOC1001233:XM_001606887.1
DM09017P2	0.37715214	-1.052459	-1.0242903	-1.2294389	
DM09093P1	0.377322	-1.0191473	1.2098312	1.0749655	
DM03824P1	0.37738696	-1.0902992	-1.0074729	-1.0166725	
DM14445P1	0.37740746	1.0545174	1.1102332	1.2308542	
DM09786P1	0.37765405	-1.0240585	1.3807291	-1.0115592	
DM07743P2	0.3776645	1.1737833	-1.2008237	-1.1818992	
DM08362P4	0.3776893	1.0115693	1.2215381	1.4639876	
DM09636P1	0.3777814	-1.0748382	1.1327887	1.1634812	
DM05736P3	0.37784585	-1.198645	-1.1114984	1.1231196	
DM10058P1	0.37789455	-1.0983462	-1.551643	-1.09911	
DM10031P3	0.37789652	-1.3130233	-1.1726717	-1.1818327	
DM11712P1	0.37796417	1.0311501	-1.0008464	-1.1214943	
DM07873P1	0.37803647	-1.0377419	1.12083	1.2195343	
DM08887P1	0.3780565	-1.1321665	-1.1304381	1.1014885	

DM05704P1	0.37806234	1.0091429	-1.103856	-1.0895941	LOC732912	NM_001046913.1
DM02967P3	0.37812737	1.1799629	1.0120428	-1.4240228	LOC409367	XM_392882.3
DM07690P1	0.37828457	1.0347891	1.1184021	1.0507929		
DM07908P2	0.37835246	1.2457993	1.6456411	-1.1779305	HNRNP	XM_001664035.1
DM01487P3	0.37849203	1.1998456	1.32642	1.1034185		
DM12749P1	0.37858886	-1.1651745	-1.1547464	-1.1607665		
DM05058P4	0.37864792	-1.0377927	-1.1216453	-1.024802	EHI_008200	XM_645264.2
DM06839P3	0.37866157	-1.0387177	-1.4064083	1.0060139		
DM00926P4	0.37871692	-1.2446073	1.1425811	1.1412722	POLR3A	NM_001083750.1
DM12881P1	0.37905446	-1.1537526	-1.0190935	-1.1429578		
DM11859P3	0.37906653	1.2685558	1.1077809	1.1218705		
DM03916P2	0.37906724	1.327435	1.2050649	-1.0743456	CNBL2940	XM_767335.1
DM10571P3	0.3791544	1.2401154	1.4998814	1.1980546		
DM08941P1	0.37928954	1.0951494	1.0180414	-1.0483733		
DM12712P2	0.37937072	1.0000683	1.0254271	-1.0777352		
DM01745P1	0.37945935	1.1050084	1.074353	1.2016822	ECR	NM_001159355.1
DM01288P4	0.3795759	-1.4671385	-1.0836222	-1.4774276		
DM00961P3	0.3796079	1.0105294	-1.1844503	-1.0021386		
DM12911P1	0.3796644	1.1780683	1.3529663	1.3503537		
DM12233P2	0.37974313	-1.0976359	-1.1720647	-1.1002471		
DM14215P1	0.3798594	1.1233212	1.3213573	1.042372		
DM08005P1	0.37992322	-1.0389495	1.0715734	1.2291685		
DM09857P1	0.38008022	1.485298	1.0636146	1.428062		
DM13026P2	0.38009143	-1.180109	-1.0843759	1.0299718		
DM13217P1	0.38034618	-1.174503	-1.0661188	1.0704061		
DM09585P3	0.3803809	-1.1427459	1.1243343	-1.1246117		
DM07004P2	0.3805418	1.2204778	1.1575735	1.1710488		
DM07115P2	0.3808185	-1.027656	-1.2433888	1.3073221	DVIR\GJ1552	XM_002051370.1
DM02270P1	0.3808851	1.0156682	-1.1679794	1.0184793	VINC	XR_014976.1
DM14811P3	0.3810087	1.0194268	1.1432986	1.1859864		
DM15259P1	0.3810203	-1.1134751	1.1230545	1.226028		
DM11874P3	0.38111722	1.2278929	1.1439937	-1.0025756		
DM08289P2	0.38112026	-1.1185538	-1.0712122	-1.1139734		
DM13928P3	0.3812653	-1.0329124	1.0179284	1.2580136		
DM12228P1	0.38133663	1.2196251	1.4244463	1.4454215		
DM12234P1	0.38143986	-1.1421968	1.07554	1.3977872		
DM00992P1	0.38148034	-1.0030663	-1.2634596	1.4047836	LOC410819	XM_394295.3
DM11673P1	0.3816371	1.0750393	-1.1249849	-1.0483526		
DM14765P3	0.38165653	-1.119653	1.4606524	-1.0233996	AT5G09345	NR_023116.1
DM12477P3	0.3817905	1.005938	-1.1328945	1.052061		
DM05747P2	0.38182297	1.1034781	1.0064383	1.0930442	GMPS	NM_001006556.1
DM06488P1	0.3820464	-1.0804348	-1.1232473	1.1391541	BRAFLDRAFT	XM_002587081.1
DM12414P1	0.38216245	1.4474719	2.1073127	1.0586265	COL-101	NM_067504.4
DM06938P3	0.38229743	-1.0269185	1.0995312	1.3633461		
DM05103P1	0.38238388	-1.1362623	1.006425	1.1156747		
DM09114P2	0.38245997	-1.0665172	-1.0588315	-1.2828763		
DM09108P1	0.38267294	1.0102178	1.2044892	1.0739983		
DM09127P3	0.38271528	1.0507443	1.3167495	5.315485		
DM06988P1	0.38283986	2.1159809	2.6624465	1.4061956		
DM08128P2	0.3828987	-1.0925469	1.0457624	1.1260316		

DM04066P2	0.38297808	1.18334	-1.0458219	1.1328213		
DM03689P1	0.38307267	-1.0250912	-1.0056521	1.236131	LOC661085	XM_967270.2
DM02741P2	0.38312757	-1.1852221	-1.1249006	-1.2578095		
DM14380P2	0.38316566	1.0213441	-1.2203977	-1.0156245		
DM09789P1	0.3831889	-1.0988647	1.0277402	1.0908786		
DM11172P3	0.38325313	-1.0134646	-1.183147	-1.1036193		
DM12885P2	0.3832909	-1.2013618	-1.1237257	-1.3603429		
DM00215P3	0.3834292	1.0532271	1.169265	1.0478241	DRG1	NM_004147.3
DM10614P3	0.38349774	1.2402251	1.6043961	-1.1728333		
DM05237P1	0.38352278	-1.1566111	-1.5496541	-1.1361649		
DM01335P3	0.383572	-1.1113381	-1.0240595	-1.1612968	DWIL\GK210	XM_002069198.1
DM12449P2	0.38360906	1.0627061	-1.1140137	-1.0625205		
DM10403P2	0.38372704	1.0567554	1.0151775	-1.0115807		
DM11021P3	0.38380045	-1.1545767	-1.1008804	1.1148545	DYAK\GE165	XM_002099776.1
DM01753P3	0.38382983	-1.0026573	1.0104102	1.1259661	LOC1000104	XM_001362420.1
DM00913P1	0.38388032	1.1148235	-1.3361096	1.0141488	NEP-L	NM_001043494.1
DM10129P2	0.3841469	-1.2677199	-1.1210129	-1.3289602		
DM07020P3	0.38416266	1.0613844	1.1622574	-1.6274283	CP3	XM_001949845.1
DM04139P1	0.38420978	1.0245912	-1.8090153	1.1029897		
DM01772P1	0.38427395	-1.0016731	-1.007866	1.0282108	LOC1002314	XM_002187560.1
DM11448P1	0.38438973	-1.082606	-1.0755169	-1.2276481		
DM05974P1	0.38448223	-1.2353851	-1.0503821	-1.0304962	DANA\GF224	XM_001965390.1
DM00561P1	0.38449353	1.0749801	-1.3295205	-1.1209533	LOC1002429	XM_002266073.1
DM10966P1	0.38449532	1.0087614	1.0671057	-1.0642358		
DM04147P2	0.38456634	-1.1030011	-1.1560858	-1.1444123		
DM11770P3	0.38463432	1.1367894	-1.0937345	1.2015334		
DM14525P1	0.38475162	-1.3433232	-1.7342819	1.3083733		
DM11307P3	0.38481063	1.1113546	1.0389688	1.1025962	CPIPJ_CPIJ01	XM_001868780.1
DM10099P3	0.38493064	1.2922285	1.3608692	1.3611052		
DM08849P1	0.38498843	-1.0146183	1.0067053	-1.2221622		
DM04360P3	0.38503867	-1.0322423	1.0100485	1.1331341		
DM00296P1	0.3850769	-1.2989272	-1.2298062	-1.1880546	DMOJ\GI130	XM_002007588.1
DM11389P4	0.3850886	-1.0844207	1.0816174	-1.0306245		
DM06302P4	0.38514352	-1.0989599	1.0401107	-1.1068904	LOC1002662	XM_002283913.1
DM03669P1	0.38516182	-1.0533186	1.1426451	1.2174659	DPSE\GA100	XM_001357982.2
DM00751P2	0.38522735	-1.1550112	-1.1367236	-1.1306883	LOC1001902	XM_002194435.1
DM00554P1	0.3852403	-1.0491579	1.0252182	-1.075726	LOC1000180	XM_001366957.1
DM11795P3	0.38528067	1.1519662	-1.0230818	-1.0088747		
DM03789P1	0.38534603	1.2133064	1.1231891	1.2964777		
DM14414P1	0.38534674	-1.1290603	-1.051594	1.0862257		
DM05161P1	0.3853647	-1.0215105	-1.0812215	1.0444918	LOC1000622	XM_001493894.2
DM09894P3	0.38546222	-1.0375216	1.3590696	1.1084753		
DM03058P3	0.38562408	1.1185851	1.0094303	-1.1035545	HTATIP2	NM_001098522.1
DM01653P3	0.3859019	1.0278102	1.0775735	1.1240747	DANA\GF239	XM_001957596.1
DM08092P2	0.38597453	-1.1034771	1.0981612	1.0774202		
DM08629P4	0.38599414	1.3656548	1.4211662	-1.0526791		
DM14007P2	0.3862599	-1.0869874	1.0819472	-1.3446151		
DM02288P1	0.38634825	-1.0611134	-1.074466	1.0419573		
DM07631P1	0.3866797	1.0103875	-1.1392632	-1.0167363		
DM12559P2	0.3868592	-1.2140187	-1.7725952	-1.0272567		

DM10765P2	0.38700038	1.1336182	1.3202755	1.0220966		
DM10171P1	0.38703677	-1.2916765	1.1627548	-1.0331389		
DM13224P1	0.38703677	1.2330917	1.2867013	-1.0698586		
DM06515P3	0.3870719	1.0206143	1.5746609	-1.2645835		
DM06260P2	0.38721836	1.0219276	1.2059481	-1.0061021		
DM05182P2	0.38737336	1.1206049	-1.0393997	-1.0709494		
DM12466P2	0.38737515	1.1516604	-1.1895072	-1.3744687		
DM12634P1	0.38738433	1.6716834	2.407855	-1.0084785	COL-101	NM_067504.4
DM00066P1	0.38739228	-1.0267439	-1.0288596	-1.092781	LOC1000676	XM_001504717.2
DM11076P1	0.3878239	1.13025	1.2427521	-1.0600288		
DM06793P2	0.38806695	-1.0753955	1.0186307	-1.1230668		
DM05577P2	0.38822576	-1.0498874	-1.2883765	-1.334324		
DM13208P3	0.38831332	-1.0862736	1.2219869	-1.2170289		
DM02295P1	0.3884314	-1.1365919	1.1168809	1.106712	LOC1000165	XM_001366558.1
DM13448P1	0.38846028	-1.0988519	1.3959802	1.0514358		
DM03480P1	0.38853252	-1.1014203	1.1036556	1.089858	LOC1000680	XM_001497904.2
DM13786P1	0.38859537	1.0421427	1.428945	1.4170845		
DM09268P1	0.38878977	-1.1116533	-1.5377201	-1.3919029		
DM12042P2	0.3888064	1.1040944	1.2110822	1.0929081		
DM06676P2	0.3888447	1.1291893	-1.0785961	-1.0041502		
DM07993P1	0.3889636	-1.0148802	-1.008857	-1.0940306		
DM03858P2	0.3889768	1.042481	1.1046828	-1.07609	BRAFLDRAFT	XM_002586218.1
DM09308P2	0.38904244	1.4920517	-1.9505839	1.659389		
DM01871P3	0.38914096	-1.0889592	-1.0412263	-1.0829139	DSEC\GM113	XM_002041753.1
DM05377P3	0.38942236	1.0893774	1.0532144	-1.0246242		
DM14342P1	0.38942742	-1.285257	-1.0659122	-1.1625421		
DM02839P3	0.38944423	-1.1196078	-1.0288571	1.117244	CTSD	NM_131710.1
DM07914P3	0.3894956	-1.0891331	1.0892622	1.1093959	OSTLU_9300	XM_001418838.1
DM05264P2	0.3895499	-1.1751635	-1.0582314	-1.1143407		
DM12130P3	0.38960636	1.2554451	1.0165384	1.2446351		
DM14746P4	0.38968292	1.0495602	-1.2435827	1.360137		
DM03414P1	0.38984525	1.1562065	1.0712126	-1.1733971		
DM14883P1	0.39003846	-1.1879108	-1.0607958	-1.1315452		
DM04737P1	0.3901868	1.1173079	-1.7151116	-1.3180124		
DM00173P4	0.39028642	-1.0381649	-1.1364181	-1.1540062	LOC1001182	XM_001599275.1
DM08714P2	0.39034694	1.1171501	-1.0665237	1.0098675		
DM01559P4	0.39037812	-1.0778614	-1.1656537	-1.0395805	DMOJ\GI203	XM_002005123.1
DM01548P2	0.3904196	-1.1743734	-1.14058	-1.1039536	BETATUB56D	XM_002091745.1
DM13641P3	0.39043626	1.0339489	1.2033645	-1.387624		
DM03976P2	0.39052108	1.003079	1.1301368	-1.0360142	DWIL\GK232	XM_002074820.1
DM08508P1	0.39054048	1.0015016	1.0084876	-1.0575721		
DM01303P3	0.390555	1.1651076	1.3412136	-1.1212448		
DM14638P3	0.39061716	-1.0482032	-1.0773678	-1.0024618		
DM00161P1	0.39062533	1.0093962	-1.0372396	1.1092044	DMOJ\GI107	XM_002001338.1
DM11599P1	0.39069784	-1.0222524	-1.0354635	-1.2387809		
DM12897P1	0.3907029	-1.0765052	-1.1022347	-1.0265634		
DM02212P3	0.39072794	-1.1170732	1.0139742	1.030104	ARPC2	NM_001005634.1
DM04171P3	0.3907622	-1.0038729	-1.3309003	1.4559093		
DM12770P3	0.3909365	-1.0597343	1.1064328	-1.1845467		
DM07205P2	0.39108378	1.0089817	-1.1826869	-1.0805411	DWIL\GK141	XM_002073450.1

DM05397P3	0.39109704	1.0360931	-1.6091976	-1.0041951		
DM12582P2	0.39110482	1.012728	1.0408423	-1.1811785		
DM10130P1	0.39112788	1.1705801	1.1251394	-1.0721916		
DM13377P1	0.39132568	-1.0459635	1.0686634	-1.073212		
DM04279P3	0.39135563	1.1148689	1.1299728	1.0005625		
DM12845P2	0.391389	1.7267082	1.9906081	1.0607641		
DM07029P3	0.3914284	-1.0024744	1.0976908	1.2066182		
DM14664P1	0.39155734	-1.1057268	-1.0497206	1.0858079		
DM14134P3	0.39157256	1.5500911	4.3764677	1.2381054		
DM01681P2	0.3915911	-1.1657865	-1.0459294	-1.2647868	RPL30	XM_001650470.1
DM08154P1	0.3915971	-1.0651895	-1.0109861	-1.1282014		
DM10095P2	0.39179888	1.0808415	1.1295301	1.0628124		
DM02108P1	0.39187154	-1.1089969	-1.0496796	-1.1749338	TRIADDRAFT	XM_002107991.1
DM07602P2	0.3920231	1.0157602	-1.0211383	1.1536403		
DM01936P3	0.39205217	-1.0278801	-1.1111404	-1.1488101		
DM04091P2	0.39211434	1.6565466	1.6062347	-1.1769978		
DM10368P3	0.39212486	-1.0706227	-1.1169524	1.0105547		
DM13173P3	0.3921505	-1.0254127	-1.1152068	-1.1897831	LOC664351	XM_970362.2
DM02954P3	0.3921645	-1.2599534	-1.0212175	-1.081424	DPSE\GA180	XM_001359854.2
DM06344P2	0.3921683	-1.0532049	1.0580405	-1.30819	ISCW_ISWC	XM_002415853.1
DM03141P3	0.39235085	1.0725762	1.120916	1.387696	AQP4	NM_001009279.1
DM06675P2	0.39235595	-1.0867531	-1.2617722	1.1724153		
DM00032P1	0.39238757	1.1722754	1.3355888	-1.0436654	LOC1001546	XM_001925061.1
DM12023P3	0.39248762	1.1975149	1.0741242	1.0318509		
DM09696P2	0.39257163	-1.1837034	-1.2375418	1.2100911		
DM13322P1	0.39261547	-1.1586051	-1.0790484	1.1263735		
DM13270P3	0.39261693	-1.6764911	-1.2294036	-1.113559		
DM14497P1	0.39264622	-1.2047276	-1.0688272	-1.0198908		
DM01445P4	0.39277178	1.581014	1.7430766	-1.1062552		
DM10172P1	0.39287606	1.1022729	1.0360394	-1.0928195		
DM06727P3	0.39301366	1.0487598	1.0829368	-1.058598		
DM03276P3	0.3931841	1.0173225	-1.08666	-1.0672592	DMOJ\GI138	XM_002009120.1
DM01152P3	0.39327642	1.0998725	-1.0094155	-1.0301473	DPER\GL159	XM_002028591.1
DM11152P2	0.39336148	1.0187906	1.1772587	-1.2404406		
DM05950P4	0.39338717	-1.0785558	-1.0230601	-1.1111538		
DM00388P4	0.39345676	1.1058362	1.0968481	1.0208396	LOC1000197	XM_001372484.1
DM13020P1	0.39352125	1.0339432	-1.0974237	-1.4305723		
DM10384P1	0.39355588	1.1510711	-1.0632365	1.0717818		
DM11799P2	0.39367998	1.1448264	-1.026888	-1.0460256		
DM08983P3	0.39369166	-1.3138064	-1.9880402	-1.1970122		
DM11524P2	0.3938342	1.0375794	1.073721	1.4785622		
DM02020P4	0.39383656	1.9527452	-1.0865946	1.5669408		
DM04504P1	0.39389893	1.6240554	1.8001692	1.411254		
DM01826P1	0.394084	-1.0711874	-1.2492042	-1.0003433	LOC578277	XR_025987.1
DM09744P2	0.39433998	-1.0797402	-1.0137709	1.0301049		
DM11241P3	0.3944522	1.06758	1.197668	-1.1166811		
DM00507P1	0.3944794	-1.0584242	1.1082051	-1.0569489	LOC1000279	XM_001378042.1
DM10972P1	0.39452648	1.0247034	1.1425984	-1.0390905		
DM10691P1	0.39454582	-1.0529063	1.0659103	-1.1248382		
DM12199P3	0.39466232	-1.4201891	-1.9360849	-1.0834693		

DM10786P1	0.39469883	1.3131593	1.0591981	1.4506106		
DM04203P1	0.39470667	-1.0233355	-1.1244388	-1.0195732		
DM10520P1	0.39473626	1.0958776	-1.0106461	1.0527589		
DM14567P2	0.3947675	-1.2188131	-1.3792973	-1.1216028		
DM10140P2	0.39478683	1.0785528	-1.0495638	-1.0565414		
DM02490P2	0.39559823	1.069558	1.0868299	-1.0251596	LOC1000676	XM_001504717.2
DM12587P1	0.3956924	1.0588568	-1.0304705	-1.1030655		
DM09054P3	0.395712	-1.3827232	1.0345231	-1.118885		
DM15276P3	0.39597654	1.0208446	1.1401768	1.0437158		
DM12804P2	0.3960181	-1.0430055	1.0423651	-1.0344917		
DM13489P1	0.39620882	1.031485	1.212597	1.058499		
DM07426P2	0.3963388	-1.0779098	-1.2072326	-1.0615191		
DM08931P1	0.3967612	-1.0227871	-1.1328814	1.0552427		
DM13824P1	0.39677477	1.0515782	-1.0122254	1.2163931		
DM08827P2	0.39689738	1.1524956	-1.8935966	-1.0412624		
DM09073P1	0.39691976	-1.3678694	1.1150668	-1.0035821		
DM13534P2	0.3969289	-1.4078935	-1.7286136	-1.4525577	DVIR\GJ1866	XM_002055620.1
DM06022P1	0.3969619	-1.1867126	-1.1264818	-1.118915	LOC659426	XM_965734.1
DM09053P3	0.39705706	1.0904524	1.1631111	-1.0315328		
DM09716P3	0.39707574	-1.076371	1.0058184	1.1697794		
DM03144P1	0.397104	1.0697087	-1.1799157	1.0279948	DANA\GF244	XM_001956658.1
DM14166P2	0.3971236	1.2061006	1.2340333	1.2035934		
DM03767P2	0.3971421	1.2123379	1.0851673	1.0788559		
DM09576P3	0.39722812	-1.1837792	-1.1083413	-1.0975809		
DM10362P1	0.3974697	-1.0415044	-1.0620337	1.2240407		
DM02802P1	0.39768112	1.0105929	-1.009513	-1.1373552		
DM03102P2	0.39770773	-1.2235537	-1.2180326	-1.390939		
DM13838P2	0.3979418	1.2620558	1.3985369	-1.0133244		
DM11991P3	0.39803085	1.034689	-1.1639662	-1.0286518		
DM04815P2	0.39820957	-1.1651156	-1.4564381	1.2063735		
DM12540P2	0.39826617	1.014426	1.2105844	1.040554		
DM00989P1	0.39850157	-1.1057394	-1.3880295	1.1295068	ASS1	NM_013157.3
DM10628P3	0.39851737	1.0442277	1.2665955	1.3416296		
DM03892P2	0.39873394	-1.2165772	1.0135413	-1.136172		
DM02681P4	0.39881575	1.154165	1.048571	-1.0407729		
DM10548P2	0.39886963	-1.1375159	-1.1715806	1.0522817		
DM09892P3	0.39894652	1.120084	1.0732148	1.0869974		
DM07063P1	0.39915773	-1.111648	-1.1721237	1.1022233		
DM14565P1	0.39920244	1.5375925	1.7037127	-1.025645	CP17	NM_001172262.1
DM03171P1	0.3994165	1.0499686	1.2060118	1.1409385		
DM04942P1	0.39942554	-1.0604744	-1.0699263	-1.0986941		
DM05481P2	0.3995255	1.049269	1.1207311	-1.0704492		
DM08006P2	0.3996041	1.2591949	1.0731095	-1.0221713		
DM12251P4	0.39964998	1.4200827	1.7447067	1.1468729		
DM15148P2	0.39970616	-1.1231847	1.0245724	-1.0266759		
DM11489P1	0.39985204	1.1136223	-1.0812345	-1.2590165		
DM09277P1	0.40003428	-1.032818	1.0397751	-1.1105692		
DM13545P4	0.40006948	-1.1357557	-1.2439778	-1.2185104		
DM10254P1	0.40021086	1.1018645	-1.2427443	-1.124416	BRAFLDRAFT	XM_002599296.1
DM11016P1	0.4005138	-1.0671502	-1.1242198	-1.0954865	DWIL\GK105	XM_002074387.1



DM11165P1	0.40051842	-1.2888728	1.3122697	1.4636117		
DM11068P3	0.40067115	-1.2021062	-1.1868144	-1.2025816		
DM01780P2	0.40078628	-1.2341809	-1.0242612	-1.0728186	LOC1001202	XM_001607994.1
DM10230P1	0.40088114	-1.0386912	1.0999006	1.2832226	LOC1001690	XM_001946944.1
DM15068P3	0.4011693	1.0003228	-1.1859851	1.305003		
DM05980P2	0.40132812	-1.029507	-1.1403251	-1.08314		
DM13411P1	0.40136173	1.219408	1.4192842	1.6262618		
DM05686P2	0.40172645	1.019311	-1.0880326	1.089863		
DM09783P1	0.40173015	-1.0956961	1.0262079	1.0492454		
DM05124P3	0.4017514	-1.0901294	-1.1625696	-1.029003	ISCW_ISCWC	XM_002412535.1
DM13712P2	0.40194458	1.0638022	-1.0222602	-1.2108815		
DM08280P3	0.40195328	1.1252753	-1.0115352	-1.147296		
DM10048P2	0.4020143	-1.3616182	-1.0646714	1.0730698		
DM06989P1	0.4020616	1.0978618	1.5141479	1.1374979	RUT	NM_078601.2
DM13335P2	0.4021099	1.0445665	1.1185632	1.2878332		
DM14101P3	0.4021981	1.2248662	-1.0197643	-1.0902987		
DM12814P1	0.40229025	1.1007391	1.0112364	1.2825254		
DM14595P4	0.40230894	1.0281589	1.2118636	-1.3804841		
DM10178P3	0.40238386	-1.0689936	1.1609124	1.1045177		
DM01631P3	0.40241364	-1.0153743	1.0061418	-1.2508221	CYP1	XM_002100756.1
DM04794P3	0.40273848	-1.0484029	-1.0921692	-1.1258236		
DM08662P2	0.40294662	-1.0386671	-1.1150528	-1.2582302		
DM09466P3	0.4029594	1.1199652	1.0573658	1.205924		
DM03647P3	0.40299404	1.0033139	1.0169958	1.122405		
DM03909P2	0.40312055	1.2768979	1.2572912	1.5415368		
DM13872P3	0.40339887	1.1414349	-1.1101559	-1.1245695		
DM06233P1	0.4034087	1.2130967	1.1499691	1.0946995		
DM02216P3	0.40350342	1.324995	1.3647368	1.1670164	LOC552063	XM_624442.2
DM05157P2	0.40357852	-1.340286	1.0690118	-1.0097276		
DM02460P4	0.4035954	-1.0942106	-1.0543838	-1.1842948	DMOJ\GI242	XM_001998828.1
DM07657P3	0.4036145	1.7916605	2.104429	1.2591461		
DM04280P1	0.40375745	-1.1766206	-1.0266652	-1.1246741	LOC1001181	XM_001607804.1
DM14655P3	0.40375856	1.0660932	-1.063669	1.1621879		
DM05905P1	0.4037734	-1.0217038	1.0912936	-1.0517255	LOC1001674	XM_001946737.1
DM15174P2	0.40388116	-1.0669382	-1.1043895	-1.1447169		
DM05912P4	0.4039732	-1.350579	-1.1577227	-1.1005466	COPB1	XM_001504942.1
DM02014P1	0.40412608	-1.1052821	-1.0902458	1.1357142	ACTC1B	NM_131591.1
DM14656P2	0.4042443	1.0496657	1.229697	-1.001623		
DM06277P1	0.40452427	1.0989108	-1.1316627	-1.0622046		
DM06285P2	0.4045731	1.1212873	-1.0131783	1.2955996	DANA\GF153	XM_001962130.1
DM03898P3	0.4045811	1.0519704	1.0058328	-1.1201708	BRAFLDRAFT	XM_002601712.1
DM09101P3	0.40459466	-1.182243	-1.0004061	-1.4904695		
DM03185P3	0.40462384	-1.2009438	1.0198545	1.0721674	DHRS7B	NM_001078778.1
DM07066P1	0.4049196	1.0510647	-1.5608102	1.1013191		
DM11518P3	0.40492368	1.0904635	-1.2122785	1.1645668		
DM09059P3	0.40493205	-1.1420029	1.120886	-1.1850901		
DM02532P2	0.4050506	-1.0348763	-1.075408	-1.1243961	LOC724279	XR_014868.1
DM12009P3	0.40514654	-1.1132891	-1.2795333	-1.1086979		
DM03407P3	0.40528077	-1.0458982	-1.0514362	-1.1422397		
DM02309P3	0.405508	-1.0254446	1.0284557	-1.1332306	LOC1001662	XM_001951155.1

DM13552P2	0.4056602	1.1319821	-1.0918574	1.0195163		
DM05228P2	0.40573853	1.168286	-1.2146231	1.0814576		
DM02946P4	0.4057754	-1.1492007	-1.130378	-1.1483239	LOC552007	XM_624387.2
DM08525P1	0.4059574	-1.148662	1.0501709	-1.0131637		
DM11375P2	0.40595984	-1.1108481	-1.0567068	-1.2153083		
DM04354P3	0.40597025	-1.0332137	1.0681509	-1.126756	SMG	XM_001662946.1
DM13881P3	0.40597212	-1.1027712	-1.1730506	-1.1581919		
DM12699P2	0.40607488	-1.016685	-1.0512915	1.3816686		
DM06141P2	0.4061799	-1.2018178	1.1567354	-1.0291995		
DM03772P3	0.40623412	1.0108172	-1.1008703	-1.0352882		
DM06507P1	0.4062676	1.224548	1.2413191	-1.0181812		
DM04433P3	0.40637082	-1.0760341	-1.288124	-1.1125205		
DM05767P1	0.40650702	-1.116137	-1.0886488	-1.3140632		
DM12565P2	0.4065277	-1.0791038	-1.62143	1.1176602		
DM04824P2	0.40657744	-1.1536018	-1.1651676	1.242761		
DM06841P4	0.40661955	1.0046073	-1.1428616	1.1186935		
DM14535P3	0.40664023	1.1043497	1.2102361	1.0874835	LOC1000330	XM_001381919.1
DM15189P3	0.40677947	-1.2517546	-1.133629	-1.0796031		
DM12321P4	0.40681824	1.3288835	1.4159037	1.1473036		
DM02566P1	0.40683764	-1.1669899	1.1349822	1.2250559	LOC657776	XM_970882.2
DM13968P1	0.4069059	-1.128295	1.0067456	1.0761855		
DM11020P1	0.4071028	1.0251898	2.2153656	-1.1364117		
DM14745P1	0.40712854	1.1819005	1.2446716	1.4822946		
DM10563P3	0.4072082	-1.1159858	-1.0188724	-1.1229177		
DM03730P4	0.40740952	-1.2774556	-1.1384633	-1.4149882		
DM12962P2	0.40746623	-1.056303	1.2203103	-1.0967393		
DM08727P3	0.4075616	1.1880901	1.2024012	1.1260138		
DM05539P1	0.4075799	-1.0924592	-1.0499227	-1.1834203	LOC1001621	XM_001948045.1
DM00790P3	0.40766895	-1.0556304	1.1043824	1.0470725	LOC1001653	XM_001946629.1
DM08486P1	0.40772644	1.0985239	1.127373	-1.1444919		
DM13305P1	0.40780243	-1.0223552	1.1250829	-1.0315622		
DM11771P1	0.40805364	1.0568132	-1.4441947	-1.1678392		
DM04841P1	0.4080942	-1.0502589	-1.0941631	1.1095433	DSIM\GD211	XM_002104703.1
DM07855P1	0.4084902	1.1031952	1.4244208	1.2778136		
DM05404P2	0.40850347	-1.0684688	1.09277	1.0676053		
DM08664P2	0.40854198	1.1624917	-1.2140203	1.3807036		
DM02068P2	0.4086093	1.0221952	1.0150045	1.1421325	DLST	XM_001655890.1
DM10003P3	0.40865436	-1.4304852	1.1749699	-1.9590902		
DM09657P3	0.40866578	-1.049456	1.0295918	-1.1564331		
DM02360P4	0.40873516	1.2834078	1.0805266	1.1325204	DDC	XM_002067006.1
DM13204P3	0.40874806	1.0579429	-1.036764	1.0123736		
DM09830P2	0.4088354	-1.591782	1.0833555	-1.2666892		
DM15198P1	0.40888327	1.0649656	2.1425316	1.1989362	LOC1001657	NM_001134286.1
DM07352P1	0.4090034	1.1311182	1.0605656	1.2301672		
DM05886P1	0.40932062	-1.0079155	1.0656323	1.0686315		
DM12723P3	0.4094586	1.075959	1.0974745	1.1621386		
DM01798P3	0.40953687	-1.1198945	-1.1825621	-1.0076495	TUBA	XM_001663357.1
DM06819P3	0.40962696	-1.5099981	1.2676461	-1.2080555		
DM00082P2	0.40981373	-1.1159413	-1.1091464	1.0399696	NCU02003	XM_959775.2
DM08480P1	0.40986452	-1.1331393	1.1154141	1.2049719		

DM06291P2	0.410033	-1.0281562	-1.0901042	-1.230385		
DM13585P3	0.41006073	-1.1653332	1.2518373	1.083097		
DM12353P1	0.41008267	1.038648	-1.1190436	-1.090027		
DM07673P3	0.41023093	-1.0562128	1.0815499	-1.1331204		
DM13161P2	0.4103399	-1.3173184	-1.2109579	-1.2115685		
DM01340P3	0.41034082	1.1011968	-1.2686197	1.090589		
DM09652P1	0.41039822	-1.0393982	1.0278832	1.1308467		
DM07865P2	0.41047847	1.1243364	-1.2920114	-1.0323038		
DM05616P2	0.41059196	1.0566926	-1.2100484	-1.41566		
DM09340P1	0.41061354	1.1655402	1.1901342	1.2385606	FGFR2	NM_001144919.1
DM10409P1	0.4107811	1.3999304	1.3973083	1.554431		
DM08757P1	0.4108252	1.1204505	1.0795537	1.1559885		
DM14897P2	0.41100293	-1.0989109	1.1440722	1.277234		
DM07068P2	0.411079	1.1230192	1.5980603	1.0200061		
DM03723P1	0.41109437	1.5208414	1.9596612	1.0274274		
DM08307P1	0.41122788	1.5064701	1.1147805	1.2245132		
DM12625P3	0.41128612	1.2289277	1.0890361	-1.1103421		
DM14447P1	0.41156676	-1.2641289	-1.0001508	1.128699		
DM00133P3	0.4116081	1.1285075	1.063645	1.019568	LOC1001682	XM_001943348.1
DM08226P1	0.41166675	-1.0124608	-1.0403094	-1.347097		
DM09021P3	0.4116878	1.0598315	1.0617697	1.2013521		
DM11962P3	0.41171503	-1.0234597	-1.0931377	-1.0663462		
DM11992P1	0.4117891	1.1100694	1.0367898	-1.124575		
DM11461P1	0.41180396	1.0759422	1.1873089	-1.016047		
DM05258P1	0.41189814	-1.2044843	1.1901959	-1.3556671		
DM05552P2	0.41211212	3.2080352	-1.2974254	1.2709095		
DM11923P1	0.4121313	1.0230397	-1.1173043	1.3639529		
DM08977P2	0.41218454	-1.100987	-1.2525705	1.1632893		
DM04380P2	0.41219	1.112643	-1.0020788	1.1412002		
DM07858P1	0.41238302	1.0578216	-1.0776063	-1.0815486		
DM01643P2	0.41241857	-1.1277523	-1.1041844	-1.0882055	RPS27A	NM_001016172.2
DM10242P3	0.41263387	1.0989047	1.0566189	-1.0675719	LOC1001178	XM_001600877.1
DM03611P1	0.41264874	1.0647764	-1.7766113	1.1174994	AGAP_AGAP0	XM_312888.4
DM11508P2	0.41272196	1.0425444	-1.1661985	-1.1169207		
DM04018P3	0.41297278	-1.0561342	-1.1606525	1.0938575		
DM04231P2	0.41301912	1.112084	1.415905	1.0814586		
DM11079P1	0.4130743	1.1162201	-1.1083294	1.1213831		
DM14816P2	0.413131	-1.0548935	1.0234454	1.0907693		
DM00105P1	0.41313347	-1.0285456	-1.1101383	1.0986005	NEMVEDRAFT	XM_001639780.1
DM11872P2	0.41315907	-1.0825114	1.0074468	-1.0577892		
DM14293P2	0.4131945	1.1821167	1.2846864	-1.1002458		
DM01214P3	0.41322237	1.11128	1.0165839	-1.0326227		
DM06906P3	0.4133198	-1.0667613	-1.0405133	-1.1114287		
DM09615P1	0.41335183	1.2038244	1.4057387	1.3153899		
DM02315P3	0.413421	-1.064437	-1.1775692	-1.0959338	DSIM\GD157	XM_002107043.1
DM08754P4	0.41349038	1.0040711	1.0027277	1.8413664	T20B6.3	NM_065236.1
DM06201P1	0.41353655	-1.0829394	-1.0806862	-1.2351538	FKBP2	NM_001086024.1
DM03057P3	0.41380242	1.1253502	1.2059141	1.1815734		
DM00650P1	0.41401803	-1.0306712	1.1951479	1.1911352	LOC662963	XM_969031.2
DM09982P2	0.4141018	1.1963644	-1.1559905	1.2693598		

DM07103P2	0.41417897	1.0585675	1.1867514	1.0077447		
DM05266P3	0.41418803	-1.1026736	-1.1190034	-1.2001569		
DM09792P2	0.41421294	-1.0211006	-1.0942478	-1.1743915	ROBO2	XM_614756.4
DM14678P1	0.41435224	-1.11215	-1.0153192	-1.0767878		
DM04101P2	0.4143562	-1.1227883	-1.0794712	1.0908313		
DM13594P3	0.4143832	-1.057991	-1.2905256	-1.0081313		
DM08138P2	0.41444927	1.0280238	-1.1170763	1.077384		
DM10547P3	0.4145176	1.0613366	1.2127628	1.4066119		
DM07229P3	0.41453272	1.0009755	-1.0850964	-1.1682487		
DM12631P4	0.41458786	1.1353221	-1.0006955	-1.0939296		
DM00428P3	0.41470024	-1.2679747	-1.2800909	1.141666	DMOJ\GI1472	XM_002010320.1
DM12650P3	0.41473347	-1.0282321	1.028902	1.1046337		
DM08366P1	0.4147673	1.0428071	-1.0139328	-1.1151674		
DM06595P1	0.41478163	-1.162743	-1.1809883	-1.1661459	DWIL\GK1590	XM_002063835.1
DM05209P4	0.41486305	-1.008929	-1.0001396	-1.3531733		
DM10669P2	0.41493562	-1.1152706	1.0346098	-1.0784755		
DM09702P1	0.41505352	-1.2526201	-1.008525	-1.0874076		
DM11925P1	0.41518357	-1.3459482	1.0161223	-1.4992312		
DM10665P3	0.41518375	1.6147273	1.2253036	-1.0660679		
DM08783P1	0.41519395	1.0655495	-1.1581632	1.1063317		
DM14817P2	0.41547397	-1.203077	-1.0298911	1.0754427		
DM11551P2	0.4154893	-1.1375426	-1.0812497	-1.1212424		
DM10427P3	0.41549572	1.461441	1.9129665	1.3312469	CUTICLE PRO	XM_001659411.1
DM12193P3	0.41550404	1.0558987	-1.0430783	1.0598038		
DM08570P1	0.41559425	-1.0060968	1.3207213	1.2113587		
DM12782P1	0.4157961	-1.1037419	1.0300674	-1.2444253		
DM14971P1	0.41595393	-1.0085117	-1.3880827	-1.1398842		
DM05583P1	0.41596338	1.1141125	1.1724339	1.3207113		
DM06849P1	0.41596434	1.0234033	1.002655	1.3604041		
DM03612P1	0.41602302	1.1079897	-1.1410388	1.1839603		
DM05696P2	0.41620758	1.0345018	1.053546	-1.1581999		
DM01678P1	0.41622198	1.0158004	-1.0087454	1.0074496		
DM10046P1	0.41632366	1.2499076	1.4727324	1.5073816		
DM00996P3	0.41633275	-1.1341404	-1.2453102	-1.1510739	RDH12L	NM_001009912.1
DM12163P4	0.4164911	1.1800119	-1.124956	-1.0811086		
DM09439P2	0.41661632	1.3029875	1.386855	1.0784541		
DM01302P1	0.41662467	-1.0798054	1.0403492	-1.1233505	LOC591939	XM_001194311.1
DM06540P4	0.41662902	-1.1618915	-1.1886703	-1.0241302		
DM05341P1	0.41673777	1.063288	1.1574324	-1.1572491		
DM07637P4	0.4167806	-1.0709424	-1.03367	-1.0961765		
DM04961P3	0.41678572	1.0474453	-1.0593905	-1.0632278		
DM06058P3	0.41678837	-1.0057093	1.1685175	-1.2126378		
DM09023P2	0.41689718	-1.1140219	-1.1674807	1.0121412		
DM10269P4	0.41694096	-1.0372211	1.0235561	-1.1926149		
DM09728P1	0.4170325	1.0504055	-1.0618879	1.0653303		
DM08829P2	0.41731262	1.0033199	1.0586802	1.0304855		
DM11303P3	0.4174623	1.0916208	1.0349874	-1.0318968		
DM03093P1	0.4176579	1.04478	1.0099703	1.1799788	LOC725453	XM_001120307.1
DM03435P4	0.41774485	-1.0727371	-1.1080481	-1.1098356		
DM07979P4	0.4177513	-1.1265178	1.0226561	-1.0617568		

DM14174P1	0.41778985	-1.2134994	-1.1922117	1.0205003		
DM12615P4	0.41786066	1.2342166	1.1908752	1.0757009		
DM00966P3	0.417929	1.1025978	-1.2323196	1.0539201	DSIM\GD132	XM_002083536.1
DM01151P3	0.41792974	-1.0269331	-1.147893	-1.2253964	LOC1001675	XM_001948600.1
DM08971P1	0.4179776	-1.0942405	-1.1016061	-1.1828156		
DM05821P3	0.41801557	1.1613357	1.1142191	1.1935766		
DM07870P3	0.41804975	-1.0173981	-1.3082867	1.0117439		
DM10685P2	0.41808414	1.1050931	-1.0344888	-1.0775894		
DM06299P3	0.41834056	-1.0912848	1.0593269	-1.1326141		
DM08186P2	0.41846827	-1.1442924	1.0346396	1.0292298		
DM02887P4	0.41852832	-1.0554796	1.0485913	-1.061596		
DM00994P2	0.4185287	-1.0706402	-1.3777981	-1.1498208	SODIUM/CHL	XM_001660967.1
DM10295P2	0.41855797	-1.2886735	1.1153263	-1.2793905		
DM06256P4	0.41860604	-1.0560668	-1.081451	1.3125378		
DM02749P1	0.4187085	1.8549885	2.5045085	1.4973141		
DM15295P1	0.41872257	-1.0270935	1.0840777	-1.0771347	METTL5	NM_001114181.1
DM12883P2	0.4187705	1.205796	-1.2314403	1.5312046		
DM13198P1	0.41878265	-1.2771374	1.0155692	-1.170197		
DM12284P1	0.41880852	1.0498371	-1.0956223	1.1072317		
DM07903P3	0.4188165	-1.1771306	-1.014582	-1.0737163		
DM05916P2	0.41906068	-1.2328571	-1.3847965	-1.2120761		
DM12142P4	0.41911054	-1.0313041	-1.2008978	-1.0337529		
DM06341P1	0.41912574	-1.1258821	-1.3813646	-1.1020309	DNM1L	NM_005690.3
DM02432P3	0.4191362	1.2124997	-1.0569777	1.1124449		
DM09598P1	0.41920373	-1.0686291	-1.1267478	-1.0640633	DMOJ\GI154	XM_002009571.1
DM10356P3	0.41923723	-1.002873	-1.0600688	-1.0937817		
DM04974P2	0.41943038	1.3374814	1.3067434	1.166917		
DM08766P1	0.41944826	-1.1567616	1.0330337	1.253455		
DM04852P1	0.4194987	-1.1880372	-1.0414914	-1.1706874	CDC2	NM_001044047.1
DM04582P2	0.41953108	-1.0646409	-1.1664637	-1.0001329		
DM00820P3	0.41955334	-1.4647863	-1.1977487	-1.2173693		
DM09565P2	0.4195857	-1.0102365	-1.1382836	-1.2458497	ISCW_ISCWC	XM_002407091.1
DM02766P3	0.41959485	-1.0901458	1.0290972	1.212826	DANA\GF164	XM_001954893.1
DM14299P1	0.41964245	-1.2607514	-1.4180863	1.131903		
DM07994P2	0.4196773	1.0595566	1.1418833	-1.1098813		
DM10024P2	0.42000866	1.1118283	1.1902821	1.5546428		
DM08246P1	0.42008868	1.1271977	1.0941713	1.2780083		
DM02613P1	0.42068267	-1.0602984	-1.1315856	-1.1243732		
DM13779P1	0.42068627	-1.1660117	1.0317591	-1.0841161		
DM02118P1	0.42072594	1.0590768	-1.0655657	1.1170524	CG34417	NM_001103425.1
DM13533P1	0.42092243	-1.2024288	-1.2957078	-1.1867869		
DM00261P1	0.42099264	1.4087985	-1.0855271	1.0963817	VTG6	NM_001025189.1
DM10364P2	0.4210182	1.3137057	-1.3890892	1.4119838		
DM01488P3	0.4212184	1.040679	-1.029286	-1.1507297		
DM12877P1	0.4212837	1.186801	1.1313962	1.0764831		
DM02037P2	0.4213442	-1.0948095	-1.1338571	-1.1456897	RER1	NM_001093371.1
DM06742P2	0.42152178	-1.3324722	1.0394088	-5.1250916		
DM05036P4	0.42178366	1.0454344	1.0852815	-1.0091373		
DM14051P2	0.42189464	-1.1004045	-1.0234556	1.0729549		
DM08547P3	0.42192197	1.0134584	-1.4231714	-1.0632993		

DM04616P2	0.42214024	-1.0840539	1.5026659	1.2039142		
DM00088P1	0.42218497	-1.0547155	1.207656	-1.0315366	AGAP_AGAP0	XM_315369.4
DM00537P4	0.42235684	1.1670893	-1.0131195	-1.0467876	LOC661334	XM_967498.2
DM03299P1	0.42253357	1.0639824	-1.0729429	-1.1571463		
DM12635P3	0.42267245	-1.045141	-1.0586404	-1.2166569		
DM14673P1	0.4226799	-1.061429	1.4723489	1.0228263		
DM14821P2	0.4226931	-2.4135678	-1.0670604	-1.0656935		
DM08096P2	0.42270592	-1.78833	-1.1983066	-1.0057259		
DM08947P2	0.42274553	1.0458324	-1.3464595	1.2803298		
DM11353P1	0.42293385	-1.0551738	-1.0009018	1.0685282		
DM03498P2	0.42323497	1.126292	1.2148097	1.182306	LOC593529	XM_001179828.1
DM00283P3	0.42329434	-1.0399811	1.0287161	-1.0816638	LOC551386	XM_623781.2
DM07571P3	0.42338645	-1.1926091	-1.2891089	-1.5444713		
DM09888P4	0.42368054	1.2955635	1.2270039	1.6735109		
DM10307P2	0.4237219	1.1363648	-1.3833197	1.0432041		
DM08680P2	0.42374414	-1.0422333	1.136873	1.2304114		
DM03354P3	0.42394444	-1.0575055	1.0588757	1.0640223	PPP6C	NM_001017110.3
DM10622P3	0.42403647	1.2296385	-1.2119877	1.8852829		
DM13316P1	0.4241266	-1.4544969	1.3418435	-1.5186758	DMOJ\GI237	XM_001998158.1
DM05225P2	0.42414	-1.0491457	1.1657119	1.0141819		
DM03837P2	0.42431837	-1.1251407	-1.1461719	-1.1332421		
DM03573P2	0.42447147	-1.1263212	-1.2264746	-1.1906924		
DM02935P3	0.42449775	-1.0812528	-1.0804839	-1.003099	DMOJ\GI106	XM_002001190.1
DM02368P2	0.42455935	1.1446776	1.222994	1.2073691	UAP1	XM_513954.2
DM13931P3	0.42484188	-1.1728114	1.1216129	1.0645074		
DM04913P3	0.42488334	1.169336	-1.0094622	1.1723487		
DM10154P3	0.42500526	1.021356	1.061204	1.183148		
DM09256P1	0.42501697	1.0188901	-1.3641481	1.0234418		
DM09187P1	0.42504004	-1.0910699	-1.1451887	1.1787179		
DM14097P2	0.42504004	1.1613126	1.3667666	-1.0697818		
DM08484P2	0.42508343	1.0364388	-1.0099435	1.1331695		
DM13141P3	0.42516717	1.1344335	-1.106903	1.112229		
DM05330P2	0.42536792	-1.0533096	-1.0889693	-1.0215194		
DM10257P1	0.42544344	-1.1653513	-1.1983662	-1.1557093		
DM12194P1	0.4254442	-1.1270723	1.0553558	-1.1982256		
DM10040P1	0.42546535	-1.0078728	1.1656268	-1.0890478		
DM12670P1	0.42549685	-1.3916973	-1.004801	-1.7094773		
DM03668P1	0.42551896	-1.0223701	-1.0935682	1.1487308	BIN	XM_001858581.1
DM14540P4	0.42553952	-1.1457908	-1.0681723	-1.2058088		
DM11426P2	0.4255845	1.1607182	-1.0925369	-1.4975104		
DM08158P2	0.42568174	-1.1136215	-1.0021808	-1.0878896		
DM13559P1	0.42573577	-1.3970183	-1.7256142	-1.4110286		
DM01110P3	0.4257369	1.093614	1.291175	-1.067437	DANA\GF138	XM_001961267.1
DM03227P4	0.4257471	-1.1147	-1.0642122	1.1091157		
DM00406P1	0.42588094	1.1316851	1.1773527	1.0533348	LOC1000822	XM_001512905.1
DM04874P1	0.42597803	-1.055377	1.0762631	-1.2272625	LOC1001665	XM_001949252.1
DM06925P2	0.4260413	1.4760805	-1.0146202	1.6874619	AT1G63510	NR_022362.1
DM07150P3	0.42616925	1.2009438	-1.0252941	1.2483218		
DM02931P2	0.42648	-1.1380942	-1.081902	-1.0032116	MRPS25	XM_001654733.1
DM07945P1	0.42653352	1.1351796	-1.1351222	1.1305054		

DM03944P1	0.42662457	-1.0035607	1.2322867	-1.0491157	
DM04666P4	0.42667347	1.0561849	1.1326183	1.056664	
DM13625P2	0.42686275	-1.0036515	1.146826	-1.0777047	
DM11941P1	0.42701375	1.064425	1.0197556	1.0801936	
DM06395P4	0.42705268	1.14954	-1.084514	1.2917819	
DM14244P1	0.42707965	-1.0260034	1.0341545	-1.2489058	
DM07958P3	0.42721972	1.0252162	-1.0462165	1.1074947	
DM15053P3	0.42738196	-1.0315502	1.2210912	-1.2052779	
DM06373P4	0.4274988	-1.0785314	1.0295483	1.0737486	
DM15194P4	0.4275092	-1.1252942	-1.1550841	1.017802	
DM03440P2	0.42758688	1.0280373	1.1674968	-1.0513531	
DM05659P1	0.42760754	1.1387134	1.0576532	1.0385185	
DM09558P4	0.42760754	1.0978854	-1.0470917	-1.1548684	
DM07489P1	0.42773113	1.0727576	-1.0452162	1.0714217	
DM05109P2	0.4278044	-1.0155525	-1.3079702	-1.0001394	
DM02540P3	0.4278644	1.2988273	1.0979578	1.25822	
DM02437P3	0.42796916	1.0578833	1.4441074	-1.0733064	CPIPJ_CPIJOC XM_001846432.1
DM05843P2	0.42816848	-1.0871527	-1.2253543	-1.337876	STEROID DEF XM_001653839.1
DM13740P3	0.4281702	-1.0554045	1.1278762	1.2244672	
DM06638P3	0.42823583	1.0834143	1.0234092	1.227964	
DM02918P2	0.42837092	1.0622582	-1.0608127	-1.2083125	LOC1000216: XM_001373725.1
DM13576P1	0.4283935	1.102061	-1.2580602	-1.2192074	
DM00156P3	0.42845762	-1.0634611	-1.1068113	-1.1336926	LOC1000274: XM_001377686.1
DM03505P2	0.42847112	1.1058704	1.4127067	-1.0400696	
DM09812P1	0.42850608	1.0989447	1.3424047	-1.0067947	
DM04138P3	0.42855185	-1.232039	-1.4114151	-1.2179377	
DM04361P3	0.4286142	-1.0837188	-1.3827958	-1.0745299	
DM14855P1	0.42861846	-1.2607757	1.0312597	-1.0861588	
DM00374P1	0.42864433	1.5741194	1.6426034	-1.0734756	VARS XM_001855829.1
DM09250P3	0.42888153	-1.06567	1.0089017	1.3489225	
DM13809P2	0.42891747	-1.3780427	-1.2483162	1.0156761	
DM00270P1	0.4290071	1.0464748	-1.1630439	-1.1708493	DWIL\GK172: XM_002061817.1
DM13396P1	0.42902374	-1.0668148	-1.0326283	1.0927916	
DM12573P2	0.42944282	1.1566954	1.0597737	-1.0364813	
DM04501P3	0.4295453	-1.3359965	-1.2802217	-1.249193	AGAP_AGAP0 XM_318686.3
DM00644P1	0.42957607	-1.0073802	-1.0566219	-1.2124712	LOC1001663: XM_001946703.1
DM01146P3	0.429583	1.0192786	1.1530182	1.0047276	LOC411122 XM_394596.3
DM06704P2	0.4295923	1.2079386	1.4302307	1.121388	
DM08364P1	0.4296598	-1.0295526	-1.7841218	1.3689489	
DM15343P3	0.4297573	-1.0777915	-1.4132544	1.1022234	
DM02586P1	0.4301908	1.2721746	1.1680244	1.3894295	TFPI NM_001003243.1
DM13029P3	0.43034822	-1.3453566	-1.0969404	1.0557989	
DM14581P1	0.43038422	1.1875718	1.1526648	1.1718549	
DM12681P1	0.43050912	1.1519667	1.0568223	-1.2221962	
DM05451P2	0.43085825	1.0147011	-1.022652	1.1198595	
DM05028P3	0.43087858	1.142257	1.0976385	-1.0257257	
DM06576P3	0.43089777	-1.1786026	-1.1251872	-1.1990159	
DM09040P2	0.4309288	1.1197014	-1.148557	-1.0109727	
DM09334P3	0.4309501	1.0296146	-1.0795808	-1.1822757	
DM03235P2	0.43099487	1.2329862	1.0723147	1.081504	

DM06095P2	0.4312052	1.3025911	-1.0464454	1.0281128		
DM15071P2	0.4312568	1.1047109	1.0339795	1.3360603		
DM08562P1	0.4312952	1.1246628	1.081527	1.4113084	ARID1B	XM_518822.2
DM06564P1	0.431359	-1.4955697	-1.2403605	-1.383903		
DM07778P3	0.43137276	1.071896	1.0863761	-1.0439302		
DM09770P1	0.43137375	-1.0208075	-1.2013229	-1.1333207		
DM12500P2	0.43140012	1.013678	-1.0155028	1.1179419		
DM02426P2	0.43151745	1.0206996	1.2243427	1.0231105	LOC551401	XM_623795.1
DM06789P3	0.4316238	1.0775425	-1.2441491	1.2999691		
DM04788P3	0.4316486	1.0074077	-1.0268883	-1.205568		
DM02286P2	0.4316653	1.0085106	1.0092107	1.0516758		
DM06899P2	0.43169886	1.0611244	1.1608584	1.2331326		
DM05668P4	0.43170023	1.2422619	1.0986383	1.3075612		
DM09296P1	0.43179917	-1.0163103	-1.0968056	1.1133324		
DM01177P2	0.43181646	1.2143314	1.106188	1.1473528	POPTRDRAFT	XM_002307652.1
DM04199P3	0.43210375	1.2211777	-1.0644106	-1.3022003		
DM06847P2	0.43213326	1.1135525	1.1313094	1.37575		
DM12755P1	0.43229657	1.5357317	1.1973053	2.1691666		
DM14034P3	0.43244362	-1.0784929	-1.0245107	1.2021476		
DM10261P2	0.43246228	-1.123232	-1.2472459	-1.080978		
DM05831P3	0.43250364	-1.0403259	1.0229347	-1.0411888	DWIL\GK159	XM_002063924.1
DM05292P3	0.4325736	1.1991258	1.4232637	-1.0633996		
DM05313P3	0.4326082	1.3376853	1.2613612	1.1569326		
DM06206P1	0.4328064	1.0214038	-1.047462	1.1444299		
DM03352P1	0.43281516	-1.0703881	1.169037	-1.0709945	SNRPA1	XM_843830.1
DM04434P4	0.43289545	-1.1479737	-1.0439872	-1.0567133		
DM00242P1	0.4329977	1.0548024	-1.0004845	-1.1552148	UBE2F	NM_080678.1
DM06401P4	0.43301597	-1.1248063	1.1562384	1.166792	DMOJ\GI120	XM_002008065.1
DM14119P4	0.43321627	-1.0894777	1.2028224	-1.0382372		
DM11074P4	0.43323183	-1.0140809	1.1405678	-1.0303432		
DM09125P2	0.43335205	1.0571647	-1.2898151	1.0711662		
DM02727P3	0.4333643	1.0928485	4.3543816	1.2277397		
DM02819P1	0.43339	-1.0972836	-1.3252537	1.1269897	LOC763367	XM_001199309.1
DM00750P2	0.43342462	1.1067761	-1.1956661	-1.3147091	GLI	XM_396706.2
DM03110P3	0.43351644	-1.030079	1.4842117	1.069188	LOC1000266	XM_001370655.1
DM07866P3	0.43362367	1.1620431	1.0048265	1.1233956		
DM06986P3	0.4337029	-1.0544742	1.2883776	1.2128209		
DM05348P3	0.43412265	-1.0098318	1.0322781	-1.1177601		
DM08942P2	0.4342851	-1.0643688	1.3328754	1.1814656		
DM04756P3	0.43436325	-1.0110317	-1.004761	-1.1406709		
DM02821P3	0.4345351	1.0007343	1.1356244	-1.0011412	BRAFLDRAFT	XM_002591587.1
DM15014P3	0.43460312	-1.0677255	1.2374489	1.1092577		
DM01304P2	0.4346614	1.0588984	1.1548319	1.0815074	GOT1	NM_001135449.2
DM00529P2	0.43469745	1.1049302	-1.0534718	-1.0415365	DPER\GL227	XM_002024028.1
DM03975P4	0.4348041	-1.0555553	-1.6370257	1.0924723	DVIR\GJ1730	XM_002051952.1
DM11456P4	0.43480664	-1.0913134	-1.000945	-1.0050548		
DM05363P3	0.43484017	1.0355599	1.0190735	-1.0885818		
DM06821P2	0.4350459	-1.1342221	-1.095889	1.1027507		
DM14769P1	0.43508002	-1.2391084	-1.3864759	-1.0980737		
DM06914P2	0.4351479	1.5416706	2.024857	1.0658975	BRAFLDRAFT	XM_002604417.1



DM01385P3	0.43527004	-1.1569606	-1.204951	-1.1224276	LOC1000296	XM_001379321.1
DM03799P1	0.4353042	1.129659	-1.0193148	-1.0355198		
DM13760P1	0.43538654	-1.0973649	1.0626663	1.128608	DERE\GG183	XM_001977149.1
DM01665P1	0.43552938	-1.089176	-1.1254356	-1.0161349	LOC1001206	XM_001604184.1
DM08921P3	0.43558854	-1.2226918	1.0043015	1.0278407		
DM05166P1	0.4357248	-1.0885543	-1.0664507	-1.0009142		
DM11344P3	0.43578142	1.1437817	1.037587	-1.0902195		
DM00530P4	0.4358099	1.1331618	1.1438469	1.1614531	CCNB3	NM_001140296.1
DM05068P3	0.435815	-1.1236511	-1.0628463	-1.1429431		
DM03470P3	0.43582067	-1.077329	-1.0912573	-1.2869794	SEC13	NM_024206.4
DM12170P3	0.43585736	1.0720081	-2.0085106	1.2260146		
DM14115P3	0.4360855	-1.157864	1.0936416	1.0904635		
DM01261P3	0.43612573	-1.0560079	-1.3606097	-1.5259886		
DM03207P2	0.43612847	-1.0660585	-1.0985398	-1.0347153		
DM05650P3	0.43635532	-1.2839986	-1.0868661	1.0267278		
DM08458P1	0.4363948	-1.0564173	-1.0103719	-1.1300526		
DM03290P1	0.43679243	1.1268613	-1.119361	1.1267388	LOC1001234	XM_001607040.1
DM09474P1	0.43684095	1.067103	-1.2217684	-1.126782		
DM07561P1	0.4368908	1.0559512	1.0906476	1.127002		
DM11114P3	0.43700504	1.0525495	1.0446839	-1.2775279		
DM12657P3	0.43706256	-1.0929471	-1.1185938	-1.0815307		
DM03234P3	0.43714395	-1.1341717	1.0393666	-1.0873541	BRAFLDRAFT	XM_002593837.1
DM00940P2	0.43745863	1.3997273	1.2439109	1.2247127	NEMVEDRAFT	XM_001628059.1
DM06883P1	0.43757805	-1.25671	-1.041952	1.1667225		
DM06152P2	0.4377678	-1.0204684	-1.0632964	-1.0982212	LOC1001140	XM_001600497.1
DM14202P4	0.437853	-1.025506	-1.1166786	1.1568148		
DM06993P4	0.4380058	-1.0396017	-1.0172664	-1.4857777		
DM02906P1	0.43818	1.0917853	-1.017617	1.0059011		
DM05362P4	0.43828917	1.0447443	-1.078459	-1.004573	PCMT1	NM_001030445.1
DM09330P1	0.43848166	-1.146449	-1.1766537	-1.1287953		
DM06813P2	0.4385493	-1.0665476	-1.547581	1.0008432		
DM02119P1	0.4386148	-1.0372168	-1.0260117	-1.184561	TIF213	NM_001021805.1
DM08594P1	0.43866655	-1.0405856	-1.0183468	1.0937469		
DM06265P1	0.43879756	-1.2106134	-1.3552096	-1.1292126		
DM04123P1	0.4388221	1.0235136	-1.1116589	-1.0492407	DWIL\GK140	XM_002073271.1
DM04765P2	0.43895432	-1.2279721	-1.5517937	-1.0503819		
DM05316P1	0.4390185	1.1977046	1.1189574	-1.2074383		
DM12656P1	0.4390591	1.2236966	1.135416	1.0720006		
DM04621P1	0.43908167	-1.0415335	-1.0181078	1.1604496	CAMKII	NM_001169362.1
DM07323P4	0.43921277	-1.0040487	1.0522265	-1.2321508		
DM11373P4	0.4392465	-1.076651	-1.2277083	-1.2202218		
DM00970P1	0.43934035	1.0972066	1.0204744	-1.0041645	DPSE\GA172	XM_001358864.2
DM04173P2	0.4394972	1.8738457	1.0867878	-1.282206		
DM08344P1	0.43953964	-1.050928	-1.0128595	1.2663264		
DM01699P4	0.4398537	1.0642209	1.1209697	-1.4821383	ABAT	XM_001656098.1
DM12302P1	0.43987924	1.2168359	1.61574	-1.2559813		
DM13973P1	0.43994546	-1.1030436	-1.0761031	-1.1858104		
DM14493P1	0.44004035	-1.1827052	-1.2562677	-1.2327132		
DM07748P1	0.4401445	-1.069897	-1.2143734	-1.0202355		
DM03844P1	0.44023043	-1.0046656	1.2175624	1.2690226	DVIR\GJ1464	XM_002051138.1

DM14384P1	0.4402786	1.3861425	1.3773749	-1.0431783		
DM09907P1	0.44041717	-1.0701891	1.1031852	1.1152624		
DM03756P3	0.44042996	-1.0877928	-1.153411	-1.1105411	BRAFLDRAFT_XM_002596776.1	
DM13902P1	0.44055188	1.061121	1.19569	1.0916715		
DM02820P2	0.44058847	-1.0324479	-1.0828568	1.1255933	TRIADDRAFT_XM_002108241.1	
DM06536P3	0.44063175	1.2213608	-1.0388268	-1.0077379	DSEC\GM175_XM_002042688.1	
DM03869P1	0.44083378	1.1222416	-1.1162645	-1.0389951		
DM02314P3	0.4413008	-1.2595043	-1.1149988	1.0413429	DWIL\GK156_XM_002063936.1	
DM06342P1	0.4413014	1.0501202	-1.1226546	-1.0171825		
DM06452P2	0.44130474	-1.6398813	-1.2718487	-1.2291945	T-CP1	NM_079726.3
DM12919P2	0.44138116	-1.005442	1.1883435	1.1297823		
DM07442P3	0.44139394	-1.1265651	1.0852841	1.0311128		
DM08023P1	0.44156724	-1.2862872	-1.0758058	1.1993195		
DM12307P1	0.44166082	-1.0926923	-1.042253	1.0062639		
DM09930P1	0.44166455	1.1029688	1.7132933	-1.2842886		
DM09512P3	0.44173726	-1.0068065	1.0726626	-1.1729999		
DM09001P1	0.441862	1.0881499	-1.0867369	-1.0574586		
DM00424P2	0.441887	-1.0225525	-1.0365288	-1.086639	CAD	NM_023525.1
DM14386P1	0.4420017	-1.1299523	-1.0890404	1.0078938		
DM03802P1	0.44209078	-1.0869247	1.0416403	-1.0454588	ISCW_ISWC_XM_002401506.1	
DM02877P2	0.44241908	-1.2769802	-1.267493	-1.1561162		
DM03962P1	0.44259855	-1.149439	1.0291607	-1.2134432		
DM03270P3	0.4428446	-1.0748225	-1.0721887	1.0107561	AGAP_AGAP0_XM_316844.4	
DM08960P1	0.44303465	-1.1391114	-1.0360343	1.0419328		
DM01204P1	0.44325873	-1.1766149	-1.0946801	-1.1245826	DERE\GG229_XM_001976532.1	
DM14378P2	0.4432619	-1.0519855	-1.2491477	-1.3680325		
DM05094P2	0.44336557	1.0382572	1.1599683	-1.0351547		
DM06790P1	0.44339857	-1.2339933	-1.3889226	-1.346016		
DM07592P3	0.44345564	1.0407364	-1.1107088	-1.213238		
DM14528P3	0.44347164	-1.1381177	-1.0279952	1.1000496		
DM10960P3	0.44348723	1.8670615	1.9586833	1.1175668		
DM03193P4	0.4436269	1.0523274	1.0372161	1.111104	LOC1000663_XM_001496073.1	
DM04259P2	0.44364923	1.1065812	1.0904748	1.4122685		
DM12236P1	0.4436508	1.2531458	1.4790268	1.2637271		
DM10008P3	0.44370595	-1.0860369	1.1407727	-1.1339009		
DM05694P1	0.4437822	1.0311372	1.0467074	-1.2054296		
DM12041P1	0.44411546	1.0087479	-1.0909446	1.0986776		
DM11496P3	0.4441912	1.0841832	-1.3366106	-1.0412383		
DM11544P1	0.44424063	-1.0601702	-1.000436	1.0591931		
DM09874P3	0.4443221	-1.1050171	1.0288622	1.0074861		
DM07035P3	0.44441903	1.0260645	1.3619765	1.2831728		
DM13294P2	0.44443366	-1.0718287	-1.0025853	1.013739		
DM01556P2	0.44445303	-1.0038009	-1.0027497	-1.0469725		
DM04880P1	0.44450626	-1.148296	-1.2055247	-1.1645614		
DM11694P3	0.44471222	-1.1722958	-1.3362747	-1.3119563		
DM11264P1	0.44473597	-1.0584484	-1.1604875	-1.0044606		
DM08282P2	0.44479197	-1.0339231	1.0803332	1.1234243		
DM04680P3	0.44480997	1.0654975	1.0049272	-1.0640956	LOC725319_XM_001121179.1	
DM13497P2	0.44484958	1.0752941	-1.0617311	-1.2825874		
DM15098P1	0.44502714	1.040369	-1.0403211	1.1678175		

DM09112P1	0.4452883	1.2608998	1.0797496	1.2096276		
DM04590P2	0.44532117	-1.0766416	-1.1882962	-1.112299	RGL	NM_079958.2
DM00837P3	0.44540617	1.027591	1.1007756	1.0550199	BM1_27545	XM_001896925.1
DM11238P3	0.44551116	1.0702701	-1.1221477	-1.0680165	LOC1002177:	XM_002189127.1
DM08762P1	0.44555354	-1.0196598	-1.0257531	1.2743788		
DM04886P2	0.44566116	-1.0557274	-1.0576848	-1.0640898		
DM00788P3	0.44567165	-1.0439813	-1.0833237	1.0037311	LOC1001610	XM_001944502.1
DM00646P2	0.4460566	1.122444	1.0621924	1.0606287	DVIR\GJ1812	XM_002057389.1
DM08709P2	0.4461028	-1.0503353	-1.1572129	1.0241449		
DM11192P4	0.4461129	-1.119658	-1.221299	-1.1826587		
DM00698P2	0.4461149	-1.1184852	1.0399168	1.1233177	DVIR\GJ1812	XM_002057393.1
DM08779P2	0.44619697	1.854156	2.3236814	1.3095415	RPL19	NM_001043756.4
DM09210P3	0.4462884	1.0271544	1.6378108	1.0637687		
DM10338P1	0.44629258	-1.1977452	-1.1736863	-1.5942566		
DM06866P3	0.44635367	-1.1348456	-1.0025823	1.0949242		
DM01723P1	0.4463634	1.0496266	1.1326985	1.2209345	DGRI\GH228	XM_001994985.1
DM10480P2	0.44649234	-1.0329922	1.1857195	-1.395861		
DM07333P3	0.44653141	1.0478374	1.07561	1.0442963	PKH_094500	XM_002259441.1
DM00092P3	0.4466362	1.0001862	-1.1839774	1.0491594		
DM13058P2	0.44664374	1.0717369	-1.0647571	1.169091		
DM01139P2	0.44665605	1.6004443	-1.1041119	1.0180879	LOC1000128	XM_001367182.1
DM08338P1	0.44674695	-1.0836675	1.0224868	1.4270825		
DM05865P2	0.44678882	-1.0248828	-1.0995443	-1.1238266	DPYD	NM_174041.2
DM02988P3	0.44698834	-1.0963358	1.0197586	-1.0370585		
DM01550P1	0.44707054	-1.1056336	-1.0741488	1.0101912	ATPSYN-BET	XM_001656687.1
DM11125P3	0.44710866	-1.067109	-1.4427128	-1.2263291		
DM00227P2	0.44722545	-1.2435764	-1.0993924	-1.3381542	DANA\GF138	XM_001961305.1
DM10318P2	0.44727826	-1.3669155	-1.4012078	1.0221076		
DM08169P4	0.44742447	1.2985278	1.5465858	1.7964814		
DM02038P1	0.44756377	1.4300627	1.9387258	1.002685		
DM06774P2	0.4475735	-1.5903751	-1.3603519	-1.4371064		
DM02627P2	0.44764125	-1.1488186	1.0447017	1.3444479	SI	NM_001082266.1
DM03268P4	0.44769454	1.0639515	-1.1845226	-1.1451575		
DM00582P3	0.44777045	-1.0122292	-1.4402512	-1.2549336	LOC1001174	XM_001601647.1
DM06660P2	0.44811562	-1.0622323	1.0041711	-1.1402334		
DM11428P3	0.4484496	1.2668712	1.0780219	-1.1610279		
DM13763P1	0.44846633	-1.1838753	-1.1369375	1.2616684		
DM13426P2	0.44853795	1.0708152	-1.270347	-1.0215659		
DM03258P3	0.44855228	1.1497804	1.0165827	1.0641015	LOC583809	XM_001192701.1
DM08867P3	0.44860163	-1.1861268	-1.1019917	-1.1578841		
DM10662P4	0.44869578	1.0342627	1.0891881	-1.0257198	TB927.7.717	(XM_841244.1
DM00839P4	0.44879967	1.2649192	-1.0102041	1.1714864	LOC1000818	XM_001512529.1
DM09198P3	0.44891715	-1.0487338	1.1029058	-1.1157465		
DM09133P1	0.44891736	1.1339313	1.4691513	1.0205321		
DM09692P3	0.44894025	-1.0462373	1.1493784	1.1687217		
DM08181P1	0.4489488	-1.0873369	-1.0283808	1.1554722		
DM14114P2	0.44940493	-1.2688184	-1.0808629	-1.3745193		
DM06601P3	0.4495765	1.1626086	1.1557531	1.1788661		
DM01129P1	0.4495813	1.1715044	1.0479872	-1.1046886	OSBPL11	XM_853156.1
DM09563P2	0.44959205	1.2821043	1.122777	-1.0314085		

DM07917P2	0.44969967	1.3181248	-1.1361938	1.2290643	
DM08025P1	0.44973177	1.0075388	1.119777	1.644688	
DM11246P3	0.44981888	-1.1224482	-1.0604011	-1.2533691	
DM03063P4	0.44988766	-1.0387526	1.0223175	-1.062454	DYAK\GE190\XM_002089282.1
DM06537P1	0.4500769	-1.0050416	-1.2294432	1.3203472	
DM02198P3	0.45010403	-1.1444521	-1.1621594	1.0170441	
DM00035P2	0.45012897	-1.1643926	-1.0786482	-1.2296485	TRIADDRAFT_XM_002110196.1
DM03316P1	0.45013097	-1.3406543	-1.0083653	-1.080349	DWIL\GK244\XM_002066602.1
DM13409P1	0.4501886	-1.0985848	-1.1081458	1.0951376	
DM00909P3	0.45033923	-1.2032906	-1.1259898	-1.134771	IDH XM_001650625.1
DM00277P1	0.45045617	-1.1357492	-1.163695	-1.0302157	DPSE\GA208\XM_001362050.2
DM04588P2	0.4505817	1.0706491	1.2626162	1.1765716	
DM00143P1	0.4506214	1.013315	-1.0739225	-1.3307056	DVIR\GJ2217 XM_002050441.1
DM09429P1	0.45064238	1.166488	-1.1468208	-1.4398489	
DM06427P1	0.45068407	-1.1500938	-1.5002279	-1.0150092	
DM07060P1	0.45069626	1.1021373	-1.0640005	-1.0214324	
DM13109P3	0.45076513	-1.0573812	-1.4749243	-1.1558734	AAEL_AAELOC XM_001655217.1
DM14033P2	0.4507925	-1.1344544	-1.1099714	-1.0977292	
DM01532P1	0.45086774	-1.1463766	-1.2186408	-1.3616513	LOC1001214\XM_001605031.1
DM06270P1	0.45087555	-1.2527839	-1.0720253	-1.0683196	
DM04668P3	0.45094723	-1.0579165	1.1362898	1.357973	
DM09459P1	0.45104268	1.0778378	1.0093309	-1.2565202	
DM07946P1	0.45157573	-1.0826598	-1.0077773	-1.1193118	
DM14284P1	0.45159492	1.2260174	1.2820607	1.233471	
DM07719P2	0.4516705	1.0065373	4.220605	1.1071217	
DM09915P1	0.45170987	-1.0845412	-1.2443483	-1.1186215	
DM01677P2	0.45174366	-1.1161733	-1.0000466	1.0337663	DMOJ\GI116\XM_002008745.1
DM04243P2	0.45180902	-1.11623	-1.0129768	-1.0994828	
DM11975P3	0.45181623	-1.0259887	-1.0085101	-1.1050084	
DM05866P2	0.4519336	-1.0492076	1.0475729	1.1306362	LOC661233 XM_967408.2
DM14847P1	0.452068	-1.0259706	-1.0881112	1.1440973	
DM04981P1	0.45222723	-1.0791131	1.0122086	1.0510317	
DM01669P3	0.45226446	-1.0677067	-1.1001886	1.1039634	DSEC\GM103 XM_002041434.1
DM12094P1	0.45246693	-1.0218148	-1.2220911	-1.1941669	
DM10869P2	0.45247796	1.0346531	1.1150889	-1.1398171	
DM02600P1	0.45251498	-1.0852488	-1.153749	1.018031	DSEC\GM265 XM_002032340.1
DM14483P1	0.4525386	-1.0255033	1.0433666	-1.0248643	
DM08824P1	0.45258683	-1.035648	1.243669	-1.0486544	
DM04721P2	0.45322683	1.0000488	1.009833	1.1220784	
DM03931P3	0.45334926	1.3643869	1.136768	1.3089986	PB103351.00 XM_666562.1
DM03105P3	0.45344365	1.1556431	1.1536976	1.0926104	ACSBG1 NM_001128023.1
DM13000P2	0.45347032	1.0224726	1.0769013	-1.130614	
DM06748P1	0.45366335	1.0728036	-1.0437076	-1.0107422	
DM03259P1	0.45367417	1.1111157	1.1351575	1.0044234	DGRI\GH222\XM_001996243.1
DM00375P2	0.45411596	-1.007645	-1.0400077	-1.0548728	BM1_05170 XM_001892474.1
DM08027P3	0.45420885	1.3054382	1.6422569	1.651963	
DM12875P1	0.45433185	-1.1098515	-1.2666951	-1.2459097	
DM11955P4	0.45435512	1.1865759	1.201778	1.0098028	TBX15 NM_153664.1
DM05826P3	0.4543864	1.0402907	1.1687067	1.2564256	
DM08540P3	0.45453474	1.1498196	1.2373908	1.1239209	

DM13709P1	0.4546038	1.0607079	-1.1934818	1.1591767	LOC661917	XM_968047.2
DM11758P1	0.45476863	-1.0995525	1.007995	1.0028269		
DM10390P2	0.45494413	1.2649457	1.0296825	-1.0431579		
DM08773P1	0.45498088	1.1023352	1.0975932	-1.1928711		
DM09886P1	0.4550566	1.0012594	1.68922	-1.1025715	MDH2	NM_031151.2
DM06008P3	0.45512712	1.0470432	1.0897317	-1.0991757		
DM08528P1	0.455189	1.2271721	1.0452135	1.2560058		
DM00771P1	0.4552155	-1.111781	1.1271747	-1.022601	DUT	NM_001079488.1
DM14435P3	0.4552794	1.1056801	-1.2618397	-1.0908303	LOC1003015	(NM_001160204.1
DM02712P3	0.4552973	-1.1478522	-1.0113367	1.1941311		
DM04739P4	0.45534754	1.2180035	1.2047175	1.0880007		
DM01374P1	0.45543453	1.0275916	1.0619673	-1.2582222	AGAP_AGAP0	XM_317149.4
DM01896P4	0.45555654	1.1470463	1.1588147	1.3312497	LOC1001748	(NM_001130902.1
DM13041P1	0.4557021	1.0315039	-1.018885	1.121427		
DM00893P2	0.45579156	-1.0227358	-1.0368026	1.0311431		
DM01059P3	0.4558861	-1.2189583	-1.0998721	-1.0592933	HSP90AA1	NM_001163955.1
DM11408P1	0.4560814	-1.0656295	-1.3435307	-1.0269216	LOC1001192	(XM_001603018.1
DM03106P1	0.45611942	-1.1692537	-1.0996909	-1.2183505	DPER\GL179	(XM_002024751.1
DM04052P2	0.45619628	1.3004332	1.3296932	1.0809147		
DM11048P2	0.45630553	-1.1055274	-1.1347879	-1.1389258		
DM12800P1	0.4563691	-1.0033937	1.08743	1.0741647		
DM09297P1	0.45638904	1.4165276	1.3079302	1.3001046		
DM04427P3	0.4564498	1.1687986	1.0017718	1.5076327		
DM09780P1	0.45650396	1.0416765	-1.0403358	-1.0701975		
DM12091P3	0.4565571	1.1627998	1.0180197	1.0704886		
DM00238P2	0.4566769	-1.0046384	-1.2153053	-1.1164309	DWIL\GK119	(XM_002070205.1
DM00072P2	0.45669097	1.0512842	-1.0238919	-1.1110424	DEHA2F0382	(XM_460533.1
DM06138P1	0.4567685	1.1484286	1.0099992	-1.1476839		
DM01376P3	0.45682487	-1.18735	-1.1929736	-1.0570301	DSIM\GD171	XM_002106823.1
DM08969P2	0.45688206	1.4390839	1.2732315	1.0236028		
DM00654P2	0.45703393	-1.0926167	-1.0579746	-1.0412076	GMPS	NM_001006556.1
DM11001P2	0.4570704	-1.2691733	1.0571146	-1.3044113		
DM00775P1	0.45724145	-1.0969493	-1.1183969	-1.0231566	LOC1000156	(XM_001365698.1
DM11168P2	0.45746434	-1.0955852	1.0503551	-1.0232286	DPSE\GA105	(XM_001355309.1
DM02114P1	0.45806038	-1.1155057	-1.0504009	-1.1316468	DGRI\GH224	(XM_001993953.1
DM08743P1	0.45822826	-1.0984155	1.0210494	1.00744		
DM00323P3	0.4584698	-1.0986589	1.2916282	-1.0084989	NADSYN	XM_001657847.1
DM12519P1	0.458514	1.0757136	-1.1888541	1.0231454		
DM03506P1	0.4586495	1.2212656	1.2209469	1.2164438		
DM04008P2	0.4588399	1.2724742	1.2856648	1.0860736		
DM05743P3	0.4588613	-1.0476274	1.0270339	-1.1336887		
DM09292P1	0.45887542	-1.0285673	-1.0081688	-1.0086374		
DM10737P2	0.45902187	-1.0697386	-1.0925355	-1.0941368		
DM03517P1	0.45908892	1.0493263	-1.1404122	1.0509131	PRKACB	NM_001087227.1
DM05455P3	0.45910954	1.0028496	1.0118587	1.1970305		
DM06522P3	0.45911762	-1.4057082	-1.3946321	-1.402362		
DM13467P3	0.45912308	-1.0664694	1.1506968	1.0805477		
DM11005P2	0.45923683	-1.1188517	1.4719335	1.1001341	MGL_4172	XM_001728641.1
DM10079P1	0.45938173	-1.0948321	-1.0735271	1.0497876		
DM00216P1	0.45939586	1.1757035	-1.1382445	1.1812708	TB927.3.105	(XM_838607.1

DM01743P3	0.459426	1.4374037	1.8426155	1.0445274		
DM06603P3	0.4595606	1.1506623	1.2566236	1.0444237	LOC1001657	NM_001134286.1
DM11270P4	0.45966694	-1.0482242	-1.1304505	-1.3294159		
DM04135P4	0.4597015	1.0876285	-1.2607957	-1.405982		
DM05067P3	0.4598463	-1.2019584	1.0582504	-1.2214652		
DM02131P1	0.45987177	1.0049595	-1.0879884	-1.0882062		
DM05553P1	0.4598722	1.4018878	1.6462636	1.0172222	LOC1001657	NM_001134286.1
DM11440P3	0.4598734	1.2444326	-1.046952	-1.0586982		
DM02400P1	0.46007365	-1.0433935	1.0253694	-1.0998682	RACG	XM_001647742.1
DM03638P2	0.46010703	1.2014927	1.3632448	-1.092027	DPEP1	NM_214108.1
DM07263P2	0.46010783	-1.2692573	-1.5136918	1.0999875		
DM07622P3	0.46012178	1.6631303	1.6207967	1.3512406		
DM01935P3	0.4602282	-1.1595294	1.10309	-1.1363931	DANA\GF180	XM_001954010.1
DM10347P1	0.46022883	1.0764377	1.29723	-1.1721567		
DM02518P1	0.46024987	-1.0308214	-1.1684891	-1.0830479	FECH	XM_001650796.1
DM11064P1	0.46036583	-1.1208527	-1.1337118	-1.0665531	LOC1001159	XM_001606275.1
DM00478P2	0.46043503	1.1655588	1.023474	1.0716447	DYAK\GE202	XM_002094252.1
DM00059P1	0.4604994	1.1678277	-1.112574	1.0902706	ACADS	NM_001142870.1
DM02999P4	0.46055546	-1.1081407	1.0572	-1.1368859	LOC412349	XM_395810.3
DM09861P3	0.4605569	1.0420406	1.114573	-1.0252035		
DM00702P1	0.46090356	-1.1643977	-1.2247998	-1.1522462	PXDN	XM_001503042.1
DM00902P2	0.4609392	1.0126023	-1.0033628	-1.0850675	NEMVEDRAFT	XM_001628053.1
DM13653P1	0.46100846	1.1343746	1.8645287	1.2823036		
DM06064P1	0.46115574	1.2328522	1.1599275	1.2742803	DYAK\GE230	XM_002086241.1
DM06625P1	0.46118593	1.0182955	-1.2107495	1.0027766		
DM04220P4	0.46122056	1.0948896	-1.5261208	1.0328809		
DM07398P4	0.46139404	-1.0117108	-1.1415555	-1.0404619		
DM07463P4	0.46159673	-1.0671215	-1.0141109	-1.3080264		
DM00897P3	0.46160263	1.0015073	1.1105065	-1.1318653	WBSCR22	NM_001091900.1
DM05702P1	0.46164417	1.0602702	-1.1261659	1.1374413		
DM09319P2	0.46172813	1.1759298	-1.1458192	-1.0442685		
DM06700P1	0.46201488	-1.014489	-1.1295992	-1.0647593		
DM09811P2	0.46217555	1.1739318	1.3311164	1.322975		
DM14974P1	0.46218407	-1.0237421	1.1076659	1.2060785		
DM02859P1	0.46220964	1.0097166	-1.1287565	-1.1529902	LOC1000157	XM_001365578.1
DM00923P2	0.46232307	-1.0642673	-1.1182373	-1.1290272	THO2	XM_001653774.1
DM05544P2	0.46236366	1.039031	1.042633	1.1781096		
DM07005P1	0.46237198	-1.2035242	-1.1314605	-1.021362		
DM10203P2	0.46242678	1.1644819	1.1314577	1.0023386		
DM04368P2	0.46249112	1.193011	1.0079159	1.2045873		
DM08460P1	0.46262044	-1.1791381	-1.0159351	-1.5218468		
DM05111P3	0.46262205	-1.1930599	-1.0446476	-1.2635745		
DM02975P1	0.46280012	-1.1580205	-1.0774492	-1.0448843	DPSE\GA215	XM_001352414.2
DM13624P1	0.4629961	-1.128278	-1.2312362	-1.0361814		
DM04097P3	0.4633031	1.0405034	1.1298101	1.128166		
DM03667P2	0.4636594	-1.1193169	-1.1501988	-1.2862164		
DM12430P4	0.46373504	1.2271137	1.1524414	-1.0641404		
DM07338P1	0.46387047	1.1469493	-1.1700686	-1.1334494		
DM09233P1	0.4638845	-1.2335657	1.1623287	-1.0903763		
DM08125P3	0.46389487	-1.0514568	-1.0858247	1.2626115		

DM08640P1	0.4639327	-1.2771437	-1.155607	1.1611936		
DM15056P1	0.4639329	-1.0321875	-1.1818674	-1.1018041		
DM12015P1	0.4641542	-1.0764097	1.1136707	-1.0622994		
DM09251P1	0.46422806	-1.0391431	1.0818628	1.0927305		
DM09365P1	0.4644983	1.1418109	1.2660435	-1.0353675		
DM08149P1	0.46461374	1.0207517	1.2077944	1.1240355		
DM08395P2	0.46466464	1.2927815	1.1965405	-1.1045278		
DM02810P1	0.46466523	1.4155816	1.8417538	1.0502586		
DM03084P2	0.46475014	-1.1852803	-1.0874406	-1.065211	SEM	XM_001867523.1
DM00805P1	0.46475768	1.2250786	-1.0065448	-1.0074122	PTRG_01084	XM_001931382.1
DM03387P2	0.46476156	-1.020597	-1.0934504	-1.1630272		
DM09172P2	0.46487293	1.2354624	1.1062232	1.4946343		
DM05849P4	0.46513426	-1.1084119	1.1350491	1.050969	PGGT1B	NM_005023.3
DM04557P3	0.46518478	1.1825048	1.095734	1.0877138		
DM13028P1	0.4652663	1.1555498	1.0752208	1.2340649		
DM06091P3	0.46539935	-1.0754431	-1.0590692	-1.2569205	LOC411100	XM_394574.3
DM11539P3	0.4654807	-1.0896846	-1.218194	-1.3309352		
DM13755P1	0.46556526	1.1188327	1.1508309	-1.0120066		
DM09137P3	0.46563295	-1.081023	-1.4840028	-1.0008224		
DM04127P3	0.46570614	-1.0701591	-1.0317495	1.0306615		
DM06006P2	0.4658148	-1.0945787	-1.0917124	-1.0180842	LOC1000762	XM_001507597.1
DM02779P3	0.465815	-1.0274352	1.020207	1.0127786	GOT2	XM_535278.2
DM10988P1	0.46595308	1.002152	1.0515107	-1.4411682		
DM07859P1	0.4659655	-1.0144706	1.1053828	1.0865766		
DM10959P2	0.46604997	1.0496801	1.334508	1.1458232		
DM13390P3	0.46618256	1.1067544	-1.1310041	-1.0373508		
DM12747P3	0.46619868	1.1380322	1.0668355	1.0627515		
DM08652P3	0.46626887	1.1576362	1.0786237	-1.0464487		
DM04140P1	0.46627906	-1.0988835	1.132349	-1.0975999		
DM04269P3	0.4663068	-1.0792062	1.218086	1.1119635		
DM06683P2	0.46633556	-1.0155323	-1.1368555	1.1116246		
DM12703P3	0.4663515	-1.0788296	1.052918	-1.0708238		
DM13938P2	0.46636844	1.4364755	1.2667687	1.3649384		
DM12413P1	0.46642005	1.0319523	1.1066501	-1.0774237		
DM11937P3	0.466456	1.2091969	1.0191121	-1.2970405		
DM04217P1	0.466675	1.0695013	-1.022973	1.1136574	LOC1000310	XM_001380353.1
DM02401P2	0.46672094	-1.1474575	-1.0595659	-1.009388	LOC448984	NR_002170.3
DM08194P1	0.46675482	-1.0546014	-1.0245292	1.1077914		
DM06794P1	0.46677566	1.075511	1.7863199	-1.3045733		
DM01869P3	0.4668753	-1.0102655	-1.1146277	1.2275603	FADS	XM_001656496.1
DM04219P2	0.4669092	-1.1105477	-1.0374887	1.0757022		
DM02763P4	0.46699703	-1.1688694	-1.1273512	1.0947424	DANA\GF157	XM_001963026.1
DM14216P2	0.4670289	1.2409912	-1.0066928	-1.1897476		
DM14324P1	0.4670926	-1.1192569	1.1952355	-1.5013664	DGRI\GH209	XM_001985696.1
DM06469P1	0.4674003	-1.0113661	-1.1362638	1.1310072		
DM08925P1	0.4674471	-1.0050492	1.0736842	1.0087264		
DM14423P1	0.46745118	-1.023563	-1.120462	1.107624		
DM01223P1	0.46745855	1.0886182	-1.1751727	1.1784393	DPER\GL259	XM_002018717.1
DM03272P1	0.4674606	1.2500749	1.1203151	-1.1532638		
DM12459P3	0.46761122	1.0963748	1.1336733	-1.2566943		

DM13638P1	0.46769503	1.0950887	1.0018173	1.0998667		
DM12055P1	0.4677482	-1.0074854	-1.0172526	-1.121638		
DM01382P2	0.46818912	-1.0661637	-1.0192335	-1.0912452	MRPS10	NM_001159988.1
DM08831P1	0.4682544	-1.0869629	-1.111629	-1.0957704		
DM00903P1	0.4682771	1.0332234	1.0189638	-1.076281	MACROD2	NM_001105029.1
DM09408P2	0.46832046	-1.3077776	-1.0248965	-1.1176801		
DM08806P1	0.4684979	-1.0087774	1.069411	1.1402954		
DM05850P1	0.46883136	1.3634586	1.0652921	1.1676947		
DM13334P1	0.46934465	-1.2251334	1.1745747	1.1570499		
DM06517P1	0.46967828	1.4271334	1.3671955	-1.0927644		
DM12789P2	0.46973014	1.130288	1.0934458	-1.011617		
DM06959P1	0.46977177	-1.0438318	-1.1369464	-1.15676		
DM04496P3	0.46995795	-1.0982207	-1.0719547	-1.1815815		
DM05877P2	0.47007403	-1.6796409	-1.4084398	-1.2840873	DWIL\GK209	XM_002061372.1
DM02921P3	0.47009185	-1.0923673	-1.1154671	-1.1146542	CG33276	NM_206296.2
DM06331P1	0.47010827	-1.1594056	1.0797037	1.118558		
DM07191P2	0.47014478	1.0386232	-1.1187394	-1.0436534		
DM07175P1	0.47023976	1.0576768	1.1297888	1.1616751		
DM15273P2	0.47030643	-1.089545	-1.2185872	1.0679259		
DM01101P1	0.47035444	1.3096899	1.2262228	1.2178705	AAEL_AAELOC	XM_001650521.1
DM09723P2	0.47036242	1.0468618	1.2323631	1.0922564		
DM09571P3	0.47039568	-1.2004354	-1.0485402	-1.260919		
DM05936P3	0.47041908	-1.204529	-1.1564409	-1.1051912		
DM11417P1	0.47047138	1.2589428	-1.2302347	1.178046		
DM04717P1	0.47047222	1.1952426	1.0365489	1.5043167		
DM06930P1	0.47052085	1.1374319	1.1898345	1.0540192	LOC1001657	NM_001134286.1
DM01100P1	0.4705662	-1.0404061	-1.109502	-1.0766667	LOC1001817	XM_002120830.1
DM00800P2	0.47071338	-1.096531	1.1352586	1.0356529	LOC1000185	XM_001366344.1
DM14234P1	0.47079343	1.0550165	-1.3012064	1.1632792		
DM09597P1	0.470863	1.0230981	1.1495985	1.0170685		
DM15159P1	0.47089773	-1.0881541	-1.1683159	-1.0175747		
DM12084P1	0.47090328	1.0853161	1.0614339	1.3757615		
DM01270P1	0.47112545	1.0479406	-1.118508	1.0765477	SPE1	XM_001385745.1
DM03367P1	0.47119015	1.1073844	1.0294455	1.0726732	LOC409316	XM_392833.3
DM05569P2	0.4712068	-1.0833176	1.0332967	-1.0614456		
DM08968P2	0.47123906	-1.0055714	1.0111501	1.0743725		
DM02207P2	0.4713278	1.2294631	1.0904785	1.1195854	UROC1	XM_414375.1
DM01328P2	0.47182143	-1.0384274	-1.001557	-1.0638719	UM01449.1	XM_752503.1
DM11464P2	0.47184774	1.1545213	1.3512685	1.1262228		
DM09403P1	0.47194725	-1.0682209	-1.0161241	-1.1104165		
DM13391P2	0.4719639	-1.0563952	-1.1154634	1.2386615		
DM02534P3	0.47214058	1.0184162	1.1209222	-1.0564492	AAEL_AAELOC	XM_001659493.1
DM09151P2	0.47220987	-1.2323153	-1.4386529	1.1884993		
DM11425P3	0.47221297	1.0550605	1.3091224	1.0037123		
DM11596P2	0.47236353	1.0664403	-1.0230315	-1.1007098		
DM00765P3	0.47244132	-1.1486418	1.0630432	1.0128748	BRAFLDRAFT	XM_002597258.1
DM04814P1	0.4724946	-1.055846	1.1670603	1.0826137		
DM02842P2	0.47268867	-1.0329002	1.0329535	-1.0692477	PPM1A	NM_001086897.1
DM01437P2	0.4728243	-1.1284642	-1.1005485	-1.0549475	TRX1-LIKE1	XM_623125.2
DM03275P3	0.4729219	-1.1729926	-1.1045325	-1.1888064	DMOJ\GI200	XM_002004566.1



DM12046P1	0.4729472	1.1159761	1.0483531	-1.0823501		
DM09989P1	0.47306788	-1.1270938	-1.1091058	-1.0081192		
DM09613P3	0.47309175	1.0426733	1.1187321	1.2559459		
DM06406P3	0.47310084	1.0700465	-1.3900913	1.2970611		
DM03770P1	0.47319928	1.0626589	1.1623182	-1.0021057	VPS36	XM_395542.2
DM04928P3	0.47320893	-1.0139579	-1.1492436	-1.158154		
DM12017P1	0.47327837	-1.0603017	1.0292282	-1.0824052		
DM04429P2	0.47336096	-1.081532	-1.0424882	-1.5419431		
DM10443P3	0.473376	1.0960715	-1.1117651	1.0318668		
DM07418P3	0.4737731	-1.4219934	-1.3208777	-1.1552938		
DM09691P3	0.47377846	-1.1684489	1.5016243	1.1314185		
DM09903P2	0.4737931	1.0472001	-1.1233329	-1.0774282		
DM07851P2	0.473831	1.0469925	-1.032613	-1.149336		
DM10787P1	0.47391656	1.1187013	1.3003724	1.1995944		
DM05459P3	0.47398046	-1.0619359	-1.2325027	-1.1258644		
DM02478P1	0.47434217	1.1179945	1.3131349	1.0099585	DVIR\GJ2218	XM_002050453.1
DM13336P2	0.47437105	-1.1056023	-1.0952772	1.0377029		
DM01578P3	0.47437292	1.0210357	1.0026916	-1.1553245	ADR	XM_001844784.1
DM05019P1	0.4744187	-1.0105706	-1.138111	-1.1124744		
DM02508P1	0.47444594	1.2350618	1.1902572	-1.0783669	MAN2B1	XM_001651361.1
DM10707P2	0.4745194	1.0666475	-1.1272233	-1.0932652		
DM05291P1	0.47452146	-1.1622744	-1.2395164	-1.0918945		
DM05701P2	0.4745629	-1.0559734	1.0563693	-1.0736245		
DM14650P3	0.4746533	-1.010435	-1.3343792	-1.1737218		
DM00233P3	0.47466156	-1.1284589	-1.1601188	-1.1218667	TRIADDRAFT	XM_002118025.1
DM09485P3	0.47476703	1.0380466	1.0616419	-1.0411288		
DM11197P3	0.4749594	-1.0900837	-1.0659024	-1.0378364		
DM08794P1	0.4749852	-1.082036	-1.3443229	-1.2336582	ZDHC5	NM_001039640.1
DM04174P2	0.47499985	-1.0669978	1.1763104	1.0313884		
DM14662P1	0.47535113	-1.0361046	-1.1939303	1.0142145		
DM02474P3	0.4754798	1.0939935	1.1752985	-1.3339063	AAEL_AAELOC	XM_001656413.1
DM11898P4	0.47550997	1.1467494	-1.0218645	1.1610394		
DM06518P2	0.47563186	-1.0423253	1.1345626	-1.1888748		
DM05044P2	0.47564983	1.519031	1.4455254	-1.101924		
DM07132P1	0.47570235	1.054189	-1.0257916	1.1596342		
DM13431P3	0.47571763	-1.0273473	-1.2707076	-1.2816164		
DM07219P1	0.47579905	-1.1404896	-1.06363	-1.2012378	LBRM14_V2.1	XM_001563386.1
DM04094P1	0.475828	-1.0244045	1.1395991	1.0928792		
DM00714P1	0.47601423	1.0227145	-1.0033342	-1.0634384	BRAFLDRAFT	XM_002588639.1
DM00799P4	0.47608784	-1.0759007	-1.168354	-1.0085981	TRIADDRAFT	XM_002109142.1
DM04938P1	0.47608843	-1.1514956	-1.1869498	-1.0488226	LOC589478	XM_789117.2
DM09313P1	0.47612792	1.7928568	1.4104161	1.571986		
DM08116P1	0.47614923	-1.1330999	-1.0674434	1.0303566		
DM01858P2	0.4763312	1.0282317	1.0187057	3.4041085	MONBRDRAFT	XM_001744716.1
DM10159P3	0.4763335	1.0237567	-1.0608017	-1.1113553		
DM04208P3	0.476355	1.104719	1.1288227	-1.0648001		
DM08803P3	0.47664502	1.064567	-1.1800401	1.0543356		
DM09076P2	0.47670048	1.0451093	1.1490836	-1.039642		
DM15212P2	0.47675157	1.0073588	1.063697	-1.088972		
DM12702P2	0.4768023	1.2229617	1.4255173	-1.1817446		

DM11023P2	0.4768182	1.1405616	1.0648658	1.0244083	
DM04516P1	0.47683188	-1.1548349	-1.0431582	1.1739577	
DM09139P1	0.4769757	-1.0191416	-1.1479945	1.011199	
DM10217P3	0.47706017	1.104353	1.3288039	1.4521888	
DM00604P2	0.47719434	-1.0385007	-1.434292	-1.2493426	LOC1001174; XM_001601647.1
DM07042P4	0.47731838	-1.2286118	-1.2299235	1.2295371	
DM01046P3	0.47740597	-1.0487983	-1.0102336	-1.1051458	LOC1001805; XM_002125908.1
DM03378P2	0.47759697	-1.0110534	-1.0351938	1.1288832	LOC1001652; XM_001951709.1
DM07704P2	0.477777	1.0348946	1.1278933	1.2791566	
DM03872P1	0.4778058	-1.1459504	-1.0252941	-1.0276532	LOC1002027; XM_002170568.1
DM03845P1	0.47783875	1.1340451	1.0253392	1.0958216	
DM10676P3	0.4779687	1.125555	1.0854414	-1.0320736	
DM15102P2	0.47827426	1.6032678	1.3116095	1.5085881	LOC1001596; XM_001948385.1
DM10340P1	0.4783433	1.0758483	-1.0136783	1.2304807	
DM09622P1	0.47863638	-1.0749389	1.129409	-1.0929003	
DM00070P1	0.47876915	-1.0086695	-1.0841835	1.0163751	LOC1000261; XM_001376807.1
DM04346P2	0.47878927	1.0153133	-1.3984154	-1.0395656	
DM06673P3	0.47878927	1.048851	-1.2962247	-1.0729896	
DM11862P2	0.47882104	1.1634073	1.0931658	1.1580584	
DM04896P3	0.4788646	1.0048403	-1.1005954	1.1465816	
DM01704P3	0.4788843	1.0678658	-1.1875187	1.0928303	DGRIV\GH169; XM_001985196.1
DM06258P1	0.47889677	1.0360146	-1.1312852	-1.3059633	PTRG_04812 XM_001935110.1
DM14428P2	0.47908646	-1.0164042	1.1382205	1.221383	
DM03901P2	0.4790954	-1.0191336	1.0058991	-1.0908908	LOC551882 XM_624268.2
DM04585P1	0.47920832	-1.0576503	-1.0872195	1.0371114	
DM04149P1	0.47930548	1.0499331	-1.1183778	1.0660416	
DM10332P3	0.47952145	-1.1647888	-1.4195396	-1.2997787	
DM10448P1	0.4795393	1.0846025	1.2611045	1.3940262	
DM09423P1	0.47969237	-1.0969063	-1.1359142	-1.006121	
DM12120P1	0.47986814	1.1233476	1.4513896	1.3402755	
DM13743P2	0.47991282	-1.0102834	1.1391953	1.2034009	
DM08443P3	0.4799442	1.0506424	1.4201212	1.3094838	
DM05758P2	0.47998783	-1.3890595	-1.8045803	-1.0875828	
DM08425P1	0.48001963	1.2196044	1.1001272	1.3018454	
DM10540P1	0.480103	-1.0885882	1.0762272	1.1430852	
DM09275P3	0.48012167	1.1900752	1.2306838	1.0194787	
DM05051P4	0.48024347	-1.073287	-1.0525289	-1.1297458	
DM00158P2	0.48027715	-1.0617533	-1.1685778	-1.0138763	CTSL NM_001163097.1
DM09387P2	0.48029214	1.3431616	1.9656953	-1.0079721	
DM01958P4	0.4803753	-1.0598137	-1.0437136	-1.0187528	DMOJ\GI180; XM_002003716.1
DM01251P4	0.48040316	-1.0530802	-1.3931911	-1.2459538	LOC1002155; XM_002163566.1
DM12953P1	0.48048425	-1.1932561	-1.0300039	1.0099608	DGRIV\GH156; XM_001983268.1
DM03247P2	0.48063213	-1.0181642	1.0006596	-1.215751	
DM06695P1	0.4806371	-1.3359901	-1.8235474	-1.0818098	
DM14381P2	0.48083034	-1.1988038	-1.0141699	-1.0264136	
DM01651P1	0.4808424	-1.3141627	-1.2519035	-1.4857323	LOC590458 XM_790061.1
DM07043P1	0.4809119	1.1599278	1.1417631	1.0180169	
DM05842P2	0.48104364	1.0612545	-1.008374	1.1622113	ANXB10B XM_310251.5
DM12509P1	0.48106632	-1.055171	1.0419129	-1.0548213	
DM07300P1	0.48116538	1.2213724	-1.1311215	1.0492326	

DM08953P3	0.4813067	1.1388285	1.2539488	1.3358783		
DM06471P2	0.48139226	1.1131961	-1.2209686	1.3802135		
DM10863P2	0.48168796	-1.059599	-1.0425798	-1.1147052		
DM03446P2	0.4818594	1.066683	1.1295041	1.1176388		
DM11321P1	0.48190397	-1.0201617	-1.0282844	-1.11824		
DM08381P2	0.48193148	-1.8670877	-1.6542171	1.1269114		
DM01080P1	0.48214692	-1.1169949	-1.095745	-1.0669075		
DM05450P2	0.48215652	-1.2038488	1.0246961	1.0191389		
DM05984P3	0.48235473	-1.0830032	1.0077229	1.0567921		
DM09841P3	0.48239702	-1.0393834	1.022453	-1.1008283		
DM07796P3	0.48249272	1.2292404	1.4459438	1.2931402		
DM09664P2	0.48256904	-1.1402274	-1.1141403	2.0176222		
DM03913P1	0.4826247	1.0486754	-1.030148	-1.1210438		
DM06212P1	0.48299223	-1.0577316	1.1626161	1.1218222		
DM09415P3	0.4830665	-1.1580819	-1.4676694	-1.0280659		
DM14841P1	0.4833263	-1.0288101	1.0472645	-1.0855349		
DM12382P4	0.483362	1.0299557	-1.045504	-1.0085503		
DM01174P3	0.48336908	-1.0204909	1.1927407	1.2193065	LOC661504	XM_967659.2
DM13700P3	0.4833977	1.1717955	-1.1514529	1.0189906		
DM12827P1	0.48361376	1.249731	1.543239	1.0498747	COL-101	NM_067504.4
DM09245P1	0.48363483	-1.1077583	-1.0469322	1.116391		
DM10794P2	0.4836958	1.2551532	1.1762829	-1.0922234		
DM13137P1	0.48372817	1.0132983	1.2559574	1.3322176		
DM04179P2	0.48411772	1.1221303	1.2220061	-1.0528558	LOC1002556	XM_002275894.1
DM06004P1	0.48418668	-1.0348227	-1.1300896	1.1003668		
DM00862P3	0.4842617	1.0126805	-1.0507041	-1.0215664	WDR7	XM_853087.1
DM08045P1	0.48435113	1.4288539	1.5479004	1.3713285		
DM10747P3	0.4843528	1.0952866	1.0137987	-1.1134925		
DM06887P2	0.48435676	-1.1326045	-1.0684533	1.0218207		
DM05249P1	0.48441362	1.0540661	1.0915459	-1.2090517		
DM14328P2	0.4849936	-1.1931036	-1.28735	1.0617273		
DM14020P3	0.48514968	-1.7941592	-1.1002663	-1.1545749		
DM12508P1	0.48537982	-1.2044389	-1.0117475	-1.0771253		
DM11109P2	0.48540264	-1.0998406	-1.3987682	-1.4121703		
DM12607P4	0.48553053	1.0768793	-1.0119524	-1.1166836	CPIPJ_CPIJOC	XM_001848796.1
DM04601P1	0.4855416	-1.1876218	1.003001	-1.0773513		
DM04597P1	0.4856674	-1.2589449	1.4293826	1.517136		
DM02735P3	0.4856894	1.0070245	1.0118649	-1.0993191	LOC409531	XM_393037.3
DM03081P3	0.48573503	1.1864686	1.1211456	1.0097117		
DM10746P1	0.48607427	1.0850236	1.0030209	-1.0450199		
DM04109P2	0.48612517	-1.2407148	-1.2230873	-1.1816595	LOC1002415	XM_002272433.1
DM02365P2	0.48612976	-1.0745069	-1.0270015	1.0479889	DPSE\GA141	XM_001360203.2
DM04079P2	0.4861591	1.1858898	1.5454538	1.1119218		
DM13150P1	0.486232	-1.0391546	-1.3150086	1.1068612		
DM07330P1	0.48626825	1.042858	1.0544512	-1.137694		
DM00891P1	0.48634493	1.0091984	-1.1216434	-1.0411447	DVIR\GJ1563	XM_002058149.1
DM05235P1	0.48640066	-1.1143603	-1.3214917	1.0105366		
DM11762P3	0.4864281	1.1502807	1.2738769	1.1256217		
DM05548P1	0.48673642	1.1814995	1.1494149	1.0706193	DGR1\GH142	XM_001995914.1
DM08572P1	0.4867863	1.1369922	1.4935582	-1.0784839		

DM11498P2	0.48683915	1.122136	1.121312	-1.0039638	
DM03754P2	0.48686597	1.0803878	-1.1408784	-1.3335352	
DM04343P3	0.4868752	1.142169	-1.0163903	-1.0757236	
DM03048P1	0.48693725	1.0335113	-1.0385865	-1.1591382	AAEL_AAELOC XM_001653959.1
DM13663P1	0.4870316	-1.2116991	-1.084899	-1.1126263	
DM10065P3	0.4871021	1.0592741	1.2512968	-1.030616	
DM12240P4	0.4871092	1.0091355	-1.2041075	1.2173986	
DM10214P1	0.48711237	1.1002285	-1.0205688	1.0683811	
DM05515P1	0.48739806	-1.0084271	-1.1948345	1.2494987	
DM06503P3	0.48742932	-1.1629049	1.029509	1.0729215	
DM04388P2	0.4876293	-1.2495508	-1.0594152	-1.493799	LOC663339 XM_969391.2
DM09253P3	0.48770422	1.2428533	1.058415	1.225723	
DM15222P1	0.4877231	1.1110672	1.0236381	1.2543304	
DM09776P3	0.4878352	1.0384991	-1.1072389	1.0713694	
DM06960P2	0.48783794	1.0388936	-1.630336	1.0863044	
DM13050P1	0.48786458	1.0076566	1.1018096	1.1987938	
DM07310P1	0.4879406	1.1738592	1.0601952	1.0948466	
DM06234P2	0.4882585	1.1299539	1.1848296	1.1049037	DSEC\GM235 XM_002032388.1
DM04725P3	0.4884234	-1.0819136	-1.3349317	-1.2306039	DMOJ\GI1472 XM_002010320.1
DM01859P1	0.48845577	-1.0273085	1.2083338	1.1365777	BRAFLDRAFT XM_002600871.1
DM01195P2	0.48857614	-1.0954431	-1.0621583	-1.137241	DPSE\GA140 XM_001361358.2
DM05625P3	0.4887941	-1.0480928	-1.1001049	-1.0959414	
DM07488P2	0.4888523	-1.1474384	-1.1455994	-1.0702416	
DM01380P1	0.48919645	1.0438931	-1.0275358	1.2276397	
DM14908P3	0.48920992	-1.12303	1.0911891	1.2786826	
DM04813P2	0.48926058	1.1574415	1.099434	-1.0038139	LOC1002096 XM_002154218.1
DM12085P3	0.48926502	-1.035666	-1.290392	-1.0303524	
DM13512P3	0.48930392	-1.1563364	1.0022575	-1.134242	
DM09551P2	0.48936406	-1.0871578	1.0518286	1.1032604	
DM15040P1	0.48954055	1.3377397	1.3982525	-1.0914108	
DM04463P1	0.4895454	1.0799785	1.3704891	-1.0179315	
DM00050P1	0.48955002	-1.0590653	-1.3497125	-1.2513576	DGRIN\GH126 XM_001991466.1
DM03333P1	0.48961335	1.1055816	1.047036	1.2436805	GEL XM_002102026.1
DM08704P3	0.4896567	1.0894395	1.7422115	1.2795926	
DM12068P4	0.48968047	-1.0551562	1.1373392	-1.2166744	
DM05549P2	0.48968866	1.2418649	1.1121149	-1.0119817	
DM11437P2	0.489768	-1.2251922	-1.067078	-1.2695274	
DM02814P1	0.48987597	-1.0983362	1.0002669	1.1134596	NNT NM_001128002.1
DM12701P2	0.48989594	-1.0720791	-1.1096629	1.0945816	
DM05601P1	0.48991236	-1.3141474	-1.1951202	-1.1588895	DSIM\GD196 XM_002102177.1
DM10779P1	0.4899852	1.3670498	1.3898629	1.0586315	
DM01358P2	0.48999825	-1.0820688	-1.050048	-1.1608931	LOC1000851 XM_001515453.1
DM14472P2	0.49017066	-1.1064912	-1.0106262	-1.044695	
DM12143P1	0.49020836	1.448165	1.2569633	1.3217883	
DM01479P1	0.49027783	1.0382891	1.1191685	-1.0015378	PHYPADRAFT XM_001759189.1
DM00673P1	0.4903031	-1.0803884	-1.3455062	-1.2223079	LOC658917 XM_965265.2
DM14365P1	0.4903509	-1.1247526	-1.00793	-1.0484335	
DM06674P2	0.49052656	1.0058221	1.0560799	-1.1482116	
DM07369P2	0.49061272	1.0233233	-1.0140791	-1.1687478	
DM12979P2	0.49081856	-1.1305343	-1.1315681	1.0797839	

DM11847P2	0.4910468	1.0206958	-1.2353561	-1.0954399		
DM01312P2	0.49111572	-1.146369	-1.0009896	-1.0592939	SSDP	XM_623508.2
DM10266P2	0.4911956	-1.0543051	-1.113395	-1.3288299		
DM08241P2	0.491429	-1.0382758	-1.112987	-1.1331514		
DM08251P3	0.4914562	1.1490419	1.0631121	-1.0532346		
DM08285P1	0.49149227	-1.0580866	1.0670761	1.1018		
DM09809P3	0.4915121	-1.3920048	-1.1551653	-1.0581989		
DM01886P1	0.49193504	-1.086639	-1.1390401	1.058433	CG3731	NM_169607.1
DM01163P3	0.4921849	-1.0703838	-1.0410025	-1.1245965	LOC1001759	XM_002120198.1
DM13457P3	0.49224254	-1.2049844	1.1743678	1.1884375		
DM06845P3	0.49235803	-1.1819745	-1.0442797	1.0355533		
DM07098P3	0.4923937	1.2480111	1.0901494	1.3629278		
DM03655P1	0.49245492	1.2900045	1.2249213	1.0071676	OTOP	XM_001863189.1
DM09574P1	0.49247223	-1.4315232	-1.417508	-1.3103274		
DM13179P1	0.4926678	1.0601692	-1.2664263	-1.0156956	LOC552459	XM_625286.2
DM14181P2	0.49273244	-1.0205692	1.001288	-1.1127776	LOC1002066	XM_002156730.1
DM05910P2	0.49279746	-1.0394037	-1.017647	-1.1680125		
DM12981P2	0.49289593	-1.2697312	-1.1569118	1.1375825		
DM03454P3	0.49294978	1.0523177	-1.0582874	1.027751		
DM13121P2	0.49311525	-1.2596825	-1.9280717	1.495119		
DM15161P2	0.4931444	1.1393629	-1.1069835	1.3885052		
DM10208P1	0.49315602	1.0407835	1.1009854	1.0817044		
DM05772P4	0.49325576	-1.0704334	-1.3629867	-1.1365002		
DM02214P4	0.49327818	1.0131567	-1.0906523	1.5155503	DANA\GF157	XM_001962996.1
DM04643P2	0.49331582	1.038755	1.1719648	1.01212	KAT8	XM_625072.2
DM14612P2	0.49335364	1.0068326	1.3840016	1.3223053		
DM08191P1	0.493549	-1.0372186	1.1534914	1.0763724		
DM00946P4	0.49361727	-1.2246588	1.069672	-1.0336084	TRIADDRAFT	XM_002108993.1
DM14571P1	0.49396816	-1.0437102	-1.1656119	1.0539154	PBRM1	NM_018165.4
DM04098P1	0.49406207	-1.0251262	1.0672336	1.1418158	AAEL_AAEL0C	XM_001658403.1
DM13575P3	0.494108	-1.3729111	-1.2568796	-1.1319577		
DM13591P4	0.49424466	-1.2361293	-1.314074	-1.0859858		
DM13265P2	0.4944269	1.0394248	1.1946256	1.1186783		
DM02589P3	0.49463075	-1.0161341	-1.6639967	-1.0597812		
DM04172P2	0.494639	1.0363308	-1.0257593	1.066024		
DM00606P1	0.49466377	1.0500572	1.0134032	-1.110272		
DM05141P2	0.49472392	1.2459455	1.0303644	1.3430644		
DM02384P1	0.49478003	1.1840218	1.3755634	1.1260006	AAEL_AAEL0C	XM_001649991.1
DM07852P4	0.49483636	-1.1337138	-1.309833	-1.238112		
DM04639P3	0.49489248	-1.0626707	-1.0917532	-1.0692124		
DM02359P1	0.49492785	-1.1872869	-1.1237663	-1.0763422	LOC1002159	XM_002167054.1
DM03720P2	0.49500325	1.1578449	1.0329647	1.0559944		
DM05519P1	0.49504137	1.0180931	-1.2263932	1.0167234		
DM07856P1	0.4951066	-1.0310897	-1.0518456	-1.0063101		
DM12548P1	0.49511954	-1.2148174	-1.2174133	-1.5260502		
DM03549P4	0.49512252	-1.0177277	1.4013854	1.0839804		
DM13047P1	0.495324	1.157567	1.2888625	1.5355844		
DM05082P1	0.49539095	-1.1221102	-1.2531556	-1.2742754		
DM14461P2	0.4954183	1.0424875	1.1440308	1.1537416		
DM02992P3	0.49553782	1.4185816	1.2289052	-1.6378049		

DM08217P1	0.49558723	-1.1777787	1.1680924	-1.209947	
DM15139P1	0.495806	1.0341932	1.2274891	1.1622586	GABARAPL1 NM_020590.4
DM02466P1	0.4958412	-1.1014155	-1.9362546	-1.3630701	PHYPADRAFT_XM_001771875.1
DM09879P3	0.49597013	-1.0434184	-1.1747811	-1.1076101	
DM14576P1	0.49607044	-1.0169657	1.0350974	1.0326192	
DM05688P2	0.4960893	-1.001308	1.1106324	-1.0211585	
DM03826P1	0.49612686	1.0216593	1.2002766	1.2306304	LOC1000279_XM_001371105.1
DM08024P1	0.4962815	-1.1183461	1.1440169	-1.295346	
DM06236P2	0.49628723	1.2903501	1.2658533	-1.1989865	OS05G02958 NM_001061648.1
DM07459P3	0.4963549	-1.0465657	-1.1766328	-1.0050032	
DM00287P2	0.4964506	-1.123693	-1.1309361	-1.0222466	DSIM\GD102_XM_002080317.1
DM00532P2	0.49667853	1.0850204	-1.0716305	1.0793672	LOC1001847_XM_002125926.1
DM01551P2	0.49673688	-1.1206048	-1.0608224	-1.0347112	DMOJ\GI197_XM_002004219.1
DM00047P1	0.49677405	1.0264966	1.0609888	1.0905422	HCAG_07965_XM_001536806.1
DM01090P2	0.4968031	1.0173562	-1.0344409	1.1290854	POR XM_001214242.1
DM01647P1	0.49701798	1.0054297	-1.091527	-1.0109189	RPL32 XM_001656684.1
DM09578P3	0.49703115	-1.1343359	-1.0969576	1.1564738	
DM14533P1	0.49703136	-1.0564733	-1.1021868	-1.2341642	
DM04056P2	0.49705365	-1.0804746	-1.2629966	-1.0699648	
DM11103P3	0.49709123	-1.1095666	1.0205901	-1.0379705	
DM14858P3	0.49715856	-1.0742962	1.1032674	1.132485	
DM01746P3	0.4971764	-1.1092862	1.003746	1.117615	LOC1002323_XM_002197276.1
DM02873P2	0.49726772	1.1822654	1.1774621	1.1780444	DANA\GF191_XM_001967126.1
DM10968P3	0.4974808	1.0190378	-1.1661326	1.0310998	
DM10716P1	0.49759385	-1.047719	-1.0597236	1.078221	
DM13492P4	0.49762487	1.2411493	-1.0724243	1.21184	
DM07347P2	0.49775195	1.0810673	-1.3309206	1.0716974	
DM00368P2	0.4977768	1.0103927	-1.0587873	-1.1131828	LOC1000227_XM_001368952.1
DM10965P3	0.4978104	1.071908	1.0291612	1.0590322	
DM13750P3	0.4981214	-1.052447	-1.1315366	-1.1834987	
DM05605P1	0.4981701	1.0334811	-1.0281777	-1.2123771	
DM06041P3	0.49837467	1.0482562	-1.06844	-1.0653595	PDH XM_001650646.1
DM02771P3	0.4984117	-1.0224617	-1.0292181	-1.1114819	
DM05578P3	0.49850017	1.0202557	1.0414816	1.1037493	BRAFLDRAFT_XM_002598195.1
DM01342P3	0.49855995	-1.3566563	-1.1744277	1.0900487	
DM02738P2	0.4986187	1.0779456	1.0910189	-1.2530239	DPSE\GA155_XM_001361338.2
DM08358P2	0.4987876	-1.1023823	-1.7272769	-1.0646695	
DM09781P3	0.4988319	1.111197	1.1449085	-1.0329365	
DM05856P3	0.49885786	-1.2514156	-1.2146889	-1.0519063	
DM00178P3	0.4988951	1.1141555	-1.092857	-1.0956646	LOC1001613(XM_001948694.1
DM11608P1	0.49897298	1.040525	1.5865582	1.8124472	
DM00815P1	0.49908283	-1.0959382	-1.1233331	-1.1347522	DSEC\GM201_XM_002033871.1
DM10710P1	0.49912944	1.0939221	1.0676349	1.0057352	
DM09970P3	0.49918503	1.227273	1.106695	1.160556	
DM06407P2	0.499287	-1.1427352	1.0648832	1.0892274	
DM12951P2	0.4993147	1.0897106	-1.7186475	1.1141778	
DM08716P2	0.4994003	-1.4234695	-1.0937606	-1.5705007	MONBRDRAF_XM_001746877.1
DM07699P1	0.4994974	1.0307442	-1.412197	1.1850386	
DM02316P2	0.4995268	-1.1712911	-1.0249349	1.0664192	DVIR\GJ1253_XM_002046345.1
DM02049P3	0.49962628	-1.1509268	-1.0952463	-1.0438282	DVIR\GJ1456_XM_002051093.1

DM15256P3	0.49969125	-1.4721333	-1.0834082	-1.1963937		
DM10607P2	0.49979755	-1.1072164	1.231424	1.0878453		
DM01942P2	0.50016665	-1.065773	1.0059674	1.0977949	LOC1000704:	XM_001917207.1
DM09824P3	0.50054467	-1.1345366	-1.0648962	-1.238591		
DM12403P1	0.5005937	1.1213026	-1.044384	1.1708802		
DM07496P1	0.50062126	-1.0245863	-1.1613737	-1.0536684		
DM09583P3	0.5006238	1.0351694	1.0611606	-1.1289436		
DM04536P2	0.50084156	-1.2164699	-1.7407503	-1.0143595		
DM07981P1	0.50088704	-1.1354706	1.1317176	-1.347348		
DM09521P3	0.5012402	1.0654794	1.1950369	-1.0794241		
DM07995P1	0.50149995	-1.0962656	1.1232598	1.1398481		
DM03433P3	0.5015177	-1.0729073	-1.0258036	-1.12021	NEMVEDRAFT	XM_001637168.1
DM14985P2	0.5015907	-1.0332326	1.1806663	-1.0602741		
DM14398P2	0.50173616	-1.0278605	1.0523596	1.0890445		
DM07339P4	0.5017547	1.1273365	1.0694243	1.0805345		
DM11003P3	0.501756	-1.0956508	1.2104316	1.1929209		
DM00955P3	0.5017714	-1.2814435	-1.2761382	-1.286366	ISYNA1	NM_001046032.1
DM01961P1	0.50180274	-1.2176851	1.0450205	1.0487223	CG33138	NM_176162.1
DM08301P2	0.5018038	-1.0930189	-1.0258629	-1.1193198		
DM04100P1	0.501932	-1.067073	-1.0311363	1.1026601		
DM01436P1	0.5020147	1.120578	1.0269043	1.041715	NEMVEDRAFT	XM_001636895.1
DM13176P3	0.5020843	-1.1113786	-1.0275729	-1.0075778		
DM02147P1	0.5022388	-1.1118972	-1.1377617	-1.1453933	LOC1000796:	XM_001510507.1
DM10078P1	0.5022516	-1.5151564	1.2235116	-1.1059673		
DM10931P1	0.50226593	-1.0285279	1.0467854	-1.0923276		
DM10277P1	0.5024143	-1.0340668	-1.0190187	-1.1377579		
DM12643P2	0.50279653	1.3288188	-1.0552756	1.0940597	MGC80262	NM_001091737.1
DM10414P2	0.5028735	-1.0910375	-1.1467872	-1.1147413		
DM05064P2	0.5031036	1.1440287	1.0987978	-1.037623		
DM05593P3	0.5032457	-1.0526477	1.0101347	-1.0368145		
DM00259P2	0.5032658	1.1848861	1.2253449	1.1764187	ZFAND2B	NM_001095372.1
DM09880P2	0.5032724	-1.0617094	-1.0732932	-1.0431547		
DM06060P2	0.5032844	1.4985523	1.1291322	1.3622378		
DM13329P3	0.5033184	1.1194625	1.2035116	1.089365		
DM09019P4	0.5034289	1.1172322	1.2062848	1.193733		
DM06059P1	0.5035579	1.1444618	-1.0033312	1.1916115	LOC1001235:	XM_001607963.1
DM11584P1	0.5035596	-1.0935876	1.0744873	-1.0615077		
DM12692P4	0.503566	-1.215659	-1.310834	1.2766279		
DM10900P2	0.5035834	-1.0013472	1.1760643	1.1830199		
DM12967P3	0.5037	-1.0097513	1.0231974	-1.1054568		
DM05016P3	0.50374925	1.1078651	-1.2221011	1.5581257		
DM03738P2	0.5038137	-1.1007231	1.1466037	1.3380133		
DM13236P3	0.5039109	1.1276208	1.0733917	-1.0656816		
DM05804P1	0.5039413	1.3463318	1.1742005	1.2430924	DGRI\GH125:	XM_001991296.1
DM14399P1	0.5039824	1.1364782	1.1727178	1.3038582		
DM13773P1	0.50405586	1.0408099	-1.5030073	1.0835887		
DM01024P3	0.504115	-1.0323468	1.0826932	1.0124458	LOC727108	XM_001122822.1
DM04599P2	0.5041229	1.294942	-1.2156122	1.1205449		
DM03311P1	0.5041951	-1.0029424	1.0147212	-1.0627623	RAB11B	XM_001147785.1
DM07439P1	0.50422615	-1.0882427	-1.1302273	-1.2432966		

DM03616P1	0.50435084	-1.1306726	-1.217788	1.0687169	LOC580325	XM_780392.2
DM10253P1	0.50454026	1.18857	1.1653683	1.1889024		
DM00135P3	0.50484544	-1.012983	-1.4699304	-1.2872292	LOC1002213	XM_002189117.1
DM13667P2	0.5050165	-1.1588197	1.0361255	1.077822		
DM02944P1	0.50513893	-1.0986134	1.0416546	1.2246295		
DM00588P3	0.50534695	1.0524105	1.1191831	1.1206621	LOC1001756	XM_002129364.1
DM13347P1	0.5055789	-1.0529464	1.0079302	-1.1063088		
DM03856P3	0.5058404	-1.085507	-1.011024	1.0526737	LACBIDRAFT	XM_001873992.1
DM04686P2	0.5058443	1.0541289	1.0962868	1.0612211		
DM09957P3	0.5059675	-1.0955739	-1.2101778	-1.1388086		
DM14149P4	0.5060626	-1.0555017	1.1124476	1.0341271		
DM09274P2	0.50614977	-1.0289949	-1.0496835	1.0809199		
DM04510P2	0.5061502	1.0416719	-1.14202	-1.2408181		
DM06229P1	0.506168	-1.0112312	-1.1514492	-1.319498		
DM12865P2	0.5065548	1.4441562	1.4635963	1.0015514	LOC593811	XM_793273.2
DM02029P3	0.50656635	-1.0601606	-1.1776341	-1.1189841	RER1	NM_001093371.1
DM08470P3	0.5065831	-1.2609541	-1.0390376	-1.4646878		
DM04514P1	0.50669163	-1.1069084	-2.4389825	-1.0561002		
DM14452P2	0.50670063	1.224596	1.2939906	1.1463996		
DM02603P1	0.5067399	1.1238414	-1.050409	1.007557		
DM09544P3	0.5068562	-1.0274223	1.0952954	1.1456584		
DM06592P1	0.50689274	-1.1683415	-1.0132667	-1.0534506		
DM14592P2	0.5070399	-1.0831704	-1.0460098	-1.1949993		
DM01630P2	0.507372	-1.0045747	-1.0121546	-1.1319109	CPIPJ_CPIJ01	XM_001863973.1
DM10088P1	0.50745827	1.1542321	-1.2394284	1.1374224		
DM07392P2	0.5075245	1.053097	-1.0024129	-1.0970118		
DM07998P1	0.5075819	1.0556018	-1.3484143	-1.4127569		
DM10056P2	0.5077279	1.0505838	1.1599147	-1.0728353		
DM07753P2	0.50780797	1.4543891	1.361027	1.1767453		
DM12669P3	0.5078112	-1.0862292	-1.111764	1.0807347		
DM01343P1	0.5078843	-1.116169	-1.1992247	1.1758587	EEF1A	XM_001269545.1
DM03483P1	0.5080317	-1.1460434	1.014876	-1.0649213	LOC657518	XM_963974.1
DM04215P2	0.5083483	-1.045404	-1.0442358	1.207347		
DM09858P3	0.5083741	1.0097786	-1.3433199	1.2251345		
DM02433P4	0.50843954	1.0089537	-1.0840461	1.0609722	LOC1000319	XM_001381044.1
DM12549P1	0.5085763	-1.0832207	-1.1440461	-1.1304995		
DM10652P1	0.508603	-1.0454304	-1.0964478	-1.005647		
DM04534P1	0.50872874	-1.0224198	-1.634646	-1.1469334		
DM07948P2	0.508884	1.0094622	1.1874745	-1.0098428		
DM06116P1	0.50914615	1.0717261	-1.117557	1.063668	DYAK\GE131	XM_002090468.1
DM08731P1	0.5092981	-1.0166146	1.1119514	1.0122771		
DM07222P1	0.5094964	-1.0099576	1.1307626	1.1196854		
DM09147P3	0.50964576	1.2522675	1.6631987	1.0537817		
DM00480P1	0.510011	-1.2391223	-1.0646094	-1.1226984	INX	XM_001649705.1
DM03777P3	0.51001835	1.0524284	1.193425	1.0926784	LOC660939	XM_967133.2
DM08936P1	0.5102735	-1.2392801	-1.123679	-1.3339609		
DM00896P3	0.51062137	-1.152472	-1.1515125	-1.0644729	LOC412876	XR_015030.1
DM13114P1	0.5107071	-1.2876872	-1.3604627	-1.2644442	PCCA	XM_001148773.1
DM15351P1	0.51074356	1.1378088	-1.1114875	1.123241		
DM05389P4	0.51077485	1.0481856	1.0263726	1.1554087		



DM11497P3	0.51102936	-1.0807049	1.0385003	-1.0018579		
DM05048P2	0.51111275	1.0724223	-1.1959378	-1.1086714		
DM04349P1	0.51131946	1.1655504	1.0356358	-1.0663183	MTCP1	NM_010839.5
DM01762P2	0.5113896	-1.0368991	-1.1241559	-1.1372341	DWIL\GK110!	XM_002070358.1
DM10373P2	0.5117498	1.0488223	-1.0904123	1.1081635		
DM03870P1	0.51180214	1.0784725	-1.0520006	1.2212535		
DM07893P1	0.5118378	1.2413001	-1.0627457	1.2433776		
DM01909P2	0.51210564	-1.0334451	-1.0534847	-1.1619017	MRPS11	NM_079658.3
DM12803P1	0.5121778	-1.058938	1.0448829	2.8937325		
DM13274P1	0.5122756	-1.1744981	1.1091884	1.0783668		
DM11370P1	0.5122978	1.4761758	1.4053904	1.0082098		
DM12655P1	0.5123582	1.4324131	1.2423022	1.3107728		
DM02324P1	0.5125407	1.065116	-1.0823035	1.2173328	DERE\GG172	XM_001980591.1
DM13481P3	0.51258916	-1.118104	-1.0544904	-1.0884411		
DM14849P4	0.512941	-1.1125576	-1.0474206	-1.1117781		
DM13324P1	0.5130838	1.1635672	-1.163303	-1.262603		
DM13508P3	0.51323795	1.169736	1.1773282	1.2044988		
DM08022P1	0.5133332	-1.0378915	1.0269105	1.0631034		
DM10072P3	0.51349455	1.0480596	-1.2272565	-1.071927		
DM02658P4	0.5135177	-1.0181558	1.0803746	-1.0536714	MAPKK3/6	NM_001078473.1
DM09985P1	0.5135528	1.0076971	-1.0851301	-1.0346895		
DM02930P3	0.513663	-1.1607925	-1.124289	-1.0026275	LOC577064	XM_777318.2
DM09460P1	0.5138047	1.1226472	-1.0628732	-1.1925716		
DM01959P1	0.513824	-1.0270568	-1.0342977	-1.1316236	AAEL_AAEL0C	XM_001655565.1
DM11606P4	0.51391494	1.0095546	-1.0824718	-1.0612757		
DM05055P4	0.5139821	-1.2391882	-1.4497123	-1.3169436		
DM08422P1	0.51401246	1.0762336	1.0142292	1.0879363	ISCW_ISCWC	XM_002415101.1
DM13111P2	0.5140807	-1.0788114	-1.132987	-1.1000041		
DM14362P2	0.51408917	-1.0543457	1.0153517	1.0345523		
DM14275P2	0.5141052	1.1981914	-1.0552108	1.0636946		
DM10039P1	0.51413685	-1.1091592	-1.3825893	-1.1790941		
DM15217P1	0.5141847	-1.1333507	-1.0459056	-1.0294919		
DM06019P1	0.51422113	1.2117643	-1.0881195	1.0760905	LOC725115	XM_001121000.1
DM04069P1	0.51439863	1.0873549	-1.0375353	-1.0865813	LOC408625	XM_392166.3
DM08047P3	0.5144284	1.1244569	1.334752	1.3261151		
DM03350P1	0.5144303	1.0066898	-1.0214005	-1.0334756	CHIT	XM_001841628.1
DM14596P3	0.51453245	-1.0561084	1.0896568	-1.043662	LOC550659	XM_623054.2
DM14637P3	0.51472193	-1.1802335	-1.4345118	-1.3582197		
DM10792P2	0.51491	-1.0449927	-1.0126173	-1.0178531	FG07581.1	XM_387757.1
DM15293P2	0.51492536	1.00525	-1.1138798	1.0701016		
DM13789P3	0.5149744	1.0899514	1.1296594	1.129394		
DM05798P1	0.5150026	1.023662	-1.3233845	-1.0786877		
DM09822P2	0.5151833	1.5907489	-1.0865105	-1.0709552		
DM07336P2	0.51524514	1.1219753	-1.0237458	1.0287446		
DM15415P1	0.5154988	-1.0005995	-1.0466926	1.008251		
DM05598P2	0.5154997	-1.1148919	-1.0654233	-1.0605069		
DM02689P1	0.51557046	-1.0890045	1.0007015	1.0111455	EIF2S3	NM_001087096.1
DM10071P1	0.5155876	1.1139796	-1.0389574	-1.2536258		
DM09241P1	0.51562905	-1.0847994	1.0432839	1.0318863		
DM12237P1	0.5156458	1.0546812	1.1033837	-1.0206159		

DM12040P3	0.51598364	1.0539031	-1.1817396	-1.0922724		
DM10674P2	0.5160449	1.2461903	-1.1316168	1.0065699		
DM05794P1	0.51611525	-1.0710238	-1.2414889	-1.1416115		
DM00758P2	0.51615196	1.0902603	-1.1126453	-1.1160852	HMGCR	NM_204485.1
DM04625P1	0.51617736	-1.0709137	-1.334751	1.2658856		
DM06579P3	0.5163242	1.2249961	1.5414304	-1.0714208		
DM11561P1	0.5165809	1.2052867	1.0202305	-1.0824171		
DM12783P4	0.51694494	-1.0911897	-1.2281314	-1.1236341		
DM10655P2	0.5171976	-1.0431707	-1.2566861	1.3885018		
DM08930P4	0.51723194	-1.1436079	-1.7058082	-1.0949951		
DM08491P1	0.5172413	-1.0349904	-1.0339925	1.1039969		
DM04278P4	0.5172811	1.1048374	-1.3575692	1.0489917		
DM07648P2	0.51736593	1.2390797	1.5113322	1.395575		
DM14787P1	0.51747495	-1.0540973	1.0459794	-1.0706781		
DM12226P1	0.5174971	1.0516584	-1.3387291	1.1291665		
DM05590P3	0.5176196	1.2278289	1.0661923	1.1910084		
DM13343P2	0.51765156	-1.0021534	-1.2198081	1.0608699	ISCW_ISCWC	XM_002408766.1
DM00922P2	0.5177064	1.1951652	-1.0219631	1.054363	LOC727425	XM_001123134.1
DM13308P1	0.5178263	-1.0884988	-1.0170095	-1.2046773		
DM03167P3	0.5178357	-1.0666803	-1.2946131	-1.2751791		
DM13259P2	0.51783764	-1.1855308	1.1431137	1.0429317		
DM05383P2	0.5179619	1.0335987	-1.1941435	1.0373166		
DM04401P3	0.51806855	1.0720172	-1.0568893	1.1394128		
DM06031P1	0.5180755	1.1161678	1.5198426	1.2628914	AAEL_AAEL0C	XM_001649991.1
DM05971P3	0.5183161	-1.0185912	1.0050093	1.0721788	B0272.4	NM_077182.1
DM05317P3	0.5183466	1.1129452	1.0604031	1.0720826		
DM14095P3	0.5183601	-1.2579963	-1.1885613	-1.0754321		
DM09026P3	0.51840717	1.1095201	-1.0010587	1.4092141		
DM10189P1	0.5185461	-1.2049491	-1.4023775	1.135157		
DM13843P3	0.5185509	-1.1010557	-1.1235151	-1.2654269		
DM11946P3	0.51855785	1.1841618	-1.037445	1.2209966		
DM04607P1	0.518579	-1.0975876	1.2089452	-1.0495307		
DM01604P3	0.5185927	1.104073	1.1227951	1.5609639	OBST-A	NM_134534.2
DM08558P1	0.5187323	-1.2538636	-1.0234739	-1.0786188		
DM14126P3	0.5187382	1.0604864	1.1712129	1.1393591		
DM06472P1	0.5190075	-1.1441925	-1.440325	1.1589396	CUTICLE PRO	XM_001659414.1
DM10533P2	0.51915395	1.0949486	1.1184369	1.0219707		
DM01729P3	0.51927584	-1.1117245	1.0054961	1.1297386	EIF2C1	XM_532563.2
DM02894P2	0.5194862	-1.0424266	-1.0502291	1.0911993		
DM13695P2	0.519518	1.0009373	1.2948624	1.2307158		
DM10874P1	0.51957494	-1.1412066	-1.0971838	1.1148098	DMOJ\GI194	XM_002004708.1
DM08415P1	0.51974595	1.2799926	-1.1705886	-1.0156199		
DM10653P1	0.51975924	1.0517776	1.0826616	-1.0109942		
DM02557P1	0.5197771	1.0150858	-1.0112231	-1.0376852	RPS16	NM_001033624.1
DM12869P2	0.5197974	1.4984069	-1.0812308	-1.3484592		
DM14213P1	0.5198432	1.5181578	1.279298	1.1907486		
DM05371P4	0.52021456	1.0153717	-1.1224886	-1.1132386		
DM08585P3	0.5203125	1.0208143	1.0132104	-1.0741574		
DM04188P2	0.5203784	1.0920715	1.3993036	-1.0553759	DVIR\GJ2443	XM_002054372.1
DM04935P3	0.52040505	1.2698281	-1.1919323	-1.0194744		

DM07393P3	0.5204234	-1.0826149	-1.1879004	1.003014		
DM12805P2	0.52044326	-1.2093164	-1.6693162	-1.2368493		
DM111100P1	0.52050436	1.0807557	1.4413757	1.2085811		
DM13589P2	0.5205314	1.0349852	1.2318588	1.2854258		
DM08735P3	0.52061874	1.1636337	1.2727157	1.0333436		
DM10090P3	0.5212038	-1.1492563	1.0604703	-1.0702562		
DM15353P2	0.52120906	-1.0012931	1.8399138	1.1235594	LOC576854	XM_777122.2
DM03073P1	0.5212652	1.1281024	1.0237274	-1.0326626	CPIPJ_CPIJ01	XM_001864448.1
DM06760P1	0.5212774	1.1855773	-1.4156101	1.1906298		
DM10055P1	0.5213795	-1.2324017	-1.1331993	-1.1184837		
DM03254P4	0.52144396	1.0733863	1.0405861	-1.0400844	PXT	NM_142391.4
DM12693P3	0.52146035	1.0328277	1.3535824	1.0828474		
DM07933P3	0.52146536	-1.2114921	-1.0793391	-1.0526457		
DM02470P2	0.5214697	1.0404305	-1.017841	1.2914512		
DM02604P2	0.5216741	-1.079953	1.0434468	-1.0875667	LOC656941	XM_963435.1
DM14635P3	0.5216795	1.0337301	1.0090908	1.1158224		
DM04908P1	0.5218168	-1.4655583	-1.0541061	1.0035651		
DM09865P3	0.5218245	-1.0047332	1.102333	-1.0081714		
DM08948P2	0.5218448	-1.0544614	-1.0970957	1.1349436		
DM09873P2	0.52185684	-1.4625695	1.0398122	1.0110034		
DM09141P1	0.52194864	-1.143253	1.0073408	-1.0441754		
DM00231P3	0.52209145	-1.1033508	-1.0777186	-1.2617166	LOC1001137	XM_001600081.1
DM04005P1	0.52213407	1.0939541	1.0821539	1.0570438		
DM11774P3	0.52233243	1.0441078	-1.0721425	1.0940629		
DM02907P1	0.52236307	-1.1757168	-1.0727471	-1.0601538		
DM04092P3	0.5223764	-1.0032012	-1.1481417	-1.1217316		
DM01357P1	0.5225416	1.1378343	1.0506537	1.0722268		
DM06765P4	0.5225462	-1.1289272	-1.1926299	-1.3022658		
DM00171P3	0.5225755	1.0453259	-1.0830028	1.0673666	ISCW_ISCWC	XM_002416222.1
DM04818P3	0.5226046	-1.2537118	-1.4208678	-1.1490626		
DM13799P2	0.5227151	-1.0165354	1.0566386	-1.0657468		
DM07186P1	0.52271813	1.1487148	1.2806401	-1.0840224		
DM07053P2	0.52273476	1.0071644	-1.115688	1.0489763		
DM06109P3	0.52277505	1.0165609	-1.0864695	-1.1179357	DMOJ\GI119	XM_002008144.1
DM02369P2	0.52300507	1.1280648	1.2909741	1.2596569		
DM12235P3	0.5231071	1.011336	-1.2477808	-1.2047899		
DM04252P2	0.5234016	-1.0689664	-1.0590993	-1.1340284		
DM00843P1	0.5235591	1.0080003	1.0408007	-1.0607814	DWIL\GK166	XM_002062449.1
DM00760P1	0.52358687	1.0967077	1.0655434	1.2053329	USP2	NM_001142050.1
DM06500P2	0.5235965	1.1666563	1.1557221	1.0745826		
DM03797P2	0.5237738	-1.0768318	1.1536996	1.1274304	DPSE\GA100	XM_001357982.2
DM14893P1	0.52397466	-1.0442882	-1.2461301	-1.0517554		
DM11661P2	0.5240073	1.0292401	1.0054132	-1.101068		
DM09445P1	0.52406013	1.1799037	-1.083066	1.0616817		
DM08406P3	0.5242066	-1.0599809	-1.4138365	-1.1085396		
DM06405P1	0.52427125	1.1463825	1.553403	1.1941215	LOC1001657	NM_001134286.1
DM09637P1	0.5245275	1.1556064	1.0119156	1.143046		
DM14824P3	0.5245613	-1.0721692	-1.0634612	1.1261705		
DM05351P1	0.5245705	-1.0990509	-1.2394315	-1.2712996		
DM08966P1	0.52458036	1.0047072	-1.0179619	-1.2857322		

DM12671P1	0.5247709	-1.0123048	1.0129588	1.094003	
DM11639P2	0.52483785	-1.0941652	-1.0178479	-1.084042	
DM01984P3	0.52486897	-1.0328132	-1.2013093	1.0389639	DSIM\GD195\XM_002102404.1
DM111150P1	0.5249589	-1.0284133	1.0446486	1.1877207	
DM06411P1	0.5250098	-1.0128162	-1.0567425	1.1284077	
DM13082P1	0.5253089	1.1847739	1.1193056	1.2815454	
DM07457P1	0.5253124	1.0392057	1.043306	1.1187056	
DM04608P2	0.5253574	1.0461873	1.5129939	1.1885517	DWIL\GK110\XM_002070358.1
DM01797P4	0.525418	-1.2288175	-1.2524514	-1.112773	RBCN XM_001657781.1
DM06545P2	0.5254827	-1.2042776	1.2924767	1.0434312	
DM15324P3	0.5254847	1.2445304	1.3649173	1.011995	
DM09785P3	0.5255587	1.0073575	-1.0283325	1.126279	
DM12103P2	0.5256636	1.1718324	1.1236717	1.3034286	DVIR\GJ1447 XM_002051076.1
DM07827P1	0.5257334	-1.0020779	1.0071597	1.0808401	
DM12088P3	0.5258364	1.5304146	1.1850296	1.354543	
DM08973P1	0.52593833	-1.055553	-1.0012214	1.129874	
DM07183P2	0.5259768	1.0913477	1.2450532	1.1452322	
DM10029P2	0.5260053	1.0789671	1.3093532	1.084418	
DM03306P3	0.52603275	1.2754058	1.0474558	-1.2427756	BRAFLDRAFT_XM_002593550.1
DM11516P1	0.52604747	-1.0399904	-1.0571762	-1.1480957	
DM03041P1	0.5261533	-1.1495131	-1.111841	-1.1550303	BRAFLDRAFT_XM_002586200.1
DM03712P1	0.52619594	1.1166006	1.1954739	1.1667335	DSEC\GM104 XM_002038669.1
DM13569P1	0.5263845	1.0211111	1.0427876	1.1804026	
DM05566P3	0.5265605	1.0513942	1.2153771	1.2049813	
DM07755P3	0.526604	-1.2187896	-1.1008465	1.0391871	
DM01510P1	0.52672225	-1.0092251	-1.0395548	1.000656	
DM08261P3	0.5268027	1.1569108	-1.1232646	1.1113937	
DM10637P3	0.52687675	1.0751048	-1.1454283	1.1115307	
DM13899P2	0.527041	-1.0454077	1.1543745	1.3560106	
DM07456P1	0.52704805	1.1042504	1.0772644	1.1896636	
DM12879P3	0.5271085	1.0763268	1.0354207	1.1655761	
DM04555P3	0.52714306	1.5215799	1.6046107	-1.1011826	
DM01150P2	0.5271993	-1.0296564	1.0549164	1.074939	LOC575675 XM_776062.2
DM08252P1	0.5273801	1.1781781	-1.141836	-1.0775669	
DM12939P1	0.52740127	-1.0812217	1.1108	-1.098736	
DM10906P1	0.52762055	1.1499707	1.0083747	1.0350313	
DM04452P3	0.52777505	1.0274471	1.0901341	1.2547891	
DM08017P3	0.52777857	-1.15344	-1.0324777	-1.1086749	
DM14120P1	0.5278224	1.0652789	1.0479013	-1.3336476	
DM09863P2	0.52784216	1.0743656	-1.0402331	1.101708	
DM07236P4	0.52785033	1.046024	1.1032565	-1.2179021	
DM02759P2	0.52792996	-1.1690383	1.0389543	-1.1434585	LOC726494 XM_001122226.1
DM10471P1	0.5280147	-1.0666308	1.070873	1.0575548	
DM11748P2	0.52803826	1.0336044	1.2726531	1.2499367	
DM15133P3	0.5281329	-1.11963	-1.2929622	-1.0025475	
DM05723P2	0.5281928	1.1910955	1.1966033	1.2724867	
DM10681P2	0.52819437	1.2375898	1.0232536	-1.1091089	
DM14742P2	0.52821106	-1.350368	-1.2350243	-1.6894317	
DM03118P1	0.52834696	1.0474653	-1.0285754	-1.0983955	
DM15396P1	0.5284308	1.1042638	1.0930691	1.1354682	

DM08411P1	0.52844363	-1.1021234	1.1302335	-1.0698493		
DM00566P1	0.5284786	1.0409523	1.040065	-1.0548149	DWIL\GK130	XM_002073492.1
DM14764P2	0.52853346	-1.2204856	1.234043	-1.0424808		
DM02250P3	0.52859974	-1.0658385	-1.1285653	-1.0401951	LOC1001655	XM_001950795.1
DM11821P1	0.52859974	1.0507323	1.2188978	1.1531261		
DM12346P3	0.52876276	1.0549	-1.0836715	-1.0961589		
DM06890P1	0.5288434	-1.0650259	-1.0271364	1.0320635		
DM01951P2	0.5288751	1.3090152	1.3575339	1.2459058	DWIL\GK226	XM_002072005.1
DM00933P1	0.5289011	1.1959187	-1.0272739	1.2084785	ECE1	XM_001654791.1
DM08230P1	0.5289994	-1.1309619	-1.0277758	-1.0755512		
DM12826P2	0.5290126	1.1818175	1.0103451	-1.1091039		
DM14900P1	0.5291098	1.3296518	1.0233864	1.3854967		
DM11176P2	0.5292436	-1.2543035	-2.241541	1.1251924		
DM06343P3	0.52930397	-1.0679535	1.021013	1.1490358		
DM04130P1	0.5293084	1.2095944	-1.0006253	-1.038386	ATP1A1B	NM_131690.1
DM14963P3	0.52946883	-1.0980384	1.0176812	-1.0741762	MRPS10	NM_001159988.1
DM07223P1	0.5296384	1.0922574	-1.0294197	1.1093127		
DM04933P3	0.5297251	1.0081018	1.1692339	-1.0998735		
DM07915P2	0.5297436	-1.002842	-1.0872295	1.1638696		
DM05116P2	0.52985144	-1.0142449	1.115393	-1.014269		
DM03015P2	0.5299304	-1.0321162	-1.0851765	-1.1544077	POLR2D	NM_027002.3
DM00263P3	0.52993107	1.1689644	1.1512276	1.1461899	BRAFLDRAFT	XM_002593637.1
DM01003P2	0.5299933	-1.1661408	1.0511916	-1.0206987	LOC660900	XM_967097.1
DM03083P4	0.53019536	-1.0508599	1.0494927	1.0432636		
DM06262P1	0.5302558	2.241704	1.3063749	-2.7335072	CP3	XM_001949845.1
DM05343P2	0.5303688	-1.1300297	-1.5162169	1.062403		
DM11329P1	0.5303743	1.0268466	1.065059	-1.0707581		
DM04210P3	0.5304628	1.1662349	1.4065121	1.2100384		
DM14837P2	0.53051203	1.1130883	-1.02407	1.0124248		
DM06018P1	0.53058153	-1.1239471	-1.1000959	-1.0224687	DWIL\GK135	XM_002072692.1
DM02947P3	0.5307383	-1.1093974	1.1022917	1.09168	BIRC2	NM_001048023.1
DM03692P2	0.5311642	-1.1920358	1.0153936	1.1339152		
DM01719P3	0.5312599	1.5919133	1.3828131	1.1344413		
DM01853P1	0.53131294	1.0595738	-1.0888971	-1.0399561		
DM14998P3	0.5313407	-1.1554891	1.2317252	1.5117633		
DM13363P1	0.5314059	-1.100037	-1.0871732	-1.0406138		
DM01710P2	0.5314764	1.0156361	1.0894246	1.099532	LOC579018	XM_779153.2
DM07094P3	0.5315102	1.251088	-1.0532397	-1.134357		
DM14329P4	0.53159	1.105941	1.1444882	1.1332694		
DM01900P1	0.53191596	1.015475	-1.031908	1.0324613	DPSE\GA148	XM_001358967.2
DM11576P2	0.532352	-1.0011535	-1.1551082	1.3555707		
DM00333P4	0.53238827	1.002524	-1.1261911	-1.1154381	RAB6	NM_001161967.1
DM12677P2	0.53239685	-1.0151435	-1.0075228	1.1578907		
DM06111P2	0.53241193	1.0239956	1.2328852	1.0486424	NEMVEDRAFT	XM_001639582.1
DM07277P3	0.5324404	-1.0662864	-1.4456928	1.0312774		
DM15150P3	0.532659	-1.3558354	-1.3423228	-1.4970325		
DM12936P1	0.53273666	-1.0076541	1.0430373	1.123527		
DM04392P3	0.5327791	1.0242523	1.0490142	1.0754277	STAT92E-LIK	XM_397181.3
DM07047P2	0.5328154	1.1453128	-1.0584086	-1.0085194		
DM12969P1	0.53285193	1.0219349	1.0439911	1.0962538		

DM07813P1	0.5330256	-1.101102	-1.0280486	-1.127118	
DM10592P3	0.5330575	1.0042065	-1.0257958	-1.0702578	
DM09377P1	0.5332295	-1.1043706	1.0572956	-1.1204559	
DM08596P2	0.5332696	1.5169984	1.3386348	1.0427696	
DM05899P1	0.5333608	1.0022752	-1.4877862	1.117888	LOC582286 XM_782245.2
DM01811P3	0.5333696	1.1016017	1.0666229	1.1691974	AAEL_AAEL0C XM_001652225.1
DM12417P1	0.53338444	1.0775658	-1.0171672	1.0035353	
DM02332P2	0.5334097	-1.1112715	-1.0313545	1.1134468	
DM05805P3	0.53349274	1.1417258	1.0047468	1.025025	TRIADDRAFT_XM_002111452.1
DM08147P2	0.5335773	1.0500287	1.1040608	1.0084842	
DM06402P1	0.5337361	-1.0291601	1.083722	-1.0674307	DYAK\GE254' XM_002096070.1
DM11112P1	0.53385574	1.1894553	1.0263426	2.1335497	
DM05884P3	0.53392327	1.0321714	1.1456957	1.039147	
DM00575P2	0.5339844	-1.0929195	1.2298825	-1.0633544	CPIPJ_CPIJ01 XM_001851443.1
DM13841P3	0.53419006	1.0227199	1.2403331	1.0692412	
DM14006P1	0.5345289	-1.0767642	1.0178246	-1.1929504	
DM09707P1	0.53456706	-1.0540645	1.0433879	1.0624512	
DM01607P2	0.53457344	-1.1229638	-1.1342779	1.0593393	NDUFS8 NM_001162323.1
DM13617P3	0.5346014	1.0178394	-1.2969407	-1.1510545	
DM08844P1	0.53461736	-1.1314867	-1.1437525	-1.0659457	
DM10287P3	0.5348619	1.1501824	-1.2491013	1.3223735	
DM03961P1	0.53487366	-1.007225	-1.0986288	1.0747187	
DM04209P2	0.5348743	1.0826285	1.0623803	-1.2312423	AGAP_AGAP0 XM_318679.4
DM05680P2	0.53488386	1.0031205	1.1188238	-1.1778812	
DM11414P3	0.5350116	1.0105339	1.0465654	1.1124526	
DM13423P2	0.5353084	-1.0533624	1.0746813	-1.107245	LOC1001198' XM_001603545.1
DM06125P1	0.5353084	-1.0321968	-1.1215161	-1.0157896	LOC659663 XM_965949.2
DM04790P1	0.53538096	1.5901265	1.8519661	-1.0143443	
DM08021P1	0.53559375	1.1637603	1.147933	1.0562255	
DM13544P2	0.5357953	-1.0019251	1.0290719	-1.4354374	
DM08952P3	0.5358428	-1.1079714	-1.1668245	-1.0259655	
DM04489P2	0.53590715	1.1713908	-1.1262524	-1.0527508	
DM09013P1	0.53596336	-1.0332162	-1.1003253	1.2892646	
DM01601P3	0.5360579	-1.0397938	-1.079964	-1.0958763	DVIR\GJ1674 XM_002051617.1
DM01782P2	0.5362473	-1.000328	-1.021646	1.0862976	LOC1000561' XM_001502988.2
DM10004P3	0.536276	-1.0097182	1.0011971	-1.2102036	
DM05201P3	0.53627664	-1.1238446	1.4881104	1.0051441	
DM04899P2	0.5363344	-1.0475754	-1.1274934	1.0114399	
DM03614P1	0.5365734	-1.0704277	-1.2340273	-1.1906755	DSEC\GM158 XM_002039714.1
DM08568P3	0.5366996	1.9243844	1.3412099	1.1630157	
DM09628P3	0.53685623	-1.0576358	-1.0313761	-1.1136854	LOC1000850' XM_001515436.1
DM08084P4	0.536938	-1.0965384	-1.0454313	-1.020047	
DM02702P2	0.53695357	-1.0096743	-1.0080996	-1.1183126	CNOT7 NM_001006454.1
DM14864P3	0.53699493	-1.0599377	-1.0500451	1.1536813	
DM10977P1	0.53704715	1.0290577	1.0895541	-1.1166486	
DM03482P3	0.53721654	-1.2129923	-1.0428855	-1.38135	AAEL_AAEL0C XM_001658931.1
DM12004P2	0.5374629	1.1371117	1.1621884	1.047113	
DM10837P2	0.5376163	-1.265702	-1.1008385	-1.1515976	
DM02631P2	0.5376737	-1.1695297	-1.230696	1.0092363	DSEC\GM180 XM_002037815.1
DM04201P1	0.5377093	1.0235085	1.1469983	1.1742028	

DM15196P2	0.53795755	1.3639764	1.2083697	1.4398173	
DM01140P2	0.5383169	-1.0063423	1.0740035	1.1679301	AGAP_AGAP0 XM_315029.3
DM14627P2	0.53833246	-1.0949595	-1.42818	-1.0661038	
DM08577P1	0.5383454	-1.002853	-1.0967209	-1.0694717	
DM10713P2	0.5384251	-1.2777207	-1.3246015	-1.064622	
DM12201P2	0.5384994	-1.1859875	1.1438162	-1.4032464	
DM05987P2	0.53874856	1.0969622	-1.1084224	-1.166378	LOC1000089:NM_001082173.1
DM00141P3	0.5388049	-1.0306696	1.0767936	-1.0314258	LOC1001190:XM_001602849.1
DM05753P3	0.5388434	-1.0833825	-1.2590894	-1.1486804	
DM14890P2	0.5388993	1.0725138	1.1355636	-1.1748943	
DM05847P3	0.539071	-1.1158679	-1.0624471	-1.1860328	GALK XM_001650025.1
DM12411P1	0.53913474	1.2487016	1.0119519	1.160857	
DM14741P3	0.53913563	1.0659931	-1.1782632	1.2438693	
DM15001P1	0.5393221	1.4121059	1.2439884	1.0307617	
DM03599P2	0.5394123	-1.0065286	1.1249564	1.088467	
DM02436P2	0.5396193	1.1103982	-1.2969167	1.2642621	
DM02105P3	0.5398315	-1.1490396	-1.0901386	-1.292632	LOC1001994:XM_002160017.1
DM00711P1	0.5401026	1.1081973	1.0070617	1.0591248	PRKC XM_001652359.1
DM05521P3	0.5402077	1.011	-1.0876188	1.092777	
DM09752P4	0.5403163	1.1160842	1.0259013	1.0513672	
DM12880P2	0.54039097	-1.0544624	-1.0317265	-1.0553713	
DM05022P3	0.54071134	1.0138147	1.07392	-1.0614294	LOC656418 XM_962951.1
DM01239P1	0.5407495	1.0026412	-1.136781	-1.1231079	
DM09805P2	0.5407977	1.1470405	1.5214524	1.4554447	
DM08764P1	0.54085255	-1.1267481	1.0147691	-1.196337	
DM08295P1	0.5409541	-1.066004	-1.1024114	1.2863965	
DM03866P1	0.54104453	-1.2634219	-1.0957525	-1.418668	LOC409822 XM_393312.3
DM01351P3	0.541055	1.073608	-1.0590124	1.1372136	LOC409424 XM_392938.3
DM10367P4	0.54118043	1.2955598	1.2023062	1.5217608	
DM13389P2	0.5413432	1.0018559	-1.3232514	1.1215571	
DM04397P1	0.5414298	1.146219	1.1630412	-1.1617271	
DM08377P1	0.5414385	-1.0134383	-1.167077	-1.0523119	
DM04554P2	0.5416304	1.1142596	-1.1932452	1.5595804	DPSE\GA232:XM_002135689.1
DM07645P1	0.5416373	1.057498	-1.7249368	-1.1463811	
DM09553P1	0.5416757	-1.0445639	1.0767215	-1.1055465	
DM00783P2	0.5418664	1.0658741	-1.1988711	1.1342303	
DM01465P2	0.5419346	-1.1191361	-1.0273937	1.0964131	TC00.104705 XM_801945.1
DM00579P1	0.54202616	1.0056709	-1.073823	1.0163177	LOC1001221:XM_001605710.1
DM13708P2	0.5420338	1.0352995	1.2899412	1.1380608	
DM11467P3	0.54205364	-1.0330708	-1.2736996	-1.2727175	
DM12678P1	0.542133	-1.035123	-1.0285629	-1.1062098	
DM14491P1	0.5421397	-1.0445296	1.0679923	1.1438581	
DM00200P3	0.54218775	-1.0526044	-1.1049062	-1.0949088	ECH1 NM_001005704.1
DM08661P1	0.54255784	-1.0950084	1.1382953	1.0720091	
DM03342P2	0.542633	-1.1269006	1.0546974	-1.0610368	LOC1001239:XM_001607650.1
DM10682P2	0.54280066	-1.2016399	-1.2203788	-1.475442	
DM09158P3	0.54284585	1.1304615	-1.1658542	-1.038498	
DM04355P3	0.542948	-1.1947534	-1.0522852	-1.3540069	
DM14344P1	0.5431641	1.065674	1.1362664	-1.0326508	BRAFLDRAFT_XM_002591587.1
DM10492P1	0.54317707	1.0180669	-1.2190711	-1.0195096	

DM07890P1	0.5434538	1.102607	-1.0631188	-1.0955125		
DM03252P2	0.54366237	1.0772603	1.079576	1.0228792		
DM05751P3	0.54389626	-1.0353943	1.0733032	1.0622467		
DM07388P3	0.5439758	-1.1293312	1.291881	1.0166016		
DM10930P1	0.54400754	1.1030747	1.1346954	1.2150506		
DM02818P3	0.54408526	-1.001228	1.0139798	1.0937443	RPL36	NM_166855.1
DM03580P1	0.54413474	-1.1856992	-1.0397784	1.0119025		
DM08404P1	0.5441461	-1.1201978	-1.038873	-1.090814		
DM08853P1	0.544147	1.1182073	-1.1178728	1.6411126		
DM06374P1	0.5441493	-1.207202	-1.1103039	1.0736876	CP17	NM_001172262.1
DM12498P2	0.5442205	1.004465	-1.1062361	-1.1390827		
DM12790P1	0.5442982	1.0189332	1.0017065	1.2402155		
DM10136P2	0.5443676	-1.1955818	1.0648187	-1.0428876		
DM13991P3	0.5443842	1.1304009	-1.280843	1.2090058		
DM15128P3	0.5444395	1.4130887	1.1537917	1.3492509		
DM01125P3	0.54447156	1.1908336	1.1100897	1.0905377	NEMVEDRAFT	XM_001638907.1
DM06970P3	0.5445139	-1.1708404	-1.185468	-1.1999222		
DM12462P3	0.5445484	1.0346963	1.0150794	1.1175766		
DM12263P3	0.5445759	-1.0974611	-1.0580342	1.0203508		
DM01082P4	0.5447686	-1.0063808	-1.1444951	-1.1159071	AAEL_AAELOC	XM_001653959.1
DM01265P3	0.54482126	1.0615094	-1.0391611	-1.0624262	LOC587847	XM_787557.2
DM07789P1	0.544834	-1.0883787	1.2757478	1.0891321		
DM08367P2	0.5448551	1.0458951	1.1311443	-1.0964705		
DM06559P1	0.54499763	1.0390279	-1.0398407	1.1690321	E1012E08.TM	XM_001238746.1
DM08858P2	0.5453368	1.0612257	-1.0275594	-1.1588132		
DM08155P2	0.54539305	1.005518	1.3243247	1.1801605		
DM07682P1	0.54551435	-1.1075321	-1.0432014	1.0848267		
DM06785P4	0.5456926	1.3332512	1.2699505	1.1361748		
DM06329P3	0.54573005	1.3472587	1.7849375	1.1011329	PB103351.00	XM_666562.1
DM05463P1	0.5457433	1.0193214	-1.0673405	1.0490572		
DM00257P1	0.5457574	1.0363239	-1.262293	1.1007092	DSIM\GD189	XM_002103488.1
DM12663P3	0.54583615	1.1306291	-1.0095675	1.017786		
DM04831P3	0.5459566	-1.0141995	1.0105958	1.0904822		
DM12070P3	0.54609007	1.0620525	-1.2186221	-1.0927429		
DM01894P1	0.5465221	1.1082175	1.1006702	-1.0189663	SC5D	NM_001140116.1
DM11876P1	0.54664713	-1.8016089	-2.639563	-1.7751269		
DM01427P3	0.5467304	-1.04231	-1.316546	-1.1084373	BRAIN CHITII	XM_001655923.1
DM14949P1	0.5467901	-1.0412059	-1.1820165	-1.2014867	NDUFB8	NM_001162698.1
DM07059P1	0.5469493	1.103783	-1.1655682	-1.0741497		
DM07385P2	0.54695225	-1.1062099	1.0988994	1.0969118		
DM05627P2	0.54697895	-1.0764507	-1.007903	-1.0517777	FAM20B	NM_001076185.1
DM04530P3	0.54704857	1.3292242	-1.0019422	-1.021091		
DM00792P4	0.547149	-1.0688752	-1.0742382	1.0245479	LOC1001170!	XM_001601341.1
DM14220P1	0.5471559	1.194061	1.0117105	1.1803058		
DM08157P4	0.5471667	1.0726696	-1.1829821	1.0668821		
DM10289P2	0.5474538	1.0859842	-1.2043667	-1.0084207		
DM02688P1	0.547532	-1.1372958	-1.1494697	1.0444328	LOC1001614!	NM_001163041.1
DM01007P2	0.54772145	1.315382	1.2864801	1.1483521	GPIIIA	NM_001082066.1
DM08866P2	0.54775965	-1.2261579	-1.1932201	-1.0960128		
DM08548P3	0.54782844	-1.056824	-1.1899654	-1.1057919		



DM03108P1	0.5480159	-1.0995489	-1.0043527	-1.1765587	LOC1001612:XM_001952071.1
DM05708P1	0.5480683	-1.067683	-1.0794232	1.2090515	
DM10770P3	0.5483057	-1.1068861	-1.0770357	-1.1053141	
DM02824P1	0.54833806	1.1699013	1.1004857	1.1089528	LOC1001808(XM_002120828.1
DM12929P1	0.54839337	-1.3457801	-1.119158	-1.1657602	
DM02629P3	0.54844624	-1.121028	-1.1292511	-1.2118858	DSIM\GD239\XM_002079480.1
DM11998P4	0.5485353	1.0405093	1.1551172	1.1695302	LOC1001609\XM_001945161.1
DM15083P2	0.548551	1.2516822	-1.1589899	1.007952	
DM10133P1	0.5485591	1.0343786	-1.076941	1.2047652	
DM07110P1	0.5485828	1.0513891	1.3011646	1.0115924	
DM09294P1	0.5486642	1.0153425	-1.2574124	-1.4242929	
DM01173P1	0.5487303	-1.1716756	1.0592877	1.0414836	DMOJ\GI208(XM_002005991.1
DM10440P3	0.54876274	-1.1343149	-1.099619	1.0543683	
DM03456P1	0.5487913	-1.2905095	1.1581866	-1.0695565	LOC582285 XM_001182105.1
DM02415P1	0.5488057	1.0015057	1.0672235	1.1022793	DVIR\GJ1677\XM_002056847.1
DM07282P3	0.54880995	1.171663	1.6716787	1.3737595	
DM08543P1	0.54884374	-1.088582	1.026248	-1.1188678	
DM03847P3	0.54905164	1.0571603	1.1411468	1.174681	ALDH1A1/2/3\XM_002592173.1
DM08455P1	0.5491043	-1.0672652	1.0250998	1.0111543	
DM05720P3	0.5492044	1.0174452	1.1322592	1.1705546	
DM10109P2	0.54937863	-1.0987595	1.374897	-1.0610746	
DM02933P3	0.54940724	-1.1138862	-1.0677198	-1.118073	LOC1001140:XM_001600497.1
DM05610P4	0.5496554	1.1285805	1.1485928	1.2658697	
DM13954P4	0.5496853	-1.0954736	1.0947378	-1.1108207	
DM14964P2	0.5498328	1.189388	1.136284	1.2124364	LOC1002263\XM_002187967.1
DM14689P1	0.54983324	-1.0231832	-1.072026	-1.0152472	
DM02618P3	0.549906	-1.0056651	1.2462884	1.1758044	DSIM\GD149\XM_002077472.1
DM04651P1	0.55001277	-1.3512549	-1.0990583	-1.0222111	
DM07415P1	0.55027544	-1.1601382	-1.1528277	-1.1762459	
DM12591P3	0.55038947	1.0433922	-1.0815545	1.1356782	
DM11887P2	0.550401	-1.036316	1.0338501	-1.1455718	
DM05737P2	0.5504307	-1.1298094	-1.3444444	-1.1896764	
DM04893P2	0.5505393	-1.0406919	-1.1680123	-1.1445225	
DM09069P2	0.550659	1.0425519	1.0455806	-1.1080273	
DM05273P3	0.5507945	1.1735901	1.0576005	-1.1081169	
DM07898P4	0.5509097	-1.2255793	-1.1085263	1.0248414	
DM08242P1	0.55105263	-1.2148795	-1.0054139	-1.1399347	
DM12290P2	0.55112076	1.0059677	1.1120083	1.1454086	
DM11504P1	0.5512409	1.4066665	-1.0902542	1.3577096	
DM06901P1	0.5513269	-1.1327816	-1.097367	1.0676975	
DM02135P3	0.5514419	-1.0265647	1.0481831	1.1321391	RPL-38 NM_074459.3
DM11625P1	0.55155265	1.0462747	-1.1031666	1.1112024	
DM00873P3	0.551559	-1.0295273	-1.1023886	1.1021546	LOC584503 XM_784362.2
DM08811P1	0.5516199	1.1512921	1.139603	1.0960661	
DM15188P1	0.55166185	1.0074961	1.1892022	1.3947147	
DM04437P1	0.5516885	1.0757791	-1.0680416	1.1644694	
DM11206P1	0.55176497	1.2953423	1.0515221	1.1388689	
DM06000P3	0.5518338	-1.0628611	1.3025714	-1.0026698	LOC1001168(XM_001600810.1
DM06726P2	0.5519507	-1.1293461	-1.0906965	-1.5106472	
DM10377P1	0.5519823	1.2068791	1.5401548	1.322402	

DM07698P2	0.55202043	2.311792	1.3695188	-2.5095894		
DM11747P4	0.5520726	-1.0217655	1.0043386	-1.1122864		
DM04754P2	0.5521191	-1.0354946	-1.5024691	-1.1902621		
DM00556P1	0.5521432	-1.0604504	1.0189785	-1.0116969	UBE2K	NM_001005662.1
DM12583P2	0.5521505	1.0341783	1.1795216	1.0864047		
DM12867P2	0.5523105	-1.1535921	1.1744038	-1.189819		
DM08258P4	0.55243945	-1.1184553	-1.0201181	-1.0612414		
DM09405P3	0.5524415	-1.1233417	-1.055128	-1.053133	NEMVEDRAFT	XM_001632917.1
DM07511P1	0.5524977	1.0989224	-1.1048564	-1.1339493		
DM05926P4	0.55260676	1.0543714	1.1221988	1.2779524		
DM06194P3	0.55273396	-1.1983179	1.1655868	1.2634169		
DM12489P2	0.552813	1.1087183	1.2057291	1.1729656		
DM05342P2	0.5528322	1.0093486	-1.4573745	-1.2546774		
DM01966P2	0.5530547	-1.1309606	1.0107158	1.1822374	DPSE\GA232:XM_002135689.1	
DM07894P1	0.55346715	1.06669	-1.0278674	1.0344155		
DM13075P1	0.55354244	1.147041	1.2204846	1.0406326		
DM14983P4	0.55395794	1.0439869	1.0899252	-1.0569347		
DM09058P1	0.5541418	-1.1190298	1.0365949	-1.0317193		
DM03672P3	0.5542918	1.0460962	1.097231	1.2359575		
DM03013P1	0.5544074	1.1732482	1.064469	1.0525174	NEMVEDRAFT	XM_001639802.1
DM08224P2	0.55450606	-1.2375369	-1.0946996	-1.1436515		
DM08628P3	0.5545418	1.0063534	1.0456494	-1.4544079		
DM05375P3	0.5545644	-1.2746067	-1.8991548	-1.2074654		
DM13541P3	0.5545692	1.086162	1.1283282	1.2072684		
DM07679P2	0.5546353	1.1753274	1.0106095	1.1736711		
DM12343P2	0.5547115	1.1985699	1.2688719	1.0677625		
DM02857P3	0.5547516	-1.1052809	-1.1216438	-1.0166502	PGD	NM_001006303.1
DM10867P2	0.55476856	-1.150981	-1.0393205	-1.1406356		
DM11637P1	0.5550637	1.1429229	1.249193	-1.3764791		
DM11743P1	0.555157	-1.0329959	-1.0388519	-1.1254414		
DM10026P2	0.5552086	1.1190568	1.1346313	1.0991544		
DM02642P1	0.55527335	-1.121667	-1.1434749	-1.0798591	LOC1001681:XM_001950799.1	
DM11987P4	0.55534583	-1.061352	-1.0584855	-1.1462817		
DM11733P1	0.5554591	-1.276428	-1.9430529	-1.2190607		
DM03941P2	0.5557082	1.3965898	1.3157244	1.3643824		
DM06513P3	0.55590534	1.1184167	-1.0010328	1.0194995		
DM01846P3	0.5561385	-1.0137886	1.0143685	-1.0281012	SNOG_05978	XM_001796314.1
DM03899P1	0.5561412	1.2162126	-1.096826	-1.0168388		
DM04924P1	0.55645764	-1.3320856	-1.4997637	-1.0694438		
DM12499P1	0.5565132	-1.0716726	-1.1242791	1.1511856		
DM03768P2	0.5565753	-1.0769366	-1.0868764	-1.1045377		
DM11745P1	0.5566517	-1.0677316	-1.0322131	-1.130079		
DM12905P1	0.5567281	-1.0869823	1.8037083	1.2200168		
DM09089P3	0.55687165	-1.0721923	1.2173282	-1.0209047		
DM02713P1	0.55692494	1.1650398	1.4052389	1.0407115	TRA2	NM_001126238.1
DM11032P4	0.55693585	-1.0215914	1.0282598	-1.2142605		
DM03584P3	0.55698484	-1.148035	-1.1401169	-1.0390519		
DM07151P2	0.55699915	1.1101516	1.1310097	1.0267655		
DM14379P3	0.5572788	-1.4657714	-1.1111585	-1.3563032		
DM08018P1	0.5578727	-1.0998974	1.0753034	-1.0950935		

DM12050P1	0.55790204	1.0221609	-1.1791576	-1.0166525		
DM03729P3	0.5579052	-1.042277	-1.0959766	-1.0330498	ISCW_ISCWC	XM_002411103.1
DM14846P3	0.558162	1.0744408	1.0369629	1.0072998		
DM09798P2	0.55818427	1.006609	1.1663381	1.0454712		
DM02277P3	0.55824876	1.1041828	1.0421652	1.0677555	CPNE3	NM_027769.2
DM01421P2	0.55837226	1.4288236	1.5423855	1.5245842	LOC583677	XM_001193581.1
DM06274P3	0.55864984	-1.043999	1.1544778	1.2063187	DWIL\GK204	XM_002068395.1
DM09025P3	0.5587026	-1.0658909	1.0654281	-1.0026907		
DM07754P3	0.55890274	-1.0215076	1.002123	-1.1541402		
DM01489P3	0.5591061	1.5086348	1.4646603	1.1731542		
DM06743P2	0.5591666	-1.1645002	-1.1443923	-1.1631904		
DM03861P2	0.5592318	-1.0199953	1.1143922	1.0602063		
DM07730P3	0.55924094	1.1358198	1.1084598	-1.1926508		
DM10476P3	0.5593005	1.3019395	-1.0359229	-1.1539325		
DM13992P3	0.55949146	1.5408535	1.620782	1.2459629		
DM02486P2	0.5595626	-1.2853451	-1.0791165	-1.2879728	LOC552416	XM_624790.1
DM15051P3	0.55959946	1.0373555	1.0180745	-1.1539901		
DM00969P4	0.5596497	-1.1070309	-1.0639765	-1.019109	VHAAC39	NM_130724.2
DM08912P3	0.55973226	1.0885665	-1.06905	1.0699488		
DM07618P2	0.55981934	1.0872828	-1.0514201	-1.0792416		
DM07632P2	0.55988216	-1.0002837	1.1237698	1.0111554		
DM05695P3	0.559891	1.3064321	1.1362907	1.1936314	DERE\GG229	XM_001976541.1
DM09055P1	0.5600118	1.1449378	1.1815157	1.1528875		
DM14258P1	0.5600739	-1.1031852	-1.1008811	-1.1050775		
DM07862P1	0.5600846	1.106335	1.0151885	-1.0226665		
DM10146P1	0.56023973	-1.1617697	1.136621	1.3259487		
DM07888P1	0.5602766	-1.2879777	-1.0158714	1.1006303		
DM04900P1	0.5602994	-1.147183	-1.0033299	1.0977733		
DM12072P3	0.56043047	-1.3871492	-1.1788585	-1.2473764		
DM08665P4	0.5605818	1.067574	1.1484169	1.1440148		
DM15309P3	0.5606305	-1.3718398	1.113637	-1.4264162		
DM05622P1	0.56068784	-1.09076	-1.3246636	1.082552		
DM13735P1	0.5607266	1.0209742	1.0635872	1.0631943		
DM00730P1	0.5609526	1.0296226	-1.1129069	-1.1822462	LOC1001139	XM_001599149.1
DM09906P2	0.5610678	1.1346251	1.0334862	-1.0792551		
DM02902P2	0.56111836	-1.2628281	-1.1047807	-1.2183775		
DM06145P3	0.5615199	1.1169634	1.0928823	1.0366986	DVIR\GJ2071	XM_002049459.1
DM04244P1	0.56168604	1.1316903	1.1891646	1.0533785		
DM01721P2	0.5616872	-1.0423594	-1.0551491	1.110343	PABP	NM_001098353.1
DM03101P2	0.5617018	1.3278145	1.3357573	1.1311281		
DM12871P1	0.56171244	-1.0668583	1.0902697	1.3400388		
DM01777P3	0.56172407	-1.0478202	-1.0332912	-1.1983299	TRIADDRAFT	XM_002107945.1
DM09398P1	0.56182116	-1.0582504	-1.085573	-1.086655		
DM11334P2	0.56186694	1.1736106	1.3297411	1.2995664		
DM00301P1	0.5619287	1.203408	-1.1369706	1.3448871	LOC1000651	XM_001495795.1
DM14914P4	0.56193554	1.1196187	1.3269448	1.147261		
DM04572P2	0.56200916	-1.1688466	-1.0502223	1.0258404		
DM09374P1	0.5621181	1.2498438	1.440295	-1.041418		
DM08330P2	0.5621377	1.0700856	-1.0607289	-1.0671352		
DM01996P4	0.5621655	-1.3105685	-1.2053198	-1.2390449	LOC692797	NM_001046644.1

DM05441P2	0.56219995	-1.0228887	-1.1421082	-1.154667		
DM04960P2	0.5622241	1.1853083	1.1492869	1.3078157		
DM13124P3	0.56224805	-1.1875464	-1.125147	-1.1870086		
DM05582P4	0.56227994	1.3062946	1.0473917	1.0183877		
DM04040P4	0.56240445	1.0102654	-1.0321144	-1.0631033		
DM10002P4	0.5624127	-1.0019594	1.1044627	1.068354		
DM07817P1	0.56246054	-1.0561669	1.0128413	-1.0036079		
DM03801P1	0.5627362	-1.2923295	-1.101185	-1.09995	HKE-4.2	NM_078162.3
DM01538P3	0.56289935	-1.0689402	-1.0294788	1.0412265	CPIPJ_CPIJ01	XM_001862572.1
DM04995P4	0.5631443	-1.1263843	-1.398634	-1.1245809		
DM08655P1	0.56329495	1.1769978	-1.1258059	1.0641371		
DM05486P1	0.56342775	1.0159514	-1.0695797	-1.0260286		
DM06582P2	0.56348366	-1.1326967	-1.0364934	-1.190865		
DM10166P1	0.56372106	-1.0014611	1.0635395	1.0062798		
DM03371P2	0.5637544	1.2682031	1.3284131	-1.1729717		
DM07816P3	0.56377953	1.1102962	1.2473856	1.0487227		
DM03090P3	0.5638094	-1.0263624	-1.102163	1.0667325		
DM08814P2	0.5641346	1.373092	-1.0145478	-1.0904704		
DM09052P3	0.5641855	-1.0311068	1.0291322	1.0786786		
DM10917P4	0.564188	1.028381	1.1611348	1.014054		
DM09726P3	0.564244	-1.011321	1.112824	-1.1175178		
DM01493P3	0.56436735	1.0046823	-1.023284	1.0846591	SDCCAG1	NM_025441.2
DM10426P4	0.5644231	-1.0788759	1.0524246	1.013829		
DM13307P2	0.56460285	1.2581706	-1.1653854	-1.3363439	MGL_4172	XM_001728641.1
DM09314P1	0.56474316	-1.0346435	1.0600363	-1.1320914		
DM13088P1	0.56490904	1.3878715	1.092745	1.4681846		
DM05524P3	0.5649916	1.0610987	1.0452477	-1.072485	LOC727202	XM_001122912.1
DM14994P1	0.5651568	1.0870724	1.0337453	1.1970197		
DM09178P2	0.5652131	-1.1101558	-1.0338378	1.2046963		
DM13561P2	0.56523156	-1.2203406	-1.0372428	-1.2088996		
DM08928P2	0.5653192	-1.1003433	1.0026042	-1.0425419		
DM14002P3	0.5658465	-1.0068189	-1.0708377	1.10397		
DM15103P1	0.5658744	1.0547732	1.0513955	1.2012627		
DM06851P2	0.5660062	-1.5541486	-1.4138206	-1.5441024		
DM14417P2	0.56602997	1.060031	1.0175358	1.1385819		
DM08951P1	0.56618375	1.0553758	-1.10072	1.1914177	PB300950.00	XM_666320.1
DM09304P3	0.56630594	-1.0617403	1.2291758	-1.053962		
DM07906P1	0.5663062	-1.1082182	-1.0636493	-1.0787774	CPR146	NM_001171643.1
DM04991P2	0.56632835	-1.198507	-1.0630429	-1.2087674		
DM08120P1	0.56633776	1.0668993	1.2949423	1.3538146		
DM10084P1	0.56655264	1.3185996	1.0043288	1.2099471		
DM08322P1	0.5666174	1.0857337	-1.1926891	1.6043324		
DM09404P3	0.5666255	-1.0961057	1.0641485	-1.0054739		
DM10252P1	0.5667102	1.0415272	1.1402308	1.0199603		
DM09779P3	0.56676465	-1.1498337	1.0774646	-1.031588		
DM12687P2	0.56689924	1.1279466	1.035407	-1.0389011		
DM12935P2	0.56707007	1.0935762	-1.0685093	1.164592		
DM03264P3	0.5671722	1.0972047	1.1770381	1.1769		
DM13888P2	0.56738436	-1.0444736	1.0596629	-1.0375016		
DM01787P4	0.5674636	-1.0350709	-1.0044655	-1.0174352	RPL7A	NM_001078691.1

DM13792P2	0.56755936	-1.124482	-1.0426149	1.0473613		
DM02418P1	0.5677404	-1.1065555	1.0063778	-1.0278927	LOC657643	XM_964090.2
DM11213P3	0.56781876	1.2881435	1.0742091	1.0416927		
DM12345P1	0.5679024	1.1359516	1.2877682	1.3034178		
DM08787P1	0.56805027	1.1555609	1.0730286	-1.0039613		
DM11607P3	0.56812084	-1.4146383	1.1105695	-1.2072357		
DM07566P1	0.5681341	-1.0293317	-1.0076454	1.0755684		
DM06811P3	0.5683666	-1.2045832	-1.122126	1.0474949		
DM06226P4	0.5683785	-1.0555043	-1.0442631	-1.0994164		
DM14339P1	0.5683925	1.0430516	1.3221508	1.1909784		
DM08559P2	0.56843174	1.001877	-1.2383131	-1.0679444		
DM12788P2	0.56844753	1.1948159	1.1002735	1.1667651		
DM09715P1	0.56859934	-1.0331492	1.1010754	-1.0093725		
DM14651P1	0.5686388	-1.0449215	1.0631313	1.0989269		
DM11296P1	0.5686491	-1.0625799	-1.148842	1.0348619		
DM14534P2	0.56873995	1.096928	1.1072103	1.229368		
DM01017P1	0.5688037	1.0009954	-1.1647258	-1.1543652	TTHERM_001	XM_001019714.3
DM07258P2	0.5688457	1.0987347	1.066898	1.4102638		
DM07374P1	0.5688725	1.2516547	-1.2608359	1.0456016		
DM09887P1	0.5689365	1.0705436	1.0862801	1.1946653		
DM06966P1	0.5689868	1.0545293	-1.0803839	1.0166627		
DM11350P3	0.5690166	1.0834715	1.0904212	1.0368937		
DM08972P2	0.56907004	-1.0143872	-1.1760767	1.1949123		
DM12908P1	0.56913203	-1.04788	1.0092072	1.1320232		
DM10925P2	0.5694831	1.2088133	1.0633655	-1.0024456		
DM06117P3	0.5695251	-1.0370731	-1.0219247	1.0345263	LOC657776	XM_970882.2
DM13144P2	0.56995285	-1.1636981	-1.1445355	-1.0709294		
DM10812P1	0.5700431	1.1172141	-1.2016189	1.2368484		
DM04757P1	0.57012415	-1.2329115	-1.144567	-1.1162474		
DM07212P3	0.57012665	1.121742	1.1599001	1.0886973		
DM02593P2	0.5701395	1.4638935	1.2132933	-1.0015535	LOC576708	XM_001175714.1
DM10447P2	0.5701935	1.0081072	1.1026295	-1.1302139		
DM08807P1	0.5702544	-1.0067284	-1.0603477	-1.1272243		
DM03854P3	0.57033294	-1.0121915	1.1058761	1.1039083		
DM12938P1	0.57059985	-1.1325456	-1.1773162	1.0197786		
DM07441P3	0.5707782	-1.042949	1.1408124	1.1660173		
DM05346P1	0.570797	-1.0304797	-1.3841977	-1.2690237	SMARCA5	XM_001234485.1
DM07707P3	0.5708124	-1.060721	-1.0328674	-1.0042038		
DM01539P1	0.5708193	-1.0059464	1.1307559	-1.0093677	ITGB1BP2	NM_001097705.1
DM00397P1	0.57090044	1.1792996	1.0709567	1.082422	LOC1001154	XM_001600121.1
DM13226P2	0.570905	1.0221618	-1.1516533	-1.1683439		
DM11676P1	0.5710981	-1.0349052	-1.113497	-1.1391958	LOC1001235	XM_001607142.1
DM06029P1	0.57110685	1.0035381	1.021827	-1.1629604		
DM01988P4	0.57121485	1.0131799	1.0882025	1.0468212	NIT2	NM_001034126.1
DM06796P1	0.5712788	-1.0581326	-1.174005	1.0144179		
DM08765P1	0.5712827	-1.1340317	1.0081829	-1.1863228		
DM09807P4	0.5713869	-1.0569521	1.0441321	1.1877284		
DM03032P3	0.57139283	1.1944923	1.2907397	1.2093707	LOC594703	XM_001191012.1
DM14901P3	0.5714418	1.1687285	-1.2580572	1.0037472		
DM01220P4	0.5715395	1.0479851	1.0865513	1.0653089	AGAP_AGAP0	XM_554016.3

DM07123P1	0.5715409	-1.2039475	-1.0424376	-1.1935391	
DM13468P3	0.57158417	-1.1921833	1.024847	-1.1387019	
DM06769P3	0.57167083	-1.2408017	-1.2603287	-1.1204907	
DM07922P1	0.5716957	-1.1490086	1.1980768	1.033385	
DM04736P3	0.5718089	-1.1120509	-1.2459764	1.5002047	
DM04382P1	0.57185507	1.0152541	1.0195599	-1.0938971	
DM09071P2	0.57188153	-1.0373619	1.1885191	1.0468054	
DM13249P1	0.5719038	-1.1432596	1.0952152	1.1129099	
DM13108P1	0.57201797	-1.0515444	-1.0262175	-1.1317319	
DM02226P4	0.57219625	1.0557878	-1.0397722	-1.0257468	LOC1001606(XM_001951428.1
DM06575P4	0.5722294	1.0152596	1.1602647	1.3480042	YALIOC03894 XM_501418.1
DM07550P1	0.5722326	1.1843711	1.1275022	1.1251893	
DM03922P3	0.5726504	-1.0015134	1.0944185	-1.029312	
DM06072P3	0.57272124	1.0370827	1.0827538	1.2290646	
DM06290P1	0.5727466	1.1075829	1.45233	1.505047	DWIL\GK116(XM_002069559.1
DM07551P1	0.57275695	1.0084393	1.0075274	-1.1798408	
DM04151P3	0.5729356	-1.1387761	-1.1174614	-1.1902368	
DM05891P3	0.57305557	1.0270933	-1.0539881	-1.0763271	LOC1000880(XM_001517807.1
DM01829P3	0.57310784	-1.1735337	1.0134383	1.0425508	ISCW_ISCWC XM_002407972.1
DM04560P3	0.5731412	-1.059437	1.0501642	1.035163	DPSE\GA184(XM_001358084.2
DM09775P1	0.57314974	-1.1776248	1.0248291	-1.0598768	
DM05122P3	0.5731921	-1.0650734	-1.0617307	-1.0968524	MED XM_001654315.1
DM07812P2	0.57328403	-1.0642669	-1.0067711	1.024253	
DM02422P3	0.5733994	-1.0519954	1.0282791	1.1666005	LOC1001808(XM_002122993.1
DM08589P4	0.57355374	1.020833	1.0513351	1.176961	
DM11910P3	0.5738925	-1.0011699	-1.0327967	-1.0830508	
DM01976P4	0.57391804	1.2033132	-1.0696663	1.0049471	CSNK1E NM_204377.2
DM13651P1	0.57393	-1.0091678	1.0283444	1.1268381	
DM10680P4	0.57393235	-1.0585592	-1.487146	1.0204245	
DM09464P3	0.57411647	1.161981	-1.0815154	1.0242432	
DM01543P1	0.5742366	-1.0194342	1.1782813	1.0636297	LOC1000736(XM_001507786.1
DM07117P4	0.5743666	1.0876286	1.044079	-1.0923535	
DM04998P1	0.57440513	1.3044827	1.3221403	1.2062997	
DM11199P2	0.57448906	-1.053772	-1.2280557	-1.0196731	
DM10501P3	0.5745218	1.1859429	-1.150241	1.0577614	
DM05953P1	0.57455385	1.0090501	-1.0424764	-1.1056788	LOC409384 XM_392899.3
DM08231P1	0.5745783	1.1734011	-1.0850962	-1.076947	
DM13030P1	0.57458776	1.0135485	-1.132603	1.076346	
DM12238P1	0.5749341	-1.0035025	1.0737002	1.0397573	
DM10451P1	0.5752313	1.1942047	1.0945342	-1.1785139	
DM04121P1	0.5752592	-1.0208975	1.0172606	-1.0148298	DVIR\GJ1336 XM_002047260.1
DM06875P4	0.57529545	-1.0437135	-1.2531917	1.0110583	
DM14512P1	0.5754704	-1.205319	-1.2806988	-1.0391254	
DM11505P1	0.5754946	1.0047522	-1.0535599	1.1042781	
DM10766P2	0.57572794	-1.0791706	-1.0498358	-1.1194327	
DM10590P2	0.5757649	-1.034828	1.0265629	-1.0523221	
DM10358P1	0.5758353	-1.0315344	-1.0567282	1.0033118	
DM06423P2	0.575944	-1.1041191	-1.0250328	-1.0673236	ISCW_ISCWC XM_002416475.1
DM03138P2	0.576014	1.1087484	-1.2103295	1.228071	
DM10379P1	0.5760978	1.2887954	1.0395739	1.1676236	

DM08487P3	0.5761341	1.0525534	-1.1324863	-1.1632457	
DM13580P3	0.57613593	-1.0169975	-1.0907114	-1.1651102	E1012E08.TM XM_001238744.1
DM05360P2	0.5761807	-1.0655844	-1.0947769	-1.178481	
DM05006P3	0.5762664	1.0477589	1.0144223	-1.0838972	
DM11009P2	0.5762784	1.2040805	1.1487231	-1.0431314	LOC412885 XM_396337.2
DM05416P2	0.5764586	-1.2217628	-1.1274995	-1.1767056	
DM00253P3	0.57647955	-1.1150383	1.0240986	-1.0831175	RAD6 NM_001162282.1
DM02784P1	0.5765064	1.3685075	1.7646482	1.2977767	MGG_13625 XM_001408130.1
DM12149P2	0.5765403	-1.3130116	-1.2499729	-1.1169668	
DM00138P3	0.57654566	-1.0012017	-1.0859842	-1.0570487	TUB8 XM_002330576.1
DM01002P3	0.57658976	-1.1402937	-1.1184388	-1.0212555	LOC1001630! XM_001943554.1
DM02255P1	0.57660383	-1.0848689	-1.061127	-1.280049	
DM04250P2	0.5767302	1.0514587	1.268578	-1.2481768	
DM13749P1	0.57677114	1.1174065	-1.034334	1.1956257	
DM02986P3	0.5768273	1.4104621	1.3682308	1.4019542	CPIPJ_CPIJOC XM_001847804.1
DM10255P1	0.57704216	1.1038642	1.1050335	-1.1011741	
DM13631P1	0.57722247	-1.0646284	1.023953	1.0475589	
DM05873P3	0.57730013	-1.137891	-1.0483783	-1.0369979	DPSE\GA215! XM_001352414.2
DM10843P1	0.57735723	1.535148	1.5622267	-1.078608	
DM10334P2	0.57761616	-1.0803337	-1.0985466	1.1551073	
DM02361P2	0.5777098	-1.0305531	1.0167452	-1.1194056	AGAP_AGAP0 XM_319349.4
DM14492P1	0.5778356	1.0608808	1.0853803	1.0774692	
DM07876P2	0.57794917	1.0064381	-1.0639117	-1.0079741	
DM12640P3	0.5781585	1.0700735	1.1334242	1.0391238	
DM14474P2	0.5783066	-1.0058132	1.0087689	1.1614976	
DM07773P3	0.5783744	-1.0159402	1.2077435	1.2286634	
DM05887P2	0.57843596	1.108293	-1.0474862	1.0251454	
DM02905P1	0.57846093	1.0003967	-1.099502	-1.0738508	
DM08905P3	0.57864535	1.0753208	1.3108014	1.0219374	
DM04696P4	0.57866436	-1.082421	-1.110728	-1.1255637	
DM04335P4	0.578934	-1.0955379	1.0566384	-1.0949256	
DM06441P2	0.57896435	-1.0908691	-1.0143657	1.0260656	C4ORF34 XM_420745.2
DM01956P2	0.579065	-1.05824	-1.1108404	1.080944	ZGC:153668 NM_001076752.1
DM10846P2	0.579109	1.2203573	-1.1289784	1.1939534	
DM05863P1	0.57916087	1.1309074	1.0505245	-1.0008764	
DM11259P2	0.57925284	1.0173988	-1.0631207	-1.0906469	
DM07992P1	0.57964516	1.0185103	1.1013428	1.2427886	
DM09192P3	0.57970124	1.1716624	1.1857003	1.3373798	
DM01634P2	0.57982403	-1.0468847	-1.1307449	-1.0572033	AAEL_AAEL0C XM_001659470.1
DM06519P1	0.5801343	-1.162482	-1.2173108	-1.2726358	
DM01349P3	0.5801785	-1.0576929	-1.3818406	1.1467352	GNB1 NM_212609.1
DM04106P3	0.58057654	1.0932877	1.0158005	1.1994244	
DM03307P2	0.58065003	-1.0228643	-1.0841155	-1.0707965	ISCW_ISCWC XM_002412093.1
DM06480P1	0.58104193	-1.1235906	-1.0486046	-1.0375262	DGRI\GH239' XM_001996455.1
DM07708P2	0.58109015	1.0957133	-1.0168111	1.0901673	
DM10801P1	0.58112633	-1.0147012	1.0377806	1.0792979	
DM05020P1	0.5815687	-1.0529163	-1.0068182	1.0583248	
DM08063P1	0.5817931	-1.0159308	-1.1808512	-1.3420513	
DM08712P1	0.58181983	1.1742882	-1.4730738	1.0381459	
DM04587P2	0.581967	1.0328019	1.1120374	1.0215108	

DM04378P3	0.5820436	-1.274844	-1.3848225	-1.00238		
DM08182P1	0.58205104	-1.0603861	-1.1229722	1.183104		
DM11092P3	0.5820529	1.1676989	1.0268817	1.0635304		
DM13281P3	0.58207077	-1.0117223	-1.147259	1.1190293		
DM13713P2	0.58225	-1.3792778	-1.04097	-1.0759554		
DM13354P3	0.582318	1.2927477	-1.0239848	1.0034266		
DM05957P1	0.5825834	1.094502	-1.0493392	1.1689028		
DM10790P3	0.58261406	-1.2421657	-1.0685606	-1.120807		
DM07306P1	0.58263916	1.0766188	1.147782	1.0403079	DWIL\GK146\	XM_002065414.1
DM09689P4	0.5827497	-1.1478598	1.1202234	1.0375656		
DM06016P1	0.5828375	1.01214	-1.5290909	1.1788566	KPNA1	XM_393050.3
DM10248P1	0.58284634	-1.0713593	-1.0367882	1.0525278		
DM14551P2	0.58302224	1.0383754	1.1819122	1.0656685		
DM13551P1	0.5832611	-1.0959561	-1.3000963	-1.0524501		
DM08220P3	0.58327365	-1.2135516	-1.0282453	-1.1478215		
DM09631P1	0.583311	1.0307895	1.1180149	1.1757475		
DM07112P1	0.58331543	1.1471751	1.0005975	1.0108111		
DM03938P1	0.583486	1.1125829	1.1228032	-1.0274891		
DM10561P1	0.58355254	-1.0858564	-1.1020737	-1.0083755		
DM09826P3	0.5836064	-1.1032453	-1.1718856	-1.0994403	ISCW_ISCWC	XM_002412123.1
DM05001P4	0.58361226	-1.0041143	1.1478682	1.1324544		
DM01495P3	0.5836704	1.4291769	1.6925719	1.2218179		
DM06873P2	0.58377427	1.2069818	1.5350462	-1.1526469		
DM14280P1	0.58382124	1.0301796	-1.2435384	-1.2058249		
DM15166P4	0.583861	-1.0225394	1.0420874	-1.1475112		
DM06483P3	0.5839131	-1.144321	1.0097368	1.0567845		
DM11562P2	0.5840419	-1.0056173	-1.080263	-1.0849253		
DM11983P2	0.58413935	-1.0054009	-1.0502425	-1.1067516		
DM09827P1	0.584154	-1.0518404	1.0674471	1.1333945		
DM13548P2	0.5841661	-1.057071	-1.0706785	1.0229387		
DM11275P1	0.5842333	1.2213999	1.654981	-1.0454981		
DM03515P2	0.5843587	1.002824	-1.2784189	-1.0160378		
DM04949P1	0.5843619	-1.0732564	-1.1009403	-1.017028		
DM13025P1	0.5844366	-1.1968195	1.0280057	-1.2887775	LOC1000120\	XM_001366149.1
DM03179P4	0.5845215	-1.0412815	-1.1035568	-1.1247268	LOC1001418\	XM_001812034.1
DM11916P2	0.58517027	-1.0931218	-1.1244651	-1.3324517		
DM12998P3	0.585181	-1.2860352	-1.3437223	-1.1249365		
DM09049P1	0.58527035	-1.2306821	1.1663418	-1.145255		
DM10319P1	0.58543193	-1.0465463	-1.3862312	-1.1514243		
DM01408P2	0.58559746	1.0979166	1.1184834	1.0089363		
DM09457P1	0.58564055	-1.0027246	1.1790967	1.1259735		
DM11835P3	0.58567315	1.0096533	1.1550988	-1.0054321		
DM06361P2	0.58576095	-1.1319389	1.0020242	1.0820811		
DM05323P3	0.5858241	1.1770957	-1.0168667	1.0642114		
DM01865P3	0.5859489	-1.0048004	-1.1078647	-1.0748708	DWIL\GK140\	XM_002073312.1
DM06570P1	0.5859533	1.0044053	-1.015881	1.0722973		
DM09815P2	0.58610845	1.3795046	2.6305141	1.065577		
DM01818P1	0.5861136	-1.0950971	-1.0587327	-1.1021018	LOC1001170\	XM_001608124.1
DM12541P3	0.5861569	-1.0882024	-1.1014818	-1.017248		
DM10574P1	0.58621514	-1.0018612	-1.0829738	-1.0706931		



DM03645P3	0.5862911	1.0559716	1.1733606	1.1706978	CSGALNACT2	NM_001172170.1
DM04962P3	0.58649385	-1.0234103	-1.1125417	-1.1048877		
DM03737P2	0.5866635	1.0210563	-1.0066588	1.1829034	LOC1000739'	XM_001505546.1
DM00311P3	0.58677256	1.0083395	-1.0000561	-1.289791	TAOK3	XM_857668.1
DM05356P3	0.58684784	-1.0140014	-1.0676719	1.0020798	LOC1000652:	XM_001496616.2
DM08785P2	0.58686674	-1.0099313	-1.3049138	-1.1021725		
DM06607P3	0.58694017	-1.0400615	1.0439965	-1.0946256		
DM13560P1	0.58705884	1.0197427	-1.016318	1.1999091		
DM00568P1	0.5870938	1.0520959	1.0206066	-1.2139972	DPSE\GA154'	XM_001360199.2
DM14187P3	0.5870957	-1.045806	-1.1293509	-1.1471878		
DM06179P2	0.587174	-1.134774	-1.0770942	-1.0395728		
DM03222P1	0.58726263	-1.057826	-1.1557399	-1.0687121		
DM09020P3	0.58733445	-1.0131755	-1.0051057	1.2873411		
DM00777P3	0.5877006	-1.1547481	-1.1224355	-1.1359708		
DM10603P1	0.58776057	1.1207392	1.0566475	1.1171167		
DM14457P2	0.58776313	-1.1120263	1.1336755	1.222669		
DM03389P1	0.587783	1.0125245	-1.0137945	-1.0894074	LOC1002324'	XM_002198553.1
DM09276P1	0.58778596	-1.1057448	-1.0891832	-1.0104915		
DM00496P3	0.58789283	-1.1339788	-1.1197712	-1.1153158	DANA\GF147	XM_001961799.1
DM00591P3	0.58789796	1.0212631	1.0222923	1.095919	DENND4A	NM_001080989.2
DM07152P3	0.5879082	1.1585286	-1.1290637	-1.1507818		
DM07465P1	0.5884081	-1.1072983	1.0458522	-1.1948825		
DM14304P1	0.588423	-1.3323206	1.1775763	-1.0032307		
DM00322P2	0.58849585	1.0243484	1.1115327	-1.1067848	LOC657546	XM_964001.2
DM08988P4	0.5885264	-1.1180965	-1.127882	-1.152296		
DM02536P2	0.58858526	-1.0253884	-1.0518895	-1.08852	LOC580462	XM_001176979.1
DM10509P2	0.5886156	1.0568497	1.0126023	-1.1525898		
DM03538P3	0.5886658	-1.144508	-1.1374074	-1.1821641	DSIM\GD210	XM_002104540.1
DM06549P4	0.588688	-1.1845164	-1.2152319	1.0224181		
DM08144P3	0.58889157	-1.2520812	-1.1598996	1.0289463	OVO	XM_002057882.1
DM03537P3	0.5889628	-1.1375555	1.0872823	1.0742071		
DM13671P2	0.5890502	-1.0456918	1.0474353	-1.1228498		
DM11949P1	0.58908284	1.0390978	-1.028898	1.0757034		
DM04031P4	0.5891387	-1.0675085	-1.1515065	-1.1262741	DGR1\GH108'	XM_001987894.1
DM05238P4	0.58932316	1.1432252	1.0363299	-1.1794686		
DM09440P4	0.58958274	1.3404013	1.2691438	-1.0052356		
DM08104P3	0.58964324	1.006723	1.6715333	1.049768	DMOJ\GI120'	XM_002008065.1
DM04476P3	0.589711	1.0236608	-1.3190321	1.0563323	POPC1	NM_001032977.1
DM07585P3	0.5897477	-1.0280634	-1.1683416	1.0020559		
DM05285P2	0.5898206	1.2531092	1.1700486	-1.2344573		
DM08482P1	0.5900169	1.126693	-1.1714016	-1.110401		
DM15134P1	0.59009475	-1.218225	-1.0432215	1.0761591		
DM04511P3	0.5903456	-1.0540328	-1.1255747	1.1089196	LOC410600	XM_394078.3
DM04482P3	0.59051394	-1.1241971	-1.2652893	-1.0008358		
DM04695P1	0.59067553	1.0550128	2.264028	-1.6105484		
DM05065P2	0.590726	1.0055078	1.3541259	1.1717194	CTLP-5A	NM_001167615.1
DM08850P3	0.5907934	-1.038902	-1.0881996	-1.11924		
DM09821P1	0.5909351	-1.0955352	1.1317953	-1.1585804		
DM06220P3	0.59094286	-1.0965716	-1.0752308	-1.105643	LOC1001159'	XM_001606275.1
DM08881P3	0.59094286	-1.2163421	-1.2211455	1.4304732		

DM02171P2	0.59095293	1.0445346	-1.156343	1.124122	ISCW_ISCWC XM_002411345.1
DM01821P2	0.59113395	1.0327123	1.0988247	1.193859	
DM05558P1	0.5912049	1.2170573	1.220368	1.198401	
DM03117P3	0.5913408	1.1162566	1.0836337	1.0529522	
DM04535P1	0.59136796	1.3942659	1.5123901	1.1349303	
DM07658P2	0.5916956	1.3049343	-1.0372252	2.155021	
DM12993P1	0.5917763	-1.1008223	-1.2208147	-1.0176609	
DM13229P3	0.59180796	-1.0286367	1.3197511	1.1532022	
DM06732P3	0.5918449	-1.4157639	-1.3602198	-1.2440252	
DM11410P3	0.5918454	1.0539469	-1.000998	1.0478679	
DM12970P3	0.5919339	1.0457525	-1.0495797	1.0613817	
DM00924P2	0.5921263	1.3003757	1.264357	1.0518075	LOC1002297' XM_002195386.1
DM03098P1	0.5922102	1.0378674	1.2629288	1.3483236	
DM08260P1	0.5922771	-1.0876799	-1.0348694	1.0741681	
DM06412P4	0.5923827	1.0001104	1.0941428	1.10111	
DM00725P1	0.5925734	1.0413964	1.1657467	1.0094857	DVIR\GJ2062 XM_002049644.1
DM06744P4	0.59262794	1.102302	1.1286652	1.145661	
DM15223P2	0.5927615	1.0620205	-1.1551485	1.3574213	
DM08701P1	0.5927624	-1.7703723	1.0144147	-1.0451069	
DM01602P1	0.5933848	-1.0140175	1.0018141	1.0095217	LOC1001867' XM_002130120.1
DM15339P1	0.5934992	-1.0822189	1.1477634	1.0295913	
DM14211P1	0.5937055	-1.04919	1.0911708	-1.2235693	
DM00028P2	0.593845	-1.2193828	-1.1226311	-1.1387478	UFSP2 NR_028085.1
DM09947P1	0.59387666	-1.1533395	-1.3639752	1.1870223	
DM00738P2	0.5940767	-1.001887	-1.079258	-1.1178503	DWIL\GK245' XM_002066598.1
DM06101P3	0.59429926	1.2090069	1.1818941	1.1779256	DYAK\GE230' XM_002086241.1
DM15395P1	0.59438396	1.1035459	1.2872651	1.1350137	
DM06884P1	0.5944956	1.0180925	-1.1449643	-1.3616942	
DM06781P3	0.59450245	1.1111358	1.0870755	1.0520772	
DM06030P4	0.5946256	1.2894561	-1.2281276	-1.2458022	
DM05421P1	0.594631	-1.1005148	-1.0387725	-1.1148922	AAEL_AAEL01 XM_001654974.1
DM01906P1	0.59469414	-1.0191046	-1.0156469	1.004539	LOC663175 XM_969233.2
DM02643P2	0.5947814	-1.1092234	-1.0638478	-1.1031438	DMOJ\GI197' XM_002004143.1
DM02979P2	0.594806	1.4236407	2.03224	1.415247	DSEC\GM223 XM_002040750.1
DM06351P3	0.59504473	-1.0299275	-1.152915	-1.1530147	DVIR\GJ2349 XM_002052076.1
DM07763P2	0.5952041	-1.1604253	-1.0380821	-1.014443	
DM03800P2	0.5953344	-1.0057542	-1.0942545	-1.0546747	
DM00563P3	0.59539706	1.1471575	1.144924	1.0558767	DPSE\GA187' XM_001357823.2
DM14382P3	0.59541494	1.1307229	-1.3336941	1.2847338	
DM15100P2	0.5960102	1.1518593	-1.099833	1.0332549	
DM01122P2	0.59630555	1.1169333	1.1035559	1.0987569	
DM03964P2	0.5964221	-1.236246	-1.0303817	-1.0700868	LOC1000310' XM_001380353.1
DM09254P1	0.5964733	1.0124079	-1.0795302	-1.016725	E1012E08.TM XM_001238745.1
DM01955P4	0.59659106	-1.1648437	-1.0648729	-1.046414	DYAK\GE121' XM_002091494.1
DM04564P2	0.59665614	-1.1736183	1.0663048	1.0736489	
DM08004P3	0.59675294	1.0143718	1.0006576	-1.0975126	
DM09206P2	0.5968672	1.010284	-1.1120356	1.0164069	
DM08189P1	0.5969852	1.1465678	1.1439813	-1.0084015	
DM02995P3	0.5970115	-1.3012497	-1.2864993	-1.4632024	
DM12695P1	0.59714013	-1.0355245	1.0578752	1.0195848	

DM00997P3	0.5974416	1.0249127	1.0799547	-1.0826223	ARIH1	NM_001096354.1
DM01922P1	0.5976598	-1.1639102	-1.1014988	-1.0291046	LOC657523	XM_963979.2
DM14035P2	0.5976916	1.0335783	-1.0318608	1.1106758		
DM07982P1	0.59780496	-1.071123	-1.0377617	-1.2281029		
DM12309P1	0.59793884	1.0083679	-1.0547159	1.0151862		
DM14199P4	0.59830236	1.3136977	1.1929246	1.4597961		
DM02083P4	0.5983652	-1.0871425	-1.0468166	-1.0763112		
DM15334P1	0.5984596	1.0564961	1.0455691	-1.1682194		
DM08749P1	0.5986472	1.117519	-1.0008842	-1.2074746		
DM10389P3	0.598868	1.0825106	1.1499497	1.0032198		
DM07243P3	0.59907925	1.3157227	1.0923674	-1.0378028		
DM03173P1	0.5991501	1.1378874	1.0378507	1.0921202	CPIPJ_CPIJOC	XM_001845704.1
DM08012P4	0.59939104	-1.0801699	1.1477373	-1.1899794		
DM10816P3	0.5994742	-1.0218967	-1.4712634	-1.2035594		
DM13460P1	0.5994768	-1.1307791	-1.1611739	-1.0165927		
DM05819P3	0.59949726	1.0256019	1.0455847	-1.0856953		
DM04481P2	0.5996412	1.1444817	-1.0152831	1.0693016	CAO19.8939	XM_709536.1
DM12920P4	0.59967184	1.0803834	1.1134554	1.1177952		
DM12794P1	0.599678	-1.1653876	-1.1267781	-1.0912455		
DM06415P1	0.59978235	1.0326945	-1.084759	-1.1368908	BCKDHA	NM_174506.1
DM12220P1	0.6000592	1.1050953	1.174554	-1.057531		
DM13607P2	0.60007524	-1.1144996	-1.1057065	-1.1547122		
DM05009P1	0.6001054	1.230488	1.1202539	1.0944841		
DM03809P2	0.6001799	-1.036887	1.0072416	-1.1463255	LOC1001676	XM_001949445.1
DM02989P4	0.60047334	1.4082595	1.5436052	1.2961969		
DM12074P3	0.60051084	-1.0023509	1.1780941	1.1703749		
DM12340P1	0.6006221	-1.2755373	-1.4120309	-1.2289374		
DM12044P2	0.60071105	-1.0212779	1.0410163	1.1078781		
DM11268P4	0.60084003	-1.132126	1.7042848	-1.6877563		
DM14705P2	0.6008457	-1.1545779	1.0321132	1.0609841		
DM06426P2	0.6010709	1.3904058	1.802306	1.0224005	LOC1001657	NM_001134286.1
DM15016P1	0.60112065	-1.0357485	-1.2415221	1.0309029		
DM00817P4	0.6014863	-1.3314769	-1.2606806	-1.3122897	LOC1001642	XM_001943122.1
DM05954P2	0.60188395	1.0726731	1.1923127	1.1846739	AAEL_AAEL01	XM_001648682.1
DM04945P1	0.60190445	-1.0218861	-1.0674704	-1.1446116		
DM08279P1	0.6020411	1.159172	1.4333481	1.4847738		
DM06506P3	0.602133	1.1487768	1.0977123	1.0701472		
DM12166P1	0.6022864	1.1197639	-1.2339	1.0829765		
DM05785P2	0.60235345	-1.012664	-1.0763637	1.2735763		
DM03588P3	0.60248286	1.1216574	-1.136235	1.0126623	ISCW_ISWC	XM_002416559.1
DM08597P2	0.6026	1.0419873	1.1075182	1.2591238		
DM12480P3	0.60264224	1.015136	-1.0351517	-1.1385424		
DM12825P1	0.6026897	1.0329123	-1.0526899	1.1117779		
DM07735P3	0.60286355	1.0214838	-1.0875196	1.0581981		
DM06962P3	0.60349244	-1.0685922	-1.0147315	-1.1944861	SOX5	XM_860927.1
DM08309P1	0.60357565	1.0502542	1.0696479	1.1456757		
DM02804P3	0.60359645	-1.1981087	-1.1759266	-1.053987	BM1_25220	XM_001896468.1
DM05506P4	0.6036078	1.0981361	2.1981246	1.2446958		
DM11511P1	0.6036692	-1.1507931	-1.0839437	1.201438		
DM03811P1	0.60379946	1.0302492	-1.0312982	-1.0482374	DVIR\GJ1416	XM_002051029.1

DM08498P2	0.6038656	1.0285361	1.0005412	-1.078531	
DM13549P3	0.60395736	1.0390651	-1.1907313	-1.0204734	
DM06947P3	0.6039713	1.0239999	1.1615038	1.275961	
DM04145P1	0.6041794	-1.0385692	1.01603	1.1809821	
DM06077P2	0.60419047	1.0304248	-1.145883	-1.2068472	DANA\GF141\XM_001962977.1
DM02370P1	0.6042229	1.0279211	1.4197142	-1.003823	LOC1001657\NM_001134286.1
DM15261P3	0.6042645	-1.0055625	1.1028141	-1.0180634	
DM11385P2	0.6043359	-1.310879	-1.2861198	-1.3425112	
DM14250P4	0.604361	1.0747385	-1.1010339	-1.4817464	
DM09599P1	0.60440403	-1.0271243	1.2050548	1.1506147	
DM15338P2	0.60481983	1.15884	1.175237	1.142293	
DM13812P1	0.6048314	-1.0037448	-1.1001817	-1.0742308	
DM06393P4	0.6048648	-1.0450155	-1.4510856	-1.0690086	
DM14876P2	0.6048958	1.0279657	1.1094729	1.2100878	
DM13116P1	0.6050124	-1.2296331	-1.0819328	-1.0222527	
DM12862P2	0.6050905	1.0689023	1.0047213	1.1490601	
DM13856P4	0.6053323	-1.1479633	-1.4455388	-1.2217432	
DM08111P3	0.60548025	1.040612	-1.0449827	1.0511923	
DM05514P2	0.6057522	-1.03735	-1.0853739	1.0805869	
DM12774P2	0.6059975	-1.1731453	-1.4945896	1.0672946	
DM04667P1	0.60614973	-1.0322018	-1.0569252	-1.1600149	DWIL\GK239 XM_002064525.1
DM01845P3	0.6062876	1.1379277	1.1685432	1.2137594	AMY XM_001653232.1
DM13394P1	0.60634726	-1.0093479	-1.134478	-1.1388596	
DM09252P3	0.6063499	-1.0367491	-1.0404502	-1.3530927	
DM04194P4	0.60642445	-1.033714	-1.094001	-1.0310509	LELG_05692 XM_001523096.1
DM10148P4	0.60645527	-1.3416544	-1.2391784	-1.0898226	
DM06762P3	0.6066924	1.0328156	-1.149219	-1.1187146	
DM03104P4	0.60687363	1.0289649	1.040753	-1.0711291	DSEC\GM159 XM_002039963.1
DM09926P1	0.606921	1.1472282	1.0940286	1.0378283	
DM00457P4	0.606967	1.0838764	1.0657928	-1.163412	CAH1 XM_002079344.1
DM06485P1	0.607008	-1.132402	1.0827013	1.0062072	RPA2 NM_011284.3
DM02987P1	0.6072151	1.1890649	1.3504698	1.3399774	
DM02261P1	0.60724	1.1096067	-1.1126444	1.1037841	AGAP_AGAP0 XM_308033.4
DM06729P1	0.6073542	1.6558242	1.148635	-2.0369983	
DM03078P1	0.60750455	-1.0983188	-1.1616774	-1.196542	INX XM_001649705.1
DM04462P2	0.6075531	-1.1328642	-1.1631613	1.0094906	
DM05596P2	0.6075747	1.0510584	-1.0312645	1.0089989	
DM03694P1	0.6077459	1.0802824	1.0865655	-1.1016104	
DM04537P4	0.6077615	-1.0480136	-1.0169852	-1.1791537	
DM04865P1	0.6080228	1.0883265	-1.1085534	1.0510858	
DM03956P2	0.60805225	-1.1064699	-1.2298092	-1.4110497	
DM06807P1	0.60806197	1.2719272	1.0418776	1.4437572	
DM10264P1	0.60806954	1.1956111	-1.0385813	1.1573716	
DM11630P3	0.6083186	-1.0159304	1.0436381	1.0670711	
DM04274P1	0.6084557	-1.4365644	-1.0549245	-1.0684184	
DM11453P1	0.6085698	-1.0104814	1.1120694	-1.0875982	
DM15109P1	0.6088337	-1.1436771	-1.1533669	-1.0362194	
DM07780P1	0.60896564	-1.0720166	1.1561413	-1.0800291	
DM13266P1	0.60923404	-1.062364	-1.2822663	-1.0970594	
DM05709P4	0.6095522	-1.0959473	-1.0059131	-1.0489876	

DM12575P3	0.60973024	-1.0258529	1.0364681	-1.0325025		
DM00855P2	0.6097507	-1.163012	-1.0677375	-1.072006	LOC633677	NM_029735.1
DM05836P3	0.60976064	1.1312705	1.0475147	-1.1474694	LOC1002089!	XM_002155639.1
DM12268P3	0.60976136	1.0947124	1.1645087	1.0543845		
DM12434P2	0.6098041	1.0809222	-1.1127882	-1.0459462		
DM03418P2	0.6098559	-1.0627693	-1.172731	-1.048266		
DM06525P2	0.610002	-1.0362588	-1.182828	-1.1709076		
DM01235P1	0.6100086	1.1815783	1.2000577	1.3694603		
DM10859P3	0.6100787	1.0820817	1.0442263	-1.0489293		
DM10903P4	0.61018103	1.1296364	1.1080415	-1.1888907		
DM11297P4	0.6101932	-1.0777607	-1.0744222	1.1501259		
DM12157P2	0.6102036	1.1669194	-1.0201641	1.0445411		
DM14395P2	0.61026704	1.0648355	-1.3583654	-1.188486		
DM11089P1	0.61040723	1.1250755	1.0141234	-1.0167356		
DM12299P1	0.6104286	1.0232145	1.2877272	-1.1162992		
DM05445P2	0.6104348	1.2239988	-1.0542526	-1.0114594	SOX6	XM_001504947.2
DM10957P3	0.610435	1.0232364	1.0687982	-1.0729022	LOC657535	XM_963991.2
DM04773P2	0.61058706	-1.4289843	-1.8246628	-1.2661057		
DM09391P3	0.61062104	-1.2178401	-1.2359886	-1.2413144		
DM15157P2	0.6107667	-1.3209878	-1.3146238	-1.3056521		
DM05699P1	0.6108376	-1.0190623	1.0505571	-1.0781596		
DM11452P1	0.61088914	1.1179959	1.0348631	1.0370549		
DM06940P2	0.61097205	1.0522118	1.2420123	-1.403187		
DM07435P2	0.61101437	1.4262049	-1.1633443	1.280732		
DM01980P1	0.6110567	-1.1114937	-1.0653915	-1.0586996	LOC1001206(XM_001599881.1	
DM05240P4	0.61124355	-1.0034653	-1.0384122	-1.0112665	LOC1002070`XR_053703.1	
DM07583P2	0.61148846	1.4995421	-1.0105678	1.1123371		
DM06230P1	0.611521	-1.0305891	-1.0750597	-1.0184085		
DM06191P1	0.61162704	1.4278306	1.9348416	1.1113535	DYAK\GE247!XM_002096945.1	
DM09936P1	0.6116777	-1.1237088	-1.117537	-1.143243		
DM08610P2	0.61177284	-1.2730452	-1.0835645	-1.1579825		
DM10577P2	0.6118487	-1.0483085	1.0617373	-1.0633202		
DM09778P1	0.6119962	1.2948204	-1.2168648	-1.1818012		
DM13706P1	0.61200595	-1.0208763	1.0952096	1.0655621		
DM03021P1	0.61203307	1.0874771	-1.1999402	1.1934669		
DM08087P1	0.61205804	-1.0612783	1.0116383	-1.1855327		
DM12098P1	0.6121644	-1.0650007	-1.2753532	-1.1626481		
DM14242P3	0.61216795	-1.036576	-1.0114369	1.1515266		
DM07365P2	0.612221	1.0071092	-1.018836	-1.3958457		
DM10392P1	0.6123535	1.1254773	1.0011859	1.0722181		
DM09091P2	0.6124727	1.1479315	1.1618289	1.0722928		
DM15140P3	0.61284685	-1.1359847	1.061958	1.0688344		
DM11122P1	0.6129421	1.0643594	1.0294209	1.1996897		
DM09185P1	0.6130111	-1.0288984	1.1170677	1.4291768		
DM09196P2	0.6130337	-1.1301813	-1.0260106	-1.0256143		
DM03563P2	0.61332035	-1.0215592	-1.1182419	-1.1052173		
DM09564P2	0.61333656	-1.122633	-1.2476176	1.0402101		
DM13473P2	0.6133775	1.1103984	-1.0019987	1.1236887		
DM08927P3	0.6133985	1.1343465	1.1359881	1.0880544		
DM06761P1	0.61362183	1.043101	1.1886742	1.0723201	LOC752731	XM_001180016.1

DM07165P4	0.61365783	1.1999806	-1.2644311	1.1318516	
DM02458P1	0.61366093	-1.0287715	-1.0297767	1.0819831	3-Sep NM_019375.1
DM05955P1	0.61373216	-1.0370394	1.3110659	1.1865814	DMOJ\GI120\ XM_002008065.1
DM08461P3	0.6137359	-1.2381504	-1.3238914	-1.116226	
DM02563P4	0.6137657	-1.0774021	-1.0893067	-1.2012886	
DM12369P1	0.6139403	1.0546241	1.108686	1.1472597	
DM04469P2	0.61416996	-1.1157436	1.1053828	1.0974585	
DM12857P3	0.6142241	-1.3272321	-1.0509014	-1.2860295	
DM05424P3	0.61432725	-1.2158662	1.0713861	-1.0046929	LOC655763 XM_962325.1
DM13986P1	0.6147243	1.2800963	1.3033135	1.36303	LOC1000161\ XM_001365613.1
DM08430P1	0.6147648	-1.0050087	1.185732	-1.1537093	
DM07377P3	0.61477673	1.071547	1.1127998	1.0536548	
DM06186P3	0.61496484	1.1126316	-1.2360048	1.2377237	AAEL_AAEL\ XM_001656771.1
DM11642P1	0.61501086	1.2843686	1.1069301	1.1712939	
DM04264P4	0.6152135	-1.2063057	-1.0765681	1.0066297	BRAFLDRAFT\ XM_002606644.1
DM00610P1	0.6154233	1.1076782	1.0731863	1.0747079	NEDD4 XM_395191.3
DM00918P2	0.61548966	1.329355	-1.2157373	1.0570416	DSIM\GD207 XM_002103959.1
DM01210P4	0.6155824	-1.1283207	-1.1898636	-1.0891452	
DM06429P1	0.6156385	-1.477496	-1.2379199	-1.3065698	LOC1001622\ XM_001943034.1
DM11944P2	0.6159278	1.1591601	1.0338713	-1.0858506	
DM03952P2	0.61625326	-1.032102	-1.0586125	1.0886201	RBM17 NM_001046976.1
DM03287P3	0.6163428	1.0773046	1.0183748	1.0453427	LOC1002050\ XM_002163086.1
DM14030P3	0.6165511	-1.1797329	1.0039964	1.0950766	
DM09964P3	0.6165831	-1.1446576	-1.1001397	-1.1243658	LOC1001667\ XM_001951541.1
DM15258P2	0.6166891	-1.1228079	-1.1004525	-1.0402932	
DM07332P1	0.6169285	1.3116969	1.3397156	1.2888826	
DM11286P2	0.6171542	1.2214105	1.2791725	1.2511399	
DM01652P2	0.6172349	1.0625069	-1.0337569	1.0324485	NEMVEDRAFT XM_001633797.1
DM12347P3	0.6173739	1.0455208	-1.010359	-1.0498596	
DM00145P2	0.6174035	1.0992879	1.0356239	-1.0381727	LOC1000326\ XM_001381587.1
DM11364P3	0.6180155	-1.099815	-1.0801036	-1.0476958	LOC587784 XM_795382.1
DM03823P1	0.61802626	1.1827779	1.1379945	-1.0533663	NEMVEDRAFT XM_001633901.1
DM13567P1	0.6180301	1.1720396	-1.1395738	-1.1362149	
DM09361P1	0.61816746	1.332971	1.3954355	1.2531787	
DM13174P4	0.61817515	-1.1360855	-1.0226758	-1.1992127	
DM03172P2	0.6182363	1.0568559	1.1081353	1.1543672	LOC413435 XM_396879.3
DM13195P3	0.61825687	-1.1482897	1.0953768	-1.020248	
DM03744P2	0.618276	1.0890443	1.0433016	1.1022979	
DM03006P1	0.6183687	1.0891048	1.1035672	1.1203526	
DM13584P1	0.6185336	1.0344551	1.1089889	1.1487076	
DM10321P2	0.61857545	1.0212272	1.2650394	1.2365803	
DM04565P1	0.61858743	-1.0717372	-1.0643927	1.0122167	DMOJ\GI242\ XM_001998866.1
DM10391P1	0.61862254	1.2805132	1.0230376	-1.0697771	
DM14159P1	0.6186656	1.24399	1.0673474	1.1307882	
DM14814P2	0.6189099	-1.117609	-1.0553038	1.0623811	
DM13918P3	0.6190103	1.0075041	-1.2091448	-1.2413836	
DM01619P2	0.6190979	1.018204	1.0105478	1.050374	DMOJ\GI236\ XM_001998274.1
DM02240P1	0.61914974	1.0586362	-1.3004434	1.2091309	LOC663675 XM_969711.2
DM00286P1	0.61947024	-1.0057878	1.0897502	1.0610716	RAD6 NM_001162282.1
DM09320P3	0.61960465	-1.2095478	1.0979337	-1.2756895	

DM03891P2	0.61964124	1.0635169	1.0301483	1.1229323	NEMVEDRAFT	XM_001641171.1
DM11106P4	0.61998844	-1.276694	-1.0316336	-1.2792085		
DM08588P1	0.6200358	1.0186777	1.2918506	1.1826237		
DM14681P4	0.62010497	-1.0732764	-1.1233093	1.05131		
DM04012P2	0.6201373	1.0073051	-1.0848507	1.1139691		
DM10511P1	0.6201435	1.0398741	1.049402	-1.0080128	LOC726700	XM_001122423.1
DM08675P1	0.6201698	-1.0959938	-1.1886152	-1.3015867		
DM00732P2	0.6203797	1.0108308	1.2135266	1.4137874		
DM01501P3	0.62042373	-1.014678	1.1531024	-1.2692391		
DM10856P1	0.62045723	1.1953708	-1.0263125	1.9517732	LOC725319	XM_001121179.1
DM03567P2	0.62050897	-1.1654419	-1.1396037	-1.0415158	DMOJ\GI180	XM_002003702.1
DM10082P2	0.62055063	-1.1777561	-1.1357187	1.0116849		
DM04521P3	0.6205796	1.0182921	1.0461828	-1.0379465	PF10_0374	XM_001347622.2
DM11471P3	0.6206703	1.0490518	1.0097716	-1.2456336		
DM06738P2	0.6208882	-1.4310228	-1.0102435	-1.0810914		
DM13739P3	0.6209981	-1.1541182	1.0061935	-1.2583168		
DM04212P2	0.6212397	-1.0244932	-1.0803093	1.0934157		
DM07540P3	0.62165123	1.3723346	1.1049474	1.8675171		
DM05084P2	0.6216651	-1.0894458	-1.2211646	-1.1206017		
DM13408P2	0.6216651	-1.1147012	-1.0056627	1.0082422		
DM08729P3	0.6217722	1.100017	-1.09278	1.3599042		
DM01663P1	0.6218017	1.069213	1.0298494	1.0473814	DYAK\GE134	XM_002090949.1
DM09213P2	0.6219632	1.2795013	1.1341418	1.0290112		
DM11458P4	0.62201303	1.0638032	1.0582099	1.1822234		
DM08055P2	0.6220205	-1.0123796	1.0173566	-1.0218863		
DM09036P1	0.62218535	1.0306304	-1.0856898	-1.0452552		
DM13674P1	0.62220883	-1.0894294	1.5817327	1.1380424		
DM11997P4	0.6224298	1.0067353	1.0012704	-1.2642604		
DM08177P1	0.6226283	-1.0078729	-1.1841305	-1.0312338		
DM07410P2	0.6227417	-1.5158548	-1.3806106	-1.3948115		
DM03508P3	0.6228165	-1.0351962	1.088787	1.0811392	CRYZ	NM_001079763.1
DM04132P1	0.62294143	1.1695322	1.004292	1.0432612	LOC1000793	XM_001514283.1
DM14110P1	0.6230206	1.0328106	-1.252775	-1.0652049		
DM03701P2	0.62305343	-1.0733312	1.1905543	-1.0684719	LOC732969	NM_001046967.1
DM05286P2	0.62308097	-1.0719439	1.295439	-1.0090741		
DM06591P2	0.62312007	-1.0552021	-1.125913	-1.2118421		
DM02166P1	0.623134	1.013266	-1.0341095	-1.0020863	MGC84239	NM_001092766.1
DM09092P4	0.62320477	-1.0658016	-1.0593698	1.0279552		
DM08648P1	0.6233458	1.0919981	1.044891	1.0633078		
DM04332P3	0.62336326	1.1193022	1.0246254	1.0588673		
DM14590P1	0.6233808	1.478724	1.5436375	1.5496627		
DM09840P2	0.6233892	-1.0834435	1.0964144	-1.0749437		
DM09983P3	0.6234765	-1.3843677	-1.2427592	-1.3458728		
DM01737P2	0.6234873	1.3679713	1.600018	1.3708277	BRAFLDRAFT	XM_002609300.1
DM11219P1	0.6235144	1.0949912	1.2474037	1.0758988		
DM09846P3	0.6237997	1.0728725	-1.0782049	-1.1004623		
DM12642P3	0.6240295	1.0838385	1.0185161	1.0024902		
DM02511P3	0.624048	1.1103449	1.0276165	-1.110524		
DM00916P1	0.62424386	1.2160501	1.1369672	1.0555779		
DM12218P2	0.6243175	1.4098601	1.4335781	1.2198763		

DM10168P1	0.6244803	-1.0188898	1.0335275	-1.0809078		
DM10006P4	0.6247763	-1.8808283	-1.5506024	-1.7247963		
DM04159P1	0.6249739	-1.076784	-1.20903	1.0781615		
DM01540P1	0.6251283	-1.2776468	-1.0579464	-1.0971309	AGAP_AGAP0	XM_315378.2
DM14177P2	0.6251675	1.2006876	1.0358542	-1.1100287		
DM03216P1	0.62550426	-1.0173122	-1.1868511	1.0854841	AAEL_AAEL0C	XM_001655217.1
DM11050P2	0.62558854	1.2540897	1.1772391	-1.0639838		
DM09432P1	0.6257596	1.029561	1.1882131	1.0476389		
DM14566P4	0.62579566	-1.3081862	-1.1898758	-1.1998366		
DM04055P1	0.6259134	-1.0049797	1.0076631	-1.0775317		
DM02187P1	0.62610084	-1.1187507	-1.0394772	-1.2086136	DWIL\GK244'	XM_002069141.1
DM00459P3	0.62629527	1.2905301	1.0520009	1.0375025	D10WSU52E	NM_145422.4
DM02000P3	0.62644213	-1.0368048	-1.0076326	-1.0223126		
DM05564P1	0.62650007	-1.0932956	-1.1237005	-1.2241644		
DM02564P1	0.62650055	-1.0894076	-1.063933	-1.1354156		
DM12325P3	0.6265176	1.0459476	1.0372058	-1.0070329		
DM08618P1	0.62657195	-1.2469112	-1.3289223	-1.358076		
DM14731P2	0.62671477	1.2821798	1.0376515	1.0225787		
DM05126P3	0.6267657	1.1835952	1.1013577	1.4533587		
DM05045P1	0.6269393	1.1156116	1.3787441	1.2003073	DMOJ\GI187'	XM_002005948.1
DM01912P3	0.62707543	-1.1456002	-1.0554883	-1.0454684	TKT	XM_001649091.1
DM00649P2	0.62726974	-1.1005809	-1.0332888	1.0067201	NEMVEDRAFT	XM_001638077.1
DM11211P3	0.6272753	-1.0464046	-1.2246348	1.010989		
DM13303P3	0.6273717	-1.2444818	-1.0151517	-1.1567959		
DM10190P1	0.62780523	1.12447	-1.137977	-1.1127541		
DM03269P1	0.62803817	1.0909197	1.1050776	1.0302064		
DM04078P4	0.62818545	-1.2560774	-1.0827878	-1.0978067		
DM12916P2	0.62820596	1.266921	1.031912	-1.2611443		
DM13450P1	0.6284006	-1.147148	-1.098509	-1.0108613		
DM02291P2	0.62842447	-1.036426	-1.1806693	1.1169565	LOC1001657'	NM_001134286.1
DM14770P4	0.6285246	1.0586634	1.1307582	-1.00509		
DM13628P1	0.62854266	-1.08574	1.1157173	-1.1619521		
DM03703P3	0.62858117	-1.1112558	-1.0997618	-1.0313704		
DM01903P2	0.6286284	1.1212238	1.176665	1.0722544	PCK2	NM_001039727.1
DM02181P2	0.62873334	-1.020148	-1.103008	1.0595758	LOC373388	XM_001202943.1
DM10224P2	0.628886	1.2327135	1.0307387	1.2098802		
DM07085P3	0.6289175	1.1048365	-1.0600342	1.1270187		
DM06028P3	0.6289948	-1.0201857	1.1239514	1.000263	PECI	NR_028588.1
DM04352P1	0.629076	1.0091773	1.0438608	-1.1009465		
DM06099P4	0.6293643	-1.0241517	-1.0938402	-1.0700583		
DM00980P2	0.6293869	-1.1775584	-1.0246861	-1.0777756	WDR12	NM_199410.1
DM07584P1	0.62964106	-1.0147321	1.1698633	-1.0005778		
DM02121P3	0.6300516	-1.1402566	-1.0548198	-1.1345627	SMAD4	NM_001097067.1
DM07660P2	0.63006514	1.5477446	1.8960655	1.3169899		
DM05853P4	0.6300731	1.0249734	1.0558082	-1.0864638	ABTB1	NM_001030598.1
DM09782P1	0.6300938	1.1714528	1.0424713	-1.0923039		
DM03103P1	0.6301719	-1.1163584	-1.1141781	-1.0640023	BRAFLDRAFT	XM_002594769.1
DM08659P3	0.6303066	1.1329279	-1.003327	-1.0180638		
DM13375P1	0.63031095	1.019351	1.0698647	1.1234385		
DM09357P1	0.63056576	-1.090802	-1.0079778	1.0928385		



DM03846P1	0.6306853	-1.178295	-1.3647519	-1.2345961		
DM08890P2	0.63091844	1.3809824	1.1330068	-1.0693557		
DM00304P3	0.6310417	-1.0620703	1.0291202	-1.0642931	DYAK\GE122	XM_002091351.1
DM09519P1	0.63107204	1.075792	1.1031215	1.155389		
DM04126P2	0.6311042	-1.0354382	-1.1145724	-1.043369	MAGI2	XM_002413474.1
DM09045P3	0.63114345	-1.2366062	-1.1255047	-1.0272502		
DM13103P1	0.6312416	1.1843361	1.3171933	1.146404		
DM02015P1	0.63129514	1.0871309	-1.09416	1.0072905	LOC1001174	XM_001601651.1
DM11098P4	0.6313207	1.0813147	1.3525734	1.4467461		
DM03721P2	0.63145673	-1.0630255	-1.0196402	-1.0021437		
DM15299P1	0.63155276	1.1150634	1.3321652	1.1184068		
DM02100P1	0.6316391	-1.0189229	-1.12533	-1.0281032	DMOJ\GI132	XM_002007911.1
DM08001P2	0.63175297	1.0863471	1.060458	-1.084385		
DM02925P2	0.6317988	-1.0844158	-1.1659847	-1.0597122	LOC726645	XM_001120567.1
DM04470P3	0.6318285	-1.2128255	-1.2640929	1.1476419		
DM15246P2	0.6318869	1.2352645	-1.0153233	1.3936394		
DM09568P2	0.6318929	-1.0379049	1.066827	-1.1440064		
DM09300P2	0.6321007	-1.0747119	1.0775298	1.0578502		
DM14619P1	0.63228554	-1.0564958	-1.0231984	1.0392714		
DM02013P3	0.6323355	-1.0210167	1.0725161	-1.0431801	TRIADDRAFT	XM_002111436.1
DM15346P2	0.632433	-1.1406872	1.0346075	1.0445079		
DM06548P1	0.6326633	1.0094067	-1.3177649	1.030002		
DM07652P1	0.63306165	-1.0332211	1.0779402	-1.0543879		
DM04547P3	0.63306916	-1.083072	-1.0882663	1.0646355		
DM00300P1	0.63345265	-1.1301203	-1.0683341	-1.1174257	ROBL	XM_001120569.1
DM01614P3	0.63348407	-1.0662566	-1.1152874	-1.1389586	TUBB	NM_001087257.1
DM09289P1	0.6336355	-1.0810745	-1.0260022	-1.145715		
DM11093P1	0.6337665	-1.0212318	1.0984955	1.0259602		
DM01216P1	0.63384885	1.1581007	1.1986928	1.1630214		
DM15129P1	0.6341574	-1.2236189	1.0284967	-1.0246139		
DM13443P1	0.6342171	-1.1170619	1.1423883	1.0837785		
DM04015P1	0.6343087	1.0554177	1.1126386	1.0864837	DANA\GF142	XM_001962841.1
DM02740P2	0.6344097	1.0020156	-1.1123013	-1.1337641	DANA\GF184	XM_001954740.1
DM01592P3	0.6345888	1.024618	1.0330857	1.089968	DERE\GG103	XM_001969847.1
DM08029P2	0.63474303	-1.3259948	-1.2303208	-1.0273973		
DM08175P2	0.63485426	1.0392486	1.1837683	1.1990007		
DM03776P2	0.63486654	1.0023524	-1.0218236	-1.0888461		
DM00892P2	0.6349434	1.0607263	-1.0471176	1.1049609	AAEL_AAEL0	XM_001649342.1
DM07001P1	0.63511175	-1.066144	-1.2101835	-1.0168406		
DM04390P1	0.635201	-1.2186557	-1.0650501	-1.0517691	DSEC\GM147	XM_002035425.1
DM06009P1	0.63522923	1.0290697	-1.0567253	-1.0893114		
DM11418P3	0.6353731	1.0305268	1.1239994	1.0625567		
DM01186P1	0.63543797	1.1052212	1.1601485	1.020629	OVGP	XM_001848251.1
DM10660P2	0.635512	-1.0616701	1.1157848	1.0884641		
DM13746P3	0.6355219	-1.1940356	-1.069782	1.0476203		
DM13105P1	0.63572484	1.1082426	1.0652558	-1.0036509		
DM12467P2	0.63573813	-1.0030824	1.0583382	1.1069343	NFIA_07989C	XM_001259943.1
DM00823P2	0.6359996	-1.0259111	-1.0391159	-1.0832394	KPNA4	NM_008467.4
DM13255P2	0.63611895	-1.0002375	-1.0506929	-1.0853053	DGRI\GH167	XM_001984867.1
DM09067P1	0.6362513	1.1027745	1.0831943	1.0255923		

DM00846P3	0.63636863	1.0384251	1.0949743	1.068779	LOC413435	XM_396879.3
DM01322P1	0.6363752	-1.0266074	-1.0218685	-1.2400285		
DM13916P3	0.6363752	-1.1584466	1.2171599	-1.1179042		
DM14573P1	0.6364122	1.1105138	1.0464892	1.0984095		
DM03982P3	0.6364391	1.0308834	-1.0622293	-1.0640659		
DM10951P1	0.6364524	1.0089216	1.1159806	1.0645614		
DM09536P3	0.63660705	1.0471094	1.121387	1.0964344		
DM12362P1	0.63662446	1.2400663	-1.0297817	1.3327457		
DM11841P3	0.6366383	1.2109479	1.2615135	-1.2270133	DPER\GL1376	XM_002020010.1
DM07476P1	0.63667166	-1.0099107	-1.2790035	-1.0915622		
DM11441P1	0.6368268	1.1649913	-1.3269438	1.2996901		
DM03966P3	0.63688904	1.0389216	-1.0783842	-1.0223511		
DM14582P1	0.637027	1.2559409	1.1048069	1.0436234		
DM07493P2	0.63755035	1.075926	1.0880166	1.153715		
DM10396P4	0.63763386	-1.2880958	-1.3211354	-1.2492085		
DM02682P3	0.63769275	1.4452792	1.0875953	1.1516471	BRAFLDRAFT	XM_002600253.1
DM13214P2	0.63777435	-1.1027678	-1.2829769	-1.1310129		
DM08636P2	0.6377952	-1.0512172	-1.3307763	-1.0072812		
DM09393P1	0.63790375	-1.0094587	1.1470113	1.0580342		
DM08514P1	0.6379924	1.1133146	1.039862	1.0405697		
DM14107P1	0.6380709	1.0273842	1.2780639	1.1072397		
DM14127P2	0.6380847	-1.0771523	-1.1056795	1.0088185		
DM08232P2	0.63820755	-1.0202811	1.025282	1.1079913		
DM01147P4	0.63824654	1.4043982	1.2812158	1.1277094	DNAL1	NM_001046427.1
DM03198P3	0.63831633	1.084463	1.1072809	1.0795991		
DM02871P1	0.6383541	1.0373334	1.054589	-1.046158	ZGC:113291	NM_001017897.1
DM04937P3	0.63838273	-1.0605682	1.1150599	1.440229		
DM07971P3	0.63841665	-1.100924	1.0465924	-1.0902624		
DM03016P1	0.63848376	-1.0391536	1.0509741	-1.0719597	LOC1001222	XM_001605770.1
DM05268P3	0.6390037	-1.0289004	1.0839876	1.1817385	DMOJ\GI1556	XM_002009803.1
DM09882P3	0.6390483	-1.042007	1.0581894	-1.2738614		
DM13980P2	0.6390708	1.0653262	1.202392	1.182737		
DM11234P2	0.6390849	1.0653781	1.0522958	1.0437077	THAPSDRAFT	XM_002285900.1
DM09443P4	0.63914067	-1.0019119	1.0997608	1.0863045		
DM07412P2	0.6391923	-1.1196702	-1.1504347	-1.0785478		
DM14536P1	0.63931715	1.1631552	-1.0253613	1.0687863		
DM03191P3	0.6393397	-1.1924464	-1.0211879	1.0790566		
DM05453P1	0.63942677	1.1079471	1.0708382	1.0820644		
DM04448P2	0.63966584	-1.1466432	-1.0880466	1.0556922	DERE\GG156	XM_001972555.1
DM11193P3	0.6400001	1.0551486	-1.035986	1.1722113		
DM01574P4	0.6401085	-1.063054	-1.0384768	1.0110893	PP1G	NM_001141712.1
DM02045P1	0.64015317	1.0434566	1.0761853	-1.0417256	DMOJ\GI1956	XM_002004513.1
DM14075P1	0.6402019	-1.2263557	1.0570114	1.1315309		
DM14636P3	0.64049137	-1.065393	1.0735091	1.0192081		
DM14314P2	0.6404926	-1.128458	-1.1015075	1.0545604		
DM13320P1	0.64060104	-1.1313543	-1.0498332	1.020259		
DM04030P4	0.640885	-1.1592124	1.0022187	-1.3129694		
DM06668P3	0.6410367	-1.0132376	1.0414075	1.1160073		
DM02351P1	0.6410996	-1.0865214	-1.1273863	-1.0202856	PGD	NM_002631.2
DM11587P3	0.64111656	1.2756867	1.0016005	-1.027979		

DM09939P1	0.6411477	-1.0658755	1.0848312	1.179891		
DM04747P1	0.6415689	-1.2278316	-1.123552	-1.2776537		
DM10805P1	0.64164585	-1.0398562	-1.1178639	-1.0087544	LOC658998	XM_965339.2
DM06830P2	0.6417527	1.3403035	1.4338605	-1.0426458		
DM08622P3	0.64184064	-1.1449813	1.1594061	-1.0340586		
DM03334P4	0.6418518	1.0485175	-1.0200423	-1.1119522		
DM01457P2	0.64186174	1.1132795	1.0715032	-1.0112659		
DM03706P1	0.6422074	1.2785143	-1.0659178	-1.0052968		
DM11802P2	0.6425997	1.0501386	-1.0114977	1.0237516		
DM06161P1	0.64301723	1.293635	1.7981142	1.0297154		
DM06599P2	0.643199	1.1173196	1.3459779	1.1449552		
DM13496P1	0.643252	1.2197139	1.047872	1.100355		
DM10298P3	0.6433028	-1.0359927	1.0190325	1.104207		
DM03765P1	0.6435379	1.0660731	1.0349275	-1.0145676		
DM05489P3	0.6437222	1.087245	-1.2371428	-1.5636401		
DM09098P1	0.64389217	1.0151958	-1.0837609	1.0476322		
DM07360P4	0.64402956	-1.0771159	-1.019161	-1.238352		
DM01512P1	0.6440347	1.0912672	1.0550714	-1.0431943	DERE\GG215	XM_001974053.1
DM00511P1	0.6442246	-1.1910008	-1.1567357	-1.0896164	CHIA	XM_001857818.1
DM10291P1	0.64431655	1.196902	1.2238137	1.0526364		
DM06920P1	0.6448766	1.0147122	-1.0684929	-1.2190826		
DM06205P1	0.64571357	-1.0715637	1.0663857	1.0483803	DWIL\GK102	XM_002071839.1
DM02079P3	0.64588255	1.1457503	1.0941948	-1.1614298	LOC1000681	XM_001498073.2
DM02001P3	0.6461874	-1.2682025	-1.0544173	-1.5201823	VTG6	NM_001025189.1
DM09589P2	0.6463333	1.072341	1.1099564	1.0089823		
DM06691P2	0.64638466	1.6146967	1.9022151	1.286052		
DM03120P2	0.6464003	1.5666733	1.1837033	1.2284977		
DM15265P2	0.6464022	1.1078585	-1.1896741	-1.145484		
DM07109P1	0.6465552	-1.0689816	-1.1462096	1.1631109		
DM13993P1	0.6466117	-1.1762097	-1.0162166	-1.2772976		
DM06354P1	0.64677536	1.0938417	1.2885823	1.2469419		
DM15107P1	0.6468105	-1.1611692	-1.2158625	-1.4070704		
DM09837P2	0.64687866	1.0637656	1.1985298	1.2120199		
DM05300P2	0.64689374	-1.0236471	-1.1763189	-1.1401325		
DM06284P4	0.64695275	1.2189984	1.253264	1.2962645		
DM10508P4	0.6470054	1.1127256	-1.0803111	1.0611745		
DM12700P1	0.6470604	-1.311397	-1.1501911	-1.2536582		
DM00734P2	0.64721197	-1.0652527	1.1391726	1.1588373	LOC663877	XM_969907.2
DM06640P2	0.64722	1.0010532	-1.1550808	-1.1093663		
DM09511P2	0.64731723	-1.116367	-1.1940765	-1.3809317		
DM13130P3	0.64741886	1.0049028	-1.3873523	1.0848973		
DM08315P2	0.64755607	-1.15959	-1.0261797	1.2562929		
DM12257P3	0.6475856	-1.0930705	-1.2036369	-1.1042433	DSEC\GM201	XM_002033980.1
DM00854P4	0.6477803	1.019084	1.0351883	-1.0400336	DWIL\GK162	XM_002067266.1
DM15080P2	0.6478366	-1.0846637	-1.0020627	1.0723462		
DM09016P3	0.64834034	-1.0601968	-1.1535506	-1.2066244		
DM10075P2	0.6485232	-1.0238917	1.2124083	-1.1496955		
DM02213P3	0.64859736	-1.0388607	-1.0047505	1.0151488	AGAP_AGAP0	XM_320884.4
DM04889P2	0.64880514	-1.1066074	1.2022065	1.0823066		
DM13258P2	0.64888906	1.1409024	1.0427023	1.1775244	LOC1000510	XM_001488392.2

DM01779P4	0.6490737	-1.199169	-1.2426062	-1.3265212	NEMVEDRAFT	XM_001630433.1
DM10640P1	0.6491545	1.1397122	-1.1853034	1.2164448		
DM10265P3	0.6492374	-1.082957	-1.2595208	-1.0123872		
DM01464P1	0.64937186	-1.0032648	1.0486215	-1.0210776	DSIM\GD260	XM_002080833.1
DM08897P1	0.6494653	-1.2155039	-1.1138117	-1.0291526		
DM14545P4	0.6495446	1.02122	1.0400656	-1.0534381		
DM11306P1	0.64970446	-1.0990878	1.0383209	1.0088698		
DM03113P1	0.64978033	1.0881952	-1.0833598	1.0011547	UBA3	XM_001662362.1
DM03660P2	0.6498048	-1.0115018	-1.0128422	1.0983319	CYP	XM_001656715.1
DM01624P1	0.6500464	-1.053309	1.0676266	1.0777128	LOC550976	XM_623371.2
DM06964P1	0.6502165	1.0740179	1.0359142	1.0067633		
DM10538P3	0.65036714	-1.0790383	-1.0510719	-1.1165385		
DM02101P2	0.6504077	-1.0034717	-1.0832108	-1.1006136	TRIADDRAFT	XM_002110760.1
DM06357P2	0.6505359	-1.0316669	1.032933	-1.1383691		
DM12458P1	0.6506389	1.1327754	-1.1826634	-1.0051167		
DM07424P3	0.6507043	-1.0833727	1.0344847	1.0004277		
DM05983P1	0.65077907	1.100458	1.6167166	1.2650908	CP	XM_001868201.1
DM01963P3	0.6509818	-1.0044514	1.0258067	1.0104376	LOC552756	XM_625132.2
DM14467P2	0.65111756	1.2073318	1.2120765	1.1672316		
DM08479P1	0.6511945	-1.2128783	-1.0361692	1.0475858		
DM03135P1	0.6513313	1.0784085	1.2608554	1.3408785	DMOJ\GI198	XM_002004276.1
DM05412P4	0.65145683	-1.0011916	1.3079565	1.0335245		
DM06391P2	0.6515133	1.0085449	1.1498793	-1.147022	DYAK\GE261	XM_002097194.1
DM14719P3	0.6516108	-1.2006991	-1.1270319	-1.0995611		
DM03358P1	0.65175295	-1.0885739	-1.0002406	-1.0267909	LOC1002093	XM_002156229.1
DM13710P2	0.6517691	-1.2509747	1.1583766	-1.143532		
DM09676P1	0.65178496	1.2112727	1.3370594	1.2525985		
DM03715P1	0.6518011	-1.0695537	1.0089623	1.2245829	DYAK\GE117	XM_002092237.1
DM08292P2	0.6518913	-1.0031763	1.0207416	1.00879		
DM10827P1	0.6521237	1.1399683	1.0111237	1.1361593		
DM14672P4	0.6521906	-1.024366	1.2067662	1.068186		
DM01222P3	0.65220284	-1.1190714	-1.1459416	-1.2565753		
DM06001P1	0.65226936	1.1409439	-1.0027796	1.1950454	NEMY	NM_001169659.1
DM11938P1	0.65231943	1.1649119	1.3379408	1.0968182		
DM13042P1	0.65246636	-1.0255107	-1.2416177	1.093841		
DM05999P1	0.6525052	-1.1447041	1.0190014	1.0574944		
DM04868P1	0.652778	-1.0008548	1.0406458	-1.0130689		
DM11315P1	0.6529526	-1.0343028	1.0070529	-1.1405835		
DM00176P2	0.6532417	-1.2170798	-1.0382886	-1.1539221	DMOJ\GI202	XM_002005046.1
DM13119P2	0.6533243	-1.0002065	-1.0450041	1.0368315		
DM10703P1	0.6535053	-1.0890998	-1.0119773	-1.0086339		
DM04298P3	0.6535371	-1.1017975	1.1405554	1.0336579	LOC553309	XM_001919304.1
DM07450P3	0.65355694	-1.0674682	1.0241537	1.0449241		
DM02904P2	0.6536073	1.0233201	1.1302367	1.1196463	LOC551379	XM_623774.2
DM05139P3	0.6536555	-1.2470284	-1.2379249	-1.4214176		
DM07918P1	0.6538003	-1.1272485	-1.0388179	-1.0450572		
DM01748P1	0.65384996	-1.1141989	-1.0932614	1.020353		
DM05938P1	0.65419155	1.0006973	1.031609	1.1243248		
DM11189P3	0.6544605	1.0205204	-1.1231357	-1.021299		
DM03504P3	0.65465605	1.2067189	-1.0903977	1.1830646		

DM07824P2	0.65471697	1.1589122	-1.0306416	-1.0981659	
DM11510P2	0.6548433	-1.0794724	1.1306156	-1.1224817	
DM05198P2	0.65490717	1.1513236	-1.0529143	-1.032693	
DM14544P1	0.6553371	-1.09633	1.0347159	-1.0203019	
DM00807P3	0.6553459	1.3158727	1.3538285	1.2866514	DANA\GF157\XM_001962932.1
DM13190P2	0.65536964	-1.124488	-1.0259452	1.0406601	FIB XM_002092515.1
DM06533P1	0.65570295	1.1036562	-1.0663946	1.0082568	
DM14988P2	0.6558151	-1.1862478	-1.2103631	-1.0948147	
DM04750P1	0.6559062	-1.2436163	-1.0191312	-1.139678	AGAP_AGAP0 XM_315378.2
DM15180P1	0.6565696	-1.0703194	-1.0448781	1.1141657	
DM04595P1	0.65661836	-1.066904	1.1036294	1.1280557	
DM13152P1	0.6568867	-1.0339735	-1.0709162	-1.1347523	
DM01061P3	0.6569289	-1.1975027	1.0186818	1.0319079	LOC580355 XM_780418.2
DM13283P1	0.6570122	-1.0730402	-1.3398561	1.0176572	DANA\GF229\XM_001964682.1
DM11409P4	0.6570377	1.0945511	1.0926406	1.2937036	
DM05806P3	0.65717787	1.0152574	-1.3104701	1.1651753	
DM03646P1	0.6573453	-1.0247397	-1.1102504	-1.0979886	
DM04099P3	0.6573973	1.1761217	1.0677613	1.0225819	ISCW_ISCWC XM_002416101.1
DM05145P1	0.6574365	-1.0327883	-1.0469737	1.1746378	
DM05200P3	0.6575858	1.0831289	-1.0941873	-1.0965348	
DM15060P3	0.657701	-1.1090027	-1.0378377	1.0406075	
DM03520P1	0.6577677	-1.061896	-1.1191628	-1.1069282	HCAG_05266 XM_001539749.1
DM10282P1	0.65791535	1.1775914	1.1079094	-1.0241423	
DM04455P1	0.658087	-1.0056658	1.0678964	1.0276232	LOC582286 XM_782245.2
DM13868P2	0.65830946	-1.1015077	1.0227171	1.0588655	
DM06170P1	0.6583477	1.0050652	1.0808734	1.1623094	DMOJ\GI155\XM_002009811.1
DM01073P2	0.6583779	-1.0779296	-1.0837656	-1.067289	MCEE XM_515538.2
DM09718P3	0.6585101	-1.3138189	-1.152067	-1.1090491	
DM13163P2	0.658541	-1.1209823	1.0316657	1.1224278	
DM10993P3	0.6591519	-1.1388578	-1.0767409	-1.0567702	
DM11638P1	0.6592493	-1.0451479	1.03348	1.1492609	
DM14965P3	0.6592967	1.2097311	-1.0802369	1.086374	
DM08347P3	0.65949744	1.2034702	1.3097892	-1.2084222	
DM08742P3	0.6596342	-1.0752703	1.3887243	-1.0304203	
DM07189P2	0.65968597	1.0348657	-1.0656277	1.0184186	
DM08699P2	0.6597542	1.6144229	1.3148179	1.4409446	
DM04953P1	0.6598021	-1.2618281	1.3748786	-2.1304872	
DM04032P3	0.659819	1.8243706	1.1761094	1.5157806	
DM15143P1	0.6599194	1.129607	1.0518634	1.0879743	
DM04312P2	0.66017497	-1.0758251	-1.0867779	1.0281336	
DM07594P1	0.6601838	1.0342956	1.1191844	1.0312332	
DM04424P4	0.66037434	1.2988076	1.3287112	1.3216947	
DM11851P1	0.66043794	1.0429996	1.0570856	-1.0778626	
DM00705P1	0.6604529	1.0882716	-1.0462356	1.0206633	
DM04137P3	0.6605249	1.092533	1.0849733	-1.0223151	
DM00307P3	0.660614	1.0465937	1.0827216	1.2058296	AGAP_AGAP0 XM_001688766.1
DM06458P2	0.6607852	1.0047307	-1.5007389	1.0376132	
DM10012P3	0.66101116	-1.0397238	1.0559266	1.0286243	
DM07950P3	0.66117555	-1.0506691	-1.0263959	-1.0924417	
DM09388P3	0.66122097	1.0599958	-1.0178753	-1.0346465	

DM04871P2	0.66125613	-1.121376	-1.2670748	-1.0693601		
DM06106P1	0.66125834	-1.0657107	1.1060592	-1.0348364		
DM07325P2	0.6613239	-1.0201703	-1.0139301	-1.11072	DGRI\GH167	XM_001984858.1
DM06566P1	0.66134036	-1.0127002	-1.0319124	1.0950708	LOC658378	XM_964772.2
DM10760P1	0.66171974	-1.1101152	-1.0893382	-1.1054908		
DM06902P1	0.6617392	-1.0005453	1.0176674	1.2952188		
DM12609P1	0.6618129	-1.1044116	-1.0393032	-1.0631716		
DM12244P2	0.6618141	-1.0190558	-1.0076329	-1.0901812		
DM01672P3	0.6618928	1.1002636	1.2125529	1.247329	LOC581580	XM_781569.2
DM05159P3	0.66197264	1.0116886	1.0738966	1.0240332		
DM09859P1	0.66206676	-1.1889547	1.2084732	1.0101373		
DM12709P3	0.66208863	1.0784572	1.2745473	1.0383676		
DM11634P2	0.66212255	-1.0506948	1.03133	-1.0535588	PY05695	XM_721098.1
DM10604P3	0.66216314	-1.0418091	-1.0674218	1.0534434		
DM15127P3	0.6623079	1.16052	1.0561949	-1.0066602		
DM12895P2	0.66231894	1.0246564	1.065637	1.0693725		
DM11604P1	0.6624065	1.0393456	-1.0080115	-1.0743202	SLC9A3	NM_001081060.1
DM12580P3	0.66266686	-1.0068177	1.1766748	1.1944575		
DM02423P1	0.6626993	1.0138326	-1.0630168	-1.0581454	LOC551958	XM_624340.2
DM06443P4	0.6627059	-1.010708	-1.1712575	1.0726967		
DM03233P3	0.66271967	-1.0462699	-1.0290033	-1.1458515	LOC1000226	XM_001374378.1
DM14043P3	0.66282225	1.0163908	-1.270026	-1.3570344		
DM01637P3	0.6630393	-1.0347365	-1.0941187	-1.0844208	RPS12A	NM_001087125.1
DM06939P4	0.663091	1.0314305	1.0971049	1.1361293		
DM12227P2	0.66323906	1.0576497	-1.0168684	-1.2107595		
DM03988P2	0.66326416	1.4208851	1.970012	1.1484		
DM00108P2	0.6633384	-1.1493677	-1.2053355	-1.0717978	LOC551599	XM_623990.2
DM00310P3	0.6634188	1.1105775	1.0579237	1.1330405	LOC660754	XM_966960.2
DM09987P2	0.6634963	-1.0023223	-1.1539536	1.0310712		
DM03795P1	0.66354406	1.338102	-1.2916709	1.043504	LOC1001815	XM_002131869.1
DM09746P3	0.6636358	-1.0639945	1.2406514	-1.2580222		
DM14145P2	0.66364145	-1.1818762	-1.2924436	-1.4057981		
DM06293P1	0.66371524	-1.0058236	-1.1069096	-1.1617298	LOC1001189	XM_001602734.1
DM13795P3	0.66388845	1.0705252	1.29597	-1.0107356		
DM10889P2	0.6639886	-1.0307136	-1.098376	1.1238555		
DM14569P3	0.66415125	-1.1948397	-1.1130435	1.1606866		
DM07741P1	0.66434634	1.0152577	1.1089818	1.0592117		
DM11362P3	0.6645679	1.1472225	-1.0017296	-1.1217667		
DM11698P1	0.664608	-1.0823734	-1.0053709	-1.1694138		
DM07526P3	0.664638	1.0335346	1.0180435	-1.1327996		
DM10341P2	0.66467416	-1.0739964	1.0314505	-1.011445		
DM10076P4	0.66469955	-1.0825996	-1.0679204	1.0156924	DYAK\GE205	XM_002093787.1
DM01525P4	0.6647687	-1.028211	-1.0265481	-1.1642768		
DM13187P1	0.6651505	1.0629147	1.3688658	1.2190024		
DM04832P3	0.6652729	1.005981	1.030495	-1.0684209		
DM05448P3	0.6653123	-1.1555176	-1.2057512	-1.247356		
DM00978P2	0.6653812	-1.1822054	1.1453587	-1.0422423	BRAFLDRAFT	XM_002611908.1
DM01926P1	0.6654083	-1.0253453	1.0597873	-1.0577471	DGRI\GH248	XM_001992647.1
DM09333P3	0.6655093	-1.0666496	1.0436335	-1.1032034		
DM07423P3	0.66571116	1.0886016	1.1144831	-1.07414		

DM14992P1	0.66583455	-1.1430603	1.1360629	1.0795448	LOC1000167:XM_001370463.1
DM07881P2	0.6659257	1.0630906	1.2036709	1.3189766	
DM02249P3	0.66594124	1.0262725	-1.0683892	1.0208327	
DM07973P3	0.66597646	1.0689726	1.019262	1.0624909	
DM09659P3	0.6659863	1.0894574	1.0361035	1.1440086	
DM03973P1	0.6660466	-1.1521543	-1.0575577	-1.1008303	
DM07192P3	0.666075	1.0063087	1.1369473	-1.2985988	
DM12775P2	0.6661666	1.1633345	-1.0442808	-1.0857091	
DM12639P4	0.6661831	-1.0291289	-1.1164414	1.216932	
DM13345P3	0.66622424	1.1031581	1.180279	1.0475771	
DM09492P1	0.6662306	1.1041383	1.3823435	1.353274	
DM05661P1	0.66631216	1.1138471	1.0529418	1.0693572	
DM09671P2	0.6663149	1.1506035	1.1268184	-1.0802898	
DM07541P3	0.66643065	-1.1342901	-1.3630811	-1.2722102	
DM13469P2	0.66648835	-1.0390459	-1.3434703	1.02868	
DM01792P2	0.6666379	1.0101312	1.119569	1.3078033	DWIL\GK165:XM_002062567.1
DM01026P4	0.6666938	-1.0315104	1.074111	-1.1067632	ISCW_ISCWC XM_002410744.1
DM15058P1	0.6666983	-1.0071235	-1.3062073	-1.0361054	
DM10057P3	0.6668717	-1.0245016	-1.076389	-1.1175163	
DM14843P1	0.6668784	-1.0988984	-1.4408875	-1.1089103	
DM12767P2	0.6669028	-1.2917701	-1.5331217	1.1962605	
DM14815P4	0.66700554	1.020517	1.2126012	1.3829429	
DM00150P1	0.6672811	1.2817202	1.3744967	1.4088156	DMOJ\GI199:XM_002004425.1
DM12153P1	0.6673299	-1.064867	-1.0295992	-1.0079069	
DM02169P4	0.6673521	1.2986883	-1.0258389	1.1111667	ABCG1 XM_416742.2
DM08244P1	0.6673688	-1.3816614	1.0492078	-1.0116525	
DM11119P1	0.6674262	1.0420299	1.1373508	1.0567052	
DM05973P4	0.6675098	-1.0236534	-1.0554268	-1.1657525	LOC656679 XM_963188.2
DM08473P2	0.6675379	-1.3014058	-1.1106548	-1.1471899	
DM08946P2	0.6675705	-1.067544	1.058079	1.6006373	
DM14026P1	0.6676358	1.1623209	1.2770859	1.3687583	
DM05947P2	0.6678042	-1.0734903	-1.2205886	-1.3076229	
DM04733P4	0.6678784	1.1807153	1.3430427	1.1017904	
DM14268P3	0.66811186	1.0017618	-1.0737716	-1.1339152	LOC1002283:XR_054793.1
DM03876P2	0.66817725	-1.0991205	-1.0825042	-1.1188016	
DM07161P3	0.66822356	-1.0928948	-1.0555592	-1.0593913	
DM12397P1	0.66836244	-1.0556515	1.0453423	1.0114609	
DM00500P1	0.6686633	-1.1442916	1.0482955	-1.0960358	DANA\GF171:XM_001953639.1
DM14763P1	0.66878617	-1.1931227	-1.1689188	1.0789645	
DM06436P3	0.66882783	-1.2574328	-1.1074327	-1.0613686	
DM14264P4	0.6688816	1.0183468	1.1442027	1.0304519	
DM11632P1	0.66896945	1.1230781	1.0753787	-1.021258	
DM11750P4	0.66956604	1.0817688	-1.3168588	1.1421556	
DM13564P4	0.6696139	-1.0886534	1.0681257	1.0196457	
DM05664P1	0.6697089	-1.0570918	1.0731703	1.0250602	
DM05913P1	0.66971487	-1.0151124	1.0414166	-1.03563	
DM01730P3	0.67001027	1.0158157	1.0598097	1.1425139	DWIL\GK158:XM_002063751.1
DM01190P1	0.6701722	-1.1059431	-1.0680555	-1.0343755	LOC1001842:XM_002128093.1
DM13268P2	0.67023116	1.0013019	-1.1317328	1.0093609	
DM03150P1	0.6702717	-1.0883191	1.0312753	1.0044072	AGAP_AGAP0 XM_321497.2

DM12743P3	0.67045236	1.052316	1.1215782	1.0102926		
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DM12036P2	0.67050594	-1.1312126	-1.0113664	-1.0517899		
DM00045P3	0.67067486	1.0472507	1.1757731	1.1366856	DSIM\GD227\	XM_002078105.1
DM10387P3	0.6708746	1.0798215	1.1718627	1.0660344		
DM13223P1	0.67100525	1.6345611	1.7418673	1.2279758		
DM05263P4	0.67115784	-1.0611	-1.0005875	-1.0831685		
DM01320P1	0.67120254	-1.1089438	1.0019281	-1.017814		
DM11982P1	0.6712102	-1.0026823	-1.280876	-1.0843295		
DM03136P4	0.67132235	-1.051129	1.0246592	1.0524108	LOC1000239\	XM_001375347.1
DM14993P3	0.6716007	-1.0098273	-1.0451775	1.2173326		
DM14735P1	0.6719572	-1.0731622	1.0710491	-1.0228177	LOC579935	XM_001193949.1
DM07363P3	0.67215586	1.160847	1.1609752	1.1258347		
DM09260P1	0.6724724	-1.279085	1.0938156	-1.1227239		
DM10985P3	0.6725453	1.2796491	1.1298486	1.0316259		
DM07671P3	0.67270774	1.2712133	-1.3639898	-1.0079209		
DM02476P2	0.67285675	-1.2115906	-1.0855688	1.0294974	BRAFLDRAFT_XM_002603156.1	
DM14029P1	0.6728916	-1.0793335	-1.031432	1.0502326	DVIR\GJ1464	XM_002051138.1
DM09834P3	0.67304707	1.1162415	-1.0951773	-1.0976014		
DM14921P3	0.6731005	-1.1949086	-1.011175	-1.0058849		
DM11124P3	0.67311233	1.0287212	-1.1664233	-1.1596296		
DM13834P2	0.67319393	-1.0183918	-1.1271898	-1.0254706		
DM03203P2	0.6732785	-1.0133135	-1.1336176	1.0396391		
DM11695P1	0.67333883	-1.0521827	1.0288942	-1.1315376		
DM00290P3	0.6733544	-1.1336626	-1.0229381	-1.018256	PHYHD1	NM_001114066.1
DM00320P3	0.6737238	-1.0590333	1.006212	-1.1008084	SOX11	NM_009234.6
DM14406P2	0.6737931	-1.1807437	-1.151866	-1.0011426		
DM01930P3	0.674094	-1.0327923	-1.0856878	-1.0520301	C1GALTA	NM_164840.1
DM10036P3	0.67423654	1.0029813	1.1197462	1.1993033		
DM06907P3	0.6742828	1.0264633	1.1402473	1.1332074		
DM05540P3	0.6743696	-1.1637672	-1.3476213	-1.0638089		
DM12617P1	0.67462957	-1.1236615	-1.1913869	1.0333848		
DM05757P3	0.6747256	-1.1073887	-1.0374858	1.1035966		
DM07927P2	0.6747741	1.0969988	1.0088097	1.0220069		
DM03540P2	0.6747746	1.0438774	1.0075978	-1.0807197		
DM11287P1	0.6751982	-1.1656712	-1.1272695	1.0218012		
DM03911P4	0.6753356	-1.3604743	-1.2665682	-1.0044458	CHGG_01905	XM_001221125.1
DM01325P2	0.6760202	-1.1226537	-1.0986654	-1.0656447		
DM06147P1	0.67604697	-1.0245783	-1.0762318	-1.011601		
DM04260P1	0.67619425	-1.2305197	1.2189384	1.0866463		
DM02581P1	0.6762609	-1.0248253	1.1921127	1.2198745	DGRI\GH179\	XM_001995742.1
DM07406P2	0.6764193	1.1624453	1.2740961	1.182984		
DM02411P2	0.6764355	-1.2656693	-1.0703914	-1.1911664	LOC578233	XM_001196912.1
DM01060P2	0.67645895	1.1017468	1.0496998	1.0465463	LOC1000126\	XM_001363602.1
DM14941P2	0.6766256	-1.0740081	1.0234185	-1.1039907		
DM13300P2	0.6768277	1.0843452	1.2204831	1.1579655		
DM11039P1	0.6770078	-1.0780376	-1.1040043	-1.0207317	LOC656589	XM_963110.1
DM13647P4	0.67706823	-1.1817024	-1.3387362	-1.1774393		
DM04477P1	0.6771911	1.0216137	-1.2802962	-1.1830522		
DM07653P1	0.67737836	-1.1226416	1.078882	1.2349735		



DM14402P2	0.6774566	-1.1117969	-1.0082699	1.5355264		
DM14792P2	0.6775045	-1.0789244	-1.128518	-1.0730729		
DM09240P2	0.6775074	1.006551	-1.0573658	1.0806255		
DM06438P1	0.6775077	1.1739722	-1.0215364	1.1846851	BRAFLDRAFT	XM_002587081.1
DM12900P2	0.67752427	-1.1440622	-1.3468953	1.0772511		
DM00746P1	0.6779269	-1.111202	-1.0449889	-1.1132236	DANA\GF231	XM_001964430.1
DM05208P1	0.6780015	1.0503697	-1.0556313	1.0118076		
DM12496P1	0.6781418	-1.0379739	1.2845986	1.0963514		
DM04840P3	0.67819357	-1.1293824	1.0378313	1.3815489	POLR3B	NM_001160708.1
DM06903P3	0.6783462	-1.062377	-1.0673648	-1.0417086		
DM06694P1	0.678517	1.1271696	-1.082212	-1.1492877		
DM02112P3	0.67873067	-1.0628811	1.0035883	1.0285053	GM7308	NM_009790.4
DM07122P1	0.67874706	-1.0331739	-1.0939652	-1.0393183	RPL37A	XM_001121282.1
DM10013P2	0.67881596	1.0461371	1.1087872	1.0906615		
DM09860P3	0.6788881	1.3122237	1.1352682	-1.0505488		
DM13895P1	0.6789657	-1.0329031	1.1689799	-1.0626069		
DM08707P2	0.67911345	-1.0819464	-1.0596728	1.2374922		
DM02884P2	0.67913777	1.02958	1.2625927	1.1771755	BRAFLDRAFT	XM_002600223.1
DM09721P1	0.6794157	1.1831918	1.1127623	1.0675231		
DM03685P4	0.6795159	1.1412593	-1.146207	-1.2291273		
DM06734P1	0.6798048	1.0642112	1.0751857	1.170536		
DM10124P2	0.6798872	-1.1228682	1.044422	-1.0024229		
DM01169P4	0.68018484	-1.0658797	-1.0821384	-1.0214422	LOC663894	XM_969923.1
DM15313P1	0.68024486	-1.0125484	-1.0048243	1.0893945		
DM14617P1	0.6803064	-1.1348834	-1.1768966	-1.2180811		
DM02294P4	0.68034804	-1.0880378	1.0079961	-1.1107672	LOC587315	XM_001191036.1
DM14228P2	0.6804453	-1.1109749	1.0917581	1.1163625		
DM08583P2	0.68065196	-1.1263429	1.0600107	-1.002799		
DM10585P1	0.68072915	-1.0904702	-1.0002234	-1.0335006		
DM12525P1	0.68079245	1.2998769	1.7480338	1.1075646		
DM05541P4	0.68083537	1.0181949	-1.3355108	-1.7043515		
DM11290P1	0.6808994	1.0683042	-1.072622	-1.0224464		
DM14464P2	0.6809016	-1.0500993	1.0780438	-1.0072817		
DM09328P3	0.68095946	-1.0824761	-1.0260706	-1.1512897		
DM08624P3	0.68105495	-1.0901471	-1.0943898	-1.2386934		
DM14422P3	0.6811265	1.1227221	1.1798538	1.0057715		
DM05008P4	0.68144834	-1.1319829	-1.0993438	1.0589406		
DM06453P1	0.68164396	1.3087546	1.0508858	-1.1783195		
DM10572P2	0.68175864	1.0807799	1.2466542	1.2369301		
DM05308P1	0.68185693	-1.117066	1.1642972	1.1407337		
DM03056P3	0.68197465	-1.106004	-1.0733652	1.0874617		
DM05204P1	0.68199104	1.0065743	-1.0360261	1.1326907		
DM11538P3	0.6820218	-1.0485216	1.0854458	-1.0192884		
DM15274P3	0.68207765	-1.1460525	1.0434625	-1.0241036		
DM06651P1	0.6821934	-1.0263815	1.1287229	1.0400925	DERE\GG105	XM_001970283.1
DM03239P1	0.6823639	1.0870749	1.014271	1.1235625		
DM10418P2	0.6823687	1.2263234	1.2978103	1.3608235		
DM14772P3	0.68241835	-1.0953838	1.0919672	-1.0605291		
DM08183P3	0.6824345	1.1775626	-1.0160458	1.333084		
DM02179P2	0.68245757	-1.0392545	-1.0610946	-1.0278382	CD63	NM_001087051.1

DM08291P1	0.6826791	1.0618653	1.1108432	1.0793748	
DM07525P2	0.6826821	-1.1734347	-1.1197826	-1.1283939	
DM01985P1	0.68269897	-1.0876746	-1.0764793	-1.0435461	DGRI\GH247\XM_001992425.1
DM14670P1	0.6827682	1.0689847	-1.0869895	-1.0607866	
DM06026P2	0.68280375	1.025346	1.1510272	1.0782087	
DM05712P3	0.6831485	1.2702827	1.0964109	1.2556164	
DM08991P3	0.6833336	1.0367161	1.0785319	-1.0473692	
DM08020P3	0.6836126	-1.1382542	-1.2534977	1.1308497	
DM01237P3	0.6836844	1.1455884	-1.1786481	-1.0704482	DSEC\GM158 XM_002039819.1
DM13823P3	0.68386483	-1.1312215	1.0268054	-1.0188695	
DM09921P4	0.6839108	-1.0554858	1.1652912	1.0400004	
DM06912P4	0.6840273	1.180098	1.0811039	1.0084116	
DM07075P2	0.68404794	1.1290821	-1.2404687	1.1106429	
DM07345P2	0.68410856	1.1026706	1.1103709	1.2093089	
DM12478P1	0.6843052	1.1049827	1.1073698	-1.0167874	
DM08821P1	0.6843146	-1.0180651	-1.1287274	-1.105911	PBX1 NM_001142077.1
DM04141P1	0.6844727	-1.0966132	-1.1459316	-1.0797275	DYAK\GE247\XM_002096945.1
DM03749P1	0.6846228	1.1743814	1.1760296	1.0104102	SULT1 XM_001858105.1
DM01326P3	0.6851755	-1.0713865	-1.1389507	1.0115427	
DM14709P2	0.6852426	1.0118437	-1.0278314	1.1500005	
DM13865P1	0.68528336	-1.3229234	-1.3227599	1.0404911	
DM03691P3	0.6853199	-1.1346455	-1.1823382	-1.1755418	
DM07471P1	0.685452	-1.0314441	-1.1504192	-1.0110335	
DM00716P3	0.68548006	1.0462477	-1.0494468	1.0164274	PHYPADRAFT XM_001753878.1
DM11144P3	0.6854835	-1.0293931	1.0880643	-1.0188607	LOC1001205\XM_001604092.1
DM06476P3	0.68552035	1.0289953	-1.2666665	1.2106956	
DM14011P2	0.6855241	-1.1244986	-1.0568547	1.0616256	
DM14774P1	0.68553627	1.0062059	1.0472627	-1.1866323	
DM08674P1	0.68556684	-1.5206027	-1.2619433	-1.1242318	
DM03600P3	0.68590754	1.0331776	1.2948639	1.1038334	
DM05474P1	0.6860961	-1.1012039	-1.0975282	-1.0236603	
DM01049P3	0.6862471	-1.0785314	-1.0131621	-1.1136723	LOC1001659\XM_001949855.1
DM13862P2	0.68628937	-1.0042704	-1.054908	-1.1591376	DPSE\GA182\XM_001359873.2
DM07889P1	0.6869168	1.0185534	1.0547299	1.165689	
DM00073P2	0.6869293	1.0063138	-1.076669	-1.0071541	LOC1001630\XM_001943961.1
DM11357P2	0.68708676	-1.3279078	-1.15763	-1.246732	
DM01514P3	0.68716913	1.0862678	1.0777162	1.0010202	ISCW_ISCWC XM_002414286.1
DM01354P3	0.6872473	-1.0593429	-1.0918131	-1.0673711	LOC1001994\XM_002154593.1
DM14622P1	0.68725777	1.0161569	1.024929	1.1221503	
DM04594P2	0.687309	1.1722565	1.1442058	1.2297301	FG00811.1 XM_380987.1
DM10320P2	0.6875828	-1.2348722	1.2228891	1.022555	
DM05512P3	0.68776995	-1.0192282	-1.0067658	1.1151084	
DM00844P3	0.687807	1.0007615	-1.1715454	-1.1325043	
DM02560P2	0.6879131	-1.0405141	1.1218956	1.2424892	CP37 NM_001172246.1
DM06455P4	0.68800944	-1.1023341	-1.0693247	1.0325674	
DM13416P2	0.6881787	1.2886004	-1.3309258	1.2768198	
DM12527P3	0.68840826	-1.0797977	-1.0168481	1.1651915	
DM15078P1	0.68844736	-1.1437098	1.11464	-1.3218647	DSEC\GM177 XM_002043908.1
DM04545P2	0.68851036	-1.0987836	-1.0895817	-1.1112981	
DM10188P1	0.6886032	-1.1740661	-1.1298839	-1.3853668	

DM13403P2	0.68868196	1.1095756	1.2480454	1.0976185	
DM11668P3	0.68871903	1.0137814	-1.111322	1.010673	
DM05981P2	0.68877655	1.1747369	-1.1422901	1.1962954	LOC1002257!XM_002200585.1
DM07655P1	0.6888343	1.0557278	-1.0193498	-1.2294538	
DM06403P3	0.68884975	1.0639777	1.1473109	1.3219703	
DM05633P2	0.6888535	-1.0070374	-1.104681	-1.069399	
DM02733P2	0.68895113	1.062793	1.1580253	1.1101887	DYAK\GE161!XM_002100433.1
DM12029P1	0.6890926	1.1538292	1.0111704	-1.0445884	
DM03958P1	0.6890931	-1.0200974	-1.4731089	1.1073215	BRAFLDRAFT_XM_002609359.1
DM14999P2	0.6892303	-1.1385572	1.0676017	1.0745693	
DM01336P1	0.6892478	-1.0199467	-1.2597649	1.0289111	DWIL\GK138!XM_002072963.1
DM03318P2	0.6893566	1.0150738	-1.1109967	-1.1704326	
DM06586P2	0.6893778	-1.132629	-1.0457855	-1.2662652	MLT-11 NM_075592.3
DM03955P2	0.6894717	-1.2436157	1.1326313	-1.2969254	
DM00550P1	0.68989074	-1.0417182	1.0005767	1.0364065	BRAFLDRAFT_XM_002599258.1
DM03142P1	0.6899119	-1.249781	-1.2118348	-1.2452128	
DM09520P2	0.6901237	1.013572	-1.0880566	-1.1059295	
DM11134P3	0.69012743	1.0444847	1.2638254	1.1691091	
DM04423P2	0.6901668	1.0382086	-1.0300779	-1.0538622	
DM06084P1	0.69025725	-1.1495985	-1.028771	-1.0718791	DGRI\GH228!XM_001994985.1
DM02801P1	0.6906353	-1.0832251	-1.0860236	-1.1068476	DGRI\GH150!XM_001984286.1
DM14623P1	0.69071007	-1.1824901	-1.4086798	-1.149756	
DM07833P1	0.6909092	1.0030317	1.2355738	1.0481589	
DM00441P2	0.69097054	-1.0186963	-1.1075261	-1.0768379	
DM05848P3	0.69104856	1.0118091	1.0056123	1.0472963	LOC1002146!XM_002161922.1
DM02094P1	0.6911562	-1.039108	-1.0476924	1.0689859	DSEC\GM242 XM_002031070.1
DM01182P1	0.6912318	-1.1016979	-1.0321374	-1.0331151	CPD XM_001870172.1
DM09579P2	0.69135165	1.0292253	1.0673835	-1.0788385	
DM03839P1	0.6918247	1.1637416	1.1946607	1.0638225	
DM03724P1	0.6919084	-1.0017684	1.0856642	-1.138073	LOC579365 XM_001187572.1
DM09202P3	0.6922743	-1.1433548	-1.0148396	-1.0084404	
DM04313P1	0.6922817	1.2486819	-1.0661962	1.2474262	
DM04152P3	0.69238275	1.0001116	-1.0151998	-1.052174	
DM05439P2	0.69245183	-1.0627289	1.0828042	1.0551802	
DM14066P1	0.69253516	1.0608991	1.1414713	1.1135648	DMO\GI224!XM_002000628.1
DM01927P3	0.6925576	1.3078998	1.2321762	1.2004085	LOC1000276!XM_001370957.1
DM14188P2	0.6925945	-1.0531834	-1.0097935	1.1686413	
DM02582P1	0.692612	1.3267243	1.7371478	1.297658	
DM04883P4	0.6927771	1.033997	1.0396006	1.1050618	
DM10832P4	0.6929874	-1.0077566	-1.1259103	-1.1023161	
DM13380P2	0.69314057	-1.0175436	-1.0057384	-1.1547588	
DM06003P3	0.6932127	-1.0856912	1.142446	-1.0771872	
DM14307P2	0.693308	-1.0539718	1.094561	1.0402999	
DM10530P2	0.6934816	-1.0855207	1.2185649	1.1545274	
DM09422P2	0.6936536	-1.3676739	-1.1918994	-1.4319199	
DM10402P4	0.6937499	-1.0755633	1.1081442	-1.0528934	LOC661679 XM_967827.2
DM12405P3	0.69384146	-1.081285	1.0898348	1.0325768	
DM06662P3	0.6939366	-1.0619892	1.013948	1.2437671	
DM02133P2	0.69394606	-1.0121264	1.1007038	-1.0428394	SS1G_07775 XM_001591100.1
DM05550P1	0.6940706	-1.1040947	1.0431116	1.0307572	

DM00391P4	0.69407755	1.0232968	1.0934213	1.0670145	SDCCAG1	NM_025441.2
DM08767P1	0.6941727	-1.0644149	1.1607231	-1.0301498	TBL1XR1	NM_001017274.2
DM05530P1	0.6942603	-1.0231793	1.280276	-1.1894593		
DM08513P1	0.69449043	-1.1452112	-1.0964556	-1.0174367		
DM04863P3	0.6948147	-1.132873	-1.1888597	-1.0113357		
DM13203P1	0.6948966	-1.1533531	-1.0213714	1.0239506		
DM06865P3	0.6949707	-1.0251526	-1.0405685	1.0578457		
DM04654P2	0.6950134	1.0318809	1.244021	1.1998416	POPTRDRAFT	XM_002326694.1
DM03739P1	0.6950808	-1.1192292	1.0017793	-1.0518029	TMEM184C	NM_001091995.1
DM05303P1	0.6951932	1.209077	1.1281108	1.1759416		
DM01338P4	0.6952132	1.0174235	1.0089138	1.1182387	LOC1001625	XM_001944882.1
DM02350P1	0.6953093	1.0144905	1.0072191	1.0267743	DNAJC28	NM_001015977.1
DM05206P1	0.69533277	1.0912926	1.017096	-1.1413122		
DM04049P2	0.6955046	-1.2501391	-1.1491625	-1.3516109		
DM02672P1	0.69576657	-1.1601524	-1.0221939	-1.1144257	LOC577484	XR_026520.1
DM11317P4	0.69594866	1.1181035	-1.0214438	1.0177265		
DM01830P1	0.69623315	-1.303143	-1.1892068	-1.2554587	AGAP_AGAP0	XM_309221.3
DM09703P1	0.69633806	1.0922656	1.2810739	1.2924161		
DM13222P1	0.6964155	-1.0723197	-1.2026469	-1.1037182		
DM09126P3	0.69646347	1.0297445	1.082788	1.1297375		
DM10093P1	0.6965184	1.0128378	-1.0786442	1.0166821		
DM08113P2	0.69653344	1.1080933	1.1367229	1.1094873		
DM04473P3	0.6966014	-1.0423404	-1.1183833	-1.1346813		
DM07281P1	0.69679	-1.0323728	1.1244404	1.0602549		
DM09352P2	0.69682896	-1.0312356	-1.0370215	1.109126	PKA-R1	NM_001014595.2
DM14340P2	0.69713783	1.0190598	-1.2898164	-1.108701		
DM05171P1	0.6972623	1.0557381	-1.0559877	-1.0561932		
DM12955P1	0.69773084	1.1969074	1.1306783	1.1549124		
DM05423P4	0.6980948	-1.0706787	-1.26243	-1.0595297		
DM02148P4	0.6981183	-1.098497	-1.0168525	1.036394	DPER\GL231	XM_002013793.1
DM11047P3	0.6985071	1.049655	-1.1313082	1.1054022		
DM01494P2	0.69858706	1.0856291	1.1260233	-1.0125583	NEMVEDRAFT	XM_001633859.1
DM03813P3	0.6985933	-1.212745	1.2115271	-1.1455506		
DM01264P2	0.69863707	-1.0215807	1.0373232	-1.0491949		
DM03883P1	0.69873583	1.0963037	1.1199379	1.0390456	AAEL_AAEL01	XM_001655005.1
DM02846P4	0.69890565	-1.0618167	1.115098	1.3335689		
DM07483P2	0.69892764	-1.0754535	-1.0539036	1.1230066		
DM00866P3	0.69905216	-1.018874	1.0013797	-1.0750234	EP400	XM_001659262.1
DM01706P1	0.69920594	-1.1659423	1.2159964	-1.1179081	DWIL\GK172	XM_002061928.1
DM13440P1	0.699209	-1.1274527	-1.1374134	-1.068805		
DM03297P3	0.6992485	1.1056075	-1.3174558	-1.010694	CPIPJ_CPIJOC	XM_001849399.1
DM12119P3	0.699277	1.0422814	-1.0938834	-1.1256671		
DM07806P1	0.6993688	1.0265174	1.0398377	-1.0631529		
DM12511P3	0.69943327	1.0347006	-1.2730774	-1.3192741		
DM05846P2	0.6996239	1.1035607	-1.1439382	-1.1293645		
DM01431P1	0.69984174	1.0137683	1.3758647	-1.045909	SP33	XM_393316.3
DM07421P1	0.6999941	1.1157585	1.5191635	1.1283965		
DM05612P2	0.7002548	-1.2631882	-1.0135262	-1.0065899		
DM04931P1	0.7002685	-1.2201798	-1.2484494	-1.384673		
DM01716P4	0.7002998	-1.003524	1.0258667	1.0120751	AAEL_AAEL0C	XM_001651978.1

DM03559P3	0.70031404	-1.0523258	1.0352141	-1.0805849	LOC551451	XM_623843.2
DM08693P2	0.7003921	-1.0658404	-1.0289513	1.038363		
DM08127P2	0.70047545	1.0914012	1.1553249	1.0986388		
DM04606P3	0.7009852	-1.0683424	-1.0782603	-1.0112797		
DM03476P1	0.70100015	-1.0682725	-1.0443538	-1.0473648	RPL18A	XM_001855114.1
DM14055P1	0.7011506	1.0123752	-1.1436409	1.105609		
DM13412P2	0.70118487	-1.2878344	-1.0378343	-1.2350368		
DM15331P3	0.7012307	-1.1303724	-1.10827	-1.0012585		
DM04719P3	0.70154256	1.005168	-1.115519	-1.0425653		
DM14931P2	0.7015708	1.1662378	1.1627207	1.1278963		
DM02772P1	0.7015801	-1.166254	-1.0885857	1.0094384		
DM02698P3	0.7016014	1.0400517	1.0895023	-1.0105708		
DM02022P2	0.7016599	1.1403127	-1.0700054	-1.0715919	DSEC\GM150	XM_002044256.1
DM10750P3	0.70170873	-1.091554	-1.0006629	-1.2691343		
DM04287P1	0.7018457	1.2673957	1.3679942	-1.1381433		
DM06047P1	0.70195407	1.2138746	1.415222	-1.0148695		
DM05446P1	0.7020039	1.0044988	1.0015446	-1.0655022		
DM03195P1	0.7020162	1.1009619	1.2946132	-1.0328355	TTHERM_004	XM_001033068.1
DM15146P1	0.70206124	1.1098274	1.3447028	1.2294401		
DM06235P4	0.70236164	1.0113168	1.1024019	-1.027241		
DM13201P2	0.7025492	1.0690339	-1.0199175	1.2818927		
DM00967P4	0.70266366	1.0810504	1.0310187	1.0887271	DYAK\GE108	XM_002099376.1
DM14397P1	0.70294887	-1.1336604	-1.2451209	-1.005112		
DM10278P1	0.7031064	1.1277537	1.19756	-1.0367798		
DM13023P1	0.70319384	1.1448386	-1.0919787	-1.0976677		
DM12943P1	0.70321536	1.1593033	-1.124265	1.0058963		
DM10134P3	0.70323086	-1.0815759	1.1307199	1.146176		
DM05557P3	0.7032424	-1.2820343	1.0045482	-1.1026198		
DM02087P1	0.70330054	-1.0533406	-1.230507	-1.1338168	ACAC	XM_001651829.1
DM12078P4	0.703542	-1.0935032	-1.0178586	1.0047168		
DM12080P1	0.7035768	-1.0711292	-1.0370262	-1.2925383		
DM15213P1	0.70378673	1.5917782	-1.1488237	1.0968722		
DM12052P3	0.70401144	1.0013397	1.1273905	1.1582761		
DM02076P2	0.7041329	-1.1489521	-1.0992527	1.0316889	LOC1000808	XM_001511655.1
DM13572P3	0.70446545	-1.0591581	1.0093393	1.0623244		
DM15026P1	0.7045356	-1.0270095	1.0489289	1.0956584		
DM01621P4	0.70457894	-1.0474828	-1.0682083	-1.0389361	LOC408516	XM_392060.3
DM02036P2	0.7046235	1.0468214	1.0692672	1.0769329	DSIM\GD164	XM_002105785.1
DM10199P2	0.70462954	-1.0346416	-1.1425937	1.0193876		
DM06327P1	0.704696	-1.030609	-1.1448774	-1.0363333	PB103351.00	XM_666562.1
DM14693P2	0.7047057	1.253481	1.1355207	1.199856		
DM14209P1	0.7048037	-1.0127172	-1.1077176	-1.0242647		
DM03551P3	0.70504504	1.1000274	1.3036313	-1.0918376		
DM14923P3	0.7052992	1.1215928	1.031283	1.0791692		
DM02084P2	0.70539945	1.0893201	1.0580406	1.0073864	LOC552756	XM_625132.2
DM02026P3	0.7054486	-1.039075	-1.095825	-1.0413042	FK506-BP1	XM_001121759.1
DM09079P3	0.70556015	1.067522	1.1036739	-1.0016115		
DM07318P1	0.70573485	1.0026834	-1.1014737	-1.1288092		
DM07184P1	0.70585847	-1.1592834	-1.2116632	-1.3430183		
DM07304P2	0.7060237	-1.001701	1.2871944	1.2449282		

DM15269P3	0.70650357	-1.2030299	-1.1654902	1.0638981		
DM13093P1	0.70664126	-1.1673485	-1.2349807	-1.2948467		
DM09893P1	0.70673126	1.0759091	-1.2539914	-1.2736572		
DM12556P2	0.70675683	1.007295	1.1389563	1.1132512		
DM07507P2	0.7068394	1.1157293	1.0531346	-1.0919037		
DM06202P2	0.7075145	1.0102087	-1.0475612	-1.1168966	LOC658784	XM_965143.1
DM06854P1	0.7075853	-1.0911463	-1.2489856	-1.0761392		
DM04629P3	0.70767784	-1.0308784	1.0472636	1.059628	NSA2	XM_517704.2
DM13935P3	0.7076951	-1.0489702	1.115143	-1.0475461		
DM14274P2	0.7077561	1.1711544	1.1617556	1.1244193		
DM13668P2	0.70821273	1.0659782	1.1911274	1.0432246		
DM04996P3	0.7082679	1.0206128	1.0743213	1.121779		
DM06644P3	0.7083467	1.0435172	-1.0029981	1.0836366		
DM02614P1	0.708415	-1.1292232	-1.1687622	-1.2132275	RPL19	NM_001043756.4
DM01700P3	0.7085986	-1.0120687	1.0189017	1.0356437	UPRT	NM_145052.3
DM09386P1	0.7086195	-1.0742344	-1.4710559	-1.370052		
DM06151P3	0.708824	1.0972418	-1.2041303	1.2778693		
DM04362P4	0.7089146	1.1126288	1.0954448	1.114065		
DM06297P3	0.709094	-1.0333878	-1.0847155	-1.1539758	KANSL2	NM_133714.4
DM03762P4	0.70916706	-1.1240873	-1.0966184	-1.0083063	MAN2B1	NM_199404.1
DM08920P1	0.70923156	1.109923	-1.1114476	-1.0094413		
DM09483P2	0.7095222	-1.0012887	-1.2930701	-1.2326696		
DM02278P2	0.70952946	1.0038031	1.0266583	1.0187218	LOC1002190	XM_002186862.1
DM01676P1	0.7096693	1.0026405	-1.0120282	-1.0133971	RPS11	NM_013725.4
DM08431P3	0.7096997	1.123803	1.0297337	1.0280582		
DM00726P3	0.709778	1.1395241	1.0829353	-1.0338079	DVIR\GJ1354	XM_002047589.1
DM13385P3	0.7098458	-1.1368836	-1.0804223	-1.0031966	LOC1002007	XM_002161599.1
DM07768P3	0.7100298	1.0098412	-1.0033087	-1.1260747		
DM05745P1	0.71014124	1.2950346	1.0917599	1.0046165		
DM00932P3	0.7101651	1.2861987	1.2058493	1.2529551	DGRI\GH171	XM_001985612.1
DM08286P3	0.7102208	-1.1972008	-1.1046486	-1.0916657		
DM14383P4	0.71025723	1.0071905	-1.0274024	-1.0874873	DWIL\GK220	XM_002066141.1
DM04671P3	0.7103961	1.1202424	1.2271398	1.1265929		
DM01659P1	0.71045434	-1.0736467	-1.0877328	1.0804825	LOC1001177	XM_001604061.1
DM08035P3	0.7105929	-1.1314068	1.0226873	-1.0518031	CHMP4B	NM_001094821.1
DM08892P2	0.7106828	-1.2094398	1.0544238	1.0306852		
DM09095P2	0.71075016	-1.0326377	1.0871965	1.0754207		
DM04612P2	0.7107961	1.1772488	1.3332589	1.2575393	CSD1	XM_001422393.1
DM05040P2	0.7108222	-1.0845827	-1.1638242	-1.009996	CG17012	NM_134818.2
DM07886P2	0.71104497	-1.5715171	-1.2834742	-1.0737168		
DM08799P1	0.7111773	1.0390882	-1.0882819	1.0039988		
DM01810P4	0.7111793	1.0777094	1.0121684	-1.1246107	LOC412885	XM_396337.2
DM04986P1	0.71128005	1.0515758	1.13173	1.1308119	DGRI\GH217	XM_001987043.1
DM09234P1	0.71130514	-1.0343398	1.1275684	1.1634041		
DM06017P2	0.7113225	-1.0021205	-1.0496033	1.0552995		
DM09418P3	0.7113918	-1.0314134	-1.0050619	1.0581871		
DM01310P1	0.7114069	1.0917157	1.0435123	1.0806445	EXOC1	XM_001659759.1
DM03217P3	0.7116078	-1.0642334	1.0691137	1.1346452		
DM09787P1	0.71168995	1.1366395	-1.167808	1.0699754		
DM03295P3	0.7122411	-1.0650369	1.0051291	-1.0020971	DYAK\GE141	XM_002092311.1

DM11288P2	0.7122828	1.0467117	1.0559523	-1.0118493		
DM01804P1	0.7125062	1.077896	-1.0597789	-1.0807662		
DM07404P2	0.71265614	-1.1688038	1.0214108	1.0293995		
DM05272P1	0.7127642	-1.1246593	-1.064696	1.0125977		
DM01321P2	0.7127783	-1.0429058	1.1488463	1.1678516	BRAFLDRAFT_XM_002600910.1	
DM13864P3	0.7129353	1.0408453	1.1253026	1.2020798		
DM06347P3	0.7131336	1.661997	2.1418898	1.2986205		
DM09380P3	0.7132261	1.1137716	1.1117067	1.1423073		
DM03143P2	0.7132422	1.0700475	1.0009135	1.4259868		
DM14500P2	0.713307	-1.2408476	-1.1469057	-1.1704721		
DM07907P1	0.71333593	1.1008737	-1.1958531	1.1924664		
DM13517P1	0.71348995	-1.1061416	1.1068567	1.0327215		
DM08089P3	0.71351135	1.0481474	1.0585799	1.044619		
DM05858P1	0.71367145	-1.0695127	-1.093586	-1.0342573		
DM11700P3	0.7137222	1.0078696	1.0613729	-1.0416299		
DM09448P3	0.7137903	-1.1269101	-1.0347506	-1.0029407	CDKAL1	NM_001091487.1
DM10629P1	0.71382403	-1.3251975	-1.0169467	1.1080197		
DM08123P3	0.71390545	-1.2976235	-1.1834388	-1.1992471		
DM11934P2	0.7139532	-1.1298949	1.002019	1.175269		
DM07505P1	0.71399444	1.2029477	1.3033214	-1.014738		
DM14529P4	0.7140238	-1.184927	-1.4300845	-1.2427431		
DM10363P2	0.7140839	-1.0547103	-1.0237389	1.0232869		
DM07097P4	0.71411633	-1.1187866	-1.1008666	1.0145484		
DM10317P1	0.7143293	-1.0055796	1.1641108	1.097245		
DM00956P3	0.7143333	1.0052971	1.0909826	-1.0438685	METTL5	NM_001114181.1
DM09288P4	0.7145407	-1.2408577	-1.1577694	-1.3368806		
DM09349P2	0.71468276	-1.0381569	-1.0988245	-1.1394818		
DM07970P2	0.71475893	1.2657471	1.072853	1.2821156		
DM06352P1	0.71491885	-1.1488707	-1.0761886	1.0488805		
DM05475P1	0.71499527	-1.0322238	1.053985	1.0758739		
DM15041P4	0.71553695	-1.0126953	-1.1559331	-1.1204406		
DM11586P2	0.71555054	-1.0388339	1.0506815	1.011129		
DM02914P1	0.7160045	-1.1637295	-1.5813975	-1.652588	LOC664385	XM_970392.1
DM08980P2	0.7160166	-1.2528912	1.0832627	1.0036325		
DM01642P3	0.71605456	1.0481988	-1.128237	-1.0493441	OAT	NM_016978.2
DM06014P3	0.71617305	-1.0903171	1.004652	-1.021438	LOC550824	XM_623214.2
DM07931P4	0.716204	1.1751875	1.1577517	1.0221223		
DM07628P3	0.7162176	1.1353705	1.1927006	1.1448184		
DM06757P2	0.71625733	1.2073928	1.0062635	1.5566347		
DM08239P3	0.71632475	-1.0248888	1.180113	-1.1009362		
DM04541P3	0.7164349	1.0849776	1.0017049	1.075139	DYAK\GE256(XM_002096289.1	
DM13197P1	0.7165448	1.0557874	-1.024731	1.0278121		
DM00762P2	0.71661377	-1.2318522	-1.1699411	-1.1060241	MGC154819	NM_001096967.1
DM10324P1	0.71665776	-1.2976961	1.1253624	-1.00728		
DM01192P2	0.7167632	1.0262836	-1.0646443	-1.1469444	LOC579905	XM_779997.2
DM06788P1	0.7167889	-1.0249274	-1.0856029	1.0130017		
DM10030P1	0.71684295	-1.0716517	1.0098767	-1.0901536		
DM14361P2	0.71684295	-1.0233614	1.1392591	1.2257789		
DM14777P1	0.7169003	1.1456195	1.1870168	1.1914402	BRAFLDRAFT_XM_002613404.1	
DM02311P2	0.7171112	-1.2203007	1.061699	1.0269203	LOC692914	NM_001046757.1

DM15232P1	0.71739626	-1.2509017	1.1196513	1.2086092		
DM04144P3	0.71750647	-1.0016288	1.0823598	-1.143373		
DM14471P1	0.717782	-1.0618778	1.0764827	1.0398945		
DM04604P2	0.7179008	-1.0012767	-1.0168048	1.0435627	DWIL\GK140	XM_002073271.1
DM09078P4	0.71800375	-1.0084481	-1.0044786	-1.1327394		
DM15064P3	0.7181731	-1.0599968	-1.3687192	-1.0653442	LOC469018	XM_001139228.1
DM09959P1	0.7182081	-1.2367934	1.039939	-1.0338937		
DM13571P4	0.7183659	1.1517316	1.2532096	1.1043165		
DM07711P4	0.71845025	-1.2023108	-1.0814538	-1.199527		
DM15221P3	0.7185738	-1.0609763	1.1075824	1.0389167	AGXT2L1	NM_001102865.1
DM04067P2	0.7186405	-1.0189365	1.069651	1.7404206		
DM06181P1	0.71873367	-1.0746809	-1.0880233	-1.1423305	UBA1	NM_001014080.1
DM09547P2	0.7187918	-1.1585356	1.2288818	1.0472558		
DM10804P1	0.7189343	-1.2343152	-1.1689197	-1.2300462		
DM00212P2	0.71893555	-1.1074545	-1.0936203	-1.1272756	DSEC\GM180	XM_002037797.1
DM06923P2	0.71904683	-1.091896	-1.0610535	1.1118901		
DM09469P2	0.7191415	1.0644325	-1.085031	-1.0213714		
DM12725P1	0.7195048	-1.1108674	-1.2278668	1.0302106		
DM00297P2	0.71951836	-1.1041377	-1.1132172	1.0348524	LOC1001625	XM_001944882.1
DM14124P2	0.71979356	1.0417113	1.1046022	1.20442		
DM14632P2	0.7198205	-1.0246884	-1.1142168	-1.0643951		
DM14904P3	0.71982706	1.0227023	1.2435806	1.1242399	MOCS2	XM_397469.3
DM07259P3	0.71986157	1.0455794	1.1669127	1.2178546		
DM15025P3	0.7200326	-1.0075315	-1.171962	-1.2440501		
DM05307P1	0.72003454	1.0083575	-1.0038193	-1.1393731		
DM13707P1	0.7201086	-1.0813059	1.0073144	-1.0574753		
DM12906P1	0.7202552	-1.4060713	-1.1416507	1.0412291		
DM13191P1	0.72031134	-1.0157465	1.0121957	1.0267117		
DM00448P1	0.7203597	1.083711	1.0897417	1.0158254	DNAJA2	NM_213493.1
DM02387P4	0.72043246	-1.0180813	-1.0825068	-1.0085883	BRAFLDRAFT	XM_002610200.1
DM01038P2	0.7209125	-1.0157557	-1.0890528	-1.0038489	EHI_008200	XM_645264.2
DM15248P3	0.7209173	1.1474744	1.012467	1.2036747	LOC1000156	XM_001365698.1
DM05023P3	0.7210888	-1.0985022	-1.1729306	-1.144595		
DM07542P1	0.7211118	1.1667572	1.0796845	1.1087033		
DM13514P1	0.7212881	1.0341696	1.0763093	1.1054994		
DM02978P1	0.72131276	1.0361534	-1.0176309	-1.0062284		
DM07910P3	0.72133094	-1.0734799	1.0044041	1.0361146		
DM01439P1	0.7213873	-1.1436927	-1.0032395	1.0334789		
DM07732P2	0.7216511	1.3012826	1.0095677	1.2530131		
DM11739P2	0.7217335	-1.0134268	1.0639082	1.0504383		
DM05437P1	0.7219688	-1.015243	-1.0818247	-1.0914841		
DM02666P3	0.722058	1.0181292	1.0873353	1.0430777	CG8665	NM_136263.1
DM10122P1	0.7220769	1.0425496	-1.0704594	-1.1346283		
DM13292P1	0.7227409	-1.1584771	-1.043899	-1.4710126		
DM12174P3	0.72286236	1.041656	1.0710787	1.0743096		
DM11476P1	0.7229339	1.0687428	-1.0376331	-1.0260293	DYAK\GE116	XM_002092419.1
DM11372P2	0.7229435	-1.0367339	1.0000978	-1.071737		
DM15220P3	0.7231023	-1.0496646	-1.0886041	1.0127388		
DM12122P2	0.7232875	1.0803561	-1.0367838	1.0126379		
DM03335P2	0.7233495	-1.0489317	-1.0731992	-1.0190029		



DM07991P1	0.72335225	-1.0449266	-1.141269	1.1294302		
DM15142P2	0.72339237	-1.0663506	1.0079575	-1.0925322		
DM05324P2	0.7234798	1.0632081	1.0205683	-1.3116682		
DM06459P3	0.72353905	1.1568651	1.4034598	-1.0215324		
DM10167P1	0.7239429	1.0390122	1.0402637	1.051036		
DM13701P2	0.72424513	-1.2347295	1.0207567	1.0836563		
DM01957P2	0.7244042	-1.0770234	-1.0336872	1.0188127	RPL13A	XM_623810.2
DM05896P3	0.7246833	-1.1088536	-1.2619603	-1.1412431		
DM08062P3	0.72524685	-2.0663161	-1.2832835	-1.249646		
DM09618P3	0.7254963	-1.0108083	1.1360863	1.2262026		
DM07552P2	0.72550434	-1.0271182	-1.0852218	1.0553026		
DM13501P1	0.72550786	1.0200218	1.0400351	-1.0623415		
DM04999P1	0.7255396	1.3870869	1.6317403	1.017101		
DM01530P1	0.7256365	-1.1644039	-1.3001814	-1.2355019		
DM09600P2	0.72574896	1.1582328	1.0713235	-1.0868533		
DM06622P1	0.7260148	-1.1754895	1.0411518	-1.0710155	LOC1001421	XM_001809437.1
DM08185P2	0.72602516	1.0283138	-1.1343814	-1.0940882		
DM12329P3	0.72605085	1.0456198	1.0908722	1.1800709		
DM11488P4	0.7263697	-1.0290035	1.0675951	-1.1229458		
DM02375P3	0.7264045	1.1069977	1.4464822	1.1519198	DGR1\GH206	XM_001986103.1
DM04064P3	0.7265243	1.1228971	1.1391122	1.1813236	AMY	XM_001653232.1
DM03332P3	0.72668123	-1.019346	-1.0753081	-1.1086099		
DM14429P2	0.7267024	1.0338521	-1.2994062	1.0076733		
DM10416P3	0.72671324	-1.1335284	1.1075991	-1.1186574		
DM05811P3	0.7269145	-1.0028985	1.4233688	1.3492907		
DM07031P2	0.72744334	1.1941811	-1.1622589	1.0626712		
DM13202P1	0.7275521	1.027629	-1.0801865	-1.0490314		
DM14476P3	0.72778904	-1.1399982	-1.0054069	-1.0358561	DMOJ\GI140	XM_002011367.1
DM13110P2	0.7277908	-1.0244561	1.2525041	-1.0110056		
DM01366P3	0.7282962	-1.0607138	-1.0445579	-1.1888695	AAEL_AAEL0C	XM_001651918.1
DM07267P2	0.7283737	1.1755049	-1.209708	-1.1191167		
DM14794P4	0.7286435	-1.1078115	1.0233332	-1.1692324	CG33138	NM_176162.1
DM05403P1	0.728644	1.286293	1.1145205	1.0532525		
DM09587P3	0.72886586	1.1292647	-1.0607963	-1.1455003		
DM07199P3	0.7290892	-1.373929	-1.2023369	-1.1839955		
DM11791P1	0.72909045	-1.0688037	1.0791187	-1.0738294		
DM14929P1	0.72924143	-1.2006493	-1.2507201	1.0504283		
DM06281P1	0.7292596	1.002396	1.0774379	-1.0434504		
DM00825P2	0.72943676	1.0769937	-1.065223	-1.0153292	DSIM\GD222	XM_002078942.1
DM12441P1	0.72958726	1.0263827	-1.0090843	1.0946655		
DM09477P2	0.7296011	-1.0439818	-1.0013238	-1.1834917		
DM10518P2	0.72977227	1.1105945	-1.1112163	-1.0032309		
DM04404P1	0.73011005	1.0539399	1.2110577	1.2050827		
DM05491P1	0.7301868	1.14625	-1.2143265	1.1771072		
DM00889P2	0.73033273	1.0183605	1.0065956	-1.072716	DGR1\GH211	XM_001986064.1
DM08686P1	0.7304984	1.0607642	-1.0975088	1.1697735		
DM13122P1	0.7305231	-1.0588111	1.1048719	1.1122669		
DM05576P2	0.7305428	-1.1136643	-1.0706565	-1.0348566	LOC1001591	XM_001942955.1
DM09279P2	0.7306587	-1.039964	1.1073432	1.1713845		
DM06639P3	0.7308791	1.050222	-1.0621701	1.0377278		

DM06362P2	0.7313291	1.0892357	-1.0010779	1.1499802		
DM05469P4	0.7314354	-1.0777725	-1.1944987	-1.2007387		
DM04657P3	0.73171824	-1.175978	-1.028086	-1.0063119		
DM03183P1	0.7317814	-1.1108081	-1.1352096	-1.0816563		
DM03245P3	0.73181856	-1.1934686	1.0229529	-1.1749691	LOC577149	XM_001204341.1
DM02475P1	0.7319678	1.1353518	-1.0546396	1.067903		
DM09695P1	0.73198396	-1.1178635	-1.1097654	-1.0339562	LOC410325	XM_393806.3
DM07294P1	0.73211354	-1.0751256	1.1571069	1.0213972		
DM06880P3	0.7321787	-1.003006	-1.0029147	-1.2797165		
DM12713P1	0.73230577	1.0263283	1.0842637	1.0779376		
DM06747P2	0.7323085	1.6932032	2.0258172	1.295257		
DM03583P3	0.73250073	1.115551	1.1269021	1.2462718		
DM04936P1	0.73252374	-1.0553492	1.1346885	1.0590134		
DM13898P4	0.73259544	-1.1019074	-1.050611	1.1212996		
DM12374P4	0.7327104	1.002288	1.0339818	-1.0317835		
DM07649P1	0.73276347	1.0706251	-1.0814933	1.0598774		
DM14479P1	0.73313457	1.0392761	1.0362573	1.0548806		
DM08152P3	0.73317724	-1.1511848	1.0036565	-1.0083151		
DM12644P2	0.7332505	-1.038876	-1.0288575	-1.0499412		
DM13884P1	0.73349124	-1.0761385	-1.1881174	-1.0111729		
DM09794P2	0.7336959	-1.131229	1.0160922	1.0360521		
DM04624P1	0.7338033	1.1145687	1.0731199	-1.1724219		
DM06666P2	0.7338468	-1.0631479	-1.0193372	-1.0185449	C14H8ORF46	NM_001076475.1
DM10297P3	0.7343028	-1.3249011	-1.1396048	-1.1438355	NUP43	NM_001096913.1
DM03391P2	0.7343496	-1.1267334	-1.1436607	-1.0992038	BRAFLDRAFT	XM_002601944.1
DM13650P2	0.7344757	-1.0370944	-1.0052972	1.154565		
DM01712P1	0.73451334	-1.0070214	-1.0522262	-1.0024524	LOC660087	XM_970772.1
DM14130P3	0.7347774	1.1489135	1.1721338	1.1933779		
DM04799P1	0.7347837	1.1761744	-1.0553639	1.4032844		
DM12073P1	0.7348065	1.1592165	-1.021955	-1.0229897		
DM00034P3	0.73494697	1.0060935	-1.0764911	-1.0536268	LOC552343	XM_624719.2
DM03453P2	0.7351691	-1.1361647	-1.0543065	-1.0583972	RGD1307844	NM_001134565.1
DM07159P1	0.7352126	-1.0524279	1.0872227	-1.2994065		
DM08393P3	0.73547447	1.3612192	1.5418795	1.1607567		
DM03810P3	0.73552704	1.0186751	1.0677576	-1.041887	DSEC\GM110	XM_002044579.1
DM13524P1	0.7355776	1.0063418	1.1310765	-1.0069895		
DM02005P4	0.7356213	-1.089226	-1.0473379	1.1447327	ISCW_ISCWC	XM_002401228.1
DM13482P3	0.73570067	-1.1471454	1.0183152	-1.0516646		
DM12872P1	0.73586094	-1.0586401	-1.0907948	-1.0586939		
DM00254P3	0.7360225	-1.0454984	-1.0700241	-1.1582837	DANA\GF1710	XM_001953639.1
DM10844P1	0.7361193	-1.0395037	-1.086398	-1.0585668		
DM03128P1	0.73624057	-1.0089884	-1.0285171	1.1486529		
DM15345P1	0.73665744	1.0831053	1.0105478	-1.103553		
DM05900P1	0.73719114	-1.0038424	1.2220882	1.1250606	AGAP_AGAP0	XM_562889.3
DM15030P2	0.7372463	-1.1125907	-1.081839	-1.0563949		
DM12282P3	0.7375517	-1.0258583	1.0951525	1.0343894		
DM04795P3	0.73767006	-1.0718217	1.2443546	1.1571754		
DM07301P2	0.73767966	-1.1888471	1.0038099	-1.210918		
DM11250P1	0.73779595	-1.1105276	-1.0969962	-1.089065		
DM05078P3	0.7378923	1.079985	1.1811501	1.1950675		

DM06237P2	0.737929	1.0675544	-1.1060936	1.0292051		
DM10706P4	0.738126	-1.1382068	-1.11012	-1.1011133		
DM07351P3	0.73818517	1.1135888	-1.1628522	1.4258258	CADM2	NM_001167675.1
DM01660P4	0.7385184	-1.0071379	1.0141153	1.1345555	LOC587610	XM_787327.2
DM10290P1	0.7387572	1.0644137	1.0430993	-1.0260365		
DM04568P1	0.73887354	-1.2087016	-1.3406972	-1.2447952	LOC1001977	XR_053567.1
DM02168P2	0.73896205	-1.0153198	1.0711297	1.0701468	LOC724793	XM_001120139.1
DM04738P1	0.73897415	1.1608298	1.0418972	1.0632509		
DM13089P2	0.73901594	1.2004031	-1.0955682	1.2988169		
DM08010P2	0.7391363	-1.0499084	-1.0347773	1.0572007		
DM06108P1	0.73925465	1.025206	-1.2344555	1.0333135		
DM02829P3	0.7393897	1.0321891	-1.1601771	-1.0883272	LOC1002316	XM_002199210.1
DM12847P1	0.73939455	-1.0155021	-1.2509928	-1.1459478		
DM10345P1	0.73939806	-1.0581353	-1.1819264	1.2166268		
DM06068P1	0.73980683	1.0351963	-1.1158727	1.1651454	LOC662042	XM_968166.1
DM07287P3	0.7398263	1.0672425	1.1279782	1.153261		
DM10283P3	0.73982733	1.0754789	1.0838155	1.1020168		
DM08908P3	0.74005324	1.0627683	1.0671046	-1.0652565		
DM14266P1	0.74023306	-1.0288646	-1.2003163	1.0109888		
DM07647P2	0.74059916	1.4375161	1.0754526	1.1326331	F22H10.2	NM_078293.4
DM09420P1	0.74062824	-1.0283514	1.0783452	1.2823318		
DM10822P4	0.7406809	1.0481927	-1.035222	-1.0371505	LOC409884	XM_393374.3
DM13112P3	0.74097866	1.1486442	1.1632617	1.104974		
DM13219P3	0.7410186	-1.104545	1.0790137	-1.0044819		
DM14707P3	0.74104416	1.2587603	1.2614334	-1.0738529		
DM01266P2	0.7410725	-1.0617347	-1.0526127	-1.0258962	TRIADDRAFT	XM_002108192.1
DM03491P1	0.7411198	-1.0487248	1.009928	1.0081339	AKR	XM_001648411.1
DM12839P4	0.7411489	1.1869022	1.009311	-1.0263351		
DM13098P2	0.74120206	1.0278213	1.1547396	-1.0128696		
DM14205P4	0.74125844	-1.0657207	1.0158666	-1.0285132		
DM03665P3	0.74126476	-1.0642904	-1.0401707	1.0564954	PGD	NM_001021002.1
DM10918P3	0.7412964	1.1015766	-1.0723672	-1.0222155		
DM12330P1	0.7413478	1.0030054	-1.061281	1.015727		
DM00236P2	0.74136525	-1.1483754	-1.0227761	-1.0891067	BRAFLDRAFT	XM_002609530.1
DM12424P2	0.7413743	-1.0605465	1.0085872	-1.1729174		
DM07214P3	0.74169695	1.1379606	1.1303862	1.2185286		
DM10435P1	0.7419183	-1.1162889	-1.3742228	-1.340134		
DM00691P3	0.74199504	-1.1964049	1.0383481	-1.1422973	LOC1001838	XM_002119399.1
DM01429P1	0.7420593	1.2709574	-1.0803392	1.0576487	POPTRDRAFT	XM_002303291.1
DM12487P1	0.7421276	1.0761173	-1.04936	-1.013238		
DM14176P1	0.7422382	1.0998054	1.0260814	1.0006033		
DM12620P1	0.7424136	-1.0265284	-1.0129167	1.1812685		
DM10490P3	0.74247634	1.035493	1.0860636	-1.0475317		
DM00037P4	0.74252844	-1.0562952	1.011987	1.2957851		
DM02889P2	0.74258894	-1.0518131	-1.1325177	-1.1196305		
DM02559P3	0.7428296	1.0068247	-1.1120808	-1.0487075	DERE\GG194	XM_001978185.1
DM00083P3	0.7428719	1.0786326	-1.0931964	1.0139619	LOC1000103	XM_001363316.1
DM03728P1	0.7430331	1.0178741	-1.0025506	1.1400404	MCCC1	NM_001044915.1
DM08178P3	0.74303687	1.1461778	1.267453	1.1445867		
DM13400P1	0.7436461	-1.2130009	-1.0978903	1.0035641		

DM07239P4	0.74372935	1.1217778	-1.0496987	1.1291777		
DM09833P2	0.7439096	-1.063411	1.1080433	1.1484306		
DM09419P4	0.7439924	-1.2480539	-1.0767404	-1.1022364		
DM04909P2	0.7441258	-1.0631034	-1.1165053	-1.0310011		
DM00291P1	0.744284	1.0350776	1.0888542	1.1394657	LOC411557	XM_395028.3
DM09668P2	0.74430573	1.1343154	1.0688783	1.1088364		
DM06927P3	0.74435407	1.0263759	1.0970527	1.1380764		
DM10645P2	0.74448746	1.0432361	1.0990603	1.0114486		
DM01069P1	0.7445437	-1.1112244	1.0758009	1.1164535		
DM09725P1	0.7445589	1.0258524	-1.0815129	-1.0718871		
DM01056P2	0.7445672	1.1395719	1.1042136	1.017288	CYP	XM_001649921.1
DM00121P3	0.7446029	-1.385595	-1.174329	-1.1315043		
DM10386P2	0.7446619	1.0850878	1.4304086	1.1535692		
DM05658P1	0.74473226	-1.1760285	-1.0178931	-1.1821578		
DM11761P3	0.74477077	1.054581	-1.1370414	-1.1174161		
DM14189P2	0.74488366	-1.1746361	1.544577	1.0064379		
DM03365P3	0.7453908	-1.1019198	-1.1033627	-1.0035509	MPER_13743	XM_002387459.1
DM03396P1	0.74550265	-1.0415642	-1.1140611	-1.0759618	STIP1	NM_001043492.1
DM10658P1	0.7458328	-1.0582575	1.0398794	1.0351064		
DM00984P2	0.7462182	1.1126325	-1.1122903	1.1637514		
DM00798P1	0.746521	1.0512744	-1.0058641	1.133837	DERE\GG118	XM_001981063.1
DM02815P1	0.7466985	-1.0356619	1.0856616	1.0909137		
DM07069P2	0.7471237	-1.3592684	-1.1154248	-1.4108135		
DM14063P1	0.7472569	1.1341617	1.1930429	1.0142102		
DM13238P3	0.7474939	-1.024136	1.015571	-1.3359237		
DM12571P1	0.74749696	1.2551936	1.3715719	1.1117363		
DM06581P1	0.747831	1.0611702	-1.3235707	1.0585548		
DM08369P3	0.7479624	-1.0654147	-1.2650189	-1.1290411		
DM01400P2	0.7480936	1.0153059	-1.03056	1.0787523		
DM04660P1	0.7484492	-1.195793	-1.1799142	-1.0557178		
DM00093P1	0.74852824	1.0335287	1.0724996	1.1019828	DOA	NM_001043299.3
DM07408P1	0.74857336	-1.029212	-1.1867553	-1.1019833		
DM13694P1	0.74861336	-1.1484015	1.0001225	1.0666736		
DM07079P1	0.74872404	-1.1995213	-1.0202876	-1.1950843		
DM14871P1	0.7487458	-1.0324639	-1.1368444	1.0358405		
DM00453P3	0.74876505	1.0185556	-1.0546165	-1.0343732	BRAFLDRAFT	XM_002605962.1
DM03817P2	0.7488005	-1.2511779	-1.1222625	1.0488278		
DM10309P3	0.74884284	1.5485067	1.6279062	1.4922014		
DM02158P1	0.74890894	-1.0879239	-1.0406793	-1.3775761		
DM14880P1	0.74891984	-1.1323781	-1.1468534	-1.4154811		
DM01542P3	0.7490204	1.1335402	-1.0344694	1.2213764		
DM12811P1	0.7491795	-1.016377	1.0861177	-1.0057844		
DM04289P1	0.749241	1.0650682	1.1897749	1.1509502		
DM05077P2	0.7493664	1.0525112	1.1494672	1.0328908		
DM10605P3	0.7495627	1.0193998	1.1421088	1.0871454		
DM05979P2	0.7496668	-1.0311444	-1.2103264	1.0877517	PDP1	XM_391997.3
DM06140P2	0.7498046	1.078931	-1.0418179	-1.0998737		
DM09672P1	0.7498107	-1.1725261	-1.2690787	-1.0504193		
DM04972P1	0.7499503	-1.0033784	-1.1901009	-1.1169113		
DM08987P3	0.7500075	-1.0446357	-1.0903026	-1.0329354		

DM13555P2	0.7501418	1.1347823	1.4168919	1.0093062	
DM08227P2	0.7502543	1.1165891	1.0244111	1.1092162	
DM02838P3	0.75029457	1.0646516	-1.0327779	-1.0996311	LOC1001680` XM_001951846.1
DM05921P2	0.7506738	-1.0955701	-1.0073409	-1.056669	
DM07460P2	0.75075895	-1.0771965	1.031957	1.0274303	
DM10612P3	0.7508405	-1.0578789	-1.1529155	-1.2917509	
DM15226P3	0.7509117	-1.2136185	-1.0632234	-1.056497	DWIL\GK117: XM_002069775.1
DM03987P2	0.7510204	1.0967621	1.1314429	1.0247613	RAB2B NM_001005636.1
DM03228P3	0.75118303	1.0366689	1.0111884	1.1032431	
DM10260P3	0.75140244	-1.0247245	1.0687454	1.0121028	
DM07055P4	0.75147235	1.0367867	1.0351106	1.1242743	
DM13001P1	0.75149643	-1.0888851	-1.2346287	-1.2307267	
DM05917P4	0.75150126	-1.052318	-1.0137062	-1.0543747	TRIADDRAFT_ XM_002112462.1
DM02284P3	0.7515428	-1.1729925	-1.0332304	-1.1881766	LOC1002235{ XM_002198572.1
DM01656P1	0.75155115	-1.0240126	-1.0637523	1.0065268	RPL26 XM_001845651.1
DM10361P3	0.75191146	-1.1113714	-1.0956702	-1.039437	
DM01185P2	0.75199074	1.0288315	-1.0286493	1.0455269	
DM11812P3	0.7520883	1.2740284	1.532141	1.0799425	
DM05261P3	0.7521572	1.0077116	-1.0739316	-1.0533407	
DM04225P3	0.7521851	-1.1342555	1.1080017	-1.3008301	
DM10378P1	0.7521861	1.0169523	1.0721402	1.0688981	
DM05419P3	0.7523275	-1.0893619	1.0409185	-1.1011996	
DM04675P2	0.7523559	-1.0510685	-1.0319824	-1.1104748	
DM03280P1	0.7525872	1.004938	-1.0781683	-1.0777268	
DM02170P4	0.7527869	-1.2154393	-1.0987084	-1.0533336	LOC1001162! XM_001600744.1
DM02044P4	0.752814	-1.0530816	1.1509304	1.3824363	
DM04561P4	0.7528186	1.0585338	-1.068633	1.2685455	
DM09425P2	0.7528239	1.0630738	1.0684501	-1.00531	
DM07025P4	0.752963	-1.1427721	-1.1610417	-1.0222801	
DM08900P3	0.753207	-1.0261664	-1.2279094	1.0113527	
DM13623P1	0.75329703	-1.1542237	1.1195804	-1.0052996	
DM06063P3	0.753446	1.0261011	1.2830766	1.3375129	AAEL_AAEL01 XM_001648682.1
DM01093P3	0.7534714	1.2103487	1.0821985	1.1392972	LOC583677 XM_001193581.1
DM14179P3	0.7536328	-1.1025599	-1.2749265	-1.0023484	
DM01577P1	0.75366294	-1.0157288	-1.0231984	-1.0145735	LOC1002046` XR_053596.1
DM03933P3	0.7538984	-1.0384002	1.0905211	1.0996883	
DM14098P2	0.7539128	-1.0588313	1.0145354	-1.0476202	
DM09584P2	0.7539265	1.0336783	-1.0672562	-1.1114466	
DM03331P2	0.7539592	1.1614653	1.0035524	-1.1570163	NEMVEDRAFT XM_001634388.1
DM03338P3	0.75401723	-1.1136923	-1.0642259	-1.194778	ATPALPHA XM_623069.2
DM01648P1	0.75441533	-1.0527446	-1.1557136	-1.1490418	DMOJ\GI1669 XM_002011926.1
DM04811P3	0.75441533	1.0140138	1.1024917	-1.0368059	
DM05038P3	0.7547464	-1.0316646	-1.1001348	-1.1357706	
DM04869P2	0.7548148	-1.0470594	-1.2760094	1.0357964	
DM07062P3	0.75490475	1.0534303	1.0331854	-1.2688249	
DM06935P2	0.75490654	-1.0147511	-1.0507858	1.1145246	
DM09087P2	0.7549691	-1.0986829	1.0190493	-1.0678536	
DM13863P3	0.75524765	-1.0761693	1.0758122	-1.0780218	
DM13017P3	0.75532246	1.0903453	-1.0028507	1.0390369	
DM00958P1	0.75545347	1.0612622	-1.214504	1.0197698	LOC662234 XM_968346.1

DM10279P1	0.75557995	1.0475109	-1.0373398	1.0712541		
DM10865P1	0.7557072	-1.1885281	-1.0940193	1.0798534		
DM09163P3	0.7557204	1.0632267	1.0205212	1.1785489		
DM03752P3	0.7559155	1.1029476	1.0435481	1.266713		
DM09014P1	0.7559442	1.09679	1.0137943	-1.0010005		
DM03539P2	0.7559586	1.0408111	-1.0731044	-1.0749822		
DM06282P4	0.7559774	1.0453708	-1.082025	-1.0479649		
DM03761P2	0.75613326	1.0173669	-1.0236076	1.0496597	LOC587548	XR_025944.1
DM07180P3	0.7564481	-1.2512547	-1.1287982	-1.096204		
DM05779P2	0.7564552	-1.0053715	1.0943447	-1.0026368		
DM14008P3	0.75649977	1.1739811	1.370721	1.1025499		
DM12482P2	0.75663716	-1.0250721	-1.0142746	1.0985242		
DM01713P4	0.7568884	1.021594	-1.0429322	-1.0106744	LOC1001629	XM_001942706.1
DM12359P2	0.7569188	1.0002668	-1.0318762	1.049962		
DM09925P3	0.7570927	-1.1963819	-1.0718548	-1.2540095		
DM12148P1	0.75728506	1.1020758	-1.1311538	1.0168016		
DM03460P2	0.7573317	-1.1639876	-1.130832	-1.0294325		
DM06176P4	0.7574301	1.0231607	1.1878209	1.1563911		
DM08753P1	0.75747645	1.0370044	-1.03635	1.1005293		
DM13145P1	0.7576299	-1.0983528	-1.2150477	-1.2330568		
DM04997P3	0.7579655	-1.0317672	-1.218718	-1.1029514		
DM11548P4	0.7580066	1.0587231	-1.1090859	1.0164521		
DM03707P1	0.7582362	1.0872476	1.2218503	1.1969607	LOC1001761	XM_002130235.1
DM13893P1	0.75823903	-1.0752951	1.0206835	1.0420526		
DM09627P3	0.75839365	-1.1080676	1.002669	-1.0378699		
DM12608P1	0.7585554	-1.0217646	1.0105299	-1.0214666		
DM11705P4	0.75872195	1.0275596	1.0704594	1.1478367		
DM11711P3	0.75878227	1.155901	1.2630123	1.0956508		
DM04836P2	0.7589453	1.0328635	1.0119859	1.0327582	RPL12	XM_001865496.1
DM00586P1	0.7590112	-1.0135975	1.0138866	1.0338129	NADSYN1	NM_001099253.1
DM03002P1	0.7590165	-1.0371753	-1.0700155	-1.1638294		
DM09348P1	0.75902975	1.1004223	1.0324594	-1.4389701		
DM06702P2	0.759371	-1.128204	-1.0885906	-1.0816742		
DM09960P1	0.7594009	1.0603522	-1.0461662	1.0219693		
DM01225P3	0.75945234	-1.0654976	-1.1121763	1.0054048	LOC1001770	XM_002129947.1
DM02708P2	0.75946146	1.0162545	-1.0308654	1.0258957	DVIR\GJ1032	XM_002056224.1
DM06470P1	0.7596331	1.0084586	-1.0284077	-1.0497993		
DM08996P3	0.75964326	-1.0822277	-1.2759181	-1.0704125		
DM14720P3	0.7598575	-1.1374713	1.0753739	-1.0093513		
DM00910P1	0.75992393	1.1631634	1.0967077	1.2202501	AAEL_AAELOC	XM_001650836.1
DM00832P2	0.7599371	1.0330772	1.0223356	1.0946127		
DM02019P2	0.7599845	1.1103549	-1.137369	1.1315348	LOC1001849	XM_002129124.1
DM02025P3	0.76000124	-1.160546	-1.1595676	-1.0339148		
DM07340P2	0.76012164	-1.0041697	1.131724	1.1181834		
DM10698P1	0.7601711	1.0291913	-1.0711805	1.0451832		
DM07106P1	0.7602178	-1.0402851	-1.0042696	-1.0133001		
DM02280P2	0.76029456	-1.1006494	-1.0289237	-1.007899	BRAFLDRAFT	XM_002613168.1
DM07867P2	0.7603841	-1.0187955	1.0175323	1.0934284		
DM02945P3	0.7603914	-1.0305709	1.0224552	-1.0519377	LOC474929	XM_532163.2
DM11621P3	0.76059353	1.0039531	-1.021445	-1.0297884		

DM13723P2	0.7606726	1.1223062	-1.014329	-1.0607904		
DM01580P1	0.7608557	-1.0221658	1.0039387	1.0014504	DSEC\GM133 XM_002042311.1	
DM01693P3	0.76090103	-1.0373075	-1.0868021	-1.07603	LOC657158 XM_961518.2	
DM05072P3	0.7609429	-1.1339616	-1.1398963	-1.0482833		
DM13859P2	0.760953	-1.1834269	-1.0080959	-1.0410968		
DM09867P1	0.76104814	1.0348538	1.0016066	1.0867432	EHI_023490 XM_650530.1	
DM13177P2	0.7611206	-1.0617064	-1.0395544	1.0902649		
DM05818P1	0.7612312	-1.0823964	-1.0198853	-1.0056261		
DM10523P1	0.7612573	1.0203469	-1.004445	-1.0592332		
DM00973P2	0.76127	-1.087411	-1.0968996	-1.3068857		
DM05080P3	0.761451	-1.0777248	-1.1048768	-1.0204029		
DM14486P2	0.7614566	1.0141535	1.284836	1.192784		
DM02572P2	0.76151973	1.0048848	1.1057118	1.0861472	GOT1	NM_001135449.2
DM02927P1	0.7619675	-1.0228024	1.0436121	1.2445765		
DM06971P2	0.76201314	1.1089183	1.1118354	1.2469685		
DM11852P1	0.7620398	1.188482	1.2127031	1.0907506		
DM06628P3	0.76231766	-1.1700821	-1.2930166	1.0811828		
DM06039P1	0.7625872	-1.0120776	1.1471423	1.0608116	LOC662042 XM_968166.1	
DM04603P2	0.76260036	-1.0004389	-1.0053341	-1.1260257	ZGC:101016 NM_001004001.1	
DM13688P1	0.762789	-1.0796394	-1.1063803	1.0125161	DERE\GG156 XM_001972555.1	
DM12793P3	0.7628745	-1.0914812	-1.043937	1.0135084		
DM04620P2	0.7629343	-1.0594016	-1.1025507	-1.1087029		
DM08598P3	0.7629485	1.0052867	-1.0033445	-1.0963053		
DM06089P2	0.7629635	-1.0942843	1.012622	1.058858		
DM06416P1	0.7630961	-1.0191697	1.2528352	-1.1544594	DSEC\GM138 XM_002035500.1	
DM14180P2	0.7631177	-1.0431119	-1.372601	1.3666694		
DM14835P2	0.76317674	1.0607209	-1.139259	-1.1036856		
DM02791P3	0.7634019	1.301079	1.0388288	1.0765445	NCKAP1	XM_624328.2
DM10964P1	0.7635297	-1.0623914	-1.0282434	-1.0635996		
DM11579P1	0.76357156	1.027869	1.0716203	1.0218391		
DM09072P1	0.7635809	-1.0243897	1.0212907	1.0673139		
DM07579P1	0.763743	-1.0795488	-1.0415062	1.1336583		
DM13883P1	0.7637597	1.0787488	-1.2151333	-1.0023305		
DM07646P1	0.763781	1.0957587	1.0980227	1.18548		
DM05311P1	0.7640465	-1.0752795	-1.0910326	-1.1055025		
DM12431P1	0.7641725	1.0272266	-1.2885841	-1.1567487		
DM10331P2	0.7642187	-1.0478984	-1.0680367	-1.1991282		
DM00779P2	0.7643069	-1.1252142	1.1137494	-1.1653048	NEMVEDRAFT XM_001631896.1	
DM05468P1	0.76440936	-1.0298212	-1.0107511	-1.1030084	AGAP_AGAP0 XM_320365.2	
DM01466P3	0.7644979	1.1508199	1.0289494	-1.0357878	BRAFLDRAFT XM_002597178.1	
DM06888P2	0.76457065	1.1526687	1.1111057	-1.0535778		
DM04178P3	0.76471317	1.0970991	1.1077693	-1.0243134		
DM11624P1	0.7648909	-1.0455129	-1.0771098	-1.0790942	DSIM\GD251 XM_002082605.1	
DM00487P1	0.7649221	-1.0588754	1.0911658	-1.0473181	ADRBK	XM_001652241.1
DM04488P3	0.7649332	1.2171743	1.2623739	1.0606912		
DM13387P2	0.76529664	1.0397921	-1.1151129	-1.022951		
DM12956P1	0.7653377	-1.094834	-1.0784941	1.0718498		
DM08506P4	0.7654123	-1.0135833	-1.2968073	-1.05778		
DM07535P2	0.7655406	1.0041375	-1.0231212	-1.1411006		
DM13081P1	0.76571405	1.1320821	-1.0810707	1.0106945		

DM09875P1	0.7657957	1.0408845	-1.1104269	-1.100233	
DM14967P2	0.7658327	-1.0308149	1.1552933	-1.069384	
DM08793P1	0.76603276	1.0909079	1.101773	-1.0509294	
DM13477P1	0.76604825	-1.0528789	1.0109868	1.1200008	
DM05760P1	0.7661307	1.0127264	1.0389857	-1.0885742	
DM08805P2	0.7664299	-1.0187386	-1.0879664	-1.1245875	
DM09771P2	0.7664304	-1.0016658	-1.1087753	1.0477337	
DM04081P1	0.76643926	1.032695	-1.2762306	1.066819	
DM02963P1	0.76647455	-1.0193219	-1.2780297	-1.0758243	DSIM\GD183 XM_002104568.1
DM01731P4	0.76647985	1.0252721	-1.0553758	1.0910959	
DM06585P3	0.7667111	1.1857798	1.0922852	1.2020159	
DM13994P1	0.7669637	1.0902202	-1.0354105	1.0014453	
DM09061P2	0.7669939	-1.0207824	-1.3159986	1.065907	
DM07168P2	0.76705045	-1.0480227	-1.0279815	-1.0085937	
DM09270P1	0.76713234	1.1551092	1.2015339	1.2009312	
DM05750P1	0.76738846	-1.1362574	1.0393722	-1.1242487	
DM07039P3	0.7678183	1.0613941	1.0045706	-1.0237533	
DM09965P1	0.76788014	1.1349043	1.0107708	1.0475788	
DM04010P3	0.76806706	1.1490574	-1.0528717	-1.1008501	
DM14552P3	0.76824737	1.1249405	1.0862231	1.2526246	
DM10045P1	0.768455	-1.4497583	1.0952598	-1.1851074	
DM02509P1	0.7685603	-1.1173433	-1.6039908	-1.0706642	
DM08593P1	0.768611	-1.1347244	-1.0721152	-1.0622733	
DM03700P4	0.76887476	-1.0705899	-1.0430045	1.0802538	DERE\GG145 XM_001971276.1
DM05932P3	0.7689145	-1.0326498	-1.0538355	-1.0324188	NEMVEDRAFT XM_001637618.1
DM09442P1	0.7692435	-1.0178362	1.1127416	-1.2447782	
DM14587P2	0.7693571	-1.0817329	-1.1627719	-1.124111	
DM04328P2	0.7694235	1.1591518	1.0869734	-1.0495768	
DM08976P3	0.7695668	1.1096311	-1.1707537	-1.2707026	
DM09402P2	0.7696193	1.0525181	1.0658368	-1.0196059	LOC1002054(XM_002170163.1
DM12624P3	0.7697859	1.0830573	1.617116	1.1711956	
DM08041P1	0.77012163	1.0400026	1.1688552	1.1975058	
DM14634P1	0.7701411	1.1651046	1.1070899	1.043608	
DM03709P4	0.77016574	1.0722739	-1.0424591	-1.0566145	AATS-VAL XM_002090911.1
DM08998P1	0.77025753	1.0010322	-1.0067849	-1.0496126	
DM10191P1	0.7703197	-1.0633503	1.0118663	1.0154836	LOC658988 XM_965329.2
DM12063P1	0.7704287	1.1053959	1.1722811	1.0241952	
DM04453P2	0.77052027	-1.0854677	-1.0784407	1.1276146	
DM10240P3	0.77059406	-1.1169734	-1.0067008	-1.0905926	
DM06199P2	0.7707533	1.1336322	1.0621936	1.035753	LOC1001801 XM_002126252.1
DM10020P3	0.7708887	1.0864109	1.0331041	1.1255444	
DM03444P3	0.77098256	1.264563	-1.0125227	1.1316803	CG18549 NM_141946.2
DM05797P3	0.7709856	-1.0273178	-1.0275052	-1.0453738	DWIL\GK245 XM_002066555.1
DM05114P2	0.7709856	1.1279831	-1.001973	-1.0938753	
DM02805P2	0.7709975	-1.1065514	-1.0385722	1.0801198	LOC1001175 XM_001601701.1
DM08697P1	0.77138114	-1.0911858	-1.1972965	-1.0064402	
DM04389P1	0.77190024	-1.2539723	-1.1776683	-1.2207403	
DM06248P1	0.77220607	1.0412688	1.0220507	1.0913926	
DM11351P1	0.77236325	1.1072874	-1.1795156	-1.0197337	
DM12451P1	0.77251035	1.1458348	-1.0192916	-1.1104754	LOC724961 XM_001120862.1



DM14854P1	0.7725595	-1.072993	1.0629456	1.0685626	LOC1001150	XM_001607900.1
DM01255P3	0.77273095	1.0218619	-1.0644737	-1.0332057		
DM07774P2	0.77273804	-1.0637871	1.0127261	1.1396694		
DM13797P3	0.7730099	-1.0704595	-1.1546094	-1.1571127		
DM10557P1	0.7730816	1.0253073	-1.021446	-1.0633433		
DM15401P1	0.77314323	-1.101137	1.5123436	1.3014021		
DM11788P2	0.773325	-1.0402813	1.1177728	-1.2128845	MGL_3515	XM_001729428.1
DM09321P3	0.7736547	1.20257	1.1932386	1.2386249		
DM03197P1	0.77373224	-1.049169	1.0427196	-1.0268956	LOC551838	XM_624223.1
DM15145P3	0.7738758	-1.078624	-1.0715362	1.1102878		
DM09958P4	0.7740008	-1.0091553	1.1050363	1.2544441		
DM08179P3	0.7740102	-1.1272959	1.0808024	1.1265775		
DM04571P2	0.77412176	-1.0550075	-1.132911	1.0764877		
DM06033P2	0.7742085	1.023	-1.0774765	1.0411252		
DM13748P1	0.7745264	1.2550036	1.0976462	-1.0239706		
DM05101P2	0.7745721	1.0797645	-1.16003	1.141444		
DM08317P3	0.774583	1.1261046	1.1472409	1.0525094		
DM02502P2	0.77467424	1.0443054	1.0366884	-1.056981		
DM13272P3	0.77508396	-1.103204	-1.220481	-1.1416479		
DM02086P2	0.775087	-1.1028752	-1.0490594	-1.0491214	DMOJ\GI239	XM_001998426.1
DM07322P1	0.77510375	-1.0591791	1.0259937	1.0606247		
DM14281P2	0.77527314	-1.009137	1.0927199	-1.0374129		
DM13376P3	0.77528554	1.0749454	1.0482394	-1.0147508		
DM08964P1	0.7755814	-1.0182183	-1.0399556	-1.0897534		
DM05210P3	0.7757987	-1.108341	-1.1496127	-1.0244782		
DM06490P2	0.77585447	1.0079104	-1.3327912	1.0212635		
DM02310P3	0.7759189	-1.0296899	-1.0375191	1.0097944	BRAFLDRAFT	XM_002611682.1
DM09817P4	0.77605754	-1.0367823	1.24669	1.0272768	LOC1001134	XM_001599018.1
DM08341P1	0.77626216	-1.0685555	1.0203568	1.0369319		
DM06305P3	0.77632326	1.2026613	1.3436917	1.0634866		
DM03439P3	0.7764404	1.0432158	1.0183009	1.0551982	LOC1000144	XM_001368681.1
DM03965P3	0.7764569	1.2809724	1.5124558	1.1206304		
DM15029P1	0.7764848	1.1272426	-1.0132776	1.1162909		
DM08643P1	0.7765208	-1.2015169	-1.2858928	-1.3311967		
DM02523P3	0.7765446	-1.3265498	-1.1783721	-1.2560381	ACE	NM_001033015.2
DM04168P2	0.7767385	-1.154685	-1.0248479	1.0851171		
DM01123P1	0.77673984	1.073223	-1.0415221	1.0127344	MYO1D	NM_001075838.1
DM09630P1	0.77680063	1.0023894	1.0624025	-1.0312378		
DM07309P1	0.77686656	-1.0356364	-1.2233808	1.107032		
DM04202P1	0.77702606	-1.0724537	1.0439881	-1.0415797		
DM10894P3	0.77711505	1.2793031	1.1498067	1.1826236		
DM01415P1	0.7772007	1.0611538	1.06396	1.1018449	CLK2	NM_001031326.1
DM10485P1	0.7772869	1.0704173	-1.0470177	-1.3167449		
DM03181P3	0.77733356	-1.1149094	-1.1211271	-1.0382615		
DM02407P4	0.77734494	1.2029936	1.1217709	1.1547755		
DM13933P1	0.7775323	1.1506033	-1.1251881	-1.0036993		
DM04638P4	0.77754194	1.020875	1.0924093	1.119283		
DM10009P3	0.7777298	-1.2997311	-1.0890762	-1.0432919		
DM05902P4	0.77828723	-1.181342	1.019826	-1.0902154		
DM07629P2	0.77844566	1.0977	1.1493677	1.050886		

DM10235P1	0.77855724	-1.058281	-1.1170862	-1.0399946	
DM07619P3	0.77856636	-1.055974	-1.0153606	-1.1010001	
DM02078P4	0.7787004	-1.0574735	-1.0404515	1.0193994	LOC656010 XM_962566.2
DM02747P2	0.7787788	1.1007382	1.140242	-1.0397723	
DM09829P1	0.7788989	1.2717466	1.127658	-1.0174658	
DM13677P1	0.77890575	-1.1462892	-1.1117123	-1.0108378	
DM13775P1	0.77915573	1.0897722	1.0222595	-1.0697595	
DM07882P2	0.77920765	1.1007227	1.1357481	1.1756594	NEMVEDRAFT XM_001627187.1
DM15120P3	0.7792802	1.1231629	1.0260911	1.0250323	
DM09444P1	0.77930045	1.0632823	-1.1695461	-1.1315095	
DM09255P3	0.7793978	1.1443937	1.1155618	-1.0655769	
DM07976P4	0.7797184	1.1010593	1.0093293	1.3515545	
DM08838P1	0.7799835	1.0457759	-1.1158127	1.0194757	
DM09284P2	0.78091574	-1.0682559	1.0379648	-1.2695451	
DM00877P1	0.7809733	1.0083488	-1.0290896	1.044258	LOC1002323 XM_002197276.1
DM00181P2	0.7813096	-1.0191165	1.036033	1.0294749	ISCW_ISCWC XM_002408890.1
DM02357P1	0.781876	1.0839807	1.0650258	1.0763773	NDUFV1 XM_533212.2
DM02012P1	0.78188664	-1.0442305	-1.0328476	1.021526	
DM07226P1	0.78189427	1.0569501	1.1432563	1.1915362	
DM09523P4	0.78219885	-1.0977545	-1.0174413	-1.1078027	
DM09899P4	0.7823669	1.0025648	1.1498652	1.1641929	
DM09326P1	0.7826497	1.464075	1.3308932	1.4894898	
DM09931P2	0.7826715	1.088049	1.3538433	1.0216422	
DM09810P3	0.78281236	1.1312072	-1.0220566	1.1009496	
DM06468P1	0.7829277	1.1282619	1.2726679	1.2479426	
DM03159P3	0.7830184	1.178117	-1.0068126	-1.0132948	DWIL\GK247\ XM_002066926.1
DM00786P1	0.7833711	-1.0657262	1.0118877	-1.0264899	
DM13666P1	0.7833757	1.2554348	-1.0418786	1.1711248	
DM04331P2	0.7834641	1.0300274	-1.0148361	-1.0216835	
DM00472P2	0.7834889	-1.0267351	-1.0673065	-1.0975701	LOC1001168\ XM_001607793.1
DM08859P3	0.78352594	1.0529557	-1.1178375	-1.0000875	
DM03820P1	0.783529	1.0676646	1.0226939	1.1726103	LOC1001681\ XM_001950711.1
DM00615P3	0.7835317	-1.0367306	1.1051604	1.0056169	TRIADDRAFT XM_002117600.1
DM14804P1	0.7836075	-1.1693423	-1.2937868	-1.1046184	
DM11083P2	0.78362954	-1.0884796	-1.0958573	-1.0691662	
DM00977P1	0.7836625	-1.0462244	-1.0767537	1.046107	
DM03521P2	0.7837707	-1.3937924	-1.1641879	-1.2958522	
DM14418P3	0.78393435	-1.2168705	-1.2627857	-1.2299846	
DM11094P3	0.7844213	1.0247494	-1.1545062	1.0725223	
DM08388P1	0.7844768	-1.0865834	1.056165	-1.1036581	
DM09128P1	0.7845556	-1.0150458	-1.1160693	-1.0827689	
DM12710P1	0.7846019	-1.0430132	-1.0665942	-1.1231458	
DM09999P2	0.78486264	1.0052117	-1.2011186	-1.0443741	
DM13260P2	0.78489256	1.1356276	1.0782249	-1.0265878	
DM14605P1	0.7850217	-1.1695307	-1.2029654	-1.2002997	
DM13239P3	0.785291	-1.1127132	1.106127	-1.1354016	
DM12606P1	0.78529584	1.1211511	1.0947521	1.0509306	
DM11502P1	0.78533155	-1.0590559	-1.1834332	1.156369	
DM06955P2	0.7854192	1.1257827	1.1571478	1.2333685	DANA\GF235 XM_001958394.1
DM04744P1	0.7856543	1.0051416	-1.0484599	-1.1161289	

DM06146P2	0.7856837	-1.0621994	1.0365007	1.0819415		
DM09094P2	0.78572065	1.1152606	-1.0477061	1.1639861		
DM09738P3	0.786145	1.0788909	-1.0819596	1.0417087		
DM06377P1	0.78615004	-1.0699183	-1.0735956	1.0039867		
DM11128P2	0.78625107	-1.0200018	-1.0676551	-1.2242748		
DM15135P1	0.7863945	1.1057078	1.0081385	1.131577		
DM00401P1	0.7864104	1.0141541	1.0179151	1.1226774	SF4	NM_001011920.1
DM14484P3	0.78644663	-1.1444244	-1.0976568	-1.0253319		
DM06816P3	0.7864502	-1.3253647	-1.0601548	-1.0523862		
DM02149P1	0.7864651	-1.0640105	-1.143923	-1.0355352	BRAFLDRAFT	XM_002605928.1
DM13232P3	0.7866287	1.1437907	1.2917858	1.3141531		
DM02929P1	0.78668475	-1.0815613	1.0375801	1.1981052	SULT	XM_001651869.1
DM01240P1	0.78683317	-1.0261883	1.0521439	1.1032743	BRAFLDRAFT	XM_002589038.1
DM04532P3	0.78683895	1.1494149	-1.0307605	-1.0891694		
DM03107P2	0.78688204	-1.0293779	1.2589395	1.0001973		
DM04467P2	0.7869208	-1.0320917	-1.1547269	-1.0123572	LOC1000850	XM_001515383.1
DM13768P4	0.7870915	-1.0962572	-1.0147707	-1.0555665		
DM13598P2	0.7873726	-1.089024	1.1349283	1.0569257		
DM03652P1	0.7873736	-1.0032345	-1.2131596	1.0445962		
DM09843P3	0.78747946	1.0769036	-1.0046469	-1.0382026		
DM02883P3	0.78758204	1.0063276	-1.0649078	-1.0621724		
DM10306P1	0.7877211	-1.1111102	-1.2275943	-1.0104777		
DM08356P2	0.78774995	-1.0797558	1.0452179	-1.046409		
DM00057P3	0.7877505	1.0210742	1.097688	1.0068933	DVIR\GJ1421	XM_002051026.1
DM09730P2	0.78777176	-1.0079623	1.1101706	1.0526323		
DM00944P3	0.7879781	1.28189	1.0892203	1.0640196		
DM13558P1	0.7883562	-1.0652738	1.0540506	1.0526477	DMOJ\GI1647	XM_002011306.1
DM10445P3	0.78846127	1.0031493	-1.0482093	1.1280501		
DM12926P1	0.78846586	1.3348925	1.223757	1.2785687		
DM10720P2	0.78851116	1.1807938	1.1696049	1.1092421		
DM13660P3	0.788518	-1.0050768	-1.0565511	1.0901824		
DM13370P1	0.78859425	1.0771838	-1.091589	1.0245886		
DM03109P4	0.7886705	1.1406453	-1.0480795	1.1070044		
DM04104P2	0.7887188	-1.063511	-1.0744101	-1.0379627		
DM04859P3	0.7889209	1.0936085	1.0414597	1.0887877		
DM06036P1	0.78908193	-1.1184924	-1.1236053	-1.0985094		
DM13186P1	0.78921586	1.0758903	-1.3912252	-1.0220282		
DM11289P1	0.78933537	-1.0489572	-1.0803416	1.0613234	PRPF40A	NM_017892.3
DM12265P1	0.7895455	-1.02476	1.0540258	1.1044501		
DM05123P1	0.7895754	1.1355041	-1.1149102	1.2063869		
DM11889P2	0.78968984	-1.0217763	1.0140706	-1.0441844		
DM10718P2	0.78975713	-1.1311907	-1.1690491	-1.2127419		
DM14584P3	0.7897764	1.0324335	-1.1393954	1.0550615		
DM14630P3	0.790465	-1.0193549	-1.1363963	1.1321102		
DM04133P1	0.7905333	-1.0370868	1.1162897	1.2425346	LOC1000278	XM_001378019.1
DM15206P2	0.79090166	1.0823513	-1.0020121	1.07507		
DM01231P3	0.79098773	-1.0731671	1.0562122	1.1639199	SI	XM_545265.2
DM00822P3	0.7913183	-1.091178	-1.1077852	-1.0546558	LOC1000844	XM_001514612.1
DM10944P1	0.7915	1.0354428	1.0985185	1.0765505		
DM01626P2	0.7915094	1.0016901	-1.0314232	-1.0326256	TKT	XM_001649091.1

DM05443P2	0.79153824	1.0832424	-1.1092162	-1.1170853		
DM13439P2	0.79168373	-1.0382754	1.1133765	1.0021411		
DM02742P1	0.7919171	-1.0028306	-1.164431	1.0523788	LOC1000314:	XM_001380652.1
DM08099P1	0.7920583	1.0587777	1.1535869	1.0342548		
DM05047P1	0.792094	-1.0234333	-1.0321512	-1.1632818		
DM03392P2	0.7920975	-1.1063342	-1.0426875	-1.0040648		
DM09683P3	0.79221344	1.0633395	-1.0267034	1.1142002		
DM13948P3	0.79223496	1.0091408	-1.1594205	-1.2015435		
DM06339P1	0.79225266	1.0074921	-1.0931343	1.3143224		
DM03907P1	0.7923607	1.0548022	-1.0688173	-1.1011069		
DM06363P1	0.79240626	-1.0016339	1.0518708	-1.0794454	NOLC1	NM_022869.1
DM14722P1	0.7924278	-1.065092	-1.0991595	1.0690756		
DM07049P2	0.792428	-1.3418487	-1.0971082	-1.1297003		
DM04195P1	0.7925887	1.0151964	1.2797202	1.1441594	HECTD2	XM_423375.2
DM05148P1	0.7926171	1.127274	1.1389898	1.2475847		
DM15311P1	0.7927307	-1.1072148	-1.0808784	-1.1637328		
DM07700P1	0.7929764	-1.211669	-1.4141641	-1.2072942		
DM07454P4	0.7929918	1.2377776	1.1613147	-1.0300902		
DM07798P1	0.7930237	-1.0393103	-1.111456	1.0234164		
DM10034P3	0.79321146	-1.0407903	1.1323208	-1.0379878		
DM02817P2	0.7932603	1.3934774	-1.4083996	-1.3091674	BRAFLDRAFT	XM_002612931.1
DM04090P4	0.7933954	-1.1149936	-1.0534124	-1.0125784		
DM04982P1	0.7934303	-1.226556	-1.1732281	-1.2364792		
DM02463P2	0.7938045	-1.0557873	1.0865796	1.0881668	ANXB10B	XM_310251.5
DM14169P1	0.79381967	-1.071246	-1.2857155	1.197325		
DM12358P1	0.79395986	-1.1360624	1.0662915	1.2231944		
DM07276P3	0.79404634	1.043831	1.0514878	1.0319252		
DM10353P2	0.7944582	1.0549766	1.0213166	1.1346256		
DM14710P3	0.794461	-1.2012553	1.0312383	1.0068403		
DM05435P1	0.7945323	-1.1398717	1.0790083	-1.1601604	CP72	NM_001172257.1
DM04110P2	0.79459125	-1.1645058	-1.0449268	-1.0533041	DWIL\GK208	XM_002061280.1
DM05839P2	0.7948083	1.0627822	-1.0482299	1.0454034	DANA\GF219	XM_001966426.1
DM08446P1	0.79482627	-1.1155015	-1.0716146	-1.0707192	RPL41	NM_001042449.1
DM08235P3	0.79484975	-1.0091577	1.0607319	1.0746373		
DM08970P4	0.794891	-1.1804072	-1.1972185	-1.1558949		
DM05089P3	0.79489326	1.0765047	1.1535403	-1.0609136		
DM08276P1	0.79504555	-1.0442839	-1.0119685	-1.0523727		
DM05267P3	0.79514873	-1.0900826	1.0247142	1.0911387		
DM02274P1	0.7953149	1.1083957	1.4769189	1.0396037	LOC1001657	NM_001134286.1
DM11198P3	0.79540193	-1.2385125	1.0081124	-1.1200124	NACHRA5	NM_001162522.1
DM05640P2	0.79558605	1.1713271	1.0085038	-1.0070534		
DM11773P1	0.795758	-1.0253056	-1.0856056	-1.1075243		
DM13413P1	0.795796	1.0325019	-1.0884544	-1.0508659		
DM11302P2	0.7958205	-1.0714054	-1.050074	-1.1041903		
DM04598P1	0.79610527	1.0510076	1.1805799	1.1706281		
DM02308P2	0.7961303	-1.0045047	1.0954695	1.0737735	DHPR	XM_392684.3
DM08728P4	0.7962608	1.0386912	1.2503875	1.1158651		
DM07266P3	0.79635936	1.1701579	1.1075101	1.1001201		
DM01481P1	0.7963632	1.0861088	1.1361457	1.1074337	DGRI\GH169	XM_001985165.1
DM05906P1	0.79644537	1.0761398	1.0704982	1.0254202	DGRI\GH211	XM_001985933.1

DM00349P2	0.7965422	1.0013167	1.0080378	-1.062566	FUR1	XM_001121308.1
DM00400P3	0.79655254	1.032143	-1.1103811	-1.0239197	LOC1000199	XM_001372623.1
DM01191P2	0.7966115	-1.0990348	-1.2340744	-1.1455048	LOC552114	XM_624494.2
DM01850P1	0.7966954	-1.1279708	-1.1484756	-1.1516681		
DM14232P1	0.7967814	1.0337118	1.05162	-1.034036		
DM04965P2	0.79680896	1.0406471	1.1482407	1.2093248		
DM12882P3	0.7969829	1.0507234	1.0775868	-1.0911694		
DM13257P4	0.7970858	-1.0210351	-1.1102536	-1.1815016		
DM07990P2	0.7970929	-1.1085541	-1.1190569	1.0609454		
DM04407P2	0.7971581	1.0609213	1.1243353	-1.0232146		
DM11659P1	0.79720515	-1.0273935	-1.0619812	-1.1065305		
DM12840P2	0.79724765	1.0164152	-1.0569007	1.2334433		
DM11087P3	0.797284	-1.0077212	-1.1887355	1.0562582		
DM03541P4	0.79743624	-1.2817736	-1.3184997	-1.1458216	LOC1001635	XM_001945413.1
DM14879P3	0.79766095	-1.1349921	-1.040904	1.1609154		
DM01305P3	0.79779875	1.0391995	-1.0506	1.0750352	LOC661732	XM_967878.1
DM04905P2	0.7979304	-1.0249758	-1.1000392	-1.1196601		
DM00329P3	0.7979489	-1.0293393	1.0182707	1.047164	CPIPJ_CPIJ01	XM_001863973.1
DM07399P3	0.7979886	1.4516828	1.2878274	1.1769868		
DM03793P2	0.7981688	-1.1491436	-1.457953	1.0241487	ENPP3	NM_019370.2
DM03561P3	0.7982292	-1.0408746	-1.0515192	-1.0467138	AGAP_AGAP0	XM_314554.2
DM06652P1	0.7982449	-1.0670198	1.0735003	-1.084323		
DM06526P2	0.79865766	1.2334665	1.1546034	1.4097782		
DM10781P1	0.79909587	-1.139352	-1.1542726	-1.2210001		
DM14372P1	0.799315	-1.14434	1.0567611	-1.0696356		
DM03636P1	0.7994074	1.0136095	1.0059782	-1.1824222		
DM00753P2	0.79941326	1.055511	1.086098	-1.0662841	AT5G58420	NM_125228.3
DM00986P4	0.7995138	-1.0708606	-1.0595965	-1.0100511	LOC1001597	XM_001947081.1
DM03059P3	0.7995904	-1.0728751	-1.0725423	1.1063368	BRAFLDRAFT	XM_002612943.1
DM12931P1	0.7999103	1.0932262	1.1859561	1.0660356	BTBD3	NM_001094831.1
DM02562P1	0.7999858	-1.0048932	1.1274586	-1.004143	DERE\GG242	XM_001979324.1
DM04576P3	0.8001445	-1.1293402	-1.0996	-1.0068319	PF14_0123	XM_001348260.1
DM07126P3	0.80020314	1.1850777	1.2554457	1.0599531		
DM12786P2	0.80075157	1.0547664	1.0647086	-1.073431		
DM06368P1	0.8009499	-1.2788914	1.1287929	1.110096		
DM09731P3	0.80104107	-1.0198959	1.0830932	1.1997421		
DM04445P1	0.8011861	1.0457058	1.0510112	1.058248	LOC1001986	XM_002166820.1
DM15108P4	0.80137676	-1.1443547	-1.0907168	-1.0850481		
DM03019P1	0.80151415	1.112739	1.1484611	1.0126475	DMOJ\GI195	XM_002004470.1
DM14238P3	0.80152124	-1.0911295	1.0106815	-1.0405279		
DM09174P3	0.8017589	-1.0656697	-1.0170013	-1.0605779		
DM12831P2	0.80178136	1.2111171	1.3172687	1.3567467		
DM02367P3	0.80199474	1.0149285	1.0063075	1.1637346		
DM02671P2	0.8021642	1.0123242	-1.0135125	-1.1151352	BRAFLDRAFT	XM_002596679.1
DM06584P2	0.802168	1.1491675	1.0482259	1.210159		
DM11804P3	0.8022372	-1.0343664	1.0517926	1.0368205		
DM12361P3	0.80227304	-1.075886	-1.1137942	-1.0247965		
DM00607P3	0.8024602	1.0024761	-1.0168381	-1.0814991	AGAP_AGAP0	XM_317149.4
DM02569P3	0.8025894	-1.0611768	1.0437572	-1.0170081	LOC758022	XM_001180085.1
DM12843P4	0.8029952	-1.0708869	-1.0859543	-1.1128376		

DM15184P1	0.8030404	-1.0329076	1.1857764	1.0042052	
DM15123P2	0.80323553	1.1363364	-1.133665	1.0371488	
DM10028P1	0.8032373	1.0314151	1.1481005	1.2039015	
DM00659P4	0.8032507	1.0623167	1.0993171	-1.0083152	
DM14827P2	0.8033209	1.0837356	-1.0769929	-1.0113297	
DM05162P4	0.8034607	1.0703366	1.0600787	-1.0758332	
DM10431P3	0.803569	1.166389	-1.1056435	-1.1518272	
DM11095P1	0.80372703	1.1503298	1.1523079	1.0623109	
DM11612P3	0.803752	-1.1098032	-1.0626471	1.0047603	
DM00366P2	0.8038098	1.0791124	1.0000904	1.1024517	LOC1001601:XM_001952568.1
DM12925P4	0.80406904	-1.0010631	1.131708	-1.0312836	
DM03592P2	0.8040748	1.0098937	1.0353453	1.0418946	ISCW_ISCWC XM_002401289.1
DM12994P2	0.8042066	-1.0366062	1.0321914	-1.0194393	
DM05269P2	0.8042886	1.2346597	1.0730046	1.0328196	
DM02808P3	0.80429244	-1.0770327	-1.0197501	1.0510495	NEMVEDRAFT XM_001617996.1
DM14099P2	0.8043593	-1.0465972	1.2392566	-1.0440848	
DM02058P1	0.804596	1.1284854	-1.0966662	1.0707949	
DM05178P2	0.8047371	-1.2498538	-1.1706898	-1.203391	
DM14907P2	0.80496013	1.0283256	1.1084607	1.0574061	
DM11592P4	0.8049617	1.200392	1.0499938	1.0024488	
DM12117P3	0.8050028	-1.1373044	-1.0821546	-1.0152256	
DM13922P3	0.8051161	1.1354663	-1.0692874	1.045808	
DM04789P3	0.80522937	1.1114563	1.0536505	-1.0122162	
DM14850P2	0.8052675	-1.0183738	1.0550809	-1.018587	LOC1001201(XM_001606378.1
DM15154P4	0.80534494	1.001614	1.0450336	-1.0324858	
DM06252P1	0.8056656	-1.073838	1.212103	1.0014081	ISCW_ISCWC XM_002410968.1
DM10857P3	0.80571306	1.0278684	1.0456941	1.071656	
DM10915P1	0.8059169	1.0934305	1.3381138	-1.034961	
DM12759P2	0.80592823	-1.0368096	-1.3018844	-1.0522411	
DM05923P2	0.80615604	1.0076572	-1.0252047	-1.0598216	BRAFLDRAFT_XM_002607050.1
DM04181P1	0.806324	-1.150351	-1.4225656	-1.1301208	CPR127 XM_310772.4
DM10916P4	0.80641586	-1.1545767	1.0166324	-1.1114914	
DM13234P1	0.8065122	1.0527743	-1.0127228	-1.0160007	
DM03249P1	0.80661607	-1.0238233	-1.0544564	-1.0086782	
DM00879P2	0.8068083	1.0376911	1.0422364	1.0448198	LOC733058 NM_001044149.1
DM06150P3	0.8069944	-1.238244	-1.0936799	1.2627716	
DM06185P2	0.80701935	-1.0653249	-1.0205214	-1.0393842	LOC654934 XM_961375.1
DM09207P1	0.8070809	-1.0513443	1.0151848	1.0175323	
DM01585P2	0.8072713	1.0358902	1.0738673	1.041049	LOC1001648'XM_001948676.1
DM01537P4	0.80729324	-1.0149707	-1.2293743	-1.0941675	DPSE\GA208'XM_001360658.2
DM14108P1	0.8073487	1.0724051	1.0689626	1.0212691	
DM05229P3	0.8073492	-1.1510844	1.0393803	-1.182147	
DM04707P2	0.8076059	-1.0162616	1.2236453	1.0839856	
DM06428P3	0.8076755	1.0146551	-1.0352017	1.1245834	
DM11167P2	0.80776376	1.0131515	1.0749277	-1.0468537	
DM06886P3	0.8078341	-1.2430606	-1.0751941	-1.0273935	
DM07008P1	0.8081588	-1.1113267	-1.0628275	-1.427103	
DM15243P1	0.80818045	-1.038468	-1.0963722	-1.0419205	
DM10094P1	0.8081971	1.0929837	1.0600652	-1.086145	
DM12404P1	0.80835116	-1.129377	-1.0523847	-1.3152186	

DM08426P3	0.80837053	-1.1036825	-1.2117691	1.0978628	KRT5	NM_001006715.1
DM09303P2	0.8085079	1.1312907	1.1954461	1.1380824		
DM07208P1	0.80857575	-1.0537411	-1.1242337	-1.0403451		
DM00545P1	0.808673	1.0295372	1.0954984	-1.0077052	LDLR	NM_001146722.1
DM01438P1	0.80876577	-1.1506412	-1.1762404	-1.0403591	DPER\GL130	XM_002022438.1
DM03734P1	0.80885905	1.1040944	1.131239	1.0538001	AGL	XM_422317.2
DM13742P1	0.8089785	-1.0448183	-1.320827	-1.0075867		
DM14782P1	0.80936307	-1.1053438	-1.2204139	1.0326473	LOC1000711	XM_001918189.1
DM13907P2	0.80949765	-1.167949	-1.380099	-1.2332354		
DM12746P3	0.80971736	1.1352259	1.1790096	1.1869726		
DM11240P1	0.809733	-1.0495344	1.0663456	1.0814418		
DM10528P4	0.80998546	-1.0309123	-1.1263064	-1.0304602		
DM12354P4	0.8100545	1.0400945	1.1709383	1.2487365		
DM03401P3	0.8101709	1.0068144	-1.0594074	-1.0310628	STAT92E-LIK	XM_397181.3
DM01019P1	0.81018347	-1.1350081	-1.2987809	-1.2631652	LOC1000842	XM_001514677.1
DM01194P3	0.8101966	1.1430628	-1.0110376	-1.0112965		
DM08102P3	0.81020314	-1.3017819	-1.1140182	-1.250069		
DM12168P3	0.810245	-1.006932	1.0963051	1.172979		
DM05250P2	0.8102543	-1.0853864	-1.0709732	-1.1896595		
DM06052P3	0.81030947	1.0613478	-1.0599786	-1.0026813		
DM06850P1	0.810513	1.0210104	-1.1166524	1.0541277	AGAP_AGAP0	XM_319309.4
DM00201P3	0.81056815	-1.0780933	-1.123275	1.0043217	DANA\GF123	XM_001958757.1
DM02587P2	0.81059587	-1.063768	-1.0614884	-1.085946	DMOJ\GI194	XM_002004727.1
DM11922P3	0.81060195	-1.0138826	1.1396611	-1.017452	SF3B3	NM_001159880.1
DM07560P3	0.8108488	-1.0145245	-1.0647123	1.0559398		
DM13506P3	0.8109198	-1.061921	-1.0345445	1.0181117		
DM06295P3	0.81114525	-1.0473273	-1.0209239	-1.0820588	DYAK\GE104	XM_002088910.1
DM04775P1	0.8111664	1.0133699	-1.0575048	-1.1301684		
DM00719P1	0.8113215	-1.0401435	-1.1030883	-1.0683267	DMOJ\GI124	XM_002007292.1
DM08215P3	0.81138295	-1.0457988	-1.1066694	-1.0713811		
DM11929P1	0.8115794	1.0253063	-1.0630765	-1.099485		
DM04692P2	0.81168866	1.0458667	-1.0663464	-1.0457672		
DM03550P3	0.81179994	1.0543249	1.0248888	1.0018466	LOC727282	XM_001122991.1
DM14986P3	0.8119047	1.0873696	-1.1536629	1.0693053		
DM01460P3	0.8120253	-1.0326315	1.0975816	1.0535249		
DM14960P2	0.81206435	1.0549237	-1.0404325	-1.0657679		
DM06973P1	0.81208724	1.0992913	1.2422606	-1.035975	CP17	NM_001172262.1
DM09463P2	0.8121079	-1.0842495	1.0860473	-1.1330292		
DM12280P2	0.8122232	-1.0406169	-1.0468284	-1.090294		
DM03463P1	0.8123587	-1.0871294	-1.2728128	1.0409712	DGRI\GH140	XM_001994762.1
DM03644P3	0.8123587	1.0844628	1.305026	1.1485533		
DM02719P4	0.81240475	-1.0874324	-1.0309113	-1.0154641	LOC656921	XM_963418.2
DM07082P3	0.81310976	1.05395	-1.0226053	1.113381		
DM11529P3	0.8131503	1.0780462	1.0650096	1.0216159		
DM03868P4	0.81325376	1.0886744	1.0699995	1.0223391	NEMVEDRAFT	XM_001635788.1
DM05027P2	0.8133889	1.0447407	1.1155201	1.1299038		
DM15397P2	0.81343544	1.0995667	-1.0423179	-1.0113881		
DM15307P4	0.8134601	1.3298239	1.0059963	-1.1374115		
DM03518P1	0.8139221	1.1394901	1.3780456	1.0794992		
DM05637P3	0.8140064	-1.255153	-1.124598	1.11877		

DM10686P3	0.8140079	1.2544775	1.43507	1.1562079		
DM00836P2	0.81418097	-1.1205024	-1.4607674	-1.0551285	RAD50	XM_001650518.1
DM07376P1	0.8142509	-1.1780007	-1.1142416	1.051615		
DM09933P3	0.81439507	1.0919484	1.1220138	-1.0023001		
DM15209P3	0.81443304	-1.0836349	-1.0980707	-1.1536705		
DM09396P3	0.8144559	-1.0555338	1.0181475	-1.0834312		
DM11161P1	0.8145299	1.0536625	-1.102424	1.0886022		
DM04011P2	0.8146202	-1.0096828	1.0138109	-1.0308489		
DM04697P3	0.81466424	-1.1982588	-1.1115507	-1.0571935		
DM08574P2	0.8147004	-1.0175409	-1.0612993	1.0105865		
DM07964P1	0.81477815	-1.0355144	-1.2336771	-1.0122025		
DM02035P2	0.8148476	1.0740398	1.0104873	-1.0108465	AGXT2L1	NM_001102865.1
DM14870P3	0.81489867	1.1221597	1.0174273	1.2529135		
DM13475P3	0.8149925	-1.0509983	-1.016402	1.1502321		
DM10689P2	0.8152769	1.120692	1.1985254	-1.0775082		
DM09046P3	0.8153365	-1.1456803	-1.0725131	-1.0392323		
DM07116P2	0.8153428	-1.1403672	-1.0184742	-1.1701635	CG34220	NM_001103783.1
DM05066P3	0.8155027	1.0868278	-1.0024992	1.0235044		
DM08861P2	0.8155548	1.0455703	1.0740995	-1.1034493		
DM09066P2	0.81580144	-1.1147773	-1.1526994	1.0428587		
DM06528P1	0.8158741	1.1828568	1.1983461	1.3821282		
DM04340P3	0.81589526	-1.4109535	-1.1042669	1.065493	LOC410520	XM_393999.2
DM11704P1	0.8158997	1.080975	-1.1154996	-1.0383878		
DM09946P2	0.81607777	-1.1883416	-1.1801498	-1.4564059		
DM04309P1	0.81609136	1.0158013	-1.1359203	1.0167468		
DM09773P1	0.8164194	-1.2244735	-1.3830693	-1.2107708		
DM03176P1	0.81642467	1.0505935	-1.0140687	-1.1727982		
DM01201P3	0.81656516	-1.0080266	1.021915	1.0941035	DPER\GL1792	XM_002024751.1
DM00495P1	0.8165966	-1.0754302	-1.1179781	-1.049407	LOC662173	XM_968289.2
DM03293P3	0.8166647	1.0089846	-1.1293315	1.0082105		
DM14393P2	0.8167911	-1.0894598	-1.08842	1.035199		
DM00668P2	0.8168766	-1.2803483	-1.0552442	-1.0552452	ITPR	XM_001649113.1
DM00840P3	0.8168937	-1.0548449	-1.1243764	-1.0719196	DBT	NM_001918.2
DM06730P2	0.81694746	-1.0116749	1.0122306	1.0047823	CPR69	NM_001099612.1
DM11188P1	0.81709427	-1.2164458	1.0327681	-1.2272533		
DM14041P1	0.8172018	1.1258687	-1.0154594	-1.0268775		
DM13210P2	0.817388	-1.0102912	1.0235206	-1.1924963		
DM08117P2	0.8177287	-1.0873489	-1.0685804	1.2109101	CHLREDRAFT	XM_001703726.1
DM13818P4	0.8178099	1.147273	1.4133941	1.0682212	CP20	NM_001172243.1
DM10223P1	0.81781614	1.28724	1.3483186	1.0887212		
DM01733P3	0.81798947	1.0858184	1.0455072	-1.0534173	LOC1001682	(XM_001950957.1
DM04914P3	0.81803393	-1.1132103	-1.2799376	-1.09744		
DM11163P3	0.8180405	1.0029545	1.0463091	-1.051998		
DM08264P1	0.8182236	-1.2349259	-1.182441	-1.0739883		
DM14278P4	0.81832457	1.1133353	1.1392876	1.1070328		
DM10303P3	0.8183673	1.1032157	-1.1457479	1.1321982		
DM10758P2	0.8183964	-1.064036	1.0814214	1.053681		
DM04791P3	0.8188126	-1.1160301	-1.035187	-1.0521743	DVIR\GJ1386	XM_002051105.1
DM09102P1	0.8188206	-1.0114388	1.0564855	1.020287		
DM05928P1	0.81899893	-1.0628685	-1.2013716	-1.0837253	CHGG_00365	XM_001219585.1



DM13372P2	0.819011	1.1813287	1.1689168	1.240877		
DM14749P1	0.81952846	1.030166	1.1949944	1.0304097		
DM03562P2	0.819541	1.0690924	1.0132031	1.1229235		
DM14359P1	0.81982017	1.1760585	1.020903	1.0163	CYP4AZ1	XM_397272.3
DM07101P2	0.8198583	-1.0432847	-1.0277259	1.0120932		
DM03674P2	0.8199279	-1.0162799	-1.1699687	-1.2234267	LOC10016450	XM_001944125.1
DM02142P2	0.8200014	-1.07524	1.0422533	1.0115818	AGAP_AGAP0	XM_318007.4
DM13437P2	0.820024	-1.1311074	-1.0876881	-1.1616777		
DM04460P1	0.8201653	-1.0739001	1.0417402	1.101856		
DM06273P1	0.82023484	-1.1239307	-1.0822228	-1.2895931		
DM10068P4	0.82030183	-1.018731	1.0666898	1.0371443		
DM00399P3	0.8204607	-1.007421	-1.0487988	1.017381	LOC733045	NM_001047037.1
DM02092P1	0.8206991	1.0140065	1.1701852	1.0865692	LOC413942	XM_397379.3
DM07612P2	0.8209104	1.0518411	1.105288	1.0538325		
DM13196P2	0.82094777	1.0837948	1.1351869	1.097132		
DM08904P1	0.8210183	-1.3011407	-1.1432188	-1.3302683		
DM01292P3	0.8211254	1.0259138	-1.0021138	1.0501801	CRP3	XM_385816.1
DM14478P3	0.821152	1.0268862	1.2503339	-1.1337599		
DM10194P3	0.82118934	-1.3172158	1.0245641	-1.2681115	UNR	XM_397449.2
DM06669P1	0.82120264	1.0004734	-1.0224661	1.0557754	PB103351.00	XM_666562.1
DM05283P4	0.8216098	-1.0378745	1.0323277	-1.0680554		
DM03161P3	0.82172114	-1.0540814	-1.0268708	-1.0102073	LOC10017910	XM_002128053.1
DM06756P3	0.8217535	-1.0604142	-1.1260675	-1.0871655		
DM15201P1	0.82181674	-1.0378379	-1.0267428	1.0703459		
DM08151P1	0.8219622	1.0206805	1.0754226	-1.0025228		
DM04711P3	0.82202816	-1.1094507	1.0759699	-1.1525679		
DM04729P1	0.8221297	-1.0714276	1.1138406	1.07012		
DM01085P1	0.8224005	-1.1717333	-1.1132995	-1.0725427	LOC10021170	XM_002161491.1
DM06317P3	0.8225141	1.1362205	1.0472754	1.1536205		
DM00723P3	0.8226801	-1.0494426	1.0025735	-1.0330445	AAEL_AAEL00	XM_001650449.1
DM09453P3	0.8227282	1.02873	-1.0195626	-1.06772		
DM01725P2	0.8227964	1.1018945	-1.008714	-1.0222518	DPER\GL2600	XM_002018931.1
DM05326P3	0.8228333	-1.000142	-1.1356597	-1.1905768		
DM04563P3	0.8229105	-1.0190679	1.0540323	-1.0158932		
DM15152P2	0.82310426	1.032207	-1.0875982	-1.1099268		
DM09037P1	0.8231105	-1.0965784	-1.0534383	-1.0377399		
DM08501P3	0.8232592	1.0477036	1.1786863	1.1710554		
DM04706P4	0.8234582	1.0677496	1.0569859	-1.0469021		
DM13430P1	0.82346445	-1.0629437	-1.0762844	1.0195379		
DM04634P1	0.82363135	1.1040947	-1.1010004	1.1884117		
DM01269P1	0.8238015	1.0705009	-1.1084337	1.043072		
DM07815P1	0.82382405	-1.008416	1.0065264	1.0620785		
DM03201P1	0.82424426	-1.1463441	-1.0008522	-1.1605729	LOC10021780	XM_002191551.1
DM08839P2	0.8243367	1.0188782	1.027433	-1.0857651		
DM15017P1	0.824518	-1.1102753	-1.205376	-1.1251378		
DM05509P1	0.82452756	1.2462612	1.2206492	1.1138455		
DM02413P3	0.8245957	-1.0746895	1.071971	-1.1743679	LOC410487	XM_393966.1
DM14603P1	0.82463706	-1.006509	-1.0846022	1.0906918		
DM03536P1	0.8246408	1.0113392	1.0265275	1.1155204	DVIR\GJ2049	XM_002049865.1
DM02617P4	0.8248374	1.0295612	-1.0405387	-1.0534321	LOC10002570	XM_001370741.1

DM07689P2	0.8248442	1.0276527	1.0019841	1.0054848		
DM07433P3	0.82485896	1.0888739	1.2292053	1.146811		
DM08645P1	0.8250668	1.0687311	1.0228096	1.1019113		
DM12873P2	0.8250811	1.0622503	1.0201706	1.0125587		
DM07422P1	0.8255413	1.2695223	1.1585711	1.0735892		
DM12177P1	0.82558817	-1.1094102	-1.0674976	-1.1204726		
DM07651P1	0.8256828	-1.049843	-1.013576	-1.0546428		
DM09216P3	0.8258413	-1.1319695	-1.0759082	-1.0801355		
DM04319P1	0.825851	1.060499	-1.133197	-1.046622		
DM11871P1	0.8260398	1.1789906	1.3463213	1.0683796		
DM02004P1	0.8263882	1.04396	1.1137503	1.0849938		
DM11809P1	0.826395	-1.0580689	-1.0621856	1.0231076		
DM06380P2	0.8264673	1.0846484	-1.0769544	1.0199006		
DM14042P3	0.82658565	1.0205201	-1.0900049	-1.1647046		
DM08788P2	0.82681185	-1.0441145	-1.3014923	-1.0096902		
DM12296P2	0.82689697	1.1347328	1.1628599	1.0944185		
DM02699P1	0.8271964	1.0042319	-1.0457041	-1.012419	PDH	XM_001650646.1
DM10153P3	0.82725024	1.0478593	1.097846	1.1402854		
DM14286P2	0.8273603	-1.0179665	-1.0831538	1.149198		
DM14919P3	0.8275914	1.1786948	-1.0670364	1.4235609		
DM03485P3	0.82774323	1.0743402	1.0827248	1.1828849		
DM11640P2	0.82778776	-1.0483956	-1.0547354	1.0344901		
DM01081P3	0.82796055	-1.1640332	1.1521204	1.2052226	ADH	XM_001848803.1
DM12390P4	0.8279946	1.1852868	1.2161263	1.1544759		
DM04221P1	0.8283346	1.0673077	-1.0921406	-1.0432159		
DM11854P1	0.8283879	-1.0240877	1.0149838	-1.0526754		
DM06720P1	0.82839566	-1.1556418	-1.2029601	-1.1522713		
DM11725P2	0.82856494	-1.018707	1.0562309	-1.0546454		
DM11082P3	0.8286242	-1.0720149	-1.0381252	-1.1406766		
DM05212P4	0.82867044	1.0130049	-1.0716352	-1.16572		
DM05366P1	0.8287444	1.1504879	-1.0285445	1.1606559		
DM00842P3	0.8288024	-1.0058508	1.0897251	-1.1201473	LOC1000750	XM_001506561.1
DM13136P2	0.82888764	-1.2600625	-1.15443	1.1580676		
DM04656P1	0.8289119	-1.116745	-1.1811191	-1.3232973		
DM09337P2	0.8289559	-1.0207131	1.0589962	1.0547719		
DM13487P2	0.8289626	-1.1702225	-1.0057625	-1.04425		
DM06251P3	0.82899636	1.0480199	1.0643343	-1.0007424		
DM03326P3	0.8290319	-1.0039779	-1.075981	-1.1166642		
DM12465P3	0.8291756	1.0555037	1.0492605	1.1580307		
DM12983P3	0.829334	1.1645148	-1.0503776	-1.0673443		
DM09742P3	0.8294032	-1.1079267	-1.0739756	-1.1444993		
DM03134P1	0.8297246	1.0627298	-1.0435088	-1.0427864	LOC1000148	XM_001364386.1
DM04698P3	0.82982427	1.1250516	1.2123245	1.2259338		
DM06479P2	0.829841	1.0881811	1.007479	1.0704044		
DM08019P3	0.83006585	1.1452453	1.0834488	1.182135		
DM10507P2	0.8300868	1.0013049	-1.095757	-1.1041192		
DM03156P4	0.8301925	1.0359719	1.0787953	-1.0124565		
DM04468P1	0.8302275	-1.026914	1.0061237	1.0257432		
DM04350P2	0.8303136	-1.0632347	-1.0986317	1.055829	LOC1002158	XM_002155162.1
DM06718P2	0.83063555	-1.1360656	-1.0882918	1.0869464		

DM07254P1	0.830658	-1.2210209	-1.0405694	-1.2098498		
DM13132P3	0.8306683	-1.0062344	-1.0142214	-1.0879165		
DM07015P2	0.8306953	1.0307343	1.1395913	1.053028		
DM04475P3	0.83078915	1.0008836	1.0200967	1.1133491		
DM07380P2	0.8308229	-1.2701436	-1.1509404	-1.2624769		
DM10711P3	0.8308246	1.0561855	-1.0164609	1.0467004		
DM09376P2	0.8308803	1.054934	-1.210266	1.0103227		
DM02113P1	0.83097816	-1.1982313	-1.0726278	-1.0987684	LOC655504	XM_962058.2
DM06085P3	0.8312735	-1.1371723	1.0023363	-1.0040799	AAEL_AAEL0C	XM_001651899.1
DM05655P1	0.8313774	1.062321	-1.0756892	-1.0431823		
DM13847P2	0.83155686	1.0868431	-1.0578396	1.0423388		
DM15088P3	0.8315693	-1.2020644	-1.1639944	1.026332		
DM05382P1	0.83161026	1.190187	1.3151362	1.2051235		
DM03774P2	0.8316412	-1.0790495	-1.0459168	1.0361751		
DM08333P3	0.83198285	1.0346948	-1.042744	-1.075634		
DM11015P2	0.83205825	-1.1395979	-1.1109009	1.0655203		
DM09342P1	0.83210987	1.0834702	1.207656	-1.0310334		
DM10527P1	0.83269095	1.1400883	1.0057083	-1.1121281		
DM00051P2	0.83275956	-1.0514996	1.3085291	1.0326033	LOC663863	XM_969894.2
DM03395P1	0.83294535	-1.1484654	-1.0761136	-1.1289623		
DM11609P1	0.8330334	1.0504941	-1.0424166	-1.0983722		
DM06792P1	0.83345485	1.0432479	1.0850928	1.1578109		
DM12106P2	0.8334795	-1.0482434	1.2246361	1.2536789		
DM12481P1	0.83365154	-1.2413577	-1.088106	-1.1904124		
DM05759P4	0.8336865	1.014669	1.0164964	1.1939461		
DM01767P3	0.8337518	-1.0773389	1.0076413	1.016885	AGAP_AGAP0	XM_317733.3
DM10664P3	0.83382136	-1.0559679	1.0848914	-1.1926168		
DM08302P4	0.83385074	-1.0940229	-1.0253246	-1.0331842		
DM05134P2	0.8341643	-1.1261448	-1.0339137	-1.1965996		
DM02008P1	0.8341915	-1.0394661	1.0467198	-1.0337864	BRAFLDRAFT	XM_002596679.1
DM01039P4	0.8342441	-1.1191977	-1.1539431	-1.028721	MGC64526	NM_001086455.1
DM10466P2	0.83425754	1.0452309	-1.029358	-1.1349707		
DM00413P1	0.83448553	-1.1214538	1.036329	-1.0249897	LOC1001845	XM_002128105.1
DM09605P2	0.834644	1.0180106	-1.1118128	-1.0529456		
DM10983P2	0.8347427	1.0307714	-1.0759044	-1.146954		
DM07327P3	0.83482665	-1.0407113	1.0066531	1.0077018		
DM02444P4	0.83487976	-1.066521	-1.058958	-1.0345414	AP2B1	NM_199919.2
DM03855P1	0.83488023	1.0280601	1.010211	1.0654856		
DM00422P3	0.83495873	-1.1508572	-1.3212757	1.000382	LOC1000116	XM_001365597.1
DM09285P3	0.83508426	-1.0910642	1.0169113	-1.0117402		
DM12415P1	0.8351087	1.0429751	1.0687083	-1.0198059		
DM00583P1	0.835154	-1.0802238	-1.1165752	-1.1924081	CHIA	XM_001857818.1
DM14640P2	0.83534926	-1.1547697	-1.0353572	1.1383832		
DM08500P1	0.83545864	-1.0147352	-1.0330925	-1.0339385		
DM02039P1	0.8354681	1.1464647	1.1723282	-1.0342392	LOC1002277	XM_002196621.1
DM12030P4	0.83576345	-1.0669888	-1.0030607	1.0085663		
DM03115P1	0.8357868	1.0410453	-1.225372	-1.0023708		
DM04681P3	0.835996	-1.0013651	1.197953	1.2637886		
DM13447P1	0.8362086	-1.0455971	-1.009691	1.2744508		
DM10229P4	0.8363258	1.0913936	1.0613303	1.1156265	LOC1001417	XM_001807638.1

DM13189P2	0.836345	-1.0247773	-1.0207425	-1.1999291		
DM11913P2	0.8365601	1.0281812	-1.0612767	1.1050959		
DM05579P3	0.83676463	-1.151678	-1.0605556	-1.0419772		
DM07643P3	0.8367813	-1.0059398	1.2656163	1.154867		
DM08519P3	0.8368684	-1.022293	-1.1766003	-1.2182474		
DM10722P1	0.83690745	-1.0042619	-1.0019934	-1.074783		
DM11742P1	0.8370047	-1.0854275	1.2190791	1.141112		
DM02790P3	0.837055	1.0785831	1.0869743	1.0524412	DNAJ-2	NM_001046827.1
DM09601P1	0.837405	-1.1205071	1.1514002	1.1615673		
DM05431P3	0.8374436	1.0342195	-1.047449	-1.0124874		
DM06616P1	0.8375702	1.0288558	-1.0245838	1.0225785		
DM08517P1	0.83786196	-1.138923	-1.377961	1.0014545		
DM03950P1	0.83800024	1.090413	-1.1062121	1.1574725		
DM15290P1	0.83801436	1.0052518	1.121105	1.0840565		
DM14327P1	0.8380353	-1.0335858	1.0443788	-1.1044171	DVIR\GJ1169	XM_002047837.1
DM01047P3	0.83831525	-1.012956	1.0427948	-1.0208886	LOC551947	XR_015104.1
DM06773P1	0.838356	-1.0420974	1.1128229	-1.2348598		
DM12576P2	0.8385713	1.063622	1.2423304	1.1398863		
DM08200P3	0.83879477	-1.0426929	1.1666746	-1.049694		
DM12654P1	0.83885044	-1.0055269	1.0240452	1.1056126		
DM08311P1	0.83886707	-1.0085047	1.1068579	1.0152199		
DM12957P2	0.8388698	-1.0918851	-1.0102289	-1.0369447		
DM04907P3	0.8389896	-1.335866	1.1078641	-1.1467538		
DM00642P2	0.83901024	1.0169687	-1.0457003	-1.0918492	BLCAP-A	NM_001171727.1
DM07713P1	0.8391357	1.0596136	1.0879514	1.1596441		
DM10943P3	0.8391812	-1.0725036	1.080637	-1.0337442		
DM13511P2	0.83922315	-1.0684755	1.0946919	1.1018407		
DM08408P1	0.8392875	-1.0265207	-1.4238003	-1.2420493		
DM09354P1	0.8392967	1.0153971	-1.0575689	-1.1137394		
DM12778P1	0.8393022	1.053811	-1.0845164	1.097815	DMOJ\GI1316	XM_002007813.1
DM14409P3	0.83950764	-1.0340418	1.0246125	-1.0977566		
DM14279P2	0.8397819	-1.0522214	-1.0330918	-1.1210048	DBP80	XM_624943.2
DM08529P1	0.83987826	1.0221004	-1.0476167	-1.0335582		
DM04726P2	0.83995324	1.002543	-1.0660496	1.1094524		
DM12780P2	0.83995944	1.0871568	1.0665194	1.1926494		
DM06783P4	0.84016085	-1.0039089	-1.0373781	1.0728867		
DM00134P4	0.8401671	1.100785	1.2490609	-1.0177397	LOC658635	XM_961510.2
DM10694P2	0.8402225	-1.0501804	-1.0241109	-1.1487141		
DM10313P4	0.84024256	-1.2878337	-1.1148826	-1.1937861		
DM14990P3	0.8408051	1.0065758	-1.085867	1.3206272		
DM06046P2	0.84090763	-1.0298014	1.0904458	-1.0107414		
DM13213P1	0.840998	1.0728028	1.0263553	-1.0278368		
DM04037P1	0.8410871	-1.0608141	1.0487833	1.0059028	LOC659069	XM_965403.2
DM03091P3	0.84108907	1.0770354	-1.0027728	1.0256287		
DM05675P1	0.84125805	-1.0482655	-1.0126613	1.0364165		
DM08657P1	0.8412898	-1.0495284	1.0634781	-1.0607401		
DM08776P1	0.841599	1.0581831	1.0421906	-1.0766939		
DM04615P2	0.8417096	1.1831619	-1.0757767	1.2008034		
DM03594P3	0.84171134	1.1116296	1.0367512	1.098405	AGAP_AGAP0	XM_001230625.2
DM10442P1	0.84184206	1.1298819	-1.1576515	1.0313929		

DM07509P2	0.8421179	-1.1026851	-1.1144747	-1.064592		
DM07367P1	0.84279674	1.2507228	1.0926456	1.1955049		
DM10294P3	0.84287655	-1.056468	-1.1097068	-1.0078821		
DM09920P3	0.84305227	1.0425016	-1.0703872	1.204643		
DM09709P1	0.84312093	-1.0427066	-1.1550555	1.005765		
DM10986P1	0.8433935	-1.1835417	-1.0793531	-1.2829741	LOC1001866	XM_002119531.1
DM00995P1	0.8434042	-1.0659606	-1.069901	-1.1028308	BRAFLDRAFT	XM_002612393.1
DM00755P1	0.8437768	-1.0346179	1.0069133	-1.0527649	DYAK\GE131	XM_002090369.1
DM02915P2	0.8438276	-1.0810149	-1.0915693	-1.0684111	RBM39	XM_425690.2
DM09356P3	0.8440324	1.0429255	1.2452652	1.1477307		
DM06074P3	0.84405917	1.060387	1.3710088	1.2467626	CP26	NM_001134290.1
DM07879P1	0.84413993	1.0679374	1.0285511	1.0887372		
DM01426P4	0.84414583	1.192579	-1.0132955	1.0087229	NOP2	NM_001022448.1
DM06996P1	0.84450567	-1.0692513	-1.0035315	-1.0320469		
DM13917P1	0.8446034	-1.0352399	-1.047558	-1.0830238		
DM06187P1	0.8447195	-1.0265818	1.0263563	1.0448519	LOC1001425	XM_001812711.1
DM11830P1	0.84472007	1.0244955	-1.0494086	1.1513727		
DM14425P2	0.84487003	1.0366328	-1.009255	1.0812923		
DM11792P2	0.8448837	1.0141807	1.0595703	1.0572633	DWIL\GK148	XM_002065158.1
DM12989P1	0.84494776	-1.0316399	-1.1288366	1.0995317		
DM00198P2	0.8450324	-1.0424026	1.0040467	1.0455495	DNM	XM_001652620.1
DM08335P2	0.84508884	1.0763221	-1.133754	-1.2364523		
DM03168P3	0.8450995	1.0754161	-1.0647486	-1.118328		
DM01732P4	0.84538186	1.1519028	1.1330373	1.1496747	ATPALPHA	NM_001170196.1
DM14408P1	0.8458952	1.1025009	1.0157073	1.0533015		
DM05183P1	0.84589964	-1.1632138	-1.1287899	-1.0639285		
DM12760P3	0.8459036	1.124843	1.214386	1.3291466		
DM05398P2	0.8460097	1.0913119	-1.1155232	-1.1471106		
DM05026P3	0.84601516	-1.0152744	1.0126164	1.1467204		
DM09847P4	0.846164	1.1766866	1.1725435	1.2688806		
DM14564P1	0.84620553	-1.0398986	1.0321807	-1.0081369		
DM13154P3	0.8465883	1.0362035	-1.0690582	-1.1722406		
DM12629P3	0.8466622	1.0569344	-1.0619541	-1.02555		
DM03927P3	0.84668005	1.0414884	1.0224589	1.0136575	DSIM\GD257	XM_002081353.1
DM12312P1	0.8470498	1.0624253	-1.0231495	1.0267987		
DM05120P4	0.84710443	-1.0006047	1.0496116	1.0136766	TRIADDRAFT	XM_002109804.1
DM02694P1	0.8476724	-1.0603846	1.0798788	-1.0418316	DGRI\GH222	XM_001997887.1
DM08943P2	0.84783	1.0700829	1.0544393	1.0003684		
DM09167P1	0.8478801	-1.0435758	-1.2704382	-1.0924592		
DM05684P1	0.8479081	-1.0867139	1.1035423	1.143098		
DM05256P3	0.84808093	1.0000539	1.0158161	1.0083972		
DM11665P1	0.848114	1.1310828	1.1593746	1.1698478		
DM09397P3	0.8482086	1.078024	1.0863023	1.1039845		
DM01516P2	0.848414	1.1064874	1.1916488	-1.1052347	CCE-A2	XM_001603992.1
DM03471P2	0.8486068	1.1124029	1.197021	1.2156568		
DM08631P3	0.8488455	1.0697159	1.1393414	1.1069497		
DM07980P2	0.84888965	1.0763342	1.0091661	1.033003		
DM13840P3	0.84890944	-1.0720158	-1.0141916	1.0267111	LOC732966	NM_001046964.1
DM00260P2	0.84893185	-1.0845468	1.0374748	-1.051261		
DM10470P2	0.8490486	1.0557743	1.0091016	1.0280869		

DM01671P1	0.84937775	1.0448494	1.041839	-1.0036235	LOC551386	XM_623781.2
DM03733P1	0.8494271	-1.0800703	-1.0307921	-1.0303456		
DM01120P1	0.84968585	1.0343051	-1.0076445	1.062853	MONBRDRAF	XM_001749591.1
DM08820P2	0.8498131	-1.0605638	1.0605754	-1.0423855		
DM09838P2	0.84983504	-1.0047176	-1.1425025	-1.1053119		
DM08073P3	0.8500582	1.0826784	1.0065421	1.0318153		
DM06869P1	0.85008705	1.0557356	-1.0001701	-1.0759363	C56G2.7	NM_065986.5
DM03481P1	0.8502128	-1.01123	1.0371236	-1.0694929	TMEM195	NM_001004320.1
DM14699P2	0.8503698	-1.0178685	1.0465976	1.1102496		
DM06567P1	0.8505315	-1.0481333	1.0995669	-1.0208795		
DM01377P2	0.85056555	1.0127724	1.0602391	-1.0029238	NSA2	NM_001034546.1
DM03921P1	0.85087925	1.0078858	-1.0624417	-1.022793		
DM10525P1	0.8510618	-1.3426259	-1.0241262	-1.3352926		
DM05194P2	0.85111606	-1.0472344	-1.0593973	-1.0038965	DSIM\GD171	XM_002106823.1
DM03423P1	0.8511505	1.0055121	1.1149564	-1.0000007	LOC1001986	XM_002166820.1
DM01064P1	0.85126853	1.0310398	-1.0631053	1.0479858	DERE\GG198	XM_001980182.1
DM14833P2	0.8513742	1.0541837	-1.0507402	1.1077256		
DM13147P3	0.85138404	1.0451294	-1.0742878	1.1181815		
DM11473P3	0.8514345	-1.021346	1.0203617	1.030087		
DM10456P1	0.85148776	-1.261241	1.1380678	-1.1423739		
DM02653P1	0.8515363	-1.1206317	-1.0942268	-1.091034		
DM02182P3	0.8519034	1.0256548	1.0288755	-1.0731169	RNRS	XM_397443.3
DM08644P3	0.8521085	1.1051704	1.1565889	1.1333956		
DM11875P2	0.8524772	-1.0597234	-1.1433874	-1.2541078		
DM03545P2	0.8526519	-1.0119781	-1.0539472	1.0598819		
DM15018P1	0.85276777	-1.0788667	-1.0466694	-1.1201557		
DM07746P1	0.8527791	1.1161308	1.0887749	-1.0578061		
DM06707P3	0.8529929	1.0789065	1.2649314	1.2496376		
DM00938P2	0.85299337	1.130844	1.2716551	1.0607755		
DM02425P1	0.8532196	-1.0044569	-1.1753334	1.1180423	MONBRDRAF	XM_001746122.1
DM08502P3	0.8533377	1.0574472	1.1582363	1.053121		
DM03928P1	0.8533694	-1.0105716	1.0843129	1.0789859		
DM15115P1	0.8536414	1.0913756	-1.0031537	1.0169685		
DM07930P1	0.8536726	-1.0036229	1.1445773	1.2339056		
DM02412P1	0.8538277	-1.0088276	-1.0773945	-1.0747672	HM13	NM_001087405.1
DM00523P4	0.8538319	-1.2646513	-1.0936165	-1.2749313	LOC733131	NM_001047078.1
DM02882P2	0.8540514	1.0338771	1.0701942	1.0246418		
DM07312P3	0.85413224	-1.2917801	-1.0962126	1.0426655		
DM06782P2	0.8542539	-1.0817832	-1.0634829	1.0194231		
DM02977P1	0.8543156	-1.0767782	1.0603958	-1.1159475		
DM07081P2	0.85453695	-1.0305167	-1.1438498	1.1072174		
DM14715P1	0.85459095	-1.2328447	1.0050341	-1.0776116		
DM04414P1	0.85470057	1.034938	1.0100476	-1.0442394		
DM09995P1	0.8548059	1.2440745	1.2183956	1.1869209		
DM14507P3	0.85523367	1.0093812	-1.0817873	-1.023682		
DM01856P1	0.85542643	1.0816746	1.0208813	-1.0279937	LOC1001629	XM_001942706.1
DM13983P3	0.8556814	-1.2750853	-1.0972469	-1.1869644		
DM03993P1	0.8557882	1.0095494	1.0072984	1.2830142	CHIT	XM_001841628.1
DM04238P2	0.85579556	-1.072507	1.0324349	1.0122608		
DM15084P2	0.85593987	-1.1376991	1.032242	-1.0521138		

DM13327P1	0.8559845	-1.0087899	1.1380918	1.0216956		
DM10096P1	0.85601884	-1.1467398	-1.0452825	-1.1508632		
DM07241P2	0.85605466	1.0908773	1.1208141	1.1290673		
DM03372P1	0.8563174	-1.0989567	1.012864	1.0009892		
DM14711P2	0.8563697	-1.0065361	1.0353593	-1.0332834		
DM00137P3	0.8564344	1.233099	1.0226629	-1.0216956	BRAFLDRAFT_XM_002593556.1	
DM06462P1	0.8565703	-1.3406235	-1.0211141	1.0425828		
DM13279P3	0.8565948	-1.0829169	-1.060734	-1.0439428		
DM06242P3	0.8570138	1.0631276	1.0186951	1.0881011		
DM07290P3	0.8570668	1.0352105	-1.0423638	1.201335		
DM06264P1	0.85716236	1.0596533	1.1308253	-1.0660137	LOC1000553(XM_001915472.1	
DM14291P2	0.8572692	1.101346	-1.062147	1.011377		
DM04241P1	0.8572996	1.0299121	1.0913725	1.0558519		
DM07240P3	0.8573732	1.0039663	1.1283355	-1.089528	LOC1001804:XM_002120912.1	
DM09345P2	0.8575023	1.0247645	-1.0462787	-1.0549823		
DM09986P3	0.8576743	1.2129653	1.0560329	1.2554108		
DM06984P2	0.8580677	-1.1662089	-1.0357826	-1.0459274		
DM11915P1	0.8581309	1.1500225	1.1851046	1.1625539		
DM07501P2	0.8582038	1.1640145	1.3966454	-1.0102111	CPR15	XM_315459.4
DM06876P4	0.8584095	-1.176567	-1.0439473	-1.1291403		
DM00319P1	0.8584583	-1.0695755	-1.0548631	1.0015476	PRKAC	XM_001661926.1
DM07831P3	0.85853636	-1.0109016	1.0443138	-1.0117093		
DM09542P2	0.8586184	1.1194787	1.1205988	-1.0196455		
DM11273P3	0.85866046	1.227995	1.5569316	1.0966785		
DM13693P2	0.85876524	1.3518325	1.4078984	1.5560938		
DM08475P2	0.8588702	1.1288729	1.1285521	1.1242224		
DM08392P4	0.85910684	-1.0195276	-1.0958784	-1.1104888		
DM04782P1	0.85911393	-1.0848798	-1.0381111	-1.0747012		
DM04122P1	0.8592527	-1.219328	-1.0952067	-1.1216769		
DM09870P1	0.8592764	-1.0488489	1.0324621	1.0253226		
DM14396P1	0.85931337	-1.0604916	1.0997149	1.0175555		
DM08848P3	0.8593307	1.0797957	1.0540386	1.049255		
DM00501P1	0.85947895	-1.0756227	-1.0252707	-1.0983231	SFXN1	NM_001096880.1
DM12210P2	0.8596122	1.1145484	-1.1500887	-1.0251526		
DM03025P1	0.8596565	-1.1221389	-1.0368994	-1.0252894	RBM17	NM_001046976.1
DM12395P1	0.85967535	-1.0112836	-1.0717095	-1.0273951		
DM11486P1	0.8599553	-1.0270667	-1.0282062	-1.1002963	DYAK\GE103(XM_002098441.1	
DM09039P1	0.86005455	-1.4227333	-1.1640415	-1.5463835		
DM11578P3	0.86006826	1.0175433	-1.2225783	1.0716325		
DM00492P2	0.8601093	1.0178337	1.0180027	1.0742718	DVIR\GJ2069(XM_002049515.1	
DM11763P1	0.860113	1.028678	-1.12177	1.075565		
DM02899P2	0.86013967	-1.0168095	-1.0049448	1.0763379	RPS17	NM_001126209.2
DM13453P3	0.8601438	1.0726535	-1.0101112	1.1720173		
DM06249P4	0.8604041	1.1295763	1.1368417	1.2183465		
DM15314P1	0.86059326	-1.0831708	-1.136044	-1.017762		
DM15215P2	0.8607227	-1.0515412	1.0419052	-1.0502361	OVGP	XM_001650070.1
DM02348P1	0.86074984	1.1806006	1.234295	-1.0019734	CUTICLE PRO(XM_001659414.1	
DM07528P1	0.8609399	-1.0411144	-1.0283836	1.0429728		
DM08800P1	0.86095554	-1.0636541	1.187783	1.0247189		
DM04003P1	0.86115336	1.0176028	-1.0459365	1.0245478	DWIL\GK169(XM_002061925.1	

DM03072P2	0.86118317	-1.0642394	1.1822926	1.1036915		
DM12195P1	0.86128813	1.0260442	1.0209556	-1.0399498		
DM10777P3	0.86132115	1.2258906	-1.0467544	1.1249425		
DM02233P4	0.8614	-1.0232611	-1.0433817	1.0509418	VHA55	NM_001170126.1
DM04483P3	0.8614454	-1.0211217	-1.0889394	1.0280944		
DM02803P1	0.8614881	-1.1606594	-1.0682511	-1.059266		
DM02262P2	0.8615538	-1.1620834	-1.0637715	-1.060583		
DM08985P3	0.8616033	-1.058369	-1.1627964	-1.1591411		
DM06818P2	0.8621119	-1.1680064	-1.1042165	-1.0736816	DWIL\GK166	XM_002062439.1
DM01832P2	0.86211807	-1.0779116	-1.0515139	-1.0540428	DVIR\GJ1808	XM_002057432.1
DM08913P4	0.8623125	1.1663868	-1.012252	-1.0290604		
DM11256P2	0.86254764	1.2167524	1.223964	1.1412321		
DM08371P4	0.86269957	1.0814574	-1.0119131	1.0841526		
DM10898P4	0.8628512	-1.0248986	-1.0853119	-1.0300089	LOC1001141	XM_001606125.1
DM00325P2	0.8629514	1.0496824	1.1973757	-1.0446107	LOC1001200	XM_001603652.1
DM05513P2	0.8629838	1.149807	1.1182224	1.1411197		
DM06239P3	0.8630075	-1.0267193	-1.0992795	1.0251173	BRAFLDRAFT	XM_002612393.1
DM09941P4	0.8630338	1.0648608	1.0347453	1.030846		
DM06061P2	0.86307526	-1.0382192	-1.0687634	-1.0989654		
DM15165P1	0.8632712	-1.0499135	1.0765117	1.008565		
DM12903P1	0.863327	-1.052334	1.0054946	1.1535249		
DM14490P2	0.86356115	-1.2540047	-1.0776935	-1.2099162		
DM13781P2	0.86395484	-1.04216	-1.0427886	1.0353961		
DM01566P3	0.8640359	-1.1352271	-1.0357091	-1.1207149	TPM	XM_001655904.1
DM06390P1	0.8641509	-1.1224892	-1.0805883	-1.0712532	LOC1001591	XM_001946152.1
DM02545P2	0.8642256	1.0520238	-1.0091945	1.0226588	ENOX2	XM_595997.4
DM03177P1	0.8642906	-1.1956812	1.0246618	-1.0578202	RNRL	NM_057679.4
DM03626P2	0.86437166	-1.0015658	1.011276	-1.1594548		
DM13578P2	0.8646628	1.0169677	1.0530072	1.0335047		
DM05628P1	0.8647643	1.1122329	-1.0248079	-1.0392774		
DM04503P1	0.8647665	1.1661463	-1.0978396	1.0998749	KIN	XM_507648.2
DM07597P3	0.86483604	1.1017953	1.2326272	1.120493		
DM12433P1	0.86500347	-1.1964115	-1.0753992	-1.138931		
DM04273P3	0.8651983	1.0692325	1.2477403	1.0776635		
DM05296P3	0.86521775	1.0866158	1.0979011	1.0498536		
DM10831P4	0.8653737	1.0900538	1.1435436	-1.1066363		
DM00191P3	0.86553663	1.009766	-1.0148546	-1.051142	DYAK\GE188	XM_002088960.1
DM09193P1	0.86559254	1.0467112	-1.0327224	-1.0272174		
DM08582P1	0.86562145	-1.0531949	1.0035518	-1.0686762		
DM09557P1	0.8656628	-1.0545789	-1.5020183	-1.073466		
DM04533P2	0.86567813	-1.1708738	-1.0393817	-1.1821867		
DM07988P3	0.86574304	-1.0081521	-1.0370959	-1.1122262		
DM06208P2	0.86602986	-1.3335791	-1.015372	-1.1007539	CP17	NM_001172262.1
DM05400P1	0.8662318	-1.0097015	-1.0678343	-1.0770718		
DM03248P1	0.8662461	1.0613339	-1.0236804	-1.2487527		
DM07776P2	0.86633456	1.0050287	1.0435535	-1.0008755		
DM00993P2	0.86653644	1.1374724	1.1739732	1.067184	LOC1001626	XM_001949424.1
DM04400P3	0.86660224	1.0677098	1.0542017	-1.0592976		
DM11757P1	0.86670595	-1.0459436	1.0247091	-1.0264928		
DM06056P2	0.86675936	-1.0288675	-1.2904547	1.0419582	SEC14L2	NM_144520.2



DM05768P2	0.86683124	1.2122954	1.0632305	1.271981		
DM10238P3	0.8668932	1.0157155	1.0791302	1.180864		
DM01534P2	0.8669811	-1.0601737	-1.1359874	-1.101716	DVIR\GJ1386	XM_002051105.1
DM04089P1	0.86710614	1.0058186	1.0010377	-1.0613909		
DM02406P3	0.8672515	-1.0630759	-1.0711061	-1.0846833	CYP-32A1	NM_072608.8
DM10144P4	0.8673418	-1.0502228	-1.0371459	-1.0789297		
DM09325P2	0.86754125	-1.1294593	-1.0518123	-1.1696471		
DM01127P3	0.86775476	-1.0527936	-1.0615789	1.0175985	LACBIDRAFT_XM_001875410.1	
DM03696P1	0.8677645	-1.0081329	1.0009714	1.0362834	PEPD	NM_001095944.1
DM03625P1	0.8678227	1.1963185	1.032079	1.1496139	CAD	NM_001009884.1
DM06177P1	0.86816126	1.0836842	1.0392803	-1.0124545	BRAFLDRAFT_XM_002587081.1	
DM15207P1	0.86846024	1.0478517	1.131175	1.1520212		
DM14292P1	0.8686139	1.0575724	1.126848	-1.1612397		
DM04626P1	0.86865216	-1.0953147	-1.019065	-1.1439891		
DM06689P3	0.8686633	-1.0714725	1.0104243	-1.1465237		
DM06889P4	0.86867034	-1.1047845	-1.1301877	1.10715		
DM07296P1	0.86867034	-1.064285	-1.1197383	-1.1023885		
DM15216P3	0.8688424	-1.0449218	-1.0127983	-1.0051435		
DM10536P4	0.86884725	1.005235	1.0434177	1.2244264		
DM12727P2	0.8689565	-1.0349108	1.0412664	1.0137331		
DM07714P1	0.8689781	1.0605774	1.021244	-1.0239646		
DM06257P4	0.86910576	1.1063035	1.1043098	1.0609586	TAF12	NM_001087686.1
DM02349P1	0.8692312	-1.0026723	-1.1899186	-1.0379087	E2R	NM_001161939.1
DM04004P2	0.86934096	-1.0361975	1.0244449	-1.0138372		
DM15337P2	0.86937875	-1.0847126	1.0016139	-1.2653435		
DM05620P1	0.86941963	1.1375059	1.2858061	1.1793867		
DM11722P1	0.8694555	1.1022495	-1.1410636	1.0068331		
DM06655P2	0.86950535	-1.0346144	1.073642	1.0279381		
DM04678P3	0.8695821	-1.0426259	1.0385741	-1.0162933		
DM05137P1	0.8696589	-1.1180204	-1.1213294	-1.0864576	TXNRD1	NM_001094317.1
DM09312P2	0.8696811	1.0329632	-1.0174493	-1.1466932		
DM12961P2	0.86973536	1.0460389	1.0936135	1.1167513		
DM09566P3	0.87002826	1.0749067	1.0699764	-1.028267		
DM08075P3	0.8702634	-1.0429015	-1.0516804	1.0647146		
DM13241P1	0.8703406	1.099256	1.006019	-1.0050942		
DM10001P2	0.87034786	-1.0598724	-1.0275408	-1.0131155		
DM14415P2	0.8704637	-1.1595916	1.0476546	1.0130861	SULF2	XM_001503514.2
DM03821P3	0.87053674	1.06233	1.0952005	1.1056007	DANA\GF150	XM_001961545.1
DM13471P2	0.8706647	-1.0045388	1.0857815	1.004378	LOC1001170	XM_001601371.1
DM09708P1	0.87075925	-1.1737198	-1.3559505	-1.2062819		
DM00515P2	0.87077737	1.0723001	1.0712998	-1.0432055	LOC1000891	XM_001518586.1
DM02150P3	0.8708013	1.0259715	1.1348124	1.0698403	DYAK\GE129	XM_002090182.1
DM06169P4	0.8708291	1.0405213	1.1849313	1.0967958		
DM07805P3	0.8708673	-1.1249906	1.0083162	1.016282		
DM12420P2	0.8709229	1.1697806	1.2074872	1.113003		
DM02691P3	0.8709645	-1.0034065	-1.0589814	-1.0097963	BRAFLDRAFT_XM_002610807.1	
DM10902P1	0.8709715	1.177447	1.0917957	1.30414		
DM04263P1	0.8711854	-1.002917	-1.0321776	-1.0366508		
DM03885P3	0.8712413	1.0899063	1.0875214	1.1004944		
DM02840P1	0.87127775	1.0090175	1.0351202	1.1405598		

DM02521P2	0.87130797	-1.2912182	-1.1243913	-1.178963	RGD1565100 XM_001064732.1
DM10092P4	0.87160224	-1.1455699	-1.2613344	-1.1001933	
DM08666P1	0.8717411	-1.0045768	-1.1387765	1.0441715	
DM05057P1	0.8718684	1.1787449	1.0363995	1.152731	
DM04242P3	0.8719809	1.0582409	-1.0330613	1.0277449	
DM04261P2	0.87227184	1.1522791	1.138249	1.1305183	
DM08602P1	0.8723179	1.05376	-1.0091113	-1.0215174	
DM13332P3	0.8723351	1.0604628	1.0063225	1.1031319	
DM05414P1	0.87240386	-1.0091159	1.0032161	-1.1893126	
DM14377P3	0.87246805	-1.0322756	-1.0593452	-1.1133105	
DM01051P1	0.8726799	1.0872862	-1.0142161	1.0229617	DSEC\GM192 XM_002040441.1
DM11174P2	0.87289655	-1.1809042	-1.1019346	-1.1266718	
DM04474P2	0.87290764	-1.1116163	-1.0700381	1.0873162	
DM13392P2	0.8732954	-1.0422326	-1.0606245	1.0227878	
DM05476P3	0.87333834	1.0231588	1.0570563	1.0877229	
DM06279P2	0.8736307	-1.0888764	-1.1401488	-1.0964553	
DM12888P1	0.87366635	1.003912	-1.0423688	1.0286831	
DM00006P1	0.8737261	-1.0329269	1.1443166	1.1085382	DGR1\GH226: XM_001993992.1
DM08617P2	0.8737811	1.0496838	1.1426159	1.1297077	
DM11778P1	0.87388974	1.0399683	-1.0221227	1.0563958	LOC1001204: XM_001604049.1
DM01917P1	0.87416196	1.1800416	1.208013	1.098818	AAEL_AAEL0C XM_001649991.1
DM10311P1	0.8742898	-1.2975854	-1.110493	-1.3209537	
DM10027P1	0.8743553	1.0080925	1.140113	-1.0176094	
DM13398P2	0.8744403	-1.0156889	1.0272444	-1.1403576	
DM08990P4	0.8747896	-1.0047123	-1.0812696	-1.0138946	
DM13247P3	0.87482184	-1.0598761	1.0536754	-1.0255649	
DM02253P2	0.87493473	1.0160472	-1.1529319	1.0072807	AK1 NM_001003993.1
DM06081P4	0.874947	-1.2056845	-1.3223381	-1.1760266	
DM04652P1	0.8750069	-1.0296944	-1.1647916	1.0503659	AGAP_AGAP0 XM_320884.4
DM12310P1	0.87507933	1.0237023	1.1049438	1.1307645	
DM11554P1	0.87508416	-1.022737	-1.1620698	-1.0621368	
DM09109P1	0.8754709	-1.35385	-1.2918005	-1.3609645	
DM05199P1	0.87552094	1.0652001	-1.112049	1.0028503	
DM14838P3	0.87555677	1.1277814	1.1328723	-1.0362016	
DM07221P2	0.8757433	1.0872785	1.0586661	1.0475767	
DM09917P1	0.8760692	1.0627751	1.0159752	-1.0927749	
DM05339P1	0.8761108	-1.0657924	-1.1456134	-1.0242339	LOC1001603: XM_001952704.1
DM00874P2	0.87621605	1.0264188	-1.0847223	-1.0568792	ATP2B1A NM_001044757.1
DM12491P2	0.87645817	-1.002584	1.0258373	-1.0257962	
DM10709P3	0.8765439	1.0362328	1.0705551	-1.033795	
DM03466P1	0.8768335	-1.0054594	1.050069	-1.0453281	LOC1002074: XM_002161780.1
DM06864P2	0.87689734	1.1034751	-1.014612	1.0516554	
DM12416P1	0.8770154	1.0017258	1.2384151	1.2466059	
DM04161P3	0.8770471	1.0726473	1.002359	-1.1081027	DANA\GF113: XM_001960747.1
DM10997P2	0.8771635	-1.0096639	-1.0342523	-1.0610143	
DM05129P3	0.87718296	1.2182442	1.0328163	1.0326852	
DM09042P2	0.87726456	1.0147576	-1.102734	1.0326067	
DM02611P1	0.8773233	-1.1444737	-1.1677912	-1.2182956	
DM11808P1	0.8774387	1.0068214	-1.0632651	1.0406114	
DM02500P3	0.8774558	1.0905973	1.3264633	-1.0110248	CP17 NM_001172262.1

DM01546P3	0.87746197	1.0039004	1.0240284	-1.1461138	
DM03758P4	0.8777685	1.2581115	1.183275	1.2858613	
DM10992P1	0.87795955	1.0814861	-1.0104296	1.0546043	
DM12262P1	0.8779946	1.0037385	1.0030388	1.0138403	
DM01492P3	0.8780171	-1.1011972	-1.064207	-1.0592589	LOC1001777! XM_002129528.1
DM06682P2	0.87825245	-1.1156594	-1.0757993	-1.2571496	
DM14424P1	0.8784842	-1.0515183	1.3024536	-1.0111084	
DM06600P3	0.8786063	1.0785056	1.0288624	1.0503694	
DM15057P3	0.87863415	-1.0115042	1.0920647	1.2695794	
DM09165P3	0.8786535	-1.0173947	-1.1020312	-1.1708153	LOC663047 XM_969110.2
DM07127P2	0.878706	1.0651721	1.1259898	1.2134315	
DM08133P2	0.8787366	-1.199285	-1.1197516	-1.2432864	
DM13038P1	0.8789043	1.1425089	1.0063572	1.158955	
DM03266P3	0.8789426	-1.135161	-1.1690539	-1.157821	AGAP_AGAP0 XM_306246.4
DM10504P3	0.8789828	1.0900279	1.0115547	-1.0497268	
DM08209P1	0.8790446	1.0563608	-1.0366073	1.0693305	
DM07353P1	0.87913626	-1.0433787	-1.0576373	-1.0100144	
DM00791P3	0.8792042	-1.0056995	1.0061809	-1.095275	LOC1001234: XM_001607017.1
DM02373P2	0.8794859	-1.16387	-1.0286951	1.0664648	LOC1001686: XM_001947884.1
DM03162P1	0.87950313	1.0231191	-1.0306782	-1.2021676	INTS8 XM_544184.2
DM02034P3	0.87961483	-1.1050107	1.0112872	-1.0004823	PHYH NM_001017823.1
DM03757P1	0.879683	-1.0282598	-1.0812111	-1.0745156	
DM12373P3	0.8796854	-1.1041002	-1.0859888	-1.0837762	
DM00637P2	0.8797065	-1.0942581	-1.058685	-1.0906563	ZDHHC14 XM_849878.1
DM11046P3	0.87972057	-1.1240786	1.0382723	-1.083573	
DM14156P3	0.87976867	-1.0541449	1.0285453	1.1864754	
DM01685P4	0.8797756	-1.3987657	-1.5840354	-1.6575215	AMYA XM_001652122.1
DM13972P4	0.8798294	-1.0816414	-1.0289426	-1.0518591	
DM00888P1	0.87990093	-1.006921	-1.0909195	-1.0469002	DANA\GF113: XM_001960771.1
DM11718P1	0.8800159	1.0495358	1.097256	-1.0515699	
DM14970P3	0.88011086	-1.141305	1.0129688	-1.0361624	
DM08187P2	0.8805972	-1.1345	-1.1104867	-1.1571348	
DM06209P1	0.88062274	-1.0820053	-1.0628617	-1.0468242	DMOJ\GI207: XM_002005899.1
DM06486P1	0.88084584	1.0319904	-1.0436409	-1.1223341	NEMVEDRAFT XM_001622277.1
DM00475P2	0.881004	-1.0763106	-1.1389108	1.0175369	LOC1002308: XM_002192686.1
DM02442P2	0.8810295	1.0703552	-1.0083292	1.0340267	BRAFLDRAFT XM_002609743.1
DM00421P1	0.8812809	1.1170024	1.1373482	-1.0099024	ACE NM_001082395.1
DM09697P2	0.8816007	-1.0447967	-1.0837213	-1.0888602	
DM04073P2	0.88234353	-1.0647206	-1.0560124	-1.0969439	
DM14018P3	0.88240814	-1.0479382	1.0431156	1.0459572	
DM00116P1	0.8825423	-1.0950617	-1.0845847	-1.1029239	LOC658635 XM_961510.2
DM06772P1	0.88258284	1.2413237	1.2796289	1.0379035	CUTICLE PRO XM_001659414.1
DM01872P1	0.88266695	-1.0138183	-1.0527974	1.0326432	LOC655138 XM_961647.2
DM14256P1	0.88281035	1.0144584	1.1906418	1.052216	
DM13388P1	0.883108	-1.0853844	1.1157165	1.0328383	
DM13978P3	0.8833771	-1.0357459	-1.0026821	-1.1040539	
DM08387P3	0.88339204	-1.1445451	-1.0547254	-1.1511632	
DM06693P3	0.88356817	1.0871214	1.028054	1.0549858	
DM14106P1	0.8837518	-1.0557067	-1.005758	1.0102226	
DM01113P2	0.8839207	1.0581836	-1.0146599	1.0240226	BM1_35520 XM_001898516.1

DM09462P1	0.8839357	-1.0102007	1.1265104	-1.079164		
DM13860P1	0.8839847	1.0510775	1.0632633	1.0771992		
DM04166P3	0.8840827	-1.1967596	1.0916256	-1.1035128		
DM07278P3	0.88422984	-1.2049611	-1.5239857	-1.5125793		
DM04267P3	0.88423914	1.0545493	-1.0478288	-1.0305307		
DM11359P1	0.88449913	1.2554141	1.0090467	1.12713		
DM10893P1	0.8845906	1.0224632	-1.0446016	-1.0783215		
DM02541P3	0.88475484	-1.0171913	1.0483342	1.0161601	NEMVEDRAFT	XM_001632180.1
DM06114P3	0.8852398	-1.0197865	-1.0257448	1.0302846		
DM08167P1	0.8854961	-1.0772651	-1.1293529	1.0518572		
DM06190P3	0.8856574	-1.0870246	1.0525366	-1.0461984		
DM11139P3	0.8859172	1.1224947	1.1206716	1.0359349		
DM10866P1	0.8862181	1.01598	-1.0648553	-1.0280727		
DM07530P1	0.8865693	-1.0610373	1.1590874	1.0184427		
DM10107P2	0.8866442	-1.0788226	-1.0167154	-1.1799864		
DM03769P3	0.8867278	-1.0342325	1.1065402	-1.0063046		
DM13702P1	0.8870916	-1.0381582	-1.1932751	1.0338173		
DM14255P2	0.8872147	1.0111029	-1.0636135	1.0158728		
DM01109P1	0.88726014	-1.2385106	-1.0527068	1.0529464	NARS	NM_027350.3
DM09047P4	0.8873281	-1.0346575	-1.0603582	-1.0160468		
DM13519P3	0.88751435	1.07063	-1.029369	-1.0779151		
DM04915P3	0.8875226	1.0280455	1.0306065	-1.0457754	RET	NM_001110099.1
DM00929P2	0.8876255	-1.0228666	-1.07418	-1.0905404		
DM02264P3	0.8877644	-1.0306947	1.1022557	1.0292829	LOC551692	XM_624080.1
DM01155P3	0.8879824	-1.000906	-1.0474077	-1.0090292	CAD	XM_540124.2
DM13230P4	0.88807154	1.1696769	1.1798203	-1.0084524	ISCW_ISCWC	XM_002399761.1
DM13442P1	0.8882082	1.005339	1.0378541	-1.0621599	LOC408301	XM_391852.3
DM15162P4	0.8883391	-1.3219376	1.1594496	1.0583003		
DM00087P3	0.8883741	1.2181628	1.3065742	1.3165946	AMYREL	XM_002048980.1
DM10369P2	0.888458	1.0273626	1.1782125	-1.0979763		
DM10258P1	0.8886895	1.0415646	1.0432886	-1.0328925		
DM11693P3	0.88875514	-1.1513946	-1.1125593	-1.1610998		
DM01933P3	0.88889945	-1.0356094	-1.0078012	-1.0608886	DVIR\GJ1850	XM_002059362.1
DM02410P1	0.8890508	-1.0148456	-1.0732884	1.0343022	DANA\GF190	XM_001966893.1
DM02338P2	0.88923275	-1.037001	1.0354618	-1.0886841	LOC662941	XM_969010.2
DM04672P4	0.8894487	1.0472908	1.0708938	1.0163038		
DM06667P1	0.8894503	-1.0774035	-1.1524572	-1.0029297		
DM11517P2	0.8895117	-1.053101	-1.0146185	-1.0143505		
DM04691P3	0.8897935	1.0515496	-1.0119452	1.133254		
DM05611P2	0.89012194	1.0433136	-1.0346026	-1.1632073		
DM15110P1	0.8901483	-1.1551753	-1.0419351	-1.0804969		
DM02940P3	0.8902876	1.0842773	1.090202	-1.1422936		
DM14201P4	0.89043695	1.1163825	1.1544967	1.2082734		
DM02268P3	0.8904407	-1.0491642	1.0706937	-1.0502164	COPS7A	XM_001162694.1
DM14022P2	0.8904723	-1.2222118	1.1256565	-1.3102317		
DM09722P1	0.8909564	-1.1129373	1.0647906	-1.1498932		
DM15156P3	0.89121383	1.0588664	1.0977174	1.1861085		
DM13091P3	0.8914787	-1.1427524	-1.2771358	-1.0985389		
DM01418P1	0.8914848	1.0608035	1.0956621	1.0914128	CHGG_08513	XM_001226439.1
DM10404P2	0.89173806	-1.0151953	1.2117411	1.0934733	LOC726700	XM_001122423.1

DM06050P2	0.8921148	1.1092582	1.0520958	1.1939801	
DM13228P2	0.89212346	-1.0897148	1.0387136	1.0075856	
DM08051P1	0.8922191	1.1125251	-1.0313684	1.1099938	
DM04661P3	0.89222217	-1.0779763	-1.074393	1.0295652	
DM06508P2	0.8922987	1.1568033	1.4473097	1.0081117	
DM08569P2	0.8923795	1.2068615	1.440438	1.3233967	
DM00718P2	0.89333063	-1.0507432	1.012342	-1.0418217	DANA\GF113.XM_001960771.1
DM10017P3	0.8936136	-1.0116082	1.1287751	1.1222907	
DM13216P1	0.8936663	1.1280985	1.09929	-1.0701977	
DM06477P1	0.89367896	1.0241611	-1.040095	1.0850694	
DM08474P1	0.8937064	-1.1152557	-1.0746764	-1.1238756	
DM11919P1	0.89382684	-1.1879032	-1.1382716	-1.1363618	
DM10489P1	0.8938507	-1.0219561	-1.2071419	-1.0276817	
DM05942P3	0.8938924	1.0250055	-1.1136434	-1.1377277	
DM08368P3	0.89391863	-1.0079261	-1.1386566	1.0373588	
DM12999P2	0.8939861	1.1084814	1.0274119	1.1899742	
DM13302P3	0.8940805	-1.3036844	1.0177495	-1.2026808	
DM10705P2	0.8940843	-1.035413	1.0374047	1.0637856	
DM14589P1	0.8941121	1.069941	1.1672727	-1.0707657	
DM07832P3	0.89421797	-1.142327	-1.0061059	-1.062577	
DM02676P2	0.89428353	-1.2051224	-1.1495383	1.0034564	SNAP XM_001654633.1
DM00234P4	0.89430976	-1.0209868	1.0234164	-1.0441893	DPSE\GA212\XM_001360247.2
DM08826P1	0.89438885	-1.0498104	-1.0985152	1.0167775	
DM05395P3	0.8944118	1.3732889	1.112045	1.0640826	
DM13275P2	0.89446306	-1.0388749	-1.0045137	-1.0318521	
DM12688P3	0.895032	-1.0000875	1.037675	-1.0127994	
DM08604P1	0.8952688	-1.0114849	-1.0758775	-1.0846995	
DM01042P3	0.89532095	-1.0785503	1.0225759	1.0186038	BRAFLDRAFT_XM_002586200.1
DM02796P1	0.8953922	1.2186847	1.078955	1.0699015	
DM11423P3	0.8957209	1.0969778	-1.029143	1.0668991	
DM13891P1	0.8958524	1.0361828	1.0876089	1.0992424	
DM08679P3	0.8959327	-1.0378665	1.0014229	1.0142992	
DM01836P2	0.8961715	-1.0175009	-1.138684	-1.1857353	
DM13608P1	0.8961724	1.1357397	-1.0240873	1.0107442	
DM00482P3	0.89633596	-1.1073481	-1.0704294	-1.0482333	CALR XM_001657698.1
DM09263P1	0.8964099	-1.0405637	1.1431434	-1.0667939	
DM02826P1	0.8964279	-1.0240904	-1.0393386	1.0102556	LOC551775 XM_624161.2
DM06799P4	0.89654404	-1.0319344	-1.0077609	1.0957395	
DM10202P3	0.8966257	1.0406659	1.0034494	-1.0423396	
DM06353P1	0.89672107	1.1386775	1.1037912	1.1362358	
DM05472P4	0.8969052	1.0426742	1.0467321	-1.000063	
DM10305P2	0.8969984	-1.0975901	1.0051851	-1.2151659	
DM10638P1	0.89704525	1.0340345	-1.134665	-1.0133531	DGR1\GH136.XM_001993079.1
DM02002P1	0.89705575	-1.2698599	-1.1835147	-1.109352	LOC588461 XM_788143.2
DM02333P3	0.8971324	-1.005288	-1.1369361	1.0056082	LOC411538 XM_395009.2
DM04440P3	0.8971641	1.045405	-1.0386548	-1.089984	
DM14881P2	0.8972482	1.0141574	1.1237657	1.0302559	
DM01425P1	0.89743847	-1.1267761	-1.0757562	-1.0630805	NEMVEDRAFT XM_001628155.1
DM00407P4	0.89771646	-1.1232129	-1.0792836	-1.0178354	MARS NM_200076.1
DM05043P3	0.89779276	1.0707222	1.0688999	1.0636332	

DM15476P4	0.8979152	1.1295105	-1.1753389	1.0847428	
DM14989P4	0.8980296	-1.0250285	-1.1201463	1.0652146	
DM13566P3	0.8980399	1.0183992	-1.0510038	-1.0619862	PHKGAMMA XM_623110.2
DM08967P3	0.89805543	-1.0125302	-1.0697663	1.041682	DMOJ\GI2352 XM_001998608.1
DM13206P3	0.8981836	1.0089217	-1.0609463	-1.0590905	
DM07825P1	0.89819056	1.0400238	-1.1434871	-1.0278621	
DM07756P4	0.89822084	-1.075598	-1.0414865	-1.2525371	
DM14032P1	0.8982971	1.1438392	1.0272408	1.0909709	
DM04690P1	0.89841914	-1.1210502	1.0396165	-1.1711873	DMOJ\GI2089 XM_002006134.1
DM08630P1	0.898619	-1.0989839	-1.0687071	1.0603905	
DM13806P1	0.89868313	1.2698661	1.2483478	1.2746626	
DM09392P1	0.89870334	1.3736683	1.323909	1.0546818	
DM13264P4	0.89874446	-1.036691	-1.0111127	1.0749543	AGAP_AGAP0 XM_308033.4
DM05380P4	0.89881885	1.051075	-1.0096837	1.0752412	
DM01399P2	0.8989642	-1.1273032	-1.004728	-1.1805674	
DM05115P2	0.899049	1.1672595	1.1848061	1.0873665	
DM03920P3	0.8990922	-1.0301054	-1.1176397	-1.0230167	LOC1001665: XM_001949252.1
DM13429P2	0.89916277	-1.0671006	-1.0517278	-1.0779798	PF14_0450 XM_001348588.1
DM01136P1	0.8992194	1.1063284	1.0592744	-1.001027	DVIR\GJ1460 XM_002051120.1
DM05444P1	0.8992531	1.1245711	-1.0055785	1.080903	
DM02165P1	0.89927113	1.132705	1.249586	1.1364628	
DM10841P2	0.8993092	-1.0071065	1.085013	1.0153586	
DM13681P1	0.8993178	-1.068501	1.1052945	1.0846244	
DM07293P1	0.8993417	-1.0841963	-1.0822035	-1.1504087	LOC1000809: XM_001511783.1
DM08768P2	0.8994496	-1.1644892	-1.0729667	-1.1165365	LOC1000136: XM_001363506.1
DM13351P1	0.89946514	-1.0829732	-1.0218239	-1.0970967	LOC1001994: XM_002160017.1
DM09655P1	0.89955586	-1.0816358	1.0123491	1.1115022	GNPDA1 NM_001080287.2
DM00518P3	0.89964193	-1.0355496	-1.0995668	1.0372468	DPSE\GA258: XM_002132505.1
DM02526P3	0.8996714	-1.0692228	1.0211648	-1.0468547	PI4KB XM_540314.2
DM05652P1	0.89981353	-1.1331382	-1.1408424	1.0099981	
DM11341P2	0.9002843	1.0408788	1.0328157	-1.0351161	
DM09493P1	0.90032434	-1.104947	-1.1656104	-1.113301	
DM03225P4	0.90039545	1.1142143	1.1226516	1.0626439	
DM13833P2	0.9004034	1.0954555	1.2137566	1.0166204	
DM10953P1	0.90050524	-1.0531399	1.2798375	1.0278665	
DM13905P2	0.9005277	1.0236158	1.0862495	1.0495934	
DM02692P2	0.90058285	-1.1227152	-1.2164468	-1.4538859	LOC578233 XM_001196912.1
DM14416P3	0.9008896	1.0889665	-1.0130974	1.1771533	
DM02697P3	0.9008986	1.1626042	-1.0078565	-1.02527	DGRI\GH153: XM_001983882.1
DM11002P1	0.9009819	1.1752483	1.0081444	1.0396812	
DM06129P1	0.90133	-1.1274397	-1.1361743	-1.1304201	LOC581807 XM_781790.2
DM15245P2	0.90170443	-1.070215	-1.0814025	1.0267905	
DM11151P1	0.90195185	-1.0090208	1.0053927	-1.0450137	
DM04884P2	0.90196085	-1.0267408	-1.0129613	-1.122527	DWIL\GK204: XM_002068396.1
DM13887P3	0.902078	-1.0347525	1.0097643	-1.1498623	
DM08654P1	0.9025317	1.0188328	1.0903678	-1.0590248	CHRO.30098 XM_660291.1
DM11833P3	0.90256196	1.0964957	-1.1041551	-1.0140358	
DM05595P3	0.9026316	-1.0102019	-1.3768299	-1.022063	
DM15281P1	0.9029173	1.0826535	-1.0176686	1.0135176	
DM09280P3	0.9031155	-1.1217382	-1.2464287	-1.133734	

DM03001P4	0.9031533	1.018406	1.016392	1.0929871	LOC1000618	XM_001502623.1
DM10179P1	0.9031985	1.1303853	-1.0004585	1.1941515		
DM13405P2	0.90335286	-1.0837898	1.0094285	-1.2235918		
DM01048P1	0.9034982	-1.0207741	1.1114603	1.0433997		
DM07999P1	0.90361905	-1.0464693	1.021982	-1.0038978		
DM13407P3	0.90418786	-1.052314	-1.0935303	-1.0473169		
DM02298P2	0.9042706	-1.019573	-1.081354	-1.0457724	SLC25A11	NM_022398.1
DM13936P1	0.9042982	-1.1889436	-1.2157526	-1.1805104		
DM02588P1	0.90451545	-1.0169107	-1.0209417	-1.0039519	DGRI\GH195	XM_001990670.1
DM15321P1	0.90452945	1.0215386	1.1327734	1.0220622		
DM03202P4	0.9045639	-1.0126723	-1.1861703	-1.0766714		
DM10880P1	0.9047342	1.1197125	1.0985953	1.1836822		
DM14663P2	0.90478057	-1.0408212	1.000536	1.063355		
DM01517P2	0.90480494	-1.0030649	1.0080031	1.0453447		
DM14750P1	0.9049847	-1.0776196	-1.0325286	-1.0686293		
DM00859P3	0.90541	-1.0358903	1.0796082	-1.1514581	XL64PHR	NM_001087952.1
DM09814P2	0.90548825	1.0566971	1.1734108	1.1621574		
DM07232P3	0.90565175	1.0128279	1.1860783	1.2120807		
DM14421P1	0.90582025	-1.259351	-1.1703608	-1.153983		
DM09244P4	0.90584457	-1.0134013	-1.0782185	-1.0680828		
DM04968P1	0.9059933	-1.0994298	1.0615631	-1.1312217		
DM10828P1	0.90612596	1.0826306	-1.1317904	-1.0520508		
DM04363P1	0.906496	-1.1315517	-1.0269873	1.0050173		
DM09009P2	0.90719867	1.0086421	1.0324126	-1.1448065		
DM05543P1	0.907211	-1.0235384	-1.0056705	1.0326064		
DM09675P1	0.90727866	-1.0241987	-1.0457546	-1.101266		
DM10855P3	0.90754646	-1.1086975	-1.0967795	-1.1704142		
DM01946P2	0.9076675	-1.1420541	-1.1130854	-1.3537549	FGGY	NM_001093701.1
DM00486P2	0.9078337	1.0304623	-1.0408202	-1.174112	ATP1A1	XM_002404017.1
DM14337P1	0.9079677	-1.0863113	-1.1654508	-1.0423617	DPSE\GA177	XM_001361603.1
DM02912P2	0.90799254	-1.0296792	1.0583332	1.0247135		
DM07563P2	0.9080441	1.0561068	1.0000831	1.1186495		
DM13609P3	0.9082994	-1.0702968	-1.131464	-1.0687991		
DM02744P1	0.9087172	1.0386358	1.0729406	1.0254998		
DM14969P3	0.90908164	1.2680249	1.306962	1.1920394		
DM03362P1	0.90921205	-1.0870053	-1.1057688	-1.0040954	RPS18A	XM_001658273.1
DM07179P1	0.9092214	1.0349723	-1.0146197	1.0381778		
DM10789P2	0.90953153	-1.0122349	-1.2604418	1.0290582		
DM02885P1	0.90956223	1.4136893	1.3551763	1.0632522	LOC1001657	NM_001134286.1
DM07562P3	0.9097455	-1.3089129	-1.0519632	-1.230103	DYAK\GE139	XM_002092030.1
DM03188P3	0.90988964	1.0214297	1.1399627	1.1835114		
DM10672P1	0.90989393	1.1064094	1.1006947	1.0686985		
DM11365P3	0.9099403	1.0449028	1.0045584	1.0815436		
DM13178P2	0.9099567	-1.010615	-1.1130184	-1.0724262		
DM10462P2	0.9105798	-1.0163765	1.0557196	1.0379335		
DM06048P3	0.91085863	-1.0176876	-1.0551959	-1.0826428		
DM13031P1	0.91089106	-1.0431538	-1.0168203	-1.1161287		
DM09648P1	0.9109795	1.082975	1.0253962	1.0664381		
DM02228P3	0.9111901	-1.0132384	1.0254074	-1.0423927	TAL	XM_397306.3
DM03337P3	0.9112658	1.0491278	1.0167127	-1.1564422	DANA\GF229	XM_001964682.1

DM01253P2	0.9113842	-1.0217266	1.0214999	1.0809455	NEMVEDRAFT	XM_001627009.1
DM07681P1	0.91150993	1.0771832	1.0389622	1.12647		
DM08852P4	0.9115779	1.0319383	1.0363184	-1.0370702		
DM12502P3	0.91170764	-1.2356346	1.0167984	-1.2960086		
DM05254P2	0.911821	-1.0993497	-1.0705345	-1.1348925		
DM06437P1	0.911933	-1.0322912	-1.0359615	-1.064502		
DM11278P3	0.9120493	-1.0696493	1.0952215	1.0439788		
DM01523P1	0.91232634	1.046126	1.1564343	1.0612049	TDH	XM_001656762.1
DM02301P3	0.9125119	-1.0924758	-1.057654	-1.065151		
DM09614P3	0.91259027	-1.0425241	1.028722	1.0627692		
DM07843P1	0.9126194	-1.1469067	-1.1715332	-1.1749386		
DM02895P2	0.91291726	1.0056427	-1.1688623	1.0038404	LUC7L	NM_001080301.1
DM07407P1	0.91293174	1.1790247	1.1565402	1.2371147		
DM03764P1	0.91306806	1.0152595	-1.0258776	-1.0304228		
DM00618P1	0.9132795	1.1066436	-1.1621002	-1.1366787	ISCW_ISCWC	XM_002408619.1
DM09118P1	0.91328824	1.1799589	1.2418437	1.0925153		
DM07667P2	0.91330695	1.0118291	1.2026381	1.0507734		
DM09531P1	0.9133345	-1.0141835	1.0141785	1.155645		
DM15315P1	0.9135442	1.0147352	1.0113237	1.1002105		
DM10430P1	0.91369224	1.1153466	1.0635176	-1.1206697		
DM09433P1	0.9137837	1.0119646	-1.0143884	-1.100832		
DM05347P3	0.91378486	-1.0092328	1.0192608	-1.0567378		
DM05799P1	0.91392905	1.0871488	1.1349674	-1.0259924		
DM07438P4	0.9139473	-1.1887429	-1.2196046	-1.0598656		
DM05465P2	0.9139511	-1.0747932	1.2891829	1.1118526		
DM12428P3	0.91419536	-1.0140319	1.2203933	1.1003228		
DM04977P4	0.9142825	1.1479286	1.2122352	1.0786369		
DM04218P1	0.9144629	-1.1083343	1.0978105	-1.0502268		
DM10173P1	0.9145554	1.0207268	-1.0557256	-1.002142		
DM11444P4	0.914802	1.0837741	1.0229305	1.0495954		
DM00736P2	0.9149002	-1.1885809	-1.2038692	-1.136938	LOC1001588:	XM_001944283.1
DM14580P1	0.9150415	-1.076699	1.0025733	-1.0805062		
DM01398P1	0.9150999	-1.0347806	-1.1373221	-1.0098022	DYAK\GE217!	XM_002094282.1
DM13516P3	0.91513026	1.0156145	-1.022408	-1.179149		
DM11330P2	0.9152167	1.0457468	1.0734386	1.0062921		
DM05456P1	0.91531754	-1.1390625	1.0232863	-1.1141733	SI: DKEY-5G7	NM_001025529.1
DM01411P3	0.91553205	1.0144571	-1.0700101	1.0653878	RNF10	NM_001096369.1
DM00447P1	0.91562223	1.0901489	1.2578691	1.19715	AMYREL	XM_002048980.1
DM13703P3	0.91565055	-1.144141	-1.1261083	-1.1519527	DANA\GF141	XM_001962977.1
DM00639P1	0.91566575	1.0577676	-1.0510329	-1.0000023	ATP1A1	NM_001009360.1
DM14306P4	0.9158409	1.0063918	-1.0869507	-1.0029914		
DM15106P2	0.91588396	-1.1965454	-1.3509159	-1.1330893		
DM05681P4	0.916042	-1.011523	-1.0459448	-1.051642		
DM04897P1	0.91606504	1.0472798	1.1513442	1.088915		
DM06560P1	0.9161412	1.2115536	1.2194744	1.1208369		
DM11338P4	0.91624117	-1.0480037	1.0516778	-1.1500071		
DM04367P2	0.9162483	-1.062065	-1.0241872	-1.0812722		
DM08619P3	0.9162938	1.0174001	-1.0160711	1.0437769		
DM14773P2	0.91642636	-1.0293909	1.0119053	1.1080668		
DM11149P2	0.91673964	1.0267134	1.0756062	1.0773225		



DM09508P1	0.91684145	-1.0503561	1.0201287	-1.0080938	
DM05117P1	0.9168978	-1.0299942	1.1909186	1.0806841	
DM03351P3	0.9169063	-1.0763448	-1.053541	-1.11619	LOC1002838:NM_001156724.1
DM14111P2	0.917095	-1.0477294	-1.0949143	-1.0439095	
DM11917P2	0.91720563	-1.0123082	1.0399991	-1.0529321	
DM07297P3	0.9174585	-1.0524502	-1.1285865	-1.0460645	
DM10667P1	0.91748035	-1.0242634	-1.1166898	-1.1010807	
DM01954P4	0.91753376	-1.0733021	-1.0196791	1.0239846	LOC1001163(XM_001600783.1
DM13635P2	0.917561	1.110324	-1.1386024	1.1003065	
DM08466P1	0.91761726	-1.0686796	-1.0796015	-1.3312243	
DM04734P1	0.9176512	-1.061932	-1.138087	-1.0841558	
DM01115P2	0.917875	-1.0949341	-1.0357797	-1.2594501	LOC657392 XM_001810665.1
DM12898P1	0.91790265	1.0259396	1.0362647	1.0025486	
DM03323P2	0.9179404	-1.051326	-1.0396582	-1.091263	LOC412193 XM_395656.3
DM09949P1	0.91798496	-1.0523438	1.0550493	1.0311364	
DM10783P1	0.9179997	1.133179	-1.0026147	-1.1459364	
DM00252P2	0.9181027	-1.0405463	1.0064025	-1.0568092	DGRI\GH200 XM_001987208.1
DM06795P1	0.91811967	-1.0805392	-1.1121157	-1.1485245	
DM09341P2	0.9181274	-1.042026	1.0322611	-1.135968	
DM06104P1	0.91816866	1.0572379	-1.0065887	1.0572726	
DM06766P3	0.91821975	-1.069103	1.051638	1.0312743	
DM09948P1	0.91823286	-1.2942109	-1.0148599	-1.0563955	
DM03875P3	0.91860336	-1.0772591	-1.0901701	1.0909072	
DM15175P2	0.91862607	-1.1373217	-1.0928704	1.0174873	
DM11069P1	0.91862696	-1.010531	1.0146943	-1.0495139	
DM01215P1	0.91866374	-1.3188262	-1.0140356	1.0717328	
DM12832P2	0.91868263	1.0351496	1.0569321	1.0761675	PC000794.04 XM_739910.1
DM15332P1	0.9190856	-1.376791	-1.1647135	-1.1169163	
DM03788P3	0.91963035	1.126969	1.1495352	1.2333326	
DM03773P1	0.91969055	1.0304468	-1.0204803	-1.0730264	
DM07491P4	0.9198131	-1.0157884	-1.0887588	-1.0935344	
DM09853P2	0.919826	-1.0479149	-1.1219897	-1.070246	
DM11901P3	0.91987324	-1.0315502	-1.0823236	-1.0261933	
DM10624P3	0.91988415	-1.0304554	1.0471021	1.0874553	
DM11481P2	0.9199134	-1.0513333	1.0185142	-1.0229754	
DM12134P3	0.9199649	-1.0567771	1.0958595	1.2013341	
DM08895P3	0.920363	-1.0515394	-1.0180719	-1.0424374	
DM02943P2	0.9204222	-1.0451247	1.1044109	1.0178511	DMOJ\GI116 XM_002008695.1
DM14499P3	0.9204357	-1.2520697	-1.0982841	-1.1364197	
DM03132P1	0.9207474	-1.0234451	-1.1017913	-1.2981205	NEFM NM_001111214.1
DM09315P1	0.9207673	-1.0466336	-1.048488	-1.142675	
DM03589P3	0.9207753	-1.1122919	1.0384815	1.0361377	
DM10755P1	0.9208654	-1.0393416	1.1308892	1.0252159	DVIR\GJ1445 XM_002058462.1
DM08523P1	0.9208667	-1.0954671	-1.2310805	-1.0706174	
DM04035P1	0.9209752	1.0053324	1.0059719	-1.0308453	
DM04589P4	0.92105484	-1.1697023	-1.1052128	-1.1670972	
DM07315P1	0.9214708	-1.0356314	1.0066748	-1.0404947	
DM15011P3	0.9217174	-1.2677524	-1.1738744	-1.1361936	
DM14138P3	0.9218336	-1.0773085	-1.0780089	1.0234219	
DM04912P3	0.9220662	1.0482724	1.0712472	-1.0870308	

DM15318P1	0.9220777	-1.1143354	-1.1963809	-1.0188423		
DM11320P3	0.92215645	-1.0583013	1.0116712	-1.0351208	RPL41	NM_001135910.1
DM15024P3	0.92221516	-1.0076505	1.0073096	1.1427376		
DM03492P2	0.9223545	1.0771451	-1.0563062	1.3547707	LOC409459	XM_392970.3
DM02342P4	0.92235893	-1.0468166	1.0884613	1.1064273	H4	XM_001657213.1
DM04385P4	0.92244625	-1.0349495	1.0394263	-1.1199572		
DM13981P3	0.9224857	-1.0190375	1.1370697	1.2059962		
DM11873P1	0.9225456	1.0836219	1.0427761	1.0541973		
DM13140P1	0.92254937	-1.069509	1.0497931	-1.0889446		
DM13971P3	0.92263997	1.1530068	1.0077206	-1.0673807		
DM03822P3	0.9226657	-1.1244274	1.0264553	-1.1240429		
DM08091P1	0.9228653	1.0009674	1.0264207	1.0532337		
DM06215P1	0.92313755	1.0058239	-1.0640697	1.0008821	AGAP_AGAP0	XM_310789.4
DM06511P1	0.9232284	-1.124818	-1.164122	-1.0844158		
DM10602P1	0.92342937	-1.0238447	-1.1200006	-1.2195165		
DM14557P1	0.92354786	1.0654287	-1.1267323	1.0687274		
DM09129P4	0.92369837	1.0286543	1.0194921	1.174985		
DM07485P2	0.9238062	-1.0709288	-1.0692067	1.0474552		
DM09065P1	0.9239709	1.0598292	1.016551	1.0052229		
DM01281P2	0.92399305	-1.0146997	-1.087497	-1.0800194	LOC576034	XM_776382.2
DM05726P3	0.9240185	1.024388	-1.0195333	-1.0650226		
DM06100P2	0.92442715	1.0120938	1.0083619	1.0770793	DANA\GF149	XM_001961397.1
DM02211P2	0.9246391	-1.0608213	1.1250833	1.2100806	CUTICLE PRO	XM_001659414.1
DM10860P2	0.9247403	-1.0082617	-1.0480123	-1.1012203		
DM11737P3	0.92495537	-1.0396509	-1.0437891	-1.0351665		
DM14438P1	0.9250109	1.1014489	-1.0556896	1.02192		
DM03034P1	0.92513853	1.0369681	-1.0013076	-1.0439268	DSIM\GD109	XM_002081280.1
DM14725P3	0.9251431	1.1585993	1.0235881	-1.0049716		
DM02031P1	0.9252654	1.1679771	1.1068518	1.0593778	DMOJ\GI120	XM_002008065.1
DM10947P3	0.92534846	-1.0237137	1.0193899	-1.0045494		
DM12271P2	0.92543966	-1.0293808	1.1444817	1.0201473		
DM02976P1	0.92563176	-1.0119851	1.0044534	1.0023338	DPER\GL212	XM_002029516.1
DM07477P1	0.92563456	1.0387542	1.1907676	1.0407268		
DM11269P1	0.92563546	-1.0025452	1.0487959	-1.0314473		
DM13745P1	0.925713	1.0259606	-1.0109894	1.0627955		
DM09839P3	0.9258504	-1.0036379	1.047704	1.0422133		
DM05061P2	0.92593133	-1.0385735	-1.0499128	-1.0357784	LOC1000194	XM_001372287.1
DM11622P4	0.92596126	-1.1579386	-1.0645288	-1.1811793		
DM12273P3	0.92597455	1.1749982	1.2721568	1.0371295		
DM02687P2	0.9260695	1.047889	1.0129204	1.0583003	LOC661714	XM_967860.1
DM14548P3	0.9260728	-1.0503246	-1.0748898	-1.124316		
DM11846P1	0.92622197	-1.0778207	-1.1932653	-1.0132296		
DM03413P2	0.9264448	-1.0383884	-1.0283015	1.0800709		
DM02726P4	0.9265104	-1.0194852	1.0151875	1.1843381		
DM06713P1	0.926652	-1.2172587	-1.0464774	-1.1825527		
DM01434P2	0.92668337	1.0161308	-1.0431166	-1.0790786	LOC1000162	XM_001370125.1
DM05570P2	0.92691875	1.0376033	1.0371498	1.1042196		
DM07885P1	0.92694026	-1.0524275	-1.037335	1.0173199		
DM09665P2	0.92708457	-1.0378277	1.0387827	1.0036936		
DM06627P3	0.92712545	1.0530041	1.0337213	-1.1243145		

DM06431P2	0.9271731	-1.2358952	1.0099579	1.0500289		
DM02323P2	0.9274353	-1.0613999	-1.0224953	1.033214	DPER\GL156	XM_002027284.1
DM08342P2	0.9275439	1.0834978	-1.0192431	1.0071748		
DM14518P2	0.92756194	1.0992782	1.0406798	-1.0021087		
DM02960P3	0.92758125	-1.0126511	1.0084882	1.0636641	DBIB	NM_001097111.1
DM12245P4	0.9276338	-1.026877	-1.0492476	-1.0836678		
DM12741P1	0.9277077	1.0095196	1.1226983	-1.058409		
DM14805P3	0.9277164	-1.1974337	-1.0892813	1.0362246		
DM08725P3	0.9277522	-1.1147509	1.1522589	1.0288438		
DM07328P2	0.9277537	-1.0062921	1.0418694	1.1258682		
DM12876P1	0.92793274	-1.1238229	-1.0109713	1.0170138		
DM04115P2	0.92800826	-1.052699	-1.1146731	-1.1204265		
DM13021P1	0.9281319	1.0393735	1.1560225	1.060467		
DM00154P1	0.928159	1.0764813	-1.002123	1.0131886	ISCW_ISCWC	XM_002414671.1
DM07373P1	0.9281688	-1.0206528	-1.0159891	1.0088738	LOC663850	XM_969883.2
DM01834P1	0.92821145	1.0671685	1.0202985	1.0819482	DMOJ\GI153	XM_002009382.1
DM03716P2	0.9287193	1.0306093	1.1453283	1.0410395		
DM10304P2	0.9287866	-1.1494017	1.077196	-1.0224677		
DM14157P1	0.9288673	-1.1628451	-1.0938526	-1.0072432		
DM02720P3	0.9288885	-1.1197277	-1.0461688	-1.1629053		
DM00209P3	0.9289279	1.0169936	-1.0395377	1.0230453	DANA\GF204	XM_001963418.1
DM05248P2	0.9290016	1.1677183	-1.0777283	-1.0248061		
DM12255P3	0.92914563	1.0508503	-1.0423063	1.043744		
DM08316P3	0.92933667	-1.0542787	1.1217846	1.0534		
DM06487P1	0.9294361	1.0465931	-1.0418313	-1.0531195		
DM14347P1	0.92949826	1.0193874	1.0602832	-1.0818068	P2RX4	NM_001140204.1
DM10162P2	0.9295121	-1.0601053	1.000342	1.0096294		
DM13326P4	0.92952764	-1.0513891	-1.050881	-1.0227972		
DM14273P3	0.9299812	1.0249964	1.0925312	1.0927695		
DM05707P3	0.9300314	1.0081532	1.0265093	-1.0053796		
DM07383P4	0.9304248	1.0272077	1.100023	1.1163288		
DM14556P1	0.93061423	1.0198709	1.0408506	-1.0484275		
DM14480P1	0.9308257	1.0012746	1.0098175	-1.0582279		
DM13065P3	0.9308779	-1.0246726	1.0783826	1.0969226		
DM14562P1	0.93098736	1.0245342	-1.1614155	-1.1009355		
DM10611P2	0.93099594	1.0650036	1.0980763	1.1014353		
DM05270P3	0.9310729	-1.0897574	-1.1868261	-1.0809602		
DM01071P4	0.9311365	1.0481063	1.0048926	1.0217451	DANA\GF146	XM_001962081.1
DM04072P3	0.9313143	-1.1581316	-1.1190684	-1.0975577	CG34220	NM_001103783.1
DM07983P3	0.9313628	1.0141165	1.0736988	1.0834184		
DM10105P2	0.931392	1.2753614	1.129665	1.3420405	GSPATT0003	XM_001426894.1
DM07880P3	0.9314066	-1.1379758	-1.1295688	-1.0338511		
DM00409P2	0.931445	-1.0909405	-1.0741262	1.0079983	DMOJ\GI166	XM_002011949.1
DM11528P3	0.93157417	1.0387207	-1.0605874	1.080255		
DM13433P1	0.93164796	-1.0766091	-1.0310348	-1.0466316		
DM06126P1	0.9317983	1.0252202	-1.0207113	-1.0314627		
DM00693P2	0.9318045	-1.0683719	-1.096558	1.0586331		
DM14100P2	0.931806	1.009696	-1.0097092	1.0316299		
DM05977P3	0.93190676	1.0155501	1.0352339	1.0512894		
DM00927P2	0.93211836	1.1303031	1.0864968	1.0272987	TAGLN	XM_001652223.1

DM01449P3	0.9322714	1.2259666	1.0946468	1.1940774		
DM09878P3	0.93259275	-1.0210168	1.0482838	-1.0152754		
DM02725P3	0.9329171	-1.0420015	-1.1494621	-1.1732016	LOC1002232:	XM_002193922.1
DM11760P4	0.93294656	1.1596009	-1.0613136	1.0270649		
DM10600P1	0.93297625	1.0789969	1.0081139	1.0133138		
DM02659P1	0.9329966	-1.0604665	-1.1425496	-1.076298	CHRNA1	XM_001893665.1
DM10870P1	0.93352836	1.1036353	1.052802	1.0174434		
DM10910P1	0.9335806	-1.0115558	1.0220134	-1.0273451		
DM09421P4	0.93361825	-1.0015544	1.1051722	-1.0207106		
DM07786P2	0.9337152	-1.0120889	-1.1054335	-1.1749933		
DM00937P1	0.9338821	-1.0058291	1.0000837	1.0976888		
DM03657P1	0.93400496	-1.1272291	-1.0595564	-1.0698726	ZGC:112146	NM_001017731.1
DM03510P4	0.9340477	1.0419602	1.034611	1.0192407	TRIADDRAFT_	XM_002109500.1
DM08255P3	0.9341111	-1.1643013	1.002453	1.0840993		
DM12922P3	0.93412447	1.05641	1.058137	1.1137792	DWIL\GK173:	XM_002062116.1
DM08293P3	0.934146	-1.0812418	-1.0563216	-1.0175039		
DM04316P1	0.93434095	1.2515066	1.2095999	1.0736134		
DM05534P1	0.9345054	1.1296581	1.0389966	1.1640973		
DM14947P3	0.93455637	-1.0021206	-1.0113755	1.0542188		
DM15287P2	0.9345659	-1.0279365	1.1276727	1.0093161		
DM09813P3	0.93458694	-1.0922954	-1.03324	-1.1475769		
DM10882P1	0.9345963	1.063779	-1.1238464	1.0208396		
DM00763P2	0.9347886	-1.0179764	1.040564	1.0945342	DSIM\GD237:	XM_002078933.1
DM07002P1	0.93495685	-1.0063522	1.0219717	1.0091827		
DM09449P1	0.9349969	-1.0152946	1.0256021	-1.0264244		
DM00040P2	0.93511695	-1.0355139	-1.0139775	-1.0804428	DSIM\GD237:	XM_002078933.1
DM02853P4	0.9352513	-1.0158169	-1.0401852	-1.1175727	CG40045	NM_001043175.1
DM13096P3	0.93527776	-1.040809	-1.1021279	-1.0569826		
DM09113P3	0.9353237	-1.0199996	-1.0740646	-1.0274308		
DM05643P3	0.93553865	1.0033553	1.1626332	1.1040001		
DM01387P2	0.9357246	1.0229012	1.0710689	1.0192727	BIRC2	NM_001093264.1
DM04265P3	0.9361492	1.2570142	1.4102263	1.2077155	LOC1000278:	XM_001378019.1
DM11667P1	0.93622077	-1.0547688	1.0932992	1.0788386		
DM07593P1	0.9362801	-1.080839	-1.0679871	-1.0962747		
DM01599P2	0.93642443	-1.0284511	-1.0552502	-1.0434351	LOC732958	NM_001046956.1
DM02652P1	0.93643457	1.0232931	-1.0554352	1.0041846		
DM14083P3	0.9364854	-1.0630705	-1.1374464	-1.1741153		
DM10921P1	0.9365957	1.1758676	1.2410471	1.1103988		
DM09389P3	0.93668276	-1.072886	-1.1563958	1.2000558		
DM09966P3	0.9367713	1.0368885	1.0484725	-1.0330683		
DM02272P3	0.9368006	-1.0922537	-1.1406947	1.0190166	GSPATT0001:	XM_001450697.1
DM11075P1	0.93682414	1.3304245	1.1370966	1.1447024		
DM06272P2	0.93688464	-1.0134234	-1.0179453	-1.0651971		
DM00562P1	0.93708843	-1.0638201	1.020213	-1.0578024	DRAP1	NM_205541.1
DM09646P1	0.9371764	1.0288123	-1.0482765	1.0899614		
DM08451P2	0.93750125	1.0477312	1.1204149	1.0227872		
DM08926P2	0.93750566	1.1720867	1.1926925	1.1472837		
DM01931P1	0.9375452	-1.1031853	1.1240073	-1.013919	LOC413110	XM_396561.1
DM07257P1	0.93786204	-1.0514457	-1.0030143	1.0685463		
DM13495P3	0.93792754	1.0648934	1.013241	-1.0177816		

DM14628P4	0.9380024	-1.0644348	-1.0846949	-1.1489068		
DM11282P2	0.9383795	-1.1017377	-1.034718	-1.0981274		
DM11818P1	0.93847793	-1.0308746	1.1494553	1.1395247		
DM02512P1	0.93852085	-1.0093306	-1.0321505	-1.1079702	COQ10B	XM_516007.2
DM13068P1	0.93873245	-1.0818509	-1.0776566	-1.1072332		
DM01313P1	0.9388391	-1.1939436	1.010681	-1.0552175	EMID2	NM_024474.2
DM00882P1	0.93886733	1.0168743	-1.0909699	1.0016627	DGRIV\GH230	XM_001995258.1
DM03271P1	0.9390126	-1.0200913	1.0276543	-1.1892921		
DM08049P1	0.9391432	-1.0231266	-1.1399915	1.0042813		
DM11595P2	0.9391503	-1.0637916	-1.0288268	-1.0522361		
DM10308P4	0.9391626	1.0078466	-1.0807722	-1.1741897		
DM00308P4	0.9392492	1.0013796	-1.0286001	1.022555	NEDD4	XM_395191.3
DM14778P3	0.93935215	1.0455455	1.0707324	1.1060677		
DM00574P1	0.9393776	-1.0452224	-1.0200095	1.1517015	TUB	XM_001656493.1
DM12947P1	0.93957305	1.0655442	1.0494431	1.0400879		
DM03704P3	0.9395962	-1.0093411	-1.011319	-1.0451913		
DM12991P2	0.9396617	1.0410953	1.0661457	-1.0608473		
DM03871P3	0.93991476	-1.1164199	-1.0939994	-1.0982627	LOC412363	XM_395824.3
DM09201P3	0.93999267	-1.0478451	-1.0098268	-1.0731455		
DM04810P1	0.94000053	-1.0308788	-1.0711721	1.0332994		
DM00148P1	0.94000244	-1.0263842	-1.0341619	-1.0549968	BRAFLDRAFT	XM_002588075.1
DM05941P1	0.94000953	1.0187893	1.0328484	-1.0022659		
DM05374P1	0.94029534	1.0269638	1.0330498	-1.0042533		
DM03488P1	0.9403164	1.0655408	-1.0143138	-1.0545199		
DM05333P1	0.9404201	-1.2039193	1.0169066	-1.0444514		
DM13464P2	0.9404681	-1.022666	-1.0637032	-1.0604099		
DM06999P3	0.94068325	-1.0710618	-1.0517964	-1.0064436		
DM04022P1	0.9407084	-1.0348109	-1.1147767	-1.0647025	LOC587847	XM_787557.2
DM04321P1	0.94071895	-1.0210046	1.075093	-1.02276		
DM11831P3	0.9407233	1.1220181	1.0631762	-1.000081		
DM09562P3	0.9410621	-1.0440121	1.0016118	-1.077319		
DM10023P2	0.9412786	-1.1024443	-1.0393507	-1.0533133		
DM10969P2	0.94131565	-1.1212832	-1.1451056	-1.0292803		
DM01627P1	0.9414976	1.008516	1.001123	-1.0155979	DMOJ\GI2152	XM_002010722.1
DM04994P1	0.941635	-1.0345683	-1.0274317	-1.1415172		
DM10458P1	0.941977	1.0464206	1.010242	1.0700449		
DM04809P1	0.94200534	-1.0424352	-1.0177104	1.0234144		
DM02547P4	0.94200927	-1.0361036	-1.0425748	-1.030025	LOC1002289	XM_002190411.1
DM12109P1	0.94219625	-1.1198984	-1.0578719	-1.1449784		
DM08477P3	0.94224745	-1.0473024	1.0166616	1.1779443		
DM04222P3	0.94229037	1.0533108	1.0504564	-1.0179952		
DM14977P3	0.9430887	1.0022305	1.0804489	1.0175933		
DM10299P1	0.9431469	-1.0932395	-1.1051706	-1.1416644		
DM14240P2	0.9433127	-1.0571284	1.0756191	-1.0622298		
DM01973P1	0.9433373	1.081732	-1.041119	1.0162606	LOC592480	XM_792000.2
DM12019P1	0.9433842	1.0168809	1.0222971	1.1423717		
DM15285P1	0.94370097	1.0751307	1.0077863	1.0027264		
DM07508P1	0.94376785	1.0239625	-1.1463592	-1.1083913		
DM06626P2	0.9437824	-1.2338262	-1.02671	1.2026405		
DM13866P2	0.9439252	1.0063262	1.1107886	1.1207182		

DM03321P1	0.9440702	-1.1585345	-1.0929534	1.0180882	OSTLU_5014:XM_001418834.1
DM05988P3	0.9442	-1.0093572	-1.0412909	-1.0282617	LOC410396 XM_393876.3
DM08815P1	0.9442681	1.2112162	1.1111636	1.081127	
DM05940P2	0.9442973	-1.056879	-1.0272577	-1.0541122	TMEM50A XM_001138153.1
DM10809P2	0.94436526	1.073056	1.039583	1.0304348	
DM06637P1	0.94450384	1.0906384	1.0198783	1.109211	LOC1001196:XM_001603320.1
DM06207P1	0.944568	1.0197412	-1.046411	1.0202878	LOC732924 NM_001046924.1
DM09619P3	0.94517213	-1.0957342	1.0435948	-1.0221361	
DM13816P3	0.945276	-1.0535529	1.0467616	-1.037629	
DM03953P3	0.9456089	-1.0158411	1.0410124	1.0769335	
DM08989P2	0.94563496	-1.0554559	1.0710585	-1.0649897	
DM01076P3	0.9459652	-1.014432	-1.0574658	-1.0857904	LOC659839 XM_966107.1
DM15007P1	0.9461533	1.0410669	1.0118088	1.066382	NCU07218 XM_952350.1
DM10932P1	0.9462778	1.0712049	1.0540197	1.0636184	
DM11349P1	0.94631064	-1.0822003	-1.0733426	-1.1020747	
DM03004P1	0.9465242	1.0009413	-1.0234133	-1.0267844	
DM10327P3	0.94660705	1.1465772	-1.0764811	1.0605929	
DM15033P1	0.94667953	-1.0154363	1.0523651	1.0497746	
DM08069P1	0.9467364	-1.0065417	-1.0028163	1.0416356	
DM09923P1	0.9467926	1.1193521	1.1212918	1.161944	
DM13725P2	0.94680417	1.0452434	1.0024164	1.0062358	
DM05730P2	0.94699985	1.0269859	1.0207653	1.0168873	
DM08682P2	0.9470122	-1.0255781	1.0214907	1.0085151	PB000119.00 XM_672004.1
DM02528P1	0.9472931	-1.0589999	-1.0574747	1.0068982	LOC733113 NM_001047060.1
DM04479P2	0.9475273	-1.0337925	-1.0943383	-1.0229019	
DM12005P1	0.9475505	-1.0397525	-1.1006387	-1.0668217	
DM13721P2	0.9477201	-1.0543904	1.0727596	1.1030366	
DM14031P2	0.94772255	1.047621	1.0209955	1.0170231	
DM14152P2	0.9482207	1.039729	-1.0058167	1.0239495	
DM10811P1	0.9484745	1.1386318	1.0926689	1.014225	
DM08447P1	0.94872606	1.2265323	1.057558	1.1362559	
DM03075P1	0.94883287	-1.0867478	1.0098279	-1.0084907	LOC1000309:XM_001380304.1
DM10500P1	0.94887835	1.0279799	-1.1075114	-1.0888102	
DM14574P1	0.9489881	-1.0879539	-1.0222709	1.1344904	
DM05669P2	0.9491828	1.0898371	1.0291597	1.0810579	
DM00661P3	0.9494776	-1.0458642	-1.0966461	1.0205657	
DM10679P1	0.9495419	1.0894437	1.0442439	-1.0148132	
DM05985P1	0.9495745	1.0408317	-1.039969	-1.0541599	
DM00880P3	0.9496483	-1.0553182	1.047041	-1.1561791	ASAH2 NM_001007763.1
DM02797P1	0.9496808	-1.0440129	-1.0714978	-1.0302877	
DM13601P4	0.95001996	1.1383896	1.0074098	-1.060151	
DM12256P2	0.9500598	-1.0054829	-1.0280023	-1.0243495	
DM03751P4	0.95009565	-1.0886954	-1.1169642	-1.1869813	
DM05527P1	0.9504758	-1.0077716	-1.0356083	1.0805693	
DM09603P3	0.9504776	-1.0273961	-1.0567062	-1.132774	SYTI NM_001160200.1
DM03532P3	0.9507842	1.01972	-1.0166322	-1.0097507	
DM02050P3	0.9510333	-1.0182458	-1.0302811	-1.015592	LOC494642 NM_001094490.1
DM08272P1	0.9514455	-1.015027	1.0099975	1.014455	
DM08916P2	0.9515681	-1.0991073	-1.0501137	1.0030242	PGI NM_165636.1
DM10205P1	0.95161927	-1.1096451	1.0169672	-1.1187747	

DM14594P3	0.95162046	1.0326132	1.0019306	1.060709		
DM11521P3	0.9516556	-1.1812451	-1.0443836	-1.0718788		
DM07680P3	0.95172614	1.0430586	-1.083682	1.0835329		
DM14360P1	0.9519784	-1.0215746	-1.0719731	-1.0654616		
DM03448P1	0.9523758	1.1229198	-1.0009475	1.0498675		
DM06614P1	0.9525218	-1.03897	1.0351301	-1.1341939		
DM09097P3	0.9525491	-1.0351237	-1.0640965	-1.091305		
DM04728P1	0.9526063	1.0111653	1.1023446	1.0187198	LOC551653	XM_624043.2
DM02552P3	0.95267886	-1.1085614	1.0216919	-1.0825689	LOC657915	XM_964341.2
DM14531P1	0.95274526	-1.0051191	1.104278	1.0156037		
DM03047P2	0.95281833	1.0694611	1.1787102	-1.027846		
DM08298P1	0.9528221	1.0393046	1.0762953	1.1462988		
DM10726P2	0.9528831	1.0051265	1.0850564	1.0252254		
DM02515P3	0.953023	1.1200863	1.006351	1.0524385		
DM01650P3	0.953181	-1.1207222	-1.153213	-1.1777197	LOC576726	XM_777001.2
DM05050P1	0.9532055	-1.0472713	-1.0182613	-1.0452355		
DM04256P3	0.95335674	1.0171391	-1.1795996	1.0740949	LOC1000878	XM_001517660.1
DM01888P2	0.9535859	1.0905899	1.1011314	1.1197114	NEMVEDRAFT	XM_001633433.1
DM01390P3	0.9535908	-1.0599359	-1.0122719	1.0077405	LOC655128	XM_961637.2
DM01734P2	0.95359117	-1.0214095	-1.0140843	-1.048496	UQCRFS1	NM_001172339.1
DM01925P1	0.9537522	1.0277467	1.0200028	-1.0396663	HGD	NR_027778.1
DM04444P1	0.9539229	1.0076711	1.0101104	1.0525836		
DM11827P4	0.9541917	1.0706375	1.0505111	1.041113	SULT1C3	XM_001134662.1
DM08318P2	0.9542461	-1.0105932	-1.0188798	1.0197287		
DM03790P2	0.9543717	-1.0308138	-1.0710033	-1.0253555	AT4G28570	NM_118999.3
DM02715P4	0.95439976	1.0423474	1.0531522	1.0768573	LOC1002092	XM_002156138.1
DM13758P3	0.9544712	-1.0562347	1.0809526	1.0495815		
DM09750P3	0.95452315	-1.0281538	1.0371547	-1.0215384		
DM14037P1	0.95472866	1.0851555	-1.0503501	1.0602682		
DM10330P2	0.9547448	1.1179383	1.2393274	1.079303		
DM12513P4	0.9548371	-1.0089942	-1.0759503	-1.0710299		
DM13593P1	0.9549528	-1.1940252	-1.1204572	-1.1158704		
DM10060P1	0.95513356	1.0416322	-1.0214027	1.0277592	LOC1002088	XM_002155416.1
DM02467P1	0.95513994	-1.0472944	1.0051116	1.069499	LOC552145	XM_624524.2
DM10463P4	0.9551415	-1.015062	1.0906724	1.0445797		
DM11650P2	0.9551557	1.0049007	1.0260994	-1.0609367		
DM03688P1	0.9554491	1.1399118	1.122352	1.0899341		
DM05105P2	0.9557409	-1.1306899	-1.1522216	-1.0293602		
DM03785P3	0.9557685	1.0668523	1.0513328	1.1595716		
DM04987P1	0.9561107	1.1074156	1.0681268	1.1619967		
DM01293P1	0.9561296	-1.1026387	1.0503082	1.0234303	DWIL\GK248	XM_002067036.1
DM06217P3	0.95621574	1.0224521	-1.0238113	-1.0555923		
DM05801P3	0.9562809	-1.0525557	1.0011371	-1.0052116		
DM11577P3	0.95648396	1.0505329	1.0134678	-1.0074744		
DM08961P1	0.95658934	1.0367342	-1.0211277	1.0317748		
DM06512P3	0.95659816	-1.0097685	-1.0234956	1.0004383	DSIM\GD157	XM_002107049.1
DM03199P4	0.95659935	1.0380507	1.0126512	1.1530951	LOC1001141	XM_001598967.1
DM10767P3	0.9566066	1.0509346	1.0965911	1.0909663	DWIL\GK248	XM_002067036.1
DM09767P2	0.95662045	-1.0007149	-1.0473933	1.0152005		
DM13975P2	0.9567738	-1.0707377	-1.0290729	-1.0138775		

DM10250P3	0.95682853	-1.0197414	1.0045098	-1.2095042	DWIL\GK181\XM_002066383.1
DM09621P2	0.9570609	-1.0488268	1.0450978	1.1097202	
DM11555P3	0.95716894	-1.1121205	-1.0849584	-1.123674	
DM12864P1	0.95723754	1.0045758	-1.0225928	-1.0650715	
DM14962P1	0.957326	1.0419282	1.0160753	-1.0205007	
DM00942P3	0.957397	-1.119741	-1.1063188	-1.0850052	LOC1001851\XM_002122737.1
DM12822P4	0.95743316	-1.0473595	-1.0377853	-1.0883696	
DM01404P2	0.9574519	1.0352951	1.0532801	-1.004043	PRKRIP1 NM_001161897.1
DM04281P4	0.9575148	1.021278	-1.0283822	1.0639235	
DM00605P4	0.95757043	-1.105759	-1.0247258	-1.0895193	AAEL_AAEL\XM_001654119.1
DM13657P2	0.9577139	1.0290864	-1.0150115	1.0758457	
DM00230P2	0.9577202	-1.0023457	-1.0079219	1.0444155	AAEL_AAEL\XM_001651898.1
DM07100P1	0.9580746	-1.0661386	-1.0076976	-1.0477638	
DM00634P3	0.95815426	-1.1239597	-1.1728046	-1.1139553	DERE\GG203 XM_001980078.1
DM14311P4	0.95818514	-1.0500461	-1.0184069	-1.0649117	
DM04575P4	0.9582636	-1.0611594	-1.144953	-1.1667869	
DM05607P2	0.9583568	-1.0074111	-1.0092969	-1.0353894	
DM03586P3	0.9584568	-1.0391723	1.10248	1.0173936	TFIIB XM_395432.3
DM08390P3	0.9585366	-1.115373	-1.2120357	-1.0914477	
DM13470P1	0.9586365	-1.2064435	-1.0801032	-1.0821246	
DM01410P1	0.9587977	-1.001177	-1.0142871	-1.0708843	DSEC\GM167 XM_002041509.1
DM12111P2	0.95883733	-1.040729	1.0750136	1.0268734	
DM10734P1	0.9589241	-1.1244881	1.0233188	-1.0785693	
DM02867P2	0.95894176	-1.009703	-1.0558654	-1.1397363	
DM08339P2	0.95898557	1.031764	1.0464029	1.0852149	
DM08690P1	0.9590174	-1.1314406	-1.2154425	-1.1095929	
DM04366P1	0.9590977	1.0581921	1.0040244	1.0583596	CYP2U1 XM_782373.2
DM00249P2	0.95920855	1.0247688	1.0493972	1.0847303	LOC657452 XM_963912.1
DM03864P2	0.95921427	-1.0491285	-1.0286903	1.0045855	
DM10102P1	0.9593948	-1.1142915	1.0628357	-1.0504757	
DM09900P1	0.9595134	1.0409417	1.06825	-1.0198873	
DM03398P1	0.9598332	1.1188004	1.0326207	1.1589378	
DM04186P1	0.9600198	-1.0108584	-1.0681807	1.0328681	
DM08009P2	0.9600434	-1.0000063	-1.093819	1.1044123	
DM00068P2	0.9601795	-1.0112534	1.0519542	1.0688553	DYAK\GE172\XM_002100713.1
DM11126P1	0.96037984	1.0194087	-1.0313822	1.008418	
DM04291P4	0.960407	1.1467513	1.0864842	1.1462116	
DM05802P1	0.96046394	-1.0086483	-1.0020496	1.078885	
DM00894P1	0.9605979	-1.0342336	-1.1163127	-1.0543422	
DM04872P1	0.96067506	-1.0115807	-1.0102594	-1.0495857	
DM06896P3	0.9606991	1.0177187	-1.1156313	-1.1741952	
DM10415P1	0.96074194	1.0412663	1.0737442	1.0737802	
DM00016P1	0.9607927	1.0740092	-1.0013462	1.0030222	AAEL_AAEL\XM_001659470.1
DM07289P2	0.9608899	-1.0076834	-1.02323	-1.040406	
DM10125P2	0.96103406	1.0992974	1.1278555	1.112325	
DM06082P2	0.96103597	1.0313292	1.0120783	-1.0247082	
DM13851P3	0.96107745	-1.1820918	-1.13947	-1.0217968	
DM07371P3	0.96114135	1.0375687	1.0271497	-1.0138826	
DM03077P1	0.96121585	-1.0272691	-1.0227636	-1.0479817	MDH2 NM_008617.2
DM06160P3	0.9614817	1.1321667	1.2337462	1.1051537	DANA\GF126 XM_001958992.1



DM03064P3	0.96173793	1.0295132	-1.041781	-1.0385082	LOC1001353(NM_001114039.2
DM14948P4	0.9617506	1.0054034	-1.0405365	-1.0377574	
DM05722P1	0.96177346	-1.1168448	1.0261189	1.0055776	
DM04235P1	0.96185106	-1.035966	-1.0062181	-1.0313265	LOC559627 XM_678531.3
DM00662P1	0.9620333	1.0540208	1.0070013	1.0034246	DVIR\GJ1362 XM_002047751.1
DM15336P1	0.96213615	-1.0096123	-1.0744034	1.0095237	
DM07370P2	0.9622291	1.0664182	-1.0075145	-1.0246037	
DM06580P3	0.9625008	-1.0799198	-1.0315578	-1.08557	
DM07734P1	0.9625371	1.0627686	-1.0680254	1.0348146	
DM07663P3	0.9627645	-1.0576423	-1.0063024	-1.027529	
DM10473P2	0.96278095	1.064013	-1.0247331	1.0104371	
DM05127P3	0.9629906	-1.1115896	-1.2246906	-1.0197659	
DM06012P3	0.9632042	1.0664847	1.0682567	-1.0306883	
DM14515P3	0.9632896	-1.2215626	-1.0083687	-1.2471957	
DM06254P1	0.9633209	1.0004504	-1.036329	1.0405048	
DM08808P4	0.96332234	1.1133815	1.2069952	1.198959	
DM09992P3	0.96344614	1.0241368	-1.0771503	1.011961	
DM03530P1	0.9637396	-1.1110619	-1.0300564	-1.145862	NEMVEDRAFT XM_001640486.1
DM04751P1	0.9639718	-1.0225362	1.0194068	1.055883	
DM12627P3	0.9639791	1.0030867	1.0857301	-1.027289	
DM14928P1	0.96409917	1.0193448	-1.0323843	-1.0472817	
DM14732P3	0.9641935	1.0721158	1.0566347	1.0432688	
DM12841P1	0.96419626	1.0015757	-1.0386297	-1.0693728	
DM02175P2	0.96425223	-1.0514603	-1.0724915	-1.0371667	
DM14410P1	0.9644587	-1.0782167	-1.0039065	-1.014625	
DM02537P4	0.9644651	1.0980064	1.0416001	1.1024386	LOC451764 XM_508940.2
DM07938P1	0.9645156	-1.0842166	-1.0645213	-1.0452183	
DM05774P1	0.9647514	-1.1828809	-1.1692489	-1.238173	
DM09922P1	0.9647518	-1.0086519	-1.1860211	-1.1424446	
DM14027P1	0.96485734	-1.0495502	-1.1043911	-1.0482863	PKH_011570 XM_002257617.1
DM05526P1	0.96487355	1.0526172	-1.0342466	-1.0668772	
DM13227P1	0.9649088	1.0950804	1.1643851	1.1213123	
DM14834P3	0.96503896	1.0153819	-1.081927	1.0189584	
DM13353P4	0.96518433	-1.1340067	-1.1148192	-1.0849323	
DM04451P1	0.9652714	-1.0758847	1.0103654	-1.1698978	
DM04546P3	0.9653436	-1.0130316	1.0141196	1.1010288	CPIPJ_CPIJ01 XM_001864429.1
DM12258P3	0.96541893	-1.044229	-1.0335009	1.0106862	
DM03038P3	0.9655163	1.0238699	1.0317576	-1.0984088	
DM14319P2	0.9656936	1.0153161	1.0223427	-1.0336218	
DM12463P3	0.9657722	1.0128545	1.1442505	1.0880526	
DM10927P1	0.9662076	-1.0515382	-1.0388976	1.0166103	PY03308 XM_726211.1
DM14899P2	0.9662469	-1.0253519	-1.0962632	-1.0662211	
DM14334P1	0.96634585	-1.066355	-1.0801482	-1.075028	
DM07225P2	0.9663588	1.0099225	-1.1369652	-1.0324094	
DM05143P2	0.96642977	-1.246026	-1.0188118	-1.1236265	
DM02428P2	0.9664666	-1.071895	-1.0569613	-1.0143863	DPSE\GA288(XM_002134012.1
DM13151P2	0.9664996	-1.0154165	-1.0869443	-1.006361	
DM00601P1	0.96655333	-1.0688602	1.0264263	-1.0314058	NAGA XM_001650856.1
DM15322P3	0.9672839	-1.0023661	1.014365	-1.1033037	
DM01814P1	0.96733636	-1.2228096	-1.1271493	-1.066541	AAEL_AAEL0C XM_001657732.1

DM09804P2	0.96754074	1.0385969	1.0507319	1.0381745	LOC1001780:XM_002128908.1
DM04580P2	0.96767366	-1.0310856	1.018387	-1.0280619	
DM05683P1	0.9676856	-1.0076923	-1.1182113	-1.0781647	
DM01141P3	0.9678679	1.0323869	1.0179099	-1.0156851	
DM08296P2	0.96791303	-1.0177524	-1.0391046	-1.0045733	
DM06705P1	0.9683352	1.0871861	-1.0879301	-1.0225712	RPL19 NM_001043756.4
DM07807P4	0.96845275	-1.0773718	-1.0318346	1.1211845	
DM03979P1	0.96863353	1.008398	1.010706	-1.0329479	
DM13848P1	0.96865034	-1.021366	-1.0698018	-1.2070965	
DM11569P4	0.9688185	1.0350765	1.0197703	-1.0003821	
DM07437P3	0.9688431	-1.0510567	-1.012082	-1.016988	
DM08352P1	0.96885544	-1.0111631	-1.0074997	1.0270276	
DM04076P1	0.96889436	1.0319861	1.1091346	-1.0126587	LOC1002074:XM_002167925.1
DM02160P1	0.9690217	-1.0767926	-1.1265066	-1.1408403	LOC576659 XM_776942.2
DM01812P1	0.969024	-1.0284721	-1.0633919	1.0471401	
DM00430P3	0.96910113	1.0226309	1.0639176	-1.0082941	DMOJ\GI105\XM_002001045.1
DM07494P3	0.96919334	1.0819552	1.1809033	-1.021399	DVIR\GJ2018 XM_002050439.1
DM05728P3	0.96930844	-1.0300362	-1.0435609	-1.0437701	
DM03786P1	0.9693582	-1.0114517	1.0776914	1.0246627	
DM04029P3	0.9698032	-1.0932832	-1.0771471	-1.0896965	
DM10044P1	0.9699259	-1.0921865	-1.0411187	1.0088755	
DM06360P3	0.9700061	-1.0402863	-1.0205048	-1.0286474	
DM03831P3	0.9700312	1.0282999	1.032621	1.031758	
DM13627P1	0.97019917	-1.0648327	1.0030698	-1.01464	
DM00060P1	0.9701995	-1.0346235	-1.1112422	-1.0399386	LOC657804 XM_964239.2
DM10170P3	0.9702986	-1.0257988	-1.0444765	-1.0455122	
DM08532P1	0.97033787	1.046776	1.0174332	-1.022897	
DM14780P1	0.9705583	1.0232834	1.0244092	-1.0645419	
DM03169P2	0.9709791	1.012188	1.0422148	1.0189335	MAN2A1 NM_012979.2
DM00709P3	0.97102034	-1.1243807	-1.0419798	-1.0485718	LOC1002123:XM_002157003.1
DM00437P3	0.97108024	-1.0071217	1.0175023	1.0145037	DERE\GG174 XM_001980908.1
DM01008P2	0.97110474	-1.0385634	-1.0120242	-1.007189	
DM11332P3	0.9712393	-1.0278335	1.0854009	-1.0536752	
DM02318P3	0.97126484	-1.0746489	-1.0462685	-1.1163882	AAEL_AAEL01 XM_001660539.1
DM06193P3	0.97132665	-1.0561293	-1.0282186	1.0000236	
DM09940P1	0.97149086	1.0338483	1.0319142	-1.004345	
DM03461P1	0.9715175	-1.0213894	1.0505567	-1.0374088	
DM01287P3	0.97151923	1.0387611	1.1587497	1.0786692	DYAK\GE163:XM_002100013.1
DM09220P2	0.97156096	-1.066689	-1.2057269	-1.0191952	
DM02991P1	0.97157437	1.0071112	-1.0188205	1.0107925	
DM00179P1	0.9716162	-1.0204843	-1.022332	1.0153522	SNF1A XM_623368.2
DM01895P1	0.97165966	1.1504138	1.0120469	1.1319395	CUTICLE PRO XM_001659414.1
DM07396P2	0.9716627	-1.0042238	1.0109402	-1.0153071	
DM10749P1	0.9716656	1.0046338	1.0327173	-1.0273334	
DM05714P4	0.9716713	1.0631213	1.0641501	-1.052003	
DM12216P1	0.9716876	-1.1734446	-1.1598793	-1.1216577	
DM05531P4	0.97176903	-1.0263098	-1.032192	1.0260684	
DM09148P2	0.9718245	1.0329223	1.0090067	1.0582092	
DM02377P4	0.9720251	-1.061079	-1.0097336	-1.0800017	PMCA NM_001014687.3
DM11582P3	0.9721969	1.1024877	-1.0004189	1.043882	

DM07716P1	0.97222966	1.0074565	-1.0179508	1.0056775		
DM12552P1	0.9722837	-1.014784	1.0170568	-1.0087986	LOC1002263	XM_002187967.1
DM06721P1	0.9722861	-1.1241649	1.0364883	-1.2056115		
DM08313P2	0.97254795	-1.0438305	-1.0200335	-1.0047065		
DM15113P1	0.97256017	-1.18825	1.0568596	-1.2526308		
DM14001P3	0.9726253	-1.0931008	-1.024183	-1.0636363		
DM06817P3	0.97297925	1.00548	1.0027277	1.1400207		
DM14036P1	0.973158	1.053255	1.0273432	1.0358362		
DM03317P2	0.9732317	-1.009652	1.0402901	1.0001578	DANA\GF162	XM_001955434.1
DM03803P1	0.9732911	1.0077996	1.0359238	1.0916315	LOC1001755	XM_002126682.1
DM06863P2	0.9733147	-1.1986014	-1.1622199	-1.2182083		
DM07089P1	0.9735127	1.0493847	-1.0635666	1.0086247		
DM06175P4	0.9736002	1.0881261	1.050377	1.2361221	COL1A2	NM_182968.2
DM01505P2	0.97363436	1.011203	1.0457883	-1.0309411	MORF4L1	NM_024431.3
DM07202P1	0.97369975	-1.0379548	-1.0595978	-1.0040152		
DM13290P2	0.9737416	-1.025404	-1.0897741	1.0216063		
DM10021P3	0.9738258	1.0189329	1.0027175	1.1076689	PNO1	NM_001132205.1
DM02539P2	0.97392476	-1.0576065	1.0231144	-1.0546811	ACAD	XM_001649695.1
DM14674P1	0.9741138	-1.0204979	1.107158	-1.0259783		
DM10370P2	0.9743263	1.0703918	1.1284331	-1.0596955		
DM08472P2	0.9747889	1.0214126	1.0397499	1.1009507		
DM09498P3	0.9749157	-1.0538518	-1.0222344	-1.1288451		
DM15077P3	0.97507125	-1.0292645	-1.0197496	-1.0461061	AGAP_AGAP0	XM_556301.3
DM08413P3	0.9755823	1.0107777	1.0705419	1.019797		
DM05440P1	0.97558475	-1.1099769	-1.0722213	-1.0253758		
DM06435P2	0.9756583	1.015219	-1.1129686	-1.0451182		
DM08441P1	0.9758105	-1.0355655	1.06288	-1.0302395		
DM09848P3	0.9759969	1.0251333	1.0297158	1.0010265		
DM09913P2	0.9762064	1.0163412	1.0033723	-1.0457798		
DM12057P3	0.9762358	1.0496354	1.037296	-1.0161839		
DM06037P2	0.9763684	1.0693295	-1.0264264	1.045312	DMOJ\GI120	XM_002008065.1
DM01012P1	0.9764488	-1.0110781	-1.0802495	-1.0520815	LOC1000181	XM_001366183.1
DM02191P2	0.97647876	-1.0069318	-1.1495787	-1.1648808	AAEL_AAEL01	XM_001648682.1
DM04068P2	0.976518	-1.0538777	1.0773411	1.0265007		
DM10467P2	0.9765367	-1.0083715	-1.074248	-1.0863752		
DM07018P1	0.97659296	1.0237968	1.0264056	1.005137		
DM13648P2	0.9766661	-1.0253301	1.0116328	-1.0173897		
DM00899P1	0.97667027	-1.0122706	1.0001578	-1.0271734	DSIM\GD214	XM_002105314.1
DM01252P3	0.9767013	-1.0163525	1.1648664	1.0199667	NEMVEDRAFT	XM_001621693.1
DM05191P2	0.9769474	-1.0236573	1.0339288	1.0627114		
DM08222P1	0.9770897	-1.0221756	-1.0588679	1.0370648		
DM11482P3	0.97714543	-1.0143241	-1.0478104	-1.0067728		
DM01579P3	0.97718614	1.0201494	-1.019696	1.0228703	RPL18	NM_001162209.1
DM01808P2	0.9773032	1.0559969	1.0226579	1.0031344	DPER\GL227	XM_002024028.1
DM02053P2	0.9773453	1.03703	1.0177549	1.0611567	DERE\GG126	XM_001982546.1
DM04803P3	0.97753096	1.1599659	1.0376353	1.1446819		
DM09351P3	0.97762024	1.0508373	1.0633684	1.042937		
DM14695P2	0.9777117	1.0013149	-1.0013183	1.0578216		
DM07368P1	0.97797173	1.144718	1.1036353	1.1499755		
DM13529P1	0.9780516	1.0166638	1.0873269	1.069581		

DM07379P1	0.97821903	1.0558795	1.1140566	1.0925528		
DM01471P3	0.9785286	-1.0369887	-1.06552	-1.0494527	MGC83169	NM_001091083.1
DM03608P3	0.97857714	-1.0632565	1.0087382	-1.0422269	DPSE\GA113	XM_001357545.2
DM08170P3	0.9788024	-1.019929	-1.0316578	-1.0766788		
DM04472P1	0.97882354	-1.0368491	-1.0153474	-1.0437489		
DM13182P1	0.97887754	-1.0294839	-1.015819	1.003642		
DM14781P2	0.97895706	-1.0241342	1.1230292	-1.0067712		
DM08132P1	0.97897863	-1.0131737	1.0548271	1.0863148		
DM11858P1	0.9790812	-1.0780132	-1.0758324	1.0199538		
DM11723P4	0.9790987	-1.1073769	-1.0693231	-1.0513861		
DM14626P1	0.9793203	-1.0068773	-1.02477	1.0271431		
DM08110P3	0.97936076	-1.02971	-1.0643706	-1.033248		
DM07071P3	0.97941923	-1.0025791	1.0556074	1.0380366		
DM12689P2	0.9803871	1.036772	1.0659685	1.1184772		
DM00079P3	0.9804729	-1.0046387	1.0162065	1.0287452	AGO1	XM_624441.2
DM12949P2	0.980583	1.0140353	-1.0228828	1.0758495		
DM08202P2	0.9806436	-1.0415466	-1.0962087	-1.1333927		
DM04464P1	0.98095256	-1.0058125	1.1230985	-1.0108334		
DM02730P3	0.9812042	-1.050044	-1.0634032	-1.0706148		
DM14712P1	0.9812547	1.1247138	1.0352603	1.1095042		
DM06103P2	0.98126817	1.028132	-1.0468948	1.0489709		
DM07942P2	0.9812959	-1.138583	-1.0468206	-1.0710629		
DM06532P1	0.9814949	-1.0392787	-1.033434	-1.0444118		
DM09105P1	0.98152786	1.001063	1.0862182	1.0167834		
DM00589P4	0.9815555	1.017869	-1.03404	1.0244677	LOC1001188	XM_001602652.1
DM08026P2	0.98164165	-1.0138351	1.0348908	1.014849		
DM12990P3	0.98181736	-1.0286227	-1.0306221	1.1036899		
DM03835P3	0.9818219	-1.1068779	-1.0650691	-1.048323		
DM00426P2	0.98205435	-1.0108186	1.0076265	1.0368862	KDM1A	XM_861517.1
DM13033P2	0.9821846	1.007325	-1.0051976	-1.0371561		
DM06663P2	0.98224556	-1.0213364	-1.0054556	-1.0059543		
DM01164P3	0.98243487	-1.017454	-1.0443615	-1.0486802	PAH	NM_001032678.1
DM09467P2	0.9824443	1.0672239	1.0645086	1.1430428		
DM00972P1	0.98298734	-1.0305984	-1.0259055	-1.0046096	PTPN7	NM_001040576.1
DM03827P3	0.9830725	1.1181964	1.0787708	1.0739739	LOC1000545	XM_001490419.1
DM11780P2	0.9832435	1.0148443	1.0370083	1.003885		
DM07522P3	0.98324865	-1.0073377	1.0065365	1.0300955		
DM06594P3	0.98330855	-1.1542753	1.0010184	1.0830249	RN18S1	NR_003286.2
DM08896P4	0.98339057	1.0622475	1.1841078	1.0846812		
DM00904P3	0.98350734	1.011332	1.0588732	1.0421847		
DM03281P3	0.98358876	-1.0202781	1.0184375	-1.0233443		
DM10475P1	0.98401284	-1.0539107	1.0029639	1.0187339	DSEC\GM235	XM_002032388.1
DM15449P3	0.98406655	1.0112389	1.0732654	1.0254924		
DM13966P1	0.98445284	-1.0187176	-1.0582038	-1.0366389		
DM08606P1	0.9845143	-1.0859456	-1.1186658	-1.0601335	DHX8	NM_144831.2
DM10909P1	0.9845446	-1.0392168	-1.0081083	-1.0397528		
DM03771P1	0.98468125	1.0509863	1.0245305	1.0414919		
DM06779P3	0.9849981	-1.0000341	1.0357927	1.0466375		
DM14892P3	0.9850419	1.1350765	1.0130467	1.2109332		
DM10687P3	0.9855909	1.0160674	1.0884308	1.038252		

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DM04591P1	0.98592705	-1.0365382	1.0269732	-1.0636064		
DM09130P1	0.98594666	-1.2020348	-1.032752	-1.0460454		
DM10210P1	0.98621505	1.0533444	1.1142678	1.0401478		
DM06972P1	0.986332	1.0228696	-1.0262699	-1.0511606		
DM04506P1	0.986347	-1.017677	-1.1896496	-1.0731245		
DM11976P1	0.9863789	-1.0416409	-1.0572779	-1.0573044		
DM11648P2	0.9865078	1.0086331	-1.0431747	1.0375991		
DM11031P1	0.98675114	-1.0037453	-1.016	-1.0360571		
DM10310P1	0.98682785	1.0777869	-1.0189936	1.0379325		
DM04169P3	0.9870321	-1.1242467	-1.066675	-1.0877523		
DM04330P3	0.98706573	1.0640546	-1.0395389	-1.0880249		
DM12863P3	0.98722106	1.0006012	-1.0406638	1.067202		
DM14468P3	0.98742974	1.0922527	-1.0111737	1.0636605		
DM13565P1	0.9875063	-1.0114309	-1.0664017	-1.0293692	NCU03493	XM_950787.2
DM03182P2	0.98764557	-1.022138	1.0105618	-1.0156919		
DM12007P1	0.98764837	-1.0527999	-1.0160607	-1.0425361		
DM08417P2	0.9877151	-1.0382379	1.0635686	1.0345721		
DM07119P3	0.98774743	-1.0827839	-1.0778928	-1.0997188		
DM11115P2	0.9877853	1.0055723	-1.01178	-1.0197932		
DM09745P3	0.9878663	-1.0362675	-1.0162431	-1.0241348		
DM07034P2	0.9881049	-1.0614562	-1.0722044	-1.0622145		
DM09871P1	0.9882462	-1.0484734	-1.0458	1.0191343		
DM13267P1	0.98830277	1.0473422	1.01659	1.0148257		
DM07348P3	0.98837537	1.0707717	1.0463938	-1.01078		
DM02874P1	0.98838806	-1.0412332	-1.0308084	-1.0525421		
DM07187P1	0.98843545	-1.0647099	-1.044518	-1.017344		
DM02054P1	0.98851186	1.0699743	1.1575254	1.028144		
DM07022P3	0.9886644	1.0177715	-1.0377688	-1.0096779		
DM13435P1	0.9886791	-1.0050142	-1.0200905	1.0223042		
DM12553P1	0.98887783	-1.0238645	-1.018019	-1.0173377		
DM04783P3	0.9888828	1.0018786	1.0429008	-1.0078346		
DM03602P1	0.9889536	-1.0109786	1.0096458	-1.0078088	GALK1	NM_001092451.1
DM10558P1	0.98905146	1.0110868	1.0271223	-1.0359831		
DM05937P3	0.98908937	1.0051384	1.0024784	-1.0281866	ESRR	XM_001862564.1
DM10098P1	0.9891047	1.0278554	1.0385995	1.0806029		
DM01274P2	0.9893037	1.0098867	1.0294043	1.0143942	SFXN1	NM_001096880.1
DM02195P2	0.98942125	-1.025617	-1.0013882	-1.0176584	RPS21	XM_417405.2
DM01768P2	0.9894356	-1.0223262	-1.0382849	-1.0830925	EZH	XM_001663344.1
DM09570P3	0.9899873	-1.0532141	-1.070281	1.0042145		
DM02568P2	0.9900239	1.0213326	-1.0079198	1.0411785	ZFAND2B	NM_001095372.1
DM04002P3	0.9900837	-1.0079936	1.0085546	1.0335009		
DM14694P1	0.9901871	1.0574543	1.0484515	1.0082597		
DM07249P1	0.9903058	1.0174323	-1.0126209	-1.0274117		
DM02137P1	0.9903228	-1.026932	-1.0560678	1.0101225		
DM14335P2	0.9903982	-1.0529224	-1.0438571	-1.0506915		
DM00008P2	0.99045795	1.0144676	1.0363073	1.0866611	DGRI\GH226	XM_001993992.1
DM02596P1	0.99067444	-1.0110693	-1.0377873	1.0113758	DYAK\GE244	XM_002097417.1
DM09872P1	0.99107367	1.079543	1.0400542	1.0113382		
DM02577P2	0.99115264	1.0420457	-1.0243764	-1.084056		

DM15182P3	0.9912203	-1.048982	-1.0259359	1.0129943		
DM13295P3	0.9913636	1.0001162	1.051608	1.0081396		
DM08723P1	0.99139315	-1.0328012	-1.0501729	-1.039022		
DM13526P4	0.99140173	-1.0537224	1.0319426	-1.0404369		
DM05420P2	0.9914427	-1.0631688	1.0020349	-1.026725		
DM09077P3	0.9917087	1.0108377	-1.0316604	1.0119039		
DM01143P1	0.9918009	-1.1163819	-1.1162547	-1.004534	LOC594703	XM_001191012.1
DM14776P3	0.99196357	-1.0531676	-1.0691552	-1.1068035		
DM12651P3	0.99213475	1.0243303	1.0488129	1.0136477		
DM07781P3	0.99214906	1.0030432	-1.0124439	1.0152409		
DM03296P1	0.9921774	1.0222423	-1.0245949	-1.0322667		
DM08355P3	0.99232346	-1.039636	-1.0611175	-1.0481911		
DM13280P2	0.9926976	1.0544723	1.0028461	1.032924	DPER\GL136	XM_002020195.1
DM01232P3	0.99284506	-1.0754583	1.0110601	-1.0120775		
DM06153P1	0.9928464	1.0098311	-1.0224673	-1.0461587		
DM14975P3	0.99298096	1.0340341	1.0656649	1.0056187		
DM13386P1	0.99304205	-1.0707524	-1.0308925	-1.0391434		
DM02896P1	0.99305004	-1.0308735	-1.0172429	-1.0749756	SEC14L2	NM_144520.2
DM02656P1	0.99314743	1.0245652	1.0711877	1.0269862		
DM00528P3	0.99319965	1.0202713	-1.031929	-1.0452006	DVIR\GJ2443	XM_002054372.1
DM04299P1	0.99320155	1.0582707	1.0133445	-1.0134233		
DM09029P1	0.9933884	-1.0201929	-1.0061039	-1.0428019		
DM06118P3	0.9934409	-1.0057212	-1.0397633	1.028471	AGAP_AGAP0	XM_309374.4
DM10408P2	0.9935103	-1.0127847	-1.0019615	1.077883		
DM00717P2	0.99362385	1.0882279	1.0517324	1.0219892		
DM04619P1	0.9939111	1.0090014	-1.013165	-1.0186439		
DM02856P1	0.9939518	1.0540478	-1.0142154	-1.0163591	DWIL\GK172	XM_002061849.1
DM03243P1	0.9940067	1.0052094	1.0007044	1.1612948	LOC755235	XM_001189018.1
DM09758P1	0.99406904	1.0251747	1.0241904	1.0099057		
DM04492P3	0.99409634	1.0317857	1.0637772	1.0075796		
DM00688P1	0.9941003	1.0109385	-1.0048656	-1.0455582	LOC1001863	XM_002131086.1
DM14759P1	0.9941294	1.0154736	-1.0428785	1.004603		
DM04459P4	0.9942074	1.0836561	1.0677247	1.0405177		
DM10236P1	0.9945499	-1.0183675	-1.0008534	-1.0510864		
DM10599P1	0.99491596	-1.1189021	-1.0277463	1.010239	COL1	NM_001122918.1
DM08213P2	0.99509996	-1.0742904	-1.0499103	-1.0341145		
DM09200P1	0.99515575	1.0256486	1.0020562	1.0469842		
DM02602P2	0.9951566	-1.0163746	-1.0321484	1.010676	DYAK\GE125	XM_002088394.1
DM03069P1	0.99517256	-1.0537665	-1.0660374	-1.0453553		
DM01483P2	0.9952186	1.0514201	1.0016606	-1.0026543		
DM06950P1	0.9952255	1.0257368	1.0372461	-1.0053009		
DM02043P2	0.99526304	1.0113356	-1.0025388	1.0136039	RPS26	NM_001126227.2
DM12997P3	0.99528587	-1.006056	-1.029286	-1.0194224		
DM13095P1	0.99534047	-1.0021694	1.0132419	1.0557704		
DM02849P3	0.995397	1.0069833	1.0278826	1.0106488	MDH1	NM_001009329.1
DM14738P3	0.9955388	-1.1315588	-1.0347729	-1.0559449		
DM13242P1	0.9957227	-1.0401427	-1.0339704	1.0048379		
DM00658P2	0.99574685	1.011128	1.001494	-1.0126956	DERE\GG252	XM_001969003.1
DM04540P2	0.9957793	-1.0589143	-1.0632275	-1.0905116	EHI_025850	XM_001914017.1
DM14081P1	0.9958259	1.0880002	-1.0097582	1.0388657	AAEL_AAEL0C	XM_001648251.1

DM08521P1	0.99589735	-1.00945	1.0423577	-1.0041081	MRPS22	NM_001046319.1
DM01092P1	0.99594676	-1.0555083	-1.0328735	-1.0440156		
DM05776P1	0.9960138	-1.010116	-1.0145591	-1.0527147		
DM01923P3	0.9960276	-1.0057427	1.0248106	1.0044675	DGRI\GH248\	XM_001992647.1
DM01852P3	0.9960472	-1.0526085	-1.029418	-1.0353793	DWIL\GK143\	XM_002073777.1
DM07694P2	0.9961644	1.0369074	-1.0124159	-1.0042781		
DM09364P2	0.99618167	-1.0168661	1.0117313	1.0001185		
DM14214P2	0.9964202	-1.0232457	1.0071361	1.0043292	NCU11050	XM_001728493.1
DM04693P1	0.9964619	1.0280435	-1.0004209	1.0287796		
DM15197P3	0.9966258	1.0064596	-1.0227227	-1.0155033		
DM14530P3	0.99694955	1.0073844	1.0121585	1.028762		
DM11216P1	0.9970139	-1.0092628	1.0139389	1.0645573		
DM01715P2	0.9971476	-1.0171462	-1.0039582	1.003464	ACO-2	NM_171885.1
DM06698P1	0.9972044	1.0137995	-1.0057088	-1.0063967		
DM04001P1	0.99752754	1.0581739	1.0788103	1.0621487		
DM03736P2	0.99753946	1.0051602	1.0005076	1.0440787		
DM01474P2	0.9975655	-1.0249412	1.0274725	1.0026624	DVIR\GJ1446\	XM_002058467.1
DM12567P1	0.9976003	1.0692943	1.0379039	1.0226649		
DM15160P3	0.99776375	-1.0223213	1.0083396	1.0129685		
DM14615P3	0.9977908	-1.066534	-1.1277741	-1.0439335		
DM12946P1	0.9980688	-1.0330259	-1.0054344	-1.0170333	PHACTR1	XM_001492143.2
DM14473P4	0.9981301	1.0005261	1.0374966	1.0116634		
DM10433P3	0.9983731	-1.0290964	1.0479418	1.0299624		
DM08453P3	0.99843705	-1.0126804	-1.0158688	-1.0119803		
DM02958P1	0.9984561	-1.0040995	-1.009389	-1.0152526		
DM09322P1	0.9986571	1.0401845	1.0511713	1.0345236		
DM10246P4	0.9988239	-1.0039415	1.0030338	-1.006041		
DM05893P2	0.9988823	-1.0025365	-1.019363	1.0153837		
DM07466P2	0.99892735	-1.0197179	-1.0002075	-1.013073		
DM05169P3	0.99899334	1.055745	1.0088497	1.0786138		
DM07582P3	0.999232	1.0491033	1.0264354	1.0211669		
DM14094P1	0.99928695	-1.0010037	-1.0051628	-1.0083891		
DM00683P3	0.99931645	-1.002679	1.0004009	1.0294108	LOC1002270\	XM_002191176.1
DM06602P2	0.99940217	-1.001361	-1.0228504	1.0183069		
DM13445P1	0.9994146	-1.0101925	-1.0148025	1.0121374		
DM06949P4	0.9994193	-1.0138983	-1.0036913	1.00604		
DM04193P2	0.9994635	1.0168991	1.0150772	1.0066862		
DM07361P1	0.99949545	-1.014315	-1.0370667	-1.0114453		
DM08813P1	0.9995075	1.0129604	1.0189803	1.0289253		
DM09383P1	0.9995802	1.0205959	1.0050014	1.0112879		
DM12954P1	0.99974424	1.005574	1.0081073	1.0276226		