

Agilent Probe Identifier	GeneName	H7N9-1 Lesion	H7N9-2 Lesion	H7N9-3 Lesion	H7N9-4 Lesion	Average Lung D3	H7N9-1 Lung	H7N9-2 Lung	H7N9-3 Lung	H7N9-4 Lung	Average Lung D3
A_01_P1693626	DQ148102	-1.5583498	-0.33806103	-1.1722437	-0.8958236	-0.991119533	0.15618154	-0.42299873	0.53970975	-0.543841	-0.001885625
A_01_P1831561	ENSMUT00000018515	0.723715	0.38511288	-0.4565428	0.8632745	0.607161295	0.20683031	-0.1565215	-0.1415031	0.059480786	-0.041011157
A_01_P017120	ENSMUT00000005627	-1.1228527	-0.60833424	-1.3018991	-1.1995478	-1.05815846	-0.15675911	-0.89454657	0.561075	0.12390147	0.342488235
A_01_P1832131	ENSMUT00000004115	0.6496145	0.409758	0.5609254	0.7681919	0.59712245	0.16568188	-0.14362472	0.23558451	-0.32974315	-0.04707932
A_01_P1721786	FUBP3	0.7270009	1.045634	No data available	No data available	0.88631745	0.11679908	0.09779605	0.22873254	-0.5697547	-0.17051108
A_01_P001392	CBX5	0.44267932	0.82319844	0.9642476	0.62634003	0.714116348	-0.3159258	0.60314924	-0.50378096	-0.040408164	-0.272094562
A_01_P1718676	APOBEC3B	0.628966	1.1507916	2.0469577	1.6749887	1.375426	-0.34911633	0.98078436	-1.61123	-0.12961091	-0.870420455
A_01_P175211	ENSMUT00000000513	-0.5335567	-1.0023698	-0.9263964	-0.64730066	-0.77740589	-0.09155744	0.56792486	-0.23116742	-0.45966345	-0.345415435
A_01_P1673176	INSR	-1.657441	-1.0388814	-1.1687397	-0.54162157	-1.101670918	-0.044637963	-0.43009108	0.6525943	-0.4814454	0.08557445
A_01_P1766771	LRRRC8B	0.5611467	0.2716022	1.1532767	1.0077952	0.7484552	0.05374313	0.26488668	-0.4873987	0.06689608	-0.21052131
A_01_P1707551	ENSMUT00000048176	-0.3535427	-0.85126466	-0.6031734	-1.1193944	-0.73184379	0.11555268	-0.61393267	-0.05650943	0.38029617	0.16189337
A_01_P1728026	OPCML	2.626835	No data available	No data available	3.4209342	3.0238846	-1.0458475	1.0123743	No data available	-1.00459	-1.00459
A_01_P1704286	ENSMUT0000003858	0.39658806	0.46988025	0.8364904	1.2835163	0.746618753	0.2053233	-0.16216874	-0.0900552	0.019897955	-0.035078623
A_01_P009874	SLCSA9	-1.7165378	-1.607906	-0.8891965	No data available	-1.404546767	-0.57690793	No data available	0.31809342	0.1149255	0.21650946
A_01_P1805791	JV712429	-1.4483479	-1.7264994	-1.4772699	-1.808959	-1.58849995	0.12507035	-1.3978283	0.07950383	0.5590359	0.319269865
A_01_P1803876	A_01_P1803876	1.1130668	0.24110946	0.7845783	0.52070415	0.664864678	-0.088198155	-0.061797686	-0.328726	0.38404328	0.02765644
A_01_P004269	JV607252	-0.8992825	-0.65810853	-0.5002271	-0.4006148	-0.614558233	-0.089344	-0.33660704	-0.086766794	0.40764418	0.160438693
A_01_P003626	POLA2	0.66522956	0.42602438	1.2231238	1.2738138	0.897047885	-0.16715913	0.38844988	-0.57425916	0.17477454	-0.19974231
A_01_P1716276	EGG5694	-0.6687867	-0.18983869	-1.1990247	-0.98307747	-0.76027639	-0.06547567	-0.98137102	0.25372112	0.20245284	0.22808698
A_01_P1703241	ENSMUT00000021715	-2.4168262	-1.8783396	-1.1178492	-0.3848871	-1.449475525	No data available	-0.58313666	0.3042786	0.106400795	0.205339698
A_01_P1720191	ALS2	-0.39836714	-0.5612277	-0.7259356	-1.2681112	-0.73841041	0.06068142	0.08429943	-0.4517425	0.22120845	-0.115267025
A_01_P004000	ENSMUT00000010049	-0.6822704	-0.6476724	-0.8451986	-0.65297264	-0.70702851	-0.3164819	-0.3133578	-0.008528843	0.483457	0.237464079
A_01_P003474	NOG	1.4153239	1.1049232	0.80415386	0.9384662	1.06571679	-0.32883787	0.5418832	0.052405197	-0.49175307	-0.219673937
A_01_P1752371	ENSMUT00000041388	-0.7751965	-0.82307816	-0.472699	-1.0464774	-0.797362765	0.2150951	-0.268311	0.339122	-0.426993916	-0.04390858
A_01_P1675331	LOC170157	-1.0690771	-0.45343566	-0.7172297	-2.0664668	-1.339052315	-0.5504896	-0.45343566	0.38495365	0.35737413	0.37116389
A_01_P018522	JV511848	-0.55281234	-0.91830736	-0.41817042	-1.0039816	-0.72331793	0.08420144	-0.076320	0.19467801	0.16956112	0.182117975
A_01_P1671906	IL6	0.8680354	0.857207	4.226861	3.2240875	2.294047725	-2.4137816	1.5985558	-1.9944743	-0.9078544	-0.154116435
A_01_P1721766	ENSMUT00000003209	0.60687655	0.71919775	0.454721	1.0702885	0.71277095	-0.38221163	0.15311975	No data available	0.16441041	-0.16441041
A_01_P1811661	A_01_P1811661	1.0186598	No data available	0.8866043	1.8922234	1.265829167	0.02005078	No data available	-0.29173168	0.22914343	-0.033996675
A_01_P1763826	ENSMUT00000028470	0.67995614	0.34961653	0.7855311	0.84640896	0.665378183	0.19904265	-0.11685856	0.007953069	-0.113503255	-0.052774078
A_01_P1763776	PER3	-0.46094275	-0.87701184	-0.6904412	-1.0707803	-0.774794023	0.20548812	-0.120279156	-0.13870679	0.026560757	-0.056073017
A_01_P1822886	A_01_P1822886	No data available	-1.4242733	No data available	-1.3409431	-1.3826082	-0.008617769	No data available	No data available	0.008566597	0.008566597
A_01_P1831476	ENSMUT00000018751	0.7398739	0.78777356	1.7443924	0.90068454	0.7210661	0.35780942	-0.19734816	-0.13279857	-0.098028965	-0.115413768
A_01_P1816711	P2RX2	No data available	-1.0605365	-1.1143119	No data available	-1.0874242	-0.3518225	0.21020014	0.2998775	-0.27139655	0.014204475
A_01_P005959	JV548223	-1.2226901	-1.0842229	-0.7221859	-1.2573204	-1.071604825	0.101453654	-0.9247102	-0.114457768	0.56230867	0.232925495
A_01_P1804691	A_01_P1804691	-1.1528509	No data available	-1.2905188	No data available	-1.22168485	0.30469945	No data available	0.09453714	-0.5205293	-0.21299608
A_01_P020075	LY75	-1.0386237	-0.55076104	-0.8515917	-1.1341456	-0.89378051	0.052129366	-0.32598752	0.4031058	-0.24622065	0.078442575
A_01_P1831595	ENSMUT00000044187	0.6182777	0.31355587	1.1565309	0.59296364	0.670320278	0.17108943	-0.18806635	-0.092858195	0.08221922	-0.005319488
A_01_P1709541	ENSMUT00000041703	0.7586699	0.44333398	0.7464525	0.8363271	0.620819058	0.19235137	-0.25966933	0.03051122	0.001041495	-0.051776357
A_01_P1757301	ENSMUT00000046584	-0.77077985	-0.93853813	-0.1600846	-1.1527511	-0.75552942	-0.46566898	0.16587368	-0.13852513	0.31680837	0.08914162
A_01_P1694621	AY680531	1.0821875	No data available	No data available	1.1520475	1.11621175	No data available	0.3341763	-0.37993214	-0.03265162	-0.211291785
A_01_P1788231	A_01_P1788231	-0.9003212	-1.0274898	-2.800321	-0.6872545	-0.723744338	0.11285594	-0.6144688	0.2777664	0.07470546	0.17623593
A_01_P1790376	YLP1M1	-0.76807296	-0.24323317	-0.40244117	-1.06332386	-0.641221475	0.18406235	-0.21394728	0.12832431	0.13088712	-0.004481145
A_01_P1671881	TYROBP	0.7590293	0.41155884	0.40464887	0.81785893	0.598282885	-0.15689754	0.31050974	-0.5295907	0.2266947	-0.151448
A_01_P1804426	A_01_P1804426	-0.81002253	-0.34909245	-0.48411685	-0.8846548	-0.631971658	0.24075946	-0.06872261	0.21048066	-0.49852517	-0.144202255
A_01_P1754971	ENSMUT000000042210	0.6018176	0.5041602	0.96634805	0.6521929	0.681129688	0.20318936	0.006276764	0.08359033	-0.34959012	-0.133040545
A_01_P1804801	A_01_P1804801	1.0664195	0.38283232	1.06391553	1.8629627	1.170307455	-0.094848625	-0.08544534	-0.12763397	-0.29599626	0.071181145
A_01_P1797246	A_01_P1797246	-1.4297184	No data available	-1.0648712	-0.86805904	-1.12086488	-0.17990802	-0.5503297	0.7868766	-0.49605784	-0.15440938
A_01_P1755926	ENSMUT00000041688	-0.6491397	-0.6827031	-0.8939849	-0.89682764	-0.780663835	-0.013315013	-0.5128302	0.2502536	0.16211285	0.206183225
A_01_P1739061	HAS2	0.9520353	0.8913301	2.893726	2.9971976	1.93357225	-1.5787143	1.290548	-0.39225862	-1.1294985	-0.76087866
A_01_P176906	A_01_P176906	-0.8364374	-0.2863623	-1.0411748	-0.45083132	-0.653701455	-0.051809423	-0.14231281	-0.08032612	0.24289541	0.081284645
A_01_P1753651	ENSMUT00000027494	0.61865836	0.49686047	0.9292341	1.4955491	0.885075508	0.27564457	0.001600443	-0.14754689	-0.17531982	-0.161433355
A_01_P019082	SELE	1.4182435	1.2490295	3.9553475	4.4243803	2.7617502	-0.50328165	0.5396504	0.1742822	-0.48908556	-0.15740168
A_01_P017707	TMEM67	-0.57498133	-0.21936202	-1.1255383	-1.0269827	-0.735966088	-0.08061117	-0.3889108	0.068974875	0.31227723	0.190626053
A_01_P1675591	SOCS1	1.3444866	0.76339173	0.944373	0.3885522	0.860200888	0.15166895	0.5965348	-0.26485574	-0.87624407	-0.570549905
A_01_P1726461	ZNF214	-1.1919111	-1.4551423	-1.8644346	-0.9005683	-1.353036575	-0.32666785	0.0757721	0.35049912	-0.18520261	0.082468255
A_01_P1738906	ENSMUT00000018768	0.6306312	0.4900956	1.1942071	0.8736155	0.78813735	0.21545894	-0.26552066	0.084791034	-0.07933476	0.002728137
A_01_P1831606	APOBEC3G	1.0993539	0.8443517	2.6455893	1.8128555	1.505287275	-0.17089097	0.89662429	-1.9059255	-0.024542693	-0.965239077
A_01_P014420	PTGIR	0.9549114	0.5348334	0.92934096	1.1126764	0.88294054	0.047653645	0.5595464	-0.3197432	-0.5247651	-0.42225451
A_01_P1800846	A_01_P1800846	-1.2851567	-1.3928956	-0.2434247	-1.4057633	-1.079535075	-0.084275134	-0.4955766	0.3704324	0.13981347	0.255123935
A_01_P1714876	ENSMUT000000043193	0.68138814	0.71472293	0.39680045	0.7293845	0.629794005	0.2060934	-0.31097332	0.09209335	-0.03735245	-0.027359053
A_01_P1810626	A_01_P1810626	0.5191528	0.5726098	1.268094	0.6245104	0.74610076	0.07682424	0.007897116	0.3227732	-0.5372461	0.10723645
A_01_P1675281	RHDF2	0.653577	0.8277665	0.5689006	0.902594	0.738209525	-0.3631319	0.47747627	-0.5272938	0.18772645	-0.169783675
A_01_P007561	IRF1	1.1930792	0.08681701	1.9451163							

A_01_P1817246	A_01_P1817246	-1.1927264	-0.55149305	-1.0293304	-0.6572117	-0.857690388	0.012214466	-0.3761233	0.21114377	0.088666946	0.149905108
A_01_P005185	LOC700014	-2.595675	-1.637883	-2.4762547	-2.1617956	-0.62818992	0.6346087	-2.1887633	0.64183205	-0.69683594	-0.027501945
A_01_P1771676	A_01_P1771676	No data available	1.4894283	1.3510581	2.3215091	1.708925167	0.16167634	0.1040550015	No data available	-0.112671435	-0.112671435
A_01_P1789291	JV507254	-0.61866224	-0.3892056	-0.8904454	-1.164584	-0.76571431	0.016716313	-0.14590087	0.31104356	-0.44040748	-0.06468196
A_01_P1705201	ENSMMU00000038497	-0.9371266	-0.784872	-0.8945064	-0.37917498	-0.749323795	-0.2822031	-0.003823421	0.41724256	-0.2430798	0.08708138
A_01_P1772881	JV631301	0.6085755	0.7479227	1.0290156	1.3501881	1.001425475	0.18229614	0.7181261	-0.85497683	-0.58339083	-0.71918383
A_01_P1751056	ENSMMU00000039474	-0.5188882	-0.4759622	-1.048083	-1.4233016	-0.86655875	-0.3101227	-0.6024238	0.2904959	0.39145967	0.340977785
A_01_P1756371	ENSMMU00000010699	0.7536029	0.44277978	0.59595726	0.7175925	0.618379798	0.19758417	-0.2525994	0.059138626	-0.04066518	0.009236723
A_01_P1812926	A_01_P1812926	-0.5687757	-0.8988155	-0.29068738	-0.7544811	-0.62818992	0.027266696	-0.29976466	-0.02099111	0.2424259	0.110717395
A_01_P1693106	TRIB1	0.300108	0.48618492	1.3298779	1.5064373	0.90565203	-0.50572556	0.5648047	-0.2331846	-0.043677643	-0.138431122
A_01_P1810691	A_01_P1810691	-0.12106787	-0.96938306	-0.7660682	-1.1796137	-0.75903208	0.0348735	-0.35067046	0.22128531	0.036385935	0.128835623
A_01_P1823371	ENSMMU00000025957	-0.57990384	-0.63700783	-1.4685967	-0.9673961	-0.913226118	0.31707016	-0.077566676	-0.329646	0.015519864	-0.157063068
A_01_P1801681	LOC698852	-0.98579204	-1.3250812	No data available	No data available	-1.15543662	-0.49566483	0.026402034	0.3474347	No data available	0.3474347
A_01_P000230	LOC703104	-0.7368274	-0.50229883	-0.3849603	-0.96014667	-0.646067233	0.16403317	-0.4674386	0.27582115	-0.08061517	0.09760299
A_01_P017996	ICOS	0.4025808	0.42952192	0.66371757	0.8217248	0.579386273	-0.18184364	0.12279562	0.13963206	-0.10786959	0.015881235
A_01_P1833696	A_01_P1833696	-1.2186935	No data available	-1.5391457	-1.6251824	-1.4610072	-0.45847535	No data available	0.047911365	0.30856776	0.178239563
A_01_P1671961	FAS	0.72163355	0.2900969	-1.5795194	1.2071002	0.873837513	-0.10452382	0.44481623	0.13963206	-0.07542383	-0.27117665
A_01_P1680946	SORCS1	No data available	-2.6089907	No data available	-2.4678376	-2.53841415	No data available	No data available	0.0862519	-0.09173851	-0.002743305
A_01_P1754396	DCAF16	-0.92937654	-0.4529497	-0.5579696	-0.71013236	-0.660350868	-0.056032155	-0.1388135	0.47593006	-0.43632692	0.01980157
A_01_P1794106	PSG2	0.72722114	0.5324999	No data available	0.9519129	0.7546314	No data available	-0.0600809	No data available	0.057678457	0.057678457
A_01_P1730801	LOC700636	-0.46973085	-0.77913105	-1.4608533	-0.63509136	-0.83620164	-0.23944592	-0.207169091	0.24489468	0.13971527	0.192304975
A_01_P1783041	LOC702444	0.5238061	0.678043	0.4423794	0.6970506	0.585319775	-0.35846925	0.4870034	-0.08276971	-0.19390798	-0.138388845
A_01_P1746961	ENSMMU00000028497	No data available	0.9933669	1.1315804	0.4761122	0.867019833	-0.12572937	No data available	0.4071875	-0.4009464	0.00312055
A_01_P1755866	FREM3	-1.7894306	-2.255498	No data available	No data available	-0.2224643	-0.75953984	1.0273293	-0.024633048	-1.3658825	-0.695257774
A_01_P1831881	ENSMMU00000043694	0.6732766	0.66724885	0.6205749	0.7350185	0.674029713	0.14541335	-0.1005517	0.14734049	-0.22811373	-0.04038662
A_01_P007248	SERTAD1	0.32817212	0.2431625	0.97388756	1.0623599	0.65189552	-0.14742354	0.264367	0.15653494	-0.35582465	-0.099644855
A_01_P1735426	LOC713452	-2.1518433	-2.3238523	-0.8495695	-2.3236444	-1.912174238	-0.42044145	No data available	0.7110586	-0.69946826	0.00579517
A_01_P017589	GLB1L	-0.62894326	-0.16590138	-1.080808	-0.68092716	-0.64021495	-0.21217385	-0.33743918	0.18241148	-0.27565125	0.229031365
A_01_P1670916	LST1	0.78839284	0.49176553	1.1021409	1.0347053	0.854251143	-0.24244061	0.4671687	-0.5668827	0.13385071	-0.216515995
A_01_P1709981	ENSMMU00000004542	-0.44339842	-1.0643836	-0.30474675	-1.1721672	-0.746173993	0.03076933	-0.14830361	0.4147389	-0.10482701	0.154959905
A_01_P1738716	TP53INP1	-0.54191095	-0.59685373	-1.630226	-0.740953	-0.62748842	0.058161546	0.19041745	-0.27355292	-0.137788088	-0.143670504
A_01_P1798981	ENSMMU00000001064	-1.0748817	-1.1279268	-1.6422834	No data available	-1.2816923	-0.23840311	No data available	0.12683203	0.08464054	0.105736295
A_01_P1689291	KLH2L4	-0.73340476	-0.8498189	-1.50293694	-0.8951281	-0.745297175	0.2584286	-0.41379896	0.19094637	-0.13341889	0.02876374
A_01_P1820666	LOC712062	3.0759556	1.028347	0.4098286	1.0082603	1.630622875	-0.91545886	0.2610703	No data available	0.36507136	0.04670136
A_01_P1827641	A_01_P1827641	-0.9747827	-0.42366064	-0.49754643	-0.9341623	-0.707538018	-0.082813784	-0.12784791	0.44816014	-0.36533162	0.04141441
A_01_P1769246	ATF3	0.6770242	0.5357394	2.3379898	1.7748161	1.3313988	0.21633053	0.72315115	-0.5789214	-0.9490396	-0.7639805
A_01_P005806	JV505143	-1.6717645	-1.2695508	-0.70171975	-1.4874852	-1.285148063	0.12137384	-0.97136295	0.66953725	-0.30108267	0.18422729
A_01_P1824026	A_01_P1824026	-0.9688304	-1.5872053	-0.93777263	-1.5640076	-1.254453983	0.1801831	-0.10050177	-0.15558903	0.07341413	-0.04108745
A_01_P018147	JU335156	-0.62830406	-0.28599173	-0.9015942	-0.7032326	-0.629780648	0.0481406	-0.3385222	0.21887256	0.016344989	0.117608775
A_01_P017230	LOC702798	-0.7843767	-0.2386112	-1.0033306	-0.5213745	-0.63686073	-0.268131	-0.36872023	0.27282552	0.29168335	0.259754435
A_01_P1789856	A_01_P1789856	-0.70574373	-0.11471804	-1.0924085	-0.7260213	-0.659722846	0.27629027	-0.19648314	0.05841894	-0.19276911	-0.067175608
A_01_P006106	TYMP	0.81381184	0.62281954	0.5536458	0.4211589	0.60285902	0.05192582	0.39097515	-0.34154367	-0.21277414	-0.277158905
A_01_P1793961	A_01_P1793961	1.235353	No data available	1.788838	2.7961154	1.8701174	-0.28278023	0.4076823	No data available	-0.23202059	-0.23202059
A_01_P1762536	LOC714139	-1.0031841	-0.7398523	-0.7111415	-0.5622229	-0.75409345	0.032929707	0.15821767	0.21111594	-0.50753886	-0.148221446
A_01_P1735431	DHX7	-0.65407556	-0.47857258	-1.4263774	-0.64852124	-0.801886695	0.092537954	-0.24203771	-0.0939894	-0.20232552	0.05462306
A_01_P010018	JV725169	-1.0716766	-1.3881885	-0.63280767	-0.7995267	-0.972018143	0.2165986	-0.8391523	0.009680172	-0.34513775	0.177408961
A_01_P017614	A_01_P017614	-0.48805895	-0.63944006	-0.867862	-1.190441	-0.796500603	-0.10801795	-0.11048134	0.35739547	-0.20500337	0.07196005
A_01_P1724386	ZNF658	-1.3858349	-0.74714434	-0.87112164	-0.98354629	-0.996938935	-0.088432275	-0.6790379	0.5525856	-0.046679623	0.252952989
A_01_P015966	JV482459	-0.5779332	-0.25163892	-1.0952633	-1.1249286	-0.76258033	-0.08164754	-0.4011291	0.3361581	0.050141428	0.193149764
A_01_P1736796	ZC3H6	-0.29174173	-0.49583167	-0.90716094	-0.8384035	-0.63328446	0.2218865	-0.23579668	-0.011440555	-0.010969894	-0.011205225
A_01_P1762216	CAV2	-0.6092315	-0.35785055	-0.96385234	-0.96691954	-0.724463708	0.32535845	-0.27612913	0.3052298	-0.54689264	-0.12058483
A_01_P1721841	ENSMMU00000046955	0.6535603	0.19526796	0.9633904	0.5382806	0.587762315	0.2596144	-0.20269523	-0.042013604	-0.038910963	-0.040462284
A_01_P1712476	ENSMMU00000039385	0.5266615	0.45538843	0.8050662	0.58021563	0.593334103	0.16318822	-0.004257515	0.004031383	-0.18378633	-0.089877424
A_01_P1817051	A_01_P1817051	No data available	0.73164976	No data available	0.9178515	0.82475063	-0.10806031	No data available	No data available	0.10052744	0.10052744
A_01_P1707216	ENSMMU00000048261	0.6809307	0.39222765	0.6376956	0.59198004	0.575708498	0.22179168	-0.20385262	0.06295309	-0.11874551	-0.02789621
A_01_P1807686	A_01_P1807686	-2.08754	No data available	0.6376956	-2.1145062	-2.1010231	0.2628768	-0.12423584	-0.18010081	No data available	-0.18010081
A_01_P008272	A_01_P008272	-1.5680774	No data available	-1.6989323	-1.715197	-1.660735567	-0.2572655	-0.01207093	0.7198797	-0.93066907	-0.105394685
A_01_P1787181	A_01_P1787181	-1.3131375	-0.4362222	-0.6138796	-0.37705517	-0.685073618	-0.23489352	0.02414188	-0.08652052	-0.2588337	0.083181425
A_01_P1787176	A_01_P1787176	-0.7960524	-1.6511124	-0.63717365	-0.8461698	-0.982627063	0.12515503	-0.7248509	0.4170866	-0.045302074	0.185892263
A_01_P008584	PROK2	No data available	No data available	3.6655133	3.4186046	3.54205895	-1.3650419	No data available	-0.0926769	0.3253094	0.3253094
A_01_P1815291	A_01_P1815291	No data available	1.040108	0.8620303	0.64150983	0.84789271	0.12696767	-0.007323779	No data available	-0.13120626	-0.13120626
A_01_P1763846	ENSMMU00000047597	0.671079	0.43275163	0.742023976	0.83280826	0.664219663	0.14705645	-0.03832661	0.08149709	-0.15333575	-0.03591933
A_01_P1720816	ARMC9	-0.894676	-0.6079802	-0.6777296	-1.2629507	-0.860834125	-0.42902318	-0.43407795	0.14606639	0.49624318	0.321144785
A_01_P1832356	ENSMMU00000014305	0.3815349	0.45253146	0.56834556	0.5683238	0.58223393	0.22322634	0.0741926	0.11466454	-0.2540306	0.02188830
A_01_P1727261	ENSMMU00000032668	0.77609384	0.566872	0.63475677	0.95183563	0.733066805	0.26319197	-0.100641236	-0.040126886	-0.16055408	-0.100340483
A_01_P1701426	PGAM2	-1.4711655	-5.09E-01	-1.0156133	-1.1704885	-1.174348715	-0.3180572	-0.4785504	-7.53E-04	-0.5625242	0.282750618
A_01_P012513	SERPINB2	0.58316517	1.070746	2.098468	2.2859816	1.644590193	-0.1072425	0.96202904	-0.8277712	0.018831795	-0.404469703
A_01_P1735736	ENSMMU00000030939	-0.96376014	-0.64424473	-0.90552455	-0.41539434	-0.73233094	0.1220627	-0.6151974	0.13838024	-0.12186884	-0.17512454
A_01_P1694126	DQ148238	0.72043455	0.24952278	0.71973515	1.1298081	0.704875145	0.062327985	0.32422712	-0.6704059	0.10504416	-0.28268087
A_01_P1765121	RNF19B	0.9102206	0.5517821	2.145826	1.8663862	1.368553725					

A_01_P1707186	LOC700587	-0.67285967	-0.5437367	-1.0513793	-1.0463552	-0.828582718	0.33138224	-0.045211837	0.03590003	-0.4199745	-0.192037235
A_01_P1831676	ENSMMU00000026548	0.655167	0.55089176	0.9348216	0.8811889	0.755517315	0.1203942	-0.098394126	0.13836259	-0.1873117	-0.024474555
A_01_P1716646	ENSMMU00000044725	0.6331215	0.45508826	0.7548402	0.75358915	0.649159778	0.1683949	-0.08225881	-0.1477354	0.041171674	-0.053281863
A_01_P1768186	LOC719403	No data available	-1.6552757	-1.2863158	No data available	-1.47079575	-0.17198035	-0.05374042	0.20030521	No data available	0.20030521
A_01_P1742866	ENSMMU00000041425	0.52392584	0.31257513	1.1690185	0.5709679	0.644121843	0.2626787	-0.34701338	0.034390107	-0.01426816	0.010071646
A_01_P002144	JV702462	-1.0937604	-0.40452042	-0.84885013	-1.5041863	-0.962829313	-0.13052231	-0.5917515	0.45951118	0.06795505	0.263551165
A_01_P014535	LOC709341	-1.0954473	-0.9465626	-1.1173484	-1.62947	-1.197207075	-0.7378131	-0.5104901	0.3158472	0.53966563	0.42775175
A_01_P1741176	ENSMMU00000047915	-1.8964407	No data available	No data available	-1.3591869	-1.6278138	No data available	-0.28190774	0.50824755	-0.40511551	0.05156602
A_01_P1773816	CTSK	-1.2312515	-0.6534706	-0.52883995	-0.8205499	-0.808527988	-0.13963543	-0.25781405	0.5402178	-0.31885588	0.11068096
A_01_P1816261	A_01_P1816261	-1.1397138	-1.1096447	-0.96565795	-1.3370818	-1.138204563	-0.39871138	-0.69590956	0.17430154	0.5808396	0.37757507
A_01_P1761801	PKDK	-0.702988	-0.7195482	-0.7581265	-1.2483767	-0.85725985	0.36918822	-0.6094457	0.15740646	0.029288598	0.03226024
A_01_P007635	IQCK	-0.7411847	-0.35749686	-0.97107416	-0.5208908	-0.64766163	-0.002246724	-0.09034282	0.0396256	0.04880746	0.04421653
A_01_P1812101	A_01_P1812101	1.1482468	0.5929598	3.0083828	2.8699355	1.904881225	-1.1545653	1.1182678	-0.31656852	-0.7934591	-0.55501381
A_01_P1743096	ENSMMU00000041342	0.5111521	0.7651827	0.6595931	0.8149315	0.68771485	0.340114	0.0784215	-0.3464854	-0.16523743	-0.255861415
A_01_P1769691	ENSMMU0000002199	0.6760278	0.34746337	0.5924467	0.7500277	0.591491393	0.18232873	-0.17130691	-0.06134548	0.026981628	-0.017819326
A_01_P016084	PON1	-0.7159665	No data available	-0.7014618	-1.0388807	-0.687196667	-0.63365406	0.2886605	0.11897544	0.067734025	0.093354733
A_01_P1759256	ENSMMU00000045371	-0.6955478	-0.21440555	-0.8226034	-0.9769286	-0.677371338	-0.024747904	-0.21342984	0.22919625	-0.025703318	0.101746466
A_01_P1687306	TNFAIP8	0.9761313	0.60719424	1.0091911	1.1282047	1.030362335	-0.20952304	0.52667475	-0.97553253	0.2461285	-0.364702375
A_01_P1824041	A_01_P1824041	No data available	No data available	2.3331304	1.5642409	1.94868565	No data available	-1.009233	0.7837523	0.25685036	0.32210313
A_01_P1808191	ENSMMU00000046683	0.9280467	0.5642406	0.8420453	1.2199137	0.888561575	-0.14268203	0.7927585	-0.45514566	-0.6612137	-0.55817968
A_01_P1727326	ENSMMU00000009798	-0.6964929	-0.69373757	-0.48098794	-0.61814725	-0.622341415	0.078484744	-0.32046944	-0.19901156	-0.34725165	0.07412005
A_01_P002728	LOC714534	0.644561	0.50408953	1.3142729	1.1553626	0.994639008	-0.28569084	0.4085572	-0.04789216	-0.17379466	-0.1108341
A_01_P1789586	A_01_P1789586	-0.46350306	-0.912083	-1.0207661	-0.7744791	-0.792707815	0.4489573	-0.08400687	-0.2529332	-0.23249695	-0.241715075
A_01_P1710591	ENSMMU00000041090	0.8742224	0.39702487	0.5170852	0.76896065	0.63932328	0.3299095	-0.29158616	-0.19096053	0.070443965	-0.060258283
A_01_P1830156	LOC702002	0.35706723	1.1730382	1.143818	1.3421265	1.004012483	-0.5324901	0.79041463	-0.9286812	0.0750501	-0.42658805
A_01_P1789496	A_01_P1789496	-0.82121575	-0.4414257	-1.0327163	-0.7364319	-0.757947413	0.028332544	-0.40827885	0.41881785	-0.16842476	0.125196454
A_01_P1785251	JU492914	-0.9835154	-1.2015013	-1.9230703	-1.185567	-1.3234135	0.2478454	-1.0017653	0.22170526	0.19795094	0.2098281
A_01_P1811021	A_01_P1811021	0.7065325	No data available	0.664785753	0.71905506	0.647485753	0.16124123	-0.37092888	No data available	0.14856534	0.14856534
A_01_P1764866	THEM152	0.56165606	0.6337365	0.913186	0.48047435	0.647196378	-0.47251752	0.5169775	-0.1576345	-0.071200095	-0.114417298
A_01_P1831361	ENSMMU00000048218	0.50019914	0.22982451	1.1615927	0.5043451	0.598990363	0.16642684	-0.34110627	0.09943691	0.024225594	0.061831262
A_01_P1814136	A_01_P1814136	1.5397631	0.91721946	No data available	1.2917319	1.251385487	0.23700027	-0.32359457	-0.18995854	0.19632447	0.003164315
A_01_P1718246	ENSMMU00000044115	1.0747297	0.71556676	0.19906376	0.4460749	0.608859003	0.040606786	0.12220318	-0.13794746	-0.037640896	-0.087794178
A_01_P1801766	A_01_P1801766	-1.1057665	-0.8017156	No data available	No data available	-0.95374105	-0.41378555	0.28151268	-0.19886883	0.217413	0.009272085
A_01_P1793256	A_01_P1793256	0.56790805	0.5660502	0.84054494	0.4209653	0.596505873	-0.16918473	0.411411273	0.020134397	-0.3834368	-0.181651202
A_01_P015102	ENSMMU00000030918	0.7348923	0.6551811	0.91523904	No data available	0.76846748	-0.2841556	0.06894544	-0.035260957	0.20661034	0.085674692
A_01_P1784726	JV582016	1.4170439	0.52407837	0.3219298	1.3563286	0.904804168	0.49076876	-0.293653	-0.3727989	0.009619525	-0.181589688
A_01_P1743636	ENSMMU00000028056	0.2628326	0.73952407	0.92856103	1.0166204	0.736882275	-0.56676656	0.62324435	-0.36042225	0.080057888	-0.176182181
A_01_P1760346	ENSMMU00000042563	0.68506527	0.6707148	1.2044482	1.0940591	0.913580843	0.23446517	-0.038044584	0.109252006	-0.37495497	-0.132851482
A_01_P002478	PHF17	-0.5190055	-0.53661406	-0.64082354	-1.0174482	-0.678472825	0.09662444	-0.25449422	0.37767416	-0.33423516	0.0217195
A_01_P1719471	COB11	-0.84006137	-0.72631794	-0.5914733	-0.5854282	-0.685820203	-0.21338229	-0.5419096	0.40071192	0.17691895	0.288815495
A_01_P1755271	ENSMMU00000022971	-0.6616986	-0.082484506	-0.9143421	-0.85008115	-0.627151589	-0.19367567	-0.023840243	0.1504596	0.045570042	0.098014821
A_01_P1732116	ENSMMU00000010343	-1.1372888	-0.4171641	-0.8905964	-0.51652323	-0.74039315	0.16621566	-0.49697644	0.43077433	-0.29430002	0.071373655
A_01_P1774516	A_01_P1774516	0.99359465	0.7440979	1.3355736	2.0721128	1.286344738	-0.7204723	0.74057794	-1.4380885	0.4363753	-0.5008566
A_01_P1832251	ENSMMU00000039802	0.6028779	0.27027893	1.1327757	0.5921641	0.649519658	0.18011357	-0.06466002	0.13402052	-0.29292855	-0.081254015
A_01_P1730941	ENSMMU00000042557	0.7862641	0.55141735	0.6611784	0.7668175	0.641491338	0.21118903	-0.1620906	-0.009090258	-0.06656309	-0.07826674
A_01_P1703651	ENSMMU00000024809	0.7820231	0.80832607	0.731445	1.0635176	0.846777943	-0.24346739	0.32754073	-0.13117772	-0.018397009	-0.074787365
A_01_P1714246	PTPN2	0.61551607	0.2567195	1.0028949	0.98570377	0.71520856	-0.4237536	0.32636198	-0.19714457	0.15780243	-0.01103107
A_01_P1716496	ENSMMU00000044838	0.6738173	0.63416463	1.1986018	0.9357865	0.860585595	0.26226163	-0.293846	0.18976636	-0.24410786	-0.02717075
A_01_P1709076	EFCA85	0.54030865	0.29102987	0.85753363	0.8943328	0.645801238	0.448E-04	-1.28E-01	0.17151356	-0.06139187	0.055060845
A_01_P1722711	ENSMMU00000046463	0.7681894	0.5349314	0.6962803	0.815246	0.702161775	0.32737392	-0.1357703	-0.01237401	-0.24531156	-0.128842785
A_01_P1724007	GARNL3	-1.6074754	-1.2214893	-1.1688615	-2.0013213	-1.499286875	0.1440906	-1.3769108	0.5657275	-0.02435006	0.30403878
A_01_P1756626	ENSMMU00000001285	-0.40953928	-0.641852	-0.9227474	-0.8259308	-0.700017305	0.085079014	-0.60367167	0.17100343	0.20831221	0.18965782
A_01_P1831751	ENSMMU00000005182	0.7935158	0.1698921	0.4278664	0.47670913	0.653745858	0.44237724	0.09776259	-0.18962862	-0.5265464	-0.35808751
A_01_P1822631	JV457827	-0.20203783	-0.85536975	-0.7092427	-0.6489755	-0.603906445	-0.017529892	-0.140164	-0.055299018	0.19257577	0.068638376
A_01_P1795171	A_01_P1795171	-0.5391978	-0.45629647	-0.9532447	-0.9301489	-0.719721968	-0.044364724	-0.39810264	0.22074217	0.14547493	0.18310855
A_01_P1832176	ENSMMU00000040569	0.7130462	0.571265	0.3292182	1.0154558	0.6572463	0.21836442	-0.19219671	0.021320762	-0.07948336	-0.029058787
A_01_P1780041	JV715136	-0.89157283	-0.7275949	-0.62616146	-0.5264259	-0.692938773	-0.2168174	-0.12328148	0.24533916	0.051121466	0.148230313
A_01_P1730336	SECS3B	-0.97991735	-0.19666238	-1.3134129	-1.0501771	-0.873792433	-0.46616685	-0.0803784	-0.12893562	0.10611684	0.18634061
A_01_P018600	HAGHL	-0.3857014	-0.48208556	-0.85827076	-1.128491	-0.71363718	-0.3368122	-0.32186776	0.15950413	0.36879578	0.264149955
A_01_P1816301	A_01_P1816301	-1.2918015	-0.6433448	-1.4198959	-1.0429513	-1.099498375	-0.4070535	-0.8911361	0.40613595	0.46625313	0.0619454
A_01_P1754566	WDR19	-0.46801645	-0.24469073	-0.9480804	-0.997971	-0.664691895	0.017768415	-0.32014304	0.120673895	0.13682896	0.128678428
A_01_P1761886	AKAP9	-0.42860413	-0.85793126	-0.5010425	-1.1249852	-0.728140773	0.33136515	-0.43896487	0.18528886	0.16737373	-0.00760765
A_01_P1766191	ENSMMU00000014568	-3.0053747	-2.980702	No data available	No data available	-2.99303835	-1.443729	No data available	0.24484475	0.53348243	0.38916359
A_01_P1747366	ENSMMU00000040705	0.46018052	0.6136778	0.68190337	0.7274668	0.621483373	0.13346413	-0.04609407	0.2059935	-0.3565313	-0.0752689
A_01_P1769876	ALG8	0.63935196	0.5363554	1.0756197	0.8947577	0.77527569	-0.14156304	0.12230241	-0.18556909	-0.106059074	-0.145810032
A_01_P001021	JV663077	0.5136094	0.16984673	1.0866688	0.9640861	0.683557508	-0.010774083	0.2307656	-0.3029098	0.033320155	-0.134792823
A_01_P1702676	IZUM04	-1.7676655	-1.1543124	-1.2471343	-1.7629828	-1.484601	0.06633904	No data available	0.121078946	-0.208568	-0.043744527
A_01_P1806696	JV679161	-0.62707967	-0.63773734	-0.8217666	-0.9678063	-0.763594078	0.29930726	-0.52911973	0.054417018	0.05384785	0.054132434
A_01_P1800371	A_01_P1800371	0.5900215	0								

A_01_P1711241	RGS11	1.0178431	0.7196352	2.5968688	2.6023808	1.734181975	-0.122827284	0.39874056	-0.288831	-0.082083575	-0.185457288
A_01_P013287	GPR75	-0.4326796	-1.713735	-1.293916	-0.8396603	-1.069866625	No data availab	-0.19704767	-0.214474	-0.058594037	-0.04819183
A_01_P1733161	BEST3	-0.66572356	-0.888605	No data availab	No data availab	-0.77716203	-0.056912623	-0.2207735	No data availab	0.2394903	0.2394903
A_01_P1769556	SOX13	-0.5043044	-0.5923616	-0.88490474	-1.0249814	-0.751638035	0.35979968	-0.29369766	0.18478714	-0.38780236	-0.10150761
A_01_P1730451	POLL	-0.65052277	-0.3888603	-0.682607	-0.8793837	-0.650350075	0.02092536	-0.5306149	0.38654485	-0.02040917	0.18302284
A_01_P1818591	LOC710563	-0.6262061	-1.1290017	-1.513186	-0.9934832	-1.06546925	-0.3568155	-0.48075104	0.4659154	-0.16519377	0.315554135
A_01_P012111	ENSMUTU00000020240	-0.96453685	-0.5894863	-0.4133709	-1.2506264	-0.804505113	-0.21895231	0.08231426	-0.1781578	0.2609468	0.0413945
A_01_P004961	A_01_P004961	-1.5597405	-1.600417	-0.67357695	-1.7119886	-1.386430763	0.08307154	-1.1456217	0.24250281	0.38481364	0.313658225
A_01_P1786271	A_01_P1786271	-0.48944333	-0.5502806	-1.071179	-0.6809645	-0.697966858	0.14818609	0.09729371	-0.214474	-0.058594037	-0.136534019
A_01_P007159	GIB2	0.7262541	0.57796234	1.6052377	1.6443983	1.13846311	-0.8405265	0.10607965	0.07636661	0.39055905	0.23346283
A_01_P1680791	LOC696317	1.2624823	0.73378193	1.0851675	1.6632062	1.186159483	-0.55054265	0.74121255	-1.1410327	0.25365233	-0.443690185
A_01_P1768961	ENSMUTU0000000189	0.55718756	1.0251585	0.3422098	0.6310717	0.63890689	0.13595614	0.1301204	-0.07291779	-0.22418077	-0.14854928
A_01_P1691596	LOC715310	-1.0035462	-1.9290267	-1.788746	-1.5035415	-1.5562151	0.5370144	-1.412114	0.4781678	-0.35789022	0.06013579
A_01_P1820911	A_01_P1820911	-0.93195915	-0.58149004	-1.0790654	-1.2485839	-0.960274623	-0.23151559	-0.34377503	-0.18855886	0.56832576	0.18988345
A_01_P1744086	ENSMUTU0000040777	No data available	1.0997674	2.0518632	1.4779131	1.543181233	-0.6295789	0.5521427	No data availabl	-0.1723871	-0.1723871
A_01_P1729271	A_01_P1729271	-1.1529857	-0.8252934	-1.3063257	-0.6570339	-0.985409675	0.12425023	-0.67851925	-0.15925207	0.47484246	0.15792792
A_01_P1729011	ZNF33A	-0.2335887	-0.6732459	-0.81005454	-1.0798198	-0.699119778	-0.11699891	-0.35265929	0.21682232	-0.043626502	0.086597934
A_01_P1799036	LOC710257	-1.2142717	-0.3233541	-1.0708	-0.6586742	-0.816775	-0.3169273	-0.57152414	0.36945164	0.3015728	0.33549422
A_01_P1787896	EG703373	No data available	-1.9750499	-1.6734551	No data availabl	-1.8242525	-0.251568	No data availabl	0.29812762	-0.10396958	0.09707902
A_01_P1796176	JV514933	-0.60825586	-1.2008214	-0.443971	-0.5641619	-0.70430254	0.15259726	-0.42655078	0.7273428	-0.09496158	0.08886635
A_01_P1712676	ENSMUTU0000005052	0.83027446	0.4493259	0.76497453	0.763106	0.701920223	0.24036133	0.24929585	-0.7214197	-0.020405682	-0.370948691
A_01_P1806221	ENSMUTU0000029638	1.0500067	0.32173505	1.0644389	0.8760409	0.828054113	-0.02266775	0.19969167	-0.5560035	0.24726216	-0.15437067
A_01_P1765811	NSUN4	0.4403699	0.58569336	0.58739533	0.8923898	0.626462048	-0.13677667	0.49924883	-0.4136363	0.062101655	-0.175767323
A_01_P1705051	IL28B	1.0327358	0.47002342	0.5025605	0.46038526	0.616426245	0.3225397	-0.16103204	-0.09446242	-0.12270519	-0.108583805
A_01_P1713156	PLEKHG4	-0.6390217	-0.38642284	-0.99120927	-0.9706713	-0.746831278	0.14439157	-0.5074807	0.3471273	-0.12150944	0.11280893
A_01_P1682521	LOC713488	-1.250696	-3.4932213	-1.8905555	-3.5889142	-2.54829675	0.7273619	-1.5712156	0.37135285	-0.48539573	-0.05702144
A_01_P1740756	RRAGB	-0.6350242	-0.4261015	-0.833659	-0.74915385	-0.660984638	0.065460674	-0.055232325	0.14268297	-0.17270246	-0.015009745
A_01_P1689451	LOC709709	-0.9346008	-0.88240606	-1.1519054	-1.4095848	-1.094624265	0.28923836	-0.2851872	0.42452072	-0.2249672	0.09977
A_01_P018131	TAS2R60	No data available	-1.4212786	No data availabl	-1.6364186	-1.5288486	0.2703903	0.5514212	-0.67329884	-0.51196647	-0.592632655
A_01_P1828601	JV553910	-1.528155	-0.89235157	-0.66477567	-0.9488548	-1.00853426	-0.34999734	-0.5645807	-0.08605758	0.6754863	0.29471436
A_01_P1694676	ZNF267	0.8156485	0.43002005	1.6994475	1.8097568	1.188927213	-0.29037175	0.353804	-0.8559093	0.43898058	-0.213350175
A_01_P1775311	JV542624	-0.4583891	-0.7745789	-0.7857723	-0.5854755	-0.65177395	0.23012498	-0.5002721	0.30863622	-0.18187962	0.06373793
A_01_P1748886	LOC705720	-1.3659142	-0.4870174	-1.3801711	-0.3127086	-0.886677825	-0.28095958	-0.18519264	-0.12004719	0.46180675	0.17088073
A_01_P003073	PD2P	-1.2421974	-0.8217555	-1.2601605	-1.3849411	-1.2672612	0.004844691	-1.3849411	0.04702256	0.19062075	0.333121655
A_01_P1742461	PNNM3	0.53838625	No data availabl	0.9526905	0.83719325	0.774573333	-0.4284671	0.31828076	No data availabl	0.014050629	0.014050629
A_01_P1712766	ENSMUTU0000039357	0.573082	0.39571548	1.0997746	0.63135055	0.674981783	-0.16394168	-0.023363687	0.026370626	-0.1891058	-0.081265587
A_01_P007660	ENSMUTU0000007680	-0.70661664	-0.45007366	-0.62324033	No data availabl	-0.59331111	No data availabl	0.08177687	No data availabl	-0.08670324	-0.08670324
A_01_P1743251	ENSMUTU00000031031	0.5012875	0.43326643	0.75796866	0.70104146	0.598391013	0.15762033	-0.008617249	-0.023801427	-0.1410293	-0.082415364
A_01_P1686411	GCH1	1.8910743	0.72255427	1.4829082	1.4057364	1.375568293	0.07437212	0.9870576	-1.0554161	-1.0475154	-1.05146575
A_01_P1788616	JU349901	-0.9261245	-1.2131559	-0.82961327	-1.0459951	-1.003721293	0.48170066	-0.85147065	0.22746659	-0.18667118	0.020387705
A_01_P1734226	RAB35	0.3433419	0.3927702	0.56771743	0.8975366	0.500341533	-0.31544247	0.40639658	-0.34222755	0.04067902	-0.150774265
A_01_P019113	EMLS	-1.5453391	-0.95369846	-1.2499588	-1.5832126	-1.33305149	-0.17781626	-1.2146525	0.59051603	0.23792794	0.414221985
A_01_P008495	LOC696389	-0.53697336	-0.7104357	-1.0053817	-1.42011064	-0.79397429	0.47303188	-0.2506987	0.007322807	-0.38833314	-0.188255166
A_01_P1827506	A_01_P1827506	-0.7700451	-0.9480894	-0.79253566	No data availabl	-0.836890053	-0.31564742	-0.44786559	-0.012197521	0.5575838	-0.27693144
A_01_P1779269	A_01_P1779269	-0.17968681	-0.88344204	-0.7966447	-1.1893111	-0.762271163	0.3592682	-0.12353514	-0.04520403	-0.56857895	-0.156299119
A_01_P1677207	ENSMUTU0000013321	No data available	No data availabl	2.2747047	1.602667	1.93868585	No data availabl	-1.281599	0.31745678	0.42495292	0.37120487
A_01_P1742626	FAM3A	0.6655213	0.48635226	0.9117958	0.6233056	0.67174374	0.18801846	0.004404625	-0.09577379	-0.11720165	-0.1064887
A_01_P006243	LOC715757	0.572694	0.35081202	0.98672396	0.554074	0.616075995	0.26170844	-0.09988821	-0.6030395	0.27456784	-0.16423583
A_01_P1700021	LOC720498	-0.90786344	-0.16452625	-1.0045474	-0.9103793	-0.75705698	-0.25329062	-0.3585862	0.3980905	0.07223419	0.235162345
A_01_P001703	MTX1	0.787006	0.49478212	1.1592741	1.5755199	1.00414553	-0.13227257	0.84088683	-0.8826315	-0.4072128	-0.64492215
A_01_P1824281	A_01_P1824281	-0.8106099	-0.9342007	-1.0881643	-1.15589407	-1.0242589	-0.12217075	-0.16698545	-0.13461159	-0.17447712	0.020157765
A_01_P1784312	A_01_P1784312	0.3457373	0.7195273	No data availabl	0.9368861	0.667983567	No data availabl	-0.10604279	No data availabl	0.09877923	0.09877923
A_01_P1703871	ENSMUTU00000038680	0.56321186	0.25899425	1.0982114	0.95018004	0.627649388	0.18516217	-0.36282859	0.030374825	-0.08793656	0.060055693
A_01_P014192	A_01_P014192	0.7197549	0.13198487	1.3739827	1.4121004	0.909456718	0.0070502	0.49976075	-0.4350923	-0.24900696	-0.34204963
A_01_P1718276	NF2	0.6638792	0.5517886	0.5490509	0.6293533	0.598518	0.16490294	0.045007374	-0.10141937	-0.12799037	-0.11470487
A_01_P1765526	HIVEP3	0.19634128	0.6083872	0.68901134	0.8779389	0.59291968	-0.15463017	0.358985	0.06405016	-0.37012127	-0.153035555
A_01_P1738581	ENSMUTU00000038974	0.6557231	0.530918	0.6391218	0.7586335	0.646099188	0.16624814	-0.120919468	0.07433145	-0.1433901	-0.034529325
A_01_P1792331	JV620264	-1.3160334	-1.5098529	-0.75704455	-1.1719387	-1.188717388	0.13384539	-0.8775926	0.2918962	0.18172431	0.236810255
A_01_P1800841	LOC100424022	No data available	No data availabl	3.2069864	2.01403818	2.8086841	-1.789964	-1.5377064	0.26948	1.1117091	0.6905455
A_01_P1738016	ENSMUTU00000022973	-0.95466226	-1.0724459	-0.45254636	-0.56497496	-0.76115737	0.11577331	-0.30082708	-0.16085476	0.2751984	0.05717182
A_01_P1695511	FAS	0.70541567	0.17497991	1.2378901	1.0323566	0.67768532	-0.13953975	0.5283755	-0.4070613	-0.10733194	-0.28904662
A_01_P013434	JV646637	-0.6689263	-0.7185625	-0.65715483	-0.9306927	-0.696334083	0.044283047	-0.50891334	0.49942514	-0.23035088	0.1345317
A_01_P1783276	LOC701865	0.71752644	0.39585786	1.1636554	0.6231751	0.7249862	0.15275986	-0.23806313	-0.37175262	0.34207657	-0.014838025
A_01_P1832546	ENSMUTU00000047585	0.65094	0.61586946	2.0594819	0.8414554	1.04193669	0.27042395	0.022460606	-0.07012281	0.25760204	-0.173312425
A_01_P1724971	LOC712485	-0.902378	-0.53876036	-1.0599395	-1.3061144	-0.951798065	0.24737692	-0.6125669	0.5158581	-0.4585873	0.0300004
A_01_P1820761	A_01_P1820761	0.89368916	No data availabl	1.0426655	No data availabl	0.96817733	-0.034921825	No data availabl	No data availabl	0.034096364	0.034096364
A_01_P1751591	ENSMUTU0000010131	No data available	No data availabl	0.9470555	0.6590241	0.8030398	-0.08308785	-0.2726703	0.2099706	0.099651195	0.154810898
A_01_P1708936	ENSMUTU0000042068	0.48614746	0.77524894	0.8304883	0.8142618	0.726356625	0.35743347	-0.001121207	-0.23813766	-0.17941613	-0.218039645
A_01_P1786511	CYFIP2	-0.6116961	-0.49633268	-0.70499206	-0.98218167	-0.698800628	0.16165996	-0.49454737	0.19367515	0.03976427	0.116735789
A_01_P001599	ENSMUTU00000022653	0.59697443	0.4792685	0.90338963	1.3006619	0.820073615	-0.				

A_01_P003487	CHST11	0.5155259	0.3173004	1.1479609	1.1147357	0.773880725	-0.41405317	0.18376394	-0.48580402	0.48495868	-0.00042267
A_01_P17700831	ENSMMU00000044424	0.82130396	0.4244107	0.4906214	0.83969015	0.64406553	0.32565117	0.12799932	-0.11507129	-0.08880462	-0.101937955
A_01_P1797851	A_01_P1797851	1.1702923	0.6446913	0.57719797	0.8278461	0.805066918	-0.357261	0.20737156	-0.30066092	0.32528418	0.101229408
A_01_P1720321	ZDBF2	-0.89495075	-0.83834386	-0.9220424	-0.90829456	-0.890907893	0.30367485	-0.7903479	0.18306257	0.07363477	0.12834867
A_01_P1702771	GN411	0.19153911	1.0224	0.5570712	0.6755335	0.611636403	-0.44023246	-0.13191956	0.09455534	0.35910663	0.226830985
A_01_P1670491	PPARA	-0.6840948	-0.2257275	-0.6717276	-0.9641283	-0.63641955	0.10046825	-0.43439293	0.36955003	-0.15848029	0.105510005
A_01_P1726701	LOC717806	1.2675018	1.3749831	No data available	No data available	1.32124245	0.23174371	0.36709368	-0.4202077	-0.34249327	-0.381350035
A_01_P1720506	IGFBP5	-0.1793719	-1.2885658	-1.7161267	-1.29114	-1.3438011	-0.01911938	-1.1374593	0.6346633	0.008673788	0.321668544
A_01_P1726836	POLD3	0.54099697	0.36927718	0.7597944	0.76346964	0.608384548	-0.14292964	0.41353337	-0.36607698	-0.019626355	-0.192851668
A_01_P015855	CN802789	-0.56420743	-0.7679476	-0.765806	-0.76718694	-0.716286993	0.31371275	-0.46762827	-0.019843247	0.067095555	0.023626154
A_01_P019574	JU341905	-0.7609079	-0.82121193	-0.4394267	No data available	-0.673848843	-0.025045626	0.42956036	-0.11475039	-0.42111853	-0.26793446
A_01_P013647	CSRN1P	0.52618486	0.3871708	1.4046434	1.3682182	0.921554315	-0.256942	0.79945713	-0.53954273	-0.44476295	-0.49215284
A_01_P1706927	ENSMMU00000030945	0.5256503	0.3752012	0.883407	0.8722784	0.664134225	-0.42753986	0.39675057	-0.38004044	0.22837688	-0.07583178
A_01_P1671376	MYD88	1.106201	1.1254476	0.58311987	0.8310033	0.911442943	0.2082226	0.5176844	-0.21887246	-0.8524497	-0.53566108
A_01_P003385	FAM117A	-0.56901294	-0.47402954	-0.5047148	-0.9375309	-0.621322045	0.018416861	-0.38606298	0.06953532	-0.22966039	0.149597855
A_01_P1695161	LOC720040	0.49045712	0.47845945	0.8057844	1.0385334	0.714559643	-0.40984884	0.5805404	-0.086106874	-0.31267127	-0.199389522
A_01_P012442	BAK1	0.883791	0.54425865	0.7939114	0.7255508	0.715717463	-0.09887034	0.573063	-0.4297088	-0.2386862	-0.3567885
A_01_P175901	JV537920	-0.6439754	-0.9167486	-0.45196846	-0.9198425	-0.733127805	0.41141206	-0.33678984	-0.20897189	0.01871704	-0.095127425
A_01_P1680991	CASP7	-0.14190273	0.4660035	0.89919696	0.91667104	0.603623558	-0.03338533	0.46261381	-0.40063897	-0.14512995	-0.27100846
A_01_P1762456	ENSMMU00000041767	0.85223943	0.42454782	0.91034657	0.79356666	0.74512262	0.24345033	-0.36404477	0.028852532	0.027150583	0.028001568
A_01_P1704771	SYNE4	-0.78009015	-0.87601364	-0.5421014	-0.5980646	-0.699067538	-0.04808694	-0.2337571	-0.05959796	-0.28887127	0.248964615
A_01_P1779951	A_01_P1779951	-0.7267859	-1.2515308	-1.0029643	-1.7374048	-1.17967145	0.4075599	-0.9998454	0.19339436	0.042721435	-0.118057898
A_01_P1818491	A_01_P1818491	0.8218802	0.27623603	0.6435973	0.52909535	0.56770222	-0.20247017	0.30562037	0.1387752	-0.33275515	-0.09689975
A_01_P002298	CDC42EP2	0.8205983	0.1528307	0.7894157	0.63447106	0.59932894	0.013264225	0.28537443	-0.21664362	-0.1337301	-0.17518686
A_01_P1710506	ABC9A	-0.67433965	-0.47671086	-0.9615562	-1.0251056	-0.784428078	0.43054673	-0.1783566	0.04196489	-0.43629155	-0.19176333
A_01_P1800741	A_01_P1800741	-1.0165472	-1.1619924	-1.0397443	-1.2422594	-1.115135825	-0.33352417	-0.5593348	0.026992261	0.59359008	0.310246531
A_01_P1751366	ENSMMU00000022329	-1.3908783	-0.4204267	-1.1965566	-0.70244664	-0.927581515	-0.3259678	-0.2080802	0.51373255	-0.13795039	0.18789108
A_01_P1678721	B4GALT1	0.41524428	0.4840542	1.0125661	1.2507455	0.79065252	-0.5069551	0.59854835	-0.41336885	0.044371106	-0.184498872
A_01_P1711431	ENSMMU00000009371	-0.5591723	-0.14569048	-0.53691274	-1.0065227	-0.629574555	-0.13163559	-0.01285931	0.2854293	-0.18884484	-0.48290545
A_01_P1834357	LOC697860	0.8423467	0.7664765	0.4896235	0.8444406	0.735721538	0.28497007	0.028414164	-0.14840794	-0.2184666	-0.18349706
A_01_P1806786	LRAT	-1.4354945	-1.4970237	-0.9506342	-0.38667893	-1.067457833	-0.46146494	-0.5828122	0.71613294	-0.053916164	0.331103888
A_01_P1722591	NRA3	0.9620065	1.1336818	1.1099151	1.7607369	1.2340706	-0.5473816	0.89012444	-0.38979045	-0.453045145	-0.453045145
A_01_P1727316	ENSMMU00000043750	-0.8567825	-0.1170456	-0.63698417	-1.1630185	-0.943457693	0.14213885	-0.56522954	-0.29757458	0.4926152	-0.09752031
A_01_P007111	HECTD2	-0.9771053	-0.7969194	-0.45064035	-0.37197804	-0.649160773	0.08341959	-0.05838604	0.058816694	-0.09153875	-0.016361028
A_01_P1671581	GPR11	0.93659735	0.48874998	0.328335	0.65176624	0.601362143	-0.22315727	-0.107204296	No data available	0.2808686	0.2808686
A_01_P1718306	LOC715315	-0.99676365	-0.13750613	-1.5446031	-0.9911716	-0.91764612	-0.21095785	0.001365507	-0.024896365	-0.020869429	-0.010684929
A_01_P1687036	ENSMMU000000041705	-2.562477	No data available	-2.4671166	-2.5296671	-2.519753567	-0.2780883	-0.355552	0.65625366	-0.29038626	0.1829696
A_01_P1800986	A_01_P1800986	0.19264048	0.7180433	0.80140615	0.81026524	0.630588793	-0.3126164	0.1316879	-0.2737417	0.1715641	-0.050905035
A_01_P1785386	IRG1	1.2033546	0.07136645	3.850481	4.4482613	2.393365838	-1.8846961	-1.6471704	-2.604891	1.6984643	-0.45321335
A_01_P1778447	ENSMMU00000039723	-1.0060804	-1.0656687	-0.44511387	-0.51299036	-0.756059333	0.2583176	-0.5178925	0.19619604	-0.019317374	0.071334333
A_01_P1729706	ENSMMU00000007967	0.5979874	0.58491606	0.42899406	0.79258907	0.601121648	0.1446293	-0.23425885	0.13583005	-0.08055695	0.027647378
A_01_P1819991	A_01_P1819991	-1.1297429	-0.3946326	-1.365482	-1.611473	-1.118094175	-0.44126856	-0.43768024	0.27285898	0.39724728	0.33505313
A_01_P012770	JU326937	-0.543474	-0.35811827	-0.3065244	-0.96894467	-0.620000335	-0.21086161	-0.3659707	-0.006525222	0.44822297	0.220983874
A_01_P1749036	CHY1	0.81245065	0.585018	0.986038	1.2341958	0.904425613	-0.17175221	0.8194659	-0.5575207	-0.5820747	-0.569784285
A_01_P1678131	CO4A3	-2.1997344	-0.96156925	-1.1276546	-1.8507243	-1.572143388	-0.76145226	-0.3935888	0.7418757	0.30428537	0.353795165
A_01_P1775381	A_01_P1775381	0.1938165	0.56775814	1.166593	0.9231792	0.71283671	0.09971829	0.31039643	-0.06335955	-0.45136222	-0.257359085
A_01_P013646	JV709789	0.74261177	0.2503842	0.8202162	0.9726245	0.696833973	-0.22315587	0.13196895	-0.33073356	-0.3014512	-0.31591238
A_01_P008326	JV666145	-0.79121307	-0.9610313	-0.40539086	-0.37925862	-0.616223363	0.20320535	-0.36652035	-0.18065033	-0.007358092	0.050623619
A_01_P18008326	ENSMMU00000000126	-0.79269266	-0.06331489	-1.005239	-1.09212132	-0.78345713	-0.24848475	0.12502535	-0.24051498	-0.288363	0.02392401
A_01_P1680001	ELMOD1	0.37195686	0.84175074	No data available	1.0200375	0.7445817	0.121604815	-0.10013709	0.29999748	-0.41892818	-0.05947435
A_01_P1770436	ENSMMU00000044586	0.7742535	0.4960804	0.75413334	0.8541778	0.71966126	0.30254048	-0.17515877	-0.10338202	-0.1260548	-0.16249375
A_01_P1762141	LOC698727	0.6939901	0.27195993	1.314497	0.85118514	0.782908403	0.06797047	0.40725545	-0.7548734	0.046841577	-0.354015912
A_01_P1794586	A_01_P1794586	-0.9100109	-0.9691256	-1.1579062	-0.5870904	-0.906032725	No data available	-0.14985275	0.13574184	No data available	0.13574184
A_01_P1784686	JV727237	-0.83137256	-0.7713451	-0.71410906	-0.17136414	-0.622047715	-0.014663904	-0.4745253	0.19466984	0.1965403	0.19650077
A_01_P1806086	A_01_P1806086	-0.75505626	-0.9741601	-1.0772411	-0.563198	-0.842413865	0.105499975	-0.059693392	-0.2983415	0.20348692	-0.04772765
A_01_P008287	JV580713	0.8585263	0.5231655	1.2321594	1.3080941	1.003736325	-0.6107015	-0.2737396	-0.8481174	-0.17170301	-0.509910205
A_01_P1752896	MEGF10	0.7086138	1.1697356	0.96595895	No data available	0.948102783	No data available	-0.2988107	-0.2782055	0.44681197	0.084303235
A_01_P1688366	TIFA	0.6048993	0.20888938	1.1673949	1.4175748	0.849689595	0.2059115	-0.2443517	-0.076736994	0.07613529	-0.000300852
A_01_P1738201	PCMTD1	-0.6754916	-0.8915339	-0.3223684	-0.9301612	-0.704888775	0.3204027	-0.49120616	0.15352482	-0.084062375	0.034731233
A_01_P1820341	ENSMMU00000000126	-0.5345814	-0.8354045	-0.13539366	-0.98180187	-0.621795358	-0.2408898	0.057352064	-0.03806383	0.08890605	-0.07501611
A_01_P1689546	ENSMMU00000033161	-0.3301222	-0.69841963	-0.5075605	-0.9147994	-0.612725433	0.17659791	-0.4619218	0.24881792	-0.065622896	0.091597512
A_01_P1750011	GCH1	1.7743745	1.2770117	1.2760122	1.3204885	1.273470725	-0.059225634	1.0095172	-0.9249943	-1.09991842	-0.06206425
A_01_P003654	RALGPD5	-0.5526926	-0.8488487	-0.9765447	-1.042329	-0.855104325	0.23593563	-0.7349801	0.20949145	0.09111477	0.15030311
A_01_P1761871	AKAP9	-0.8218023	-0.69887435	-0.2444942	-0.8791662	-0.661084263	0.04172632	-0.28367093	0.29153776	-0.028813446	0.131362157
A_01_P017521	JV528645	-0.7146	-0.21549106	-0.99705285	-1.2107617	-0.784476403	-0.009240837	-0.41681275	0.37917778	-0.063847706	0.157665037
A_01_P1808371	A_01_P1808371	-0.9231368	-0.9634182	-1.3574144	-0.8392464	-1.0208039	0.4607732	-0.23514808	-0.16075796	-0.10322526	-0.13199161
A_01_P1831246	ENSMMU00000038919	0.50578743	0.3863166	0.70230186	0.7484131	0.573783513	0.10430921	-0.07480942	0.29124743	-0.4114736	-0.060113085
A_01_P1831321	ENSMMU00000016622	0.6581961	0.6884599	0.589550736	0.91481894	0.799244325	0.22686504	0.050792757	-0.0742609	-0.24441679	-0.15942416
A_01_P1699946	ENSMMU00000048192	0.5622973	1.1423012	0.36469373	0.57146764	0.660189968	-0.				

A_01_P169456	AB513674	1.1797892	1.0632664	0.16721445	0.95549667	0.84144168	0.33623958	-0.090734236	-0.55320466	0.159615	-0.19679483
A_01_P1719766	ENSMMU00000011877	-0.5497417	-0.3053537	-1.1511748	-1.0449494	-0.762804818	0.16510189	-0.3460712	0.15260762	-0.028477583	0.06206510
A_01_P1808226	A_01_P1808226	0.8861149	0.29033318	1.8934726	1.5357012	1.15140547	0.30502775	0.45502827	-0.4679371	-0.57612526	-0.52204405
A_01_P1692071	FM05	-0.6341766	-0.77839816	-0.6279484	-0.44447586	-0.621249755	0.3648997	-0.0467286	0.10450838	-0.13026968	-0.01288065
A_01_P1806496	JV057207	-0.9025441	-0.5683736	-0.6473766	-0.97451234	-0.77320166	0.3219754	-0.46584627	0.24671987	-0.2525588	-0.002919465
A_01_P1736636	IL18R1	0.6654039	0.7419542	0.9252441	1.6591902	0.9979481	0.0771813	0.70286745	-0.8727501	-0.3748167	-0.6237834
A_01_P1761161	ENSMMU00000042334	0.7465661	0.46455	0.6141333	0.8357227	0.665243025	0.22971554	-0.17934403	0.018134115	-0.10215985	-0.04200368
A_01_P1702641	ENSMMU00000019303	0.8158782	0.59986055	0.48734266	0.90807444	0.702788963	0.27857792	-0.11603133	-0.09555794	-0.10723023	-0.101394085
A_01_P1814976	A_01_P1814976	1.4672009	1.1254256	2.1584997	1.5672572	1.57959585	0.22770539	0.40419555	-2.0031853	0.32910022	-0.83704254
A_01_P1758391	LOC701085	-1.7478032	No data available	-2.2054865	-1.0792953	-1.677528333	-0.31804317	0.32365018	-0.58228276	0.35439023	-0.113947765
A_01_P003594	LOC704627	-1.5144056	-0.9155924	-1.1876901	-0.9893739	-1.1517655	0.10539431	No data available	0.27460223	-0.48489082	-0.105144295
A_01_P1801456	LOC708822	-1.5751761	No data available	-1.6387275	No data available	-1.6069518	-0.2881879	-1.25E-04	No data available	2.40E-01	0.2402003
A_01_P1770326	ENSMMU00000044674	0.7411388	0.09691087	1.1564121	0.891569	0.721507693	0.30165526	-0.40791017	0.06366449	-0.04601088	0.008826805
A_01_P1680451	LOC698176	0.56049025	0.31011403	0.790723	0.7770379	0.609591295	-0.038767412	0.5240361	-0.5011495	-0.18115333	-0.34115114
A_01_P1733066	ENSMMU00000006726	0.9117406	0.6083181	1.4187205	1.0388043	0.994395875	0.3754555	0.12552808	-0.6418371	-0.042534977	-0.342186039
A_01_P1779721	A_01_P1779721	0.14540154	0.79655576	0.5256891	1.0248181	0.623116125	0.19130279	0.22270766	-0.4039693	-0.096178085	-0.250073693
A_01_P1832676	ENSMMU00000044445	0.6349024	0.4171973	0.95947605	0.7741952	0.696239805	0.17981632	-0.19458763	0.05176986	-0.06355705	-0.005893595
A_01_P1796431	A_01_P1796431	-0.64091533	-0.56582296	-0.7811558	-0.9445825	-0.733110585	-0.25539473	-0.5789001	0.4200512	0.20768091	0.133866055
A_01_P1761191	NUPRIL	-1.0590726	-0.20911452	-0.9892977	-1.0389065	-0.824097843	0.077025935	-0.2390988	-0.7009799	0.20611173	-0.251934085
A_01_P1792941	A_01_P1792941	-0.45955348	-0.66232155	-0.866135	-0.5734005	-0.639330133	-0.52695847	-0.15134688	0.15878363	0.36650807	0.26264585
A_01_P1762171	ENSMMU00000029956	-1.1670697	-1.2646453	-0.8098225	-0.7639217	-0.31013723	0.24726608	-0.7423206	0.03907852	-0.24323055	0.141654535
A_01_P1676861	CBFA272	-0.9961186	-0.29616526	-1.0834079	-0.9577745	-0.833366565	0.11244285	-0.34955528	0.14708906	0.038132474	0.092610767
A_01_P1755996	FGA	No data available	0.94151664	1.0831221	No data available	1.01231937	No data available	-0.018478358	No data available	0.018244503	0.018244503
A_01_P1769916	LOC712826	No data available	1.2348322	No data available	1.3134192	1.2741257	No data available	0.37697893	0.023089346	-0.5453032	-0.261106927
A_01_P1722881	ENSMMU00000046396	0.44072422	0.25418654	1.0459566	0.76535916	0.62655663	0.13597162	-0.08171542	0.115448856	-0.19607563	-0.040313388
A_01_P1731348	ENSMMU00000010371	-0.4759774	-0.5476293	-0.38360113	-1.0642534	-0.617865308	-0.061481602	-0.19157162	-0.109100825	0.3090637	0.09991437
A_01_P1704821	ZNF729	-1.0483603	-0.3181417	-0.9654586	-0.6744288	-0.751596165	-0.14768195	-0.11310066	0.5600821	-0.517981	0.02105055
A_01_P1824116	A_01_P1824116	-0.6335094	-0.64835334	-1.2007532	-0.4980807	-0.74516731	0.06995269	-0.029122518	0.019719835	-0.06410488	-0.022192523
A_01_P1710781	LOC710441	0.44873175	0.58431304	1.8073447	2.0065994	1.211769723	-0.58517949	0.62471426	-0.9007848	0.32875955	-0.286012625
A_01_P1702126	LOC706436	-1.1288421	-0.5552189	-1.9457413	-1.1368457	-1.191662	-0.18039005	-0.29073757	-0.061891392	0.42443272	0.181270666
A_01_P1712831	NOD2	1.0698347	0.6649443	1.3988289	1.6452577	1.06853035	-0.37821975	0.7320223	-0.71525383	-0.08067635	-0.386660733
A_01_P1675686	ENSMMU0000006594	0.865531	0.63432413	1.341069	1.1426995	1.115928033	-0.55989844	0.75976247	-0.5857225	-0.055706967	-0.320714734
A_01_P1754266	STK328	No data available	No data available	-2.0314252	-2.0368233	-2.03412425	0.31555757	-0.13195875	0.28951573	-0.68806493	-0.1992746
A_01_P006693	JU484364	1.807161	0.34374878	0.9913357	1.0971738	1.05984582	0.19357665	-0.75844944	-0.77611083	-0.78903024	-0.78000577
A_01_P1832426	ENSMMU00000045671	0.6841559	0.46525836	0.48612168	0.5765629	0.59528946	0.2077868	-0.2526713	0.017447438	-0.009290427	0.004078527
A_01_P1743141	ENSMMU00000031118	-1.2765307	-1.1308814	-1.3284183	-1.0996612	-1.2089484	0.10396663	-0.56241069	-0.4433303	-0.00621293	0.131358685
A_01_P1723611	TRPM3	No data available	-2.534385	-2.4700277	-2.476666	-2.4936929	0.13603486	-0.64659084	0.575527	-0.3731908	0.0116181
A_01_P1831431	ENSMMU00000021436	0.71739936	0.4561057	0.9672817	0.7646785	0.726366315	-0.21586326	-0.26934445	0.11697227	-0.1133516	0.001818555
A_01_P1722066	LOC699413	0.7886949	No data available	1.1387823	No data available	0.9637386	-0.23065154	No data available	-0.14742534	0.31601796	0.08429631
A_01_P001181	LOC71441	0.4874284	0.1966673	0.7887533	1.2028599	0.668977333	0.2534482	0.19310209	-0.5340646	-0.037826262	-0.285945431
A_01_P1753801	ENSMMU00000027249	-0.33487535	-0.81776446	-1.0554681	-1.684041	-1.123037228	0.034469873	0.02002022	-0.05612217	No data available	-0.05612217
A_01_P1740761	KLF8	-0.2780662	-0.6760787	-0.46247515	-1.1167103	-0.63332588	0.19469464	-0.26723915	-0.039299544	0.07242508	0.016562768
A_01_P001169	LOC719179	1.931624	0.96886986	No data available	1.4743125	1.458268787	-0.048386406	-0.7014588	0.83159876	-0.6475209	0.09203893
A_01_P010970	WDR19	-0.4424212	-0.4340942	-0.5922351	-1.0695425	-0.63457325	0.09579764	-0.46254674	0.06325649	0.21514267	0.13919958
A_01_P1758824	ENSMMU00000023177	1.3819424	No data available	No data available	1.921577	1.6517597	-0.2682358	No data available	No data available	0.22609624	0.22609624
A_01_P1831516	LOC710042148	0.644473	0.27489296	0.9504766	0.5017582	0.59290019	0.25487408	-0.2080339	-0.09344194	0.005426155	-0.044007893
A_01_P1670271	CXCL11	2.2430692	0.50004584	2.1821659	2.4541993	1.869743335	0.32685736	0.77985376	-1.4705381	-0.5822588	-0.12398445
A_01_P003859	CXORf21	1.1519763	0.16507873	1.3565171	0.7396967	0.898317208	-0.22149509	0.1956131	-0.5120789	0.37435552	-0.06866169
A_01_P1741021	LOC100421418	0.44261262	0.61600017	0.6359277	1.2513286	0.673858915	-0.21284959	0.14064382	-0.31589508	0.30032226	-0.00778641
A_01_P1754821	PRKG2	-0.45048416	-0.966354	-0.8083272	No data available	-0.741736787	0.22970381	-0.271330085	0.051765382	-0.001683488	-0.001683488
A_01_P1786556	LOC705400	0.6144813	0.69787455	0.27672064	0.71716824	0.590189723	-0.01857295	0.010565937	0.051765382	0.051656795	0.003098716
A_01_P1734366	WDR66	-0.6523771	-0.8314001	-0.8082858	-1.0408043	-0.833216825	0.5361586	-0.42180598	-0.112006074	-0.1875425	-0.149771587
A_01_P1717261	ENSMMU00000009135	0.4288217	1.2768685	0.522737	1.2651439	0.873392775	-0.025024366	0.06355439	-0.70789015	0.4435471	-0.132171525
A_01_P1803246	LOC705637	0.651817	0.8156474	0.65782475	0.8790518	0.751085238	-0.040982746	-0.24518079	0.29125628	-0.05800452	0.11662588
A_01_P1722226	TNFSF8	0.42076632	0.4510043	1.1538728	1.0895123	0.77878893	-0.15583599	0.39162263	-0.47728103	0.10056	-0.18860515
A_01_P009281	C3H7orf23	-0.8025247	-0.6270466	-0.632306	-1.1833773	-0.811310665	0.13535592	-0.65486806	-0.36473235	-0.00828517	-0.166951917
A_01_P1769996	NCF2	0.5297795	0.4554405	1.4033543	0.52192974	0.72762601	-0.12804317	0.23522892	-0.16238746	0.023603441	-0.06939201
A_01_P1718281	ENSMMU00000025805	1.1412846	1.2430122	2.7526495	No data available	1.712315433	0.12160497	0.5709952	-1.65282	0.14859512	-0.02711244
A_01_P1694991	CYR61	1.430702	0.46020228	0.6374628	1.2813131	0.952420045	0.24940443	0.27794147	-0.7289854	-0.006518227	-0.367751813
A_01_P1745756	ENSMMU00000040144	0.67361015	0.5754167	0.813319	0.9371991	0.749886238	0.23282447	-0.13052002	0.007528298	-0.13965787	-0.06604786
A_01_P1828971	JV66069	-0.8455626	-0.739307	-0.6875229	-0.8805373	-0.78818745	-0.007193537	-0.60763854	0.3883836	0.06197645	0.222907405
A_01_P1831046	JU329421	0.5325115	0.7335686	1.0252627	0.8303708	0.8349284	-0.8035244	0.0467384	-0.17557901	-0.5967997	0.210610345
A_01_P013813	PPM1K	-0.9470987	-0.7441541	-1.3418983	-1.3373953	-1.0926366	-0.08400832	-0.6588219	0.35269195	0.1968976	0.274794775
A_01_P1739891	ENSMMU00000048129	0.54279894	0.38138795	0.89949095	0.73185065	0.6388821	0.3082968	-0.1333878	-0.02070517	-0.15041003	-0.0852426
A_01_P1796531	A_01_P1796531	-0.67004865	-0.9582534	-1.0519928	-2.2498628	-0.726713268	-0.33008513	0.044190813	0.48831812	-0.37595135	0.056183385
A_01_P1800356	JV628905	-0.62585914	-0.5205381	-1.0857119	-0.7405918	-0.67416676	0.13715173	-0.5647336	0.15703523	0.14951223	0.15327373
A_01_P1831376	ENSMMU00000048159	0.5805504	0.40116847	0.64784616	0.6866579	0.579055733	0.12985668	-0.05345451	0.10051374	-0.20076147	-0.050120665
A_01_P173281	PTPRQ	-2.241094	No data available	-2.255892	No data available	-2.248493	-0.37790293	No data available	0.697297	-0.11755321	-0.00911755
A_01_P018376	CDCD71	-0.93481445	-1.5280559	-0.8542914	-1.030578	-1.086934938	0.31694603	-0.10211058	0.16377634	0.1868451	0.17531072
A_01_P1769816	ENSMMU00000000014	0.70030975	0.16991766								

A_01_P1832281	ENSM0000000023871	0.8591284	0.56578857	0.39258	0.6186222	0.609029793	0.32407874	-0.13588302	-0.14799301	-0.09616329	-0.12207815
A_01_P1736441	LOC705927	1.4154319	1.020185	1.765023	2.6868055	1.72186135	-0.48880437	1.2008755	-0.2080719	-0.42448568	-1.23127879
A_01_P018336	A_01_P018336	0.630608	No data availabl	0.9347206	1.1418041	0.902197567	0.8147806	-0.38337296	-0.34334067	-0.54383226	-0.443411965
A_01_P1831531	ENSM0000000043378	0.77818054	0.47464335	0.73872674	0.84069306	0.780060923	0.24537411	-0.20806690	-0.026135553	-0.048627768	-0.037381661
A_01_P000168	A_01_P000168	-0.7160161	-0.45682642	-0.721625	-0.72476095	-0.654807118	-0.1651733	-0.5052869	0.24795213	0.28320734	0.265129685
A_01_P1750571	ENSM0000000039653	No data available	0.6407211	0.8578675	0.8633438	0.7873108	0.00443207	No data availabl	No data availabl	-0.041292068	-0.041292068
A_01_P1721771	LOC722440	0.9555858	0.37359136	1.076373	0.72218734	0.781934375	0.2080435	-0.4691546	0.26857212	-0.12362826	0.07247193
A_01_P1832206	ENSM0000000036863	0.6153331	0.4553996	1.2240888	0.71666753	0.752872348	0.2199134	-0.295728	1.17031614	-0.15944372	0.00543621
A_01_P1826276	A_01_P1826276	2.6008735	No data availabl	No data availabl	2.4975376	2.54920555	No data availabl	-0.112455465	0.10431992	No data availabl	0.10431992
A_01_P016296	CXCL10	2.072314	0.5940413	1.7574326	1.7256403	1.53735705	-0.004897599	1.0821296	-1.0917493	-1.2617497	-1.1767499
A_01_P1767916	ENSM0000000030608	1.5566015	0.9125774	0.9333441	No data availabl	1.134174333	0.69388133	-0.42633235	-0.24583128	-0.33117375	-0.288502515
A_01_P1717406	ENSM0000000005876	-1.5791396	-0.41779414	-2.0158794	-2.6216755	-1.65862216	-0.6640993	-0.92431126	0.52878875	0.48467332	0.506731035
A_01_P016054	KRTDAP	0.7676375	0.5656018	1.0633587	0.8419808	0.8096447	-0.24481738	0.22591126	-0.1951077	-0.39092025	-0.049706275
A_01_P1755471	DAPP1	0.5986576	0.8169266	1.3887181	1.2318174	1.009029925	-0.26668465	0.8924214	-0.6907597	-0.5291649	-0.6099623
A_01_P1723846	ENSM0000000045892	0.6304952	0.34993774	1.2288761	0.8421944	0.76287586	0.25690475	-0.13439405	0.039913032	-0.20758858	-0.083837774
A_01_P1816086	A_01_P1816086	-0.8054364	-0.24839129	-0.8927248	-0.6187379	-0.641322598	-0.22988036	0.3640987	-0.4007107	0.14108245	-0.129814125
A_01_P1804886	A_01_P1804886	0.6401877	0.2762805	1.3628923	0.66199124	0.735337935	0.29132938	-0.10876568	0.15305269	-0.44039676	-0.143672035
A_01_P1800011	A_01_P1800011	0.58968794	0.56650136	0.19551299	1.2671977	0.654613573	-0.21301325	0.26757338	0.13788624	-0.26328242	-0.0626908
A_01_P1772516	A_01_P1772516	0.6656225	0.3663684	0.36174342	0.71594524	0.60174489	0.122006595	0.090471864	-0.39208695	0.1177054	-0.137190775
A_01_P1807166	A_01_P1807166	0.4788169	0.79296106	0.84714216	0.5780821	0.674250555	0.55279714	-0.19873282	-0.13478364	-0.4132098	-0.27399672
A_01_P1801016	A_01_P1801016	0.6667078	0.5797468	0.82766206	0.46891707	0.635307983	0.098679975	-0.1874335	No data availabl	0.071817815	0.071817815
A_01_P1723806	ENSM0000000045908	0.5583204	0.46180877	0.80591904	0.8371051	0.665786303	0.18471117	-0.15505858	0.014546491	-0.06615431	-0.02580391
A_01_P1825366	JV70284	-0.32367852	-0.3345883	-1.0108453	-1.0834511	-0.688141088	-0.27007985	-0.2397292	-0.29519746	-0.3311232	-0.03104257
A_01_P1762136	ENSM000000005053	0.5727488	0.34835252	0.65693796	0.70242774	0.570116755	0.002112635	0.44176972	-0.20337038	-0.3738018	-0.28858609
A_01_P1807441	PTGER4	0.80593854	0.13189778	0.69272274	0.9319377	0.64062419	-0.19457562	-0.3152684	0.44231674	-0.053486235	0.194415253
A_01_P001393	DBT	-0.78353745	-0.36925396	-1.0249899	-0.95898247	-0.784189445	-0.12211763	-0.4817511	0.32437107	-0.15437004	-0.239730555
A_01_P1763836	ENSM0000000029550	0.64179885	0.35785747	0.7392917	0.66977966	0.60218192	0.16638148	0.007642238	-0.06492904	-0.12586194	-0.09539549
A_01_P1698341	LOC711182	0.5787775	0.4486454	0.5676211	1.3845894	0.74867085	-0.034501042	0.003061120	-0.18957506	-0.19489719	-0.002661065
A_01_P017578	ACVR2B	-0.89981765	-1.1044145	-0.6687383	-1.0617656	-0.933684013	0.25590253	-0.85134095	0.34502319	-0.02598247	0.159532472
A_01_P1762461	ENSM0000000041766	0.5941306	0.5074516	0.9133527	0.1626404	0.677134825	-0.15885727	-0.30814928	-0.180831844	-0.083184496	0.047811972
A_01_P1732671	A_01_P1732671	1.6073184	0.6809158	0.41229784	0.85082036	0.8878381	No data availabl	0.05463113	No data availabl	-0.056781672	-0.056781672
A_01_P1678066	ANKZF1	-0.86634946	-0.55437297	-0.6827878	-0.86896986	-0.743120023	-0.19698241	-0.55189216	0.23978686	0.38877635	0.289281605
A_01_P016558	TMEM42	-0.5891477	-0.24305944	-0.7999181	-0.8671197	-0.624811235	-0.2524838	-0.26387239	0.20384966	0.23806001	0.218827835
A_01_P1687761	CDHR2	No data available	No data available	1.4719191	1.6698289	1.570874	0.5895094	0.16582634	-1.0053387	-1.0052387	-1.0052387
A_01_P1682071	MTRFD3	-0.8252471	-0.8788814	-0.4117772	-0.9031269	-0.75475815	0.007067828	-0.623716	0.34316537	0.10776143	0.2254634
A_01_P1745581	SOBP	-1.0243043	-0.6775845	-0.7451274	-0.33971103	-0.696681558	-0.10974036	-0.5458104	0.19373606	-0.008528669	0.235419696
A_01_P1713971	SPATZL2	0.8248335	1.3295687	0.9807377	1.4014454	1.134146325	-0.22527295	0.48019933	0.10604977	-0.4721893	-0.183069762
A_01_P1832591	ENSM0000000027824	0.6502993	0.461011275	0.581004	0.63086855	0.58079615	0.25480172	-0.11024662	0.17332487	-0.40976876	-0.118221945
A_01_P014256	ZNF267	0.74254894	0.16803072	1.4068012	1.6680282	0.996352265	-0.11496317	0.31784344	-0.7759505	0.31744808	-0.22925121
A_01_P1768896	ENSM0000000045405	0.6895353	0.08373056	0.83717255	0.67894554	0.572346663	0.31149793	-0.3088877	0.09447915	-0.1778727	-0.041651775
A_01_P1682001	LTA4H	-1.3494827	-0.89212954	-1.10521121	-1.308214	-1.163759335	0.10544064	-0.99100054	0.97593095	-0.05282575	0.2633526
A_01_P1726176	ENSM0000000029419	0.7111186	0.4465177	1.0826977	0.85737075	0.774516188	0.35858467	-0.25787243	0.064487375	-0.2587724	-0.097142513
A_01_P1818681	A_01_P1818681	0.6799362	0.4306205	0.9791387	0.25919308	0.587417413	0.12464655	-0.01575262	-0.11735766	-0.15714644	-0.07741461
A_01_P1790991	A_01_P1790991	-0.8555974	-0.63507545	-0.49253705	-1.1160527	-0.77481565	0.04314146	-0.27401412	0.35640648	-0.213577	-0.07741492
A_01_P1778946	EPN2	-1.0020348	-0.5457575	-0.5649472	-0.9706243	-0.77084095	0.14647359	-0.23060462	0.35377532	-0.39031816	-0.01827142
A_01_P018960	FFAR3	0.87989527	0.63799345	0.75274086	1.1321354	0.850691245	-0.2810787	0.55746335	-0.26769125	-0.19314411	-0.23041768
A_01_P1772451	NPC2	0.9392976	0.2537065	0.76868874	0.46403477	0.60684794	-0.17029846	-0.29090324	0.11756174	0.2738704	0.195718787
A_01_P1734661	ENSM0000000021685	No data available	1.1236756	No data availabl	0.7842889	0.95452255	No data availabl	-0.5123756	0.36498383	0.015934102	0.009436466
A_01_P1747431	A_01_P1747431	0.73959994	0.5146736	1.0057498	1.0923289	0.8380157	0.28141576	-0.35759205	0.117739156	-0.121684946	-0.001972895
A_01_P1704506	SCL7A9	-0.65432596	-0.56709206	-1.5953249	-1.5835181	-1.100065255	-0.03903129	-0.23136395	-0.30908042	0.4517587	-0.17133914
A_01_P1811391	A_01_P1811391	-1.827351	-1.827351	-0.642842	-0.50368357	-1.139161393	-0.38970944	-0.63008124	0.36099854	0.3854447	0.37321262
A_01_P1751211	C7H14orf79	-0.6328047	-0.16031565	-0.8986677	-0.9113007	-0.650776955	-0.43710536	-0.21437612	0.2255249	0.2989676	0.26224625
A_01_P1828821	A_01_P1828821	0.61819696	0.10138435	0.6103649	0.1874328	0.60747016	-0.31059775	0.44157648	-0.36956868	0.08628244	-0.141670218
A_01_P1831631	ENSM0000000046993	0.6963583	0.953053	0.74599767	0.91430134	0.827427578	0.3014521	0.06879189	0.08979205	-0.60847896	-0.260243455
A_01_P1745006	ENSM0000000040432	0.7441476	0.19758567	0.7427737	0.5657517	0.61027056	0.17027749	-0.21321769	0.19460538	-0.20472714	-0.00506088
A_01_P1825637	ENSM0000000026870	0.62067366	0.6008107	0.92608184	0.13504383	0.57065245	0.16370986	0.29685685	-0.46740198	-0.107639976	-0.287520978
A_01_P002808	GDF7	0.48691356	0.5448752	0.60189056	0.88717747	0.630214198	-0.11246811	0.30007252	-0.4407106	0.14667836	-0.14701605
A_01_P1762371	IRF5	1.0043528	0.17857261	1.3985961	1.4574721	1.009741153	0.23885602	0.3137245	-0.498322	-0.24445213	-0.346387065
A_01_P1737151	LOC712092	0.5842804	0.43970448	0.30556917	1.0849698	0.603630963	-0.071692	0.45137754	-0.13567013	-0.3790825	-0.255824765
A_01_P1671421	TLR4	1.1275063	0.54890657	1.2620816	1.5880059	1.131639875	-0.44981512	0.2990280	-0.36930104	0.5060739	-0.09511357
A_01_P1721826	ENSM0000000046965	0.8871434	0.4619249	0.686608	0.9437887	0.74486225	0.3459029	-0.27737015	-0.08854062	-0.053663563	-0.071102092
A_01_P1707843	LOC718167	0.17474468	0.65134704	0.95173264	1.451003	0.80721684	0.12039626	0.028166428	0.19799203	-0.422461	-0.112234485
A_01_P1767491	ENSM0000000015968	0.7665103	0.14464144	1.0624657	0.6399174	0.65338371	0.21637864	-0.31503302	-0.1234394	0.15881321	0.17686905
A_01_P001957	GTF2I	-0.6237722	-0.63997045	-0.63992584	-0.69368416	-0.646771675	0.09473992	-0.58434784	0.0730782	-0.27883822	0.17595821
A_01_P1759156	JV559215	-1.2284987	-0.7147873	-0.43066517	-0.8005352	-0.793621593	-0.16355394	0.00983562	0.25059998	-0.13505577	0.057772045
A_01_P1690521	TMEM106B	-0.42409948	-0.31909648	-0.8067687	-0.9296237	-0.635650415	0.2097477	-0.16320157	0.23225798	-0.36624166	-0.06699184
A_01_P1675776	CACNB4	-2.2674115	-1.3072087	-0.85669917	-1.7470369	-1.544589068	-0.41085282	-1.0826385	0.76690805	0.10304491	0.43497648
A_01_P1694321	ANKRD28	-0.6584881	-0.2531169	-1.1269827	-0.68606836	-0.681164015	0.073821224	-0.32276565	0.08336749	-0.12308575	0.102838033
A_01_P1781086	A_01_P1781086	-1.3803207	-0.8457055	-0.							

A_01_P010035	SLC22A11	0.79743516	0.487111	0.81714714	0.27342898	0.59378057	-0.188033	-0.16746271	-0.19373831	0.44090325	0.12358247
A_01_P1769516	MDM4	-1.0745484	-0.46062604	-1.1978531	-0.5131912	-0.811554685	0.1699826	-0.38282067	-0.14380845	-0.26705298	0.06162265
A_01_P1753351	ENSMUT00000023823	0.5552911	0.2684679	0.9524015	0.61637026	0.59813269	0.15367758	-0.0042062	0.04367082	-0.21796623	-0.087147705
A_01_P1713536	WDR59	-0.5682606	-0.17412819	-0.9879786	-0.75694287	-0.621827565	-0.08499396	-0.062469836	0.06549059	0.074707255	0.070098923
A_01_P1758771	IFT80	-0.58967173	-0.5744349	-1.0704027	-0.6703293	-0.726209658	-0.08699284	-0.5822314	0.10147312	0.08571914	0.24823113
A_01_P000111	KNV2	0.2694596	0.409689	1.0335779	0.733057	0.611445875	0.019431746	0.2302519	-0.12171825	-0.14827335	-0.1349958
A_01_P1759096	DZIP1L	-1.2062637	-0.11032318	-1.4714922	-1.5975199	-1.096507745	-0.5704442	-0.2397501	0.41894943	0.19250323	0.30572633
A_01_P1744341	TFEB	0.7603791	0.4502953	0.44064617	0.8890329	0.635088368	0.25621733	-0.32815328	0.26383898	-0.3061262	-0.02137111
A_01_P1793296	A_01_P1793296	-1.6652948	-0.79230136	-1.2784076	-0.46041754	-1.049105325	0.048715517	-0.57305235	0.44861367	-0.106660694	0.170976488
A_01_P020008	BBS10	-0.4828843	-0.6827751	-0.8684206	-0.9363519	-0.741932975	0.09863822	-0.4073062	0.30007053	-0.123225376	0.103422577
A_01_P1768722	FCRLB	0.72083163	No data available	1.0559181	No data available	0.888374865	-0.03347666	-0.3876101	0.2816906	0.52188337	0.120096385
A_01_P1721086	ENSMUT00000015984	-1.0260452	-0.41195315	-1.5375489	-0.9309064	-0.976613413	-0.15758012	-0.7440927	0.6148068	-0.036413044	0.289196878
A_01_P1786951	JV482836	-0.66355026	-0.34365425	-0.79404736	-0.82557166	-0.656705883	-0.013333324	-0.5466212	0.41721565	-0.015622484	0.200796583
A_01_P1801566	A_01_P1801566	-0.18278815	-0.83671916	-0.95351774	-0.57853734	-0.637890598	0.21525332	-0.002332507	-0.34497717	0.07503579	-0.13497069
A_01_P1832136	ENSMUT0000008222	0.60226184	0.4187485	1.0067006	0.8321405	0.71496286	0.17377274	-0.21178977	0.15464245	-0.15942106	-0.002389305
A_01_P1766246	NFIA	-0.6819829	-0.8366573	-1.2399252	-1.0539026	-0.966617	0.35355943	-0.16334476	-0.013714642	-0.25360182	-0.133658231
A_01_P1766736	GBP1	1.6197687	0.65856135	1.3908887	0.73887086	1.610982588	0.44220838	0.6143171	-0.12405776	-0.54102826	-0.89080293
A_01_P002532	JU476356	-0.61486524	-0.6849927	-1.1809515	-0.3699636	-0.71269328	-0.108425416	-0.2919286	0.11138799	0.23306638	0.17222663
A_01_P005593	C5orf25	-0.62920886	-0.2230093	-0.9986384	-0.6573769	-0.624814733	0.27963027	0.10235861	-0.1443208	-0.3079588	-0.2261398
A_01_P1700951	APOLD1	0.68490267	0.120919056	0.7433159	0.9859001	0.633759432	0.20948683	0.23729196	-0.34377733	-0.1890414	-0.266589365
A_01_P009975	ENSMUT00000027039	1.8737087	1.0953352	0.99498504	1.6594541	1.40587076	0.33601424	0.59922695	-1.61483208	-0.15715536	-0.88701913
A_01_P1672136	CXCL10	2.0651662	0.68680066	1.6379244	1.7375029	1.53184854	-0.08208804	-1.1004368	-0.9543508	-1.3399261	-1.1471845
A_01_P1755846	ENSMUT00000041754	0.647466	0.31642613	1.1719103	0.6751692	0.708042158	0.17362164	-0.026359646	-0.0886145	-0.07331484	-0.081464342
A_01_P1700801	ENSMUT00000039576	-0.41013756	-0.7002154	-0.3365887	-1.1170205	-0.64099054	0.2933859	-0.2813577	0.07524165	-0.15499902	-0.039878685
A_01_P1832741	A_01_P1832741	-0.45437703	-0.46297905	-1.061674	-0.789216	-0.69206152	0.42912844	-0.3729217	0.03971746	-0.22862035	-0.09451445
A_01_P006724	TMCC1	-0.4549836	-0.854459	-0.62498605	-0.7718373	-0.676566488	0.1381749	-0.51607627	0.0475791	0.22241846	-0.13499878
A_01_P003090	SETD7	-0.86532456	-0.5865229	-0.6362405	-0.8432364	-0.7328304	0.18831553	-0.3928702	0.23452914	-0.2400788	0.04225217
A_01_P003459	CYR61	1.0916303	0.22336896	0.6822303	1.0264138	0.75951084	0.040757768	0.50492066	-0.2695388	-0.4719505	-0.36924459
A_01_P1717821	ENSMUT00000044245	0.81282693	1.0480103	1.53653395	No data available	0.79915406	-0.54249287	-0.086951554	0.36847115	0.11226307	0.24036711
A_01_P005145	NLRP3	0.74571496	0.38181725	1.3908887	0.73887086	0.814322943	-0.22479886	0.7043627	-0.51821434	-0.29226226	-0.05263813
A_01_P1743056	CAP2	-1.219795	-0.46783113	-0.8738126	-1.1486225	-0.927515308	-0.19740593	-0.6716412	0.5444362	0.08585698	0.30164659
A_01_P1674921	KRT20	-1.1213442	No data available	No data available	-0.88224703	-1.001795615	No data available	-0.34866627	-0.016472103	0.29420143	0.138864664
A_01_P1719466	FIGN	-0.9985614	-0.7469505	-0.9437663	-1.0458272	-0.933776525	0.24211068	-0.7947095	0.24279999	0.08050024	0.161740115
A_01_P1680466	ZNF33B	-0.23182517	-0.7517991	-0.956935	-1.1092279	-0.762446618	0.20930447	-0.6138308	0.17262879	0.09483878	0.136056285
A_01_P1831421	ENSMUT00000041797	0.54394776	0.21443103	0.91767764	0.6616563	0.584428183	0.22855362	-0.03296007	0.016439361	-0.2524534	-0.1180072
A_01_P1810941	CRP1	-0.7501315	-0.368128	-0.60028506	-1.1919928	-0.74263434	0.00943176	-0.3911874	0.48869962	-0.27271602	0.1079918
A_01_P1789211	A_01_P1789211	-0.70752966	-0.5539006	-1.0522265	-1.1355243	-0.862295265	0.023062265	-0.4495922	0.55486375	-0.35364115	0.1006113
A_01_P1768831	WNT3A	1.1164403	0.2266519	0.8792282	0.3648356	0.646782323	0.16771352	-0.22587371	-0.25637275	0.24422444	-0.006074155
A_01_P1798321	LOC723103	1.4269447	0.9975291	0.31314543	0.7955873	0.883301633	-0.29064438	0.04115262	-0.72522914	0.6309895	-0.04711982
A_01_P1746786	MLLT4	-1.0146756	-1.369189	-1.1174943	-1.18092	-1.145569725	0.1829094	-0.6536889	0.17312552	0.13970232	0.15641392
A_01_P1729366	ENSMUT00000042879	0.70073664	0.4557026	0.46359685	0.71789217	0.58482065	0.22654626	-0.15627864	0.043322552	-0.14856347	-0.052620459
A_01_P1799811	A_01_P1799811	-1.2789925	-0.692154	-0.69016427	-0.87178534	-0.883274028	0.03710636	-0.14782809	-0.2544867	0.302233825	0.023873825
A_01_P1803486	GRM8	1.010047	No data available	0.75910495	No data available	0.884577475	-0.33231024	0.16443421	No data available	0.11103003	0.11101003
A_01_P1775046	A_01_P1775046	0.6402488	0.39348996	1.7010149	1.6561643	1.09772949	-0.54545206	0.3281421	-0.63137805	0.49964762	-0.05865215
A_01_P1803846	LOC713120	-0.52522385	-0.74704707	-0.5286658	-0.99569845	-0.699158793	-0.12398496	-0.07196486	0.1593386	0.20390298	0.089864449
A_01_P1704461	ENSMUT00000038595	0.76366717	0.31549165	1.3671702	0.618539	0.766217005	0.18163894	-0.25707475	0.026189758	0.030126918	0.028158338
A_01_P1792181	A_01_P1792181	-0.9930542	-1.048704	-0.7726349	-0.815575	-0.907492025	0.2993865	-0.6432755	0.275773	-0.1268179	0.076545605
A_01_P006569	RAX	2.1525888	0.9324876	3.2205602	2.305148	2.15264935	-0.30917	0.7488559	-0.40783554	-0.33845544	-0.40464549
A_01_P1726736	ENSMUT00000043863	-0.7521098	-0.66643476	-0.82432103	-1.1271603	-0.842506473	-0.016760988	-0.23505999	-0.13547935	0.32369718	0.094108915
A_01_P1822371	MYT1L	No data available	0.7632013	0.58024853	0.36424637	0.569232067	0.109355636	0.052431732	-0.5183147	0.24617113	-0.136071785
A_01_P1798176	ENSMUT00000025957	-0.33183035	-0.91149884	-1.3530877	-1.1495684	-0.936496323	0.24660102	-0.39838108	0.38979515	-0.42531708	-0.017760965
A_01_P1786646	A_01_P1786646	No data available	-1.8913931	No data available	-1.976131	-1.93376205	0.3147048	-0.5623707	0.49286526	-0.57388584	-0.0049657
A_01_P1779761	A_01_P1779761	0.63433826	0.19490351	1.4626935	1.2542788	0.886553518	-0.36664665	0.076408364	-0.39484718	0.49513954	0.05014618
A_01_P1720626	ENSMUT00000025199	-0.7428907	-0.9401539	-1.1626273	-1.3649567	-1.05256715	0.577501	-0.5742295	0.10476222	-0.39445662	-0.1448472
A_01_P1734641	ENSMUT00000045333	-1.6311492	-0.8808545	-0.70053834	-0.81135654	-1.005974645	0.13064975	-0.3264575	0.21484973	-0.078353435	0.068248148
A_01_P1692796	NLRP3	0.694873	0.481965	0.9768005	1.2301939	0.872765975	0.18231933	0.2657279	-0.98377234	0.21088147	-0.386445435
A_01_P1754241	ENSMUT00000042442	0.56715953	0.3907666	0.8268812	0.6092842	0.619222883	0.14548613	-0.2920936	0.1875158	-0.091754906	0.047800447
A_01_P1705296	LOC706835	0.70984894	0.8772683	1.0148902	0.9277289	0.882434118	-0.5223956	-0.7593337	-0.34578627	-0.27893806	-0.312362118
A_01_P011152	PER1	-1.3461703	-0.9094737	-0.392305	-0.44778532	-0.773933605	-0.3025754	-0.3572718	0.28376716	0.25239995	0.268083075
A_01_P1710171	ENSMUT00000041229	0.6742909	0.34809476	1.7144829	0.75503975	0.622977078	0.22105367	-0.24035517	0.1308918	-0.16086052	-0.01498436
A_01_P006017	LACTB	0.78859836	0.56569874	0.9011729	1.0800056	0.8338689	-0.23003225	0.7216199	-0.57183326	-0.14480250	-0.4483179
A_01_P1750496	ENSMUT00000039664	0.6440293	0.69603897	0.89976284	0.5840451	0.705469285	0.18448615	0.14106062	-0.09221592	-0.18410098	-0.18680845
A_01_P002317	CNTN5	0.9654539	0.6231186	1.214209	No data available	0.9342605	0.13917083	-0.24447638	-0.4811471	0.04208883	-0.030426435
A_01_P1832536	A_01_P1832536	0.8261369	0.16740574	1.0118321	0.7558422	0.690304235	0.14556699	-0.27591836	0.08523466	0.010135027	-0.031848444
A_01_P1720886	HEATR7B1	0.9360415	0.7100665	0.7831199	No data available	0.809742633	-0.20731832	0.12515677	0.13128565	0.30805235	-0.00239165
A_01_P1793516	JV14676	-0.37149662	-1.0597844	-1.1015588	-1.9453855	-1.11955633	0.11335063	-0.2848447	-0.37464464	0.5379749	0.08266513
A_01_P1807791	A_01_P1807791	-0.7064342	-0.8980772	-0.9543392	-1.0536567	-0.903067425	-0.16732155	-0.035655696	-0.1178967	0.27784514	0.07977735
A_01_P1723716	ENSMUT00000045954	0.5757578	0.67745364	1.0431304	0.72683203	0.755793468	0.25753444	-0.05770762	-0.030762982	-0.20943792	-0.120100451
A_01_P1808042	ENSMUT00000022069	0.74687386	0.57987916	0.32637915	0.95919085	0.653080755	0.014620041	0.22427566	-0.7307467	0.28	

A_01_P1820976	A_01_P1820976	-1.4222295	-0.96483105	-0.60947007	-0.5337657	-0.88257408	0.5874833	-0.37090078	-0.29010373	-0.14204416	-0.02450707
A_01_P1712156	ABCA15	0.64761364	0.7812022	0.9451589	No data available	0.791324913	0.2245277	-0.31126884	0.5070501	-0.7261108	0.140102987
A_01_P014485	A_01_P014485	-0.67891765	-0.57144636	-0.9349182	-0.24041279	-0.60642375	-0.33364227	-0.027853254	0.16998884	0.13820273	-0.063822128
ENSMMU00000006981	ENSMMU00000006981	0.93933403	0.8515346	0.5373297	1.5863378	0.978634033	No data available	6.26E-04	No data available	6.26E-04	-0.000626653
A_01_P1697076	CA3	-1.3981918	No data available	-1.5620351	No data available	-1.48011345	-0.65041465	0.43463624	No data available	0.016257754	-0.10789205
A_01_P1795681	LOC706220	-0.575372	-0.22511715	-1.169957	-0.8572086	-0.706913688	-0.063562535	0.1306909	-0.06620464	0.000307908	-0.000307908
A_01_P1814071	LOC695694	No data available	No data available	0.5523288	0.6943086	0.62327378	-0.5096244	-0.19115059	0.10351513	0.4300708	-0.19908662
A_01_P1684921	USP49	0.3560895	1.7688469	0.7621587	1.7034679	1.14764	No data available	No data available	-0.08109992	0.07678266	-0.08109992
A_01_P018971	TBX20	-0.43744954	-1.1513064	-1.0359081	No data available	-0.874888013	-0.27736506	No data available	0.14103535	0.10058358	-0.068164855
A_01_P013692	RHOV	-1.5709522	-1.3317584	-2.3908136	-0.98527646	-1.569700165	-1.0458056	0.9991603	-0.30258197	-0.50228155	-0.11649099
A_01_P1677611	CSRNP3	0.49197283	0.702135	1.0685365	0.35253784	0.653795543	0.3783327	-0.14446338	-0.11922093	-0.19303942	-0.03821613
A_01_P1773996	LOC707117	-0.93733853	-0.6693458	-0.93996924	No data available	-0.848884523	No data available	No data available	-0.09792368	0.09169735	-0.09792368
A_01_P1818431	A_01_P1818431	-1.9253072	No data available	-1.7172078	-1.1384932	-1.5936694	-0.4602048	0.21391615	No data available	0.15482244	-0.123144325
A_01_P1780421	LOC709567	-0.5992387	No data available	-0.7008705	No data available	-0.6500546	-0.077696346	0.1231478	-0.14851296	0.08561785	-0.03453835
A_01_P1760071	DYRK1A	-0.89017475	-0.5810296	-1.2975526	-0.2595219	-0.757069713	0.13920346	0.12951148	-0.40316987	0.068443894	-0.04481831
A_01_P1690961	RGS12	-0.83581424	-1.284065	-0.8791301	-1.3106413	-1.07741266	-0.3818935	-0.17869690	-0.5549001	0.73843205	-0.371828097
A_01_P1821781	A_01_P1821781	-0.66716933	-0.8069802	-0.6802142	-0.8191495	-0.743378308	-0.47815433	-0.032829337	-0.01467958	0.39477694	-0.175227208
A_01_P1804706	A_01_P1804706	-1.2823639	-0.57338536	-1.0487553	No data available	-0.967874853	No data available	-0.173426	0.035067806	0.12255245	-0.069179057
A_01_P1777832	A_01_P1777832	-1.3628724	-1.3586901	-1.2685245	-1.2926435	-1.670682625	-0.8681953	1.1034514	-0.6576756	-0.57867736	-0.140798167
A_01_P009113	SERPINA6	-0.7483694	-0.59971803	-0.9944695	-0.5683806	-0.727734383	-0.06807675	0.32568867	-0.27748135	-0.04722877	-0.0662071
ENSMMU00000029617	ENSMMU00000029617	-0.65745527	-0.25340614	-0.90717816	-1.02572756	-0.710828793	0.13606115	0.04172181	-0.44524464	0.18561016	-0.089153893
A_01_P1793996	A_01_P1793996	1.5140696	1.7472161	No data available	No data available	1.63064285	No data available	No data available	-0.02014868	0.019870985	-0.02014868
A_01_P1743451	ENSMMU00000041217	0.8464081	No data available	0.8924645	No data available	0.8694363	0.26453766	No data available	-0.11218776	-0.19501291	-0.07617495
A_01_P1699586	ENSMMU00000039139	-0.36304575	-0.7871921	-0.6569215	-0.60187376	-0.602258278	No data available	No data available	0.100748144	-0.10831557	0.100748144
A_01_P1695064	AF162473	No data available	2.5722017	1.3011588	2.2323215	2.035527333	No data available	-0.48939512	-1.0923225	0.8609724	-0.78857881
A_01_P1792096	A_01_P1792096	0.56537455	No data available	0.8255498	No data available	0.695462175	-0.105502024	-0.29450038	0.30138984	-0.03257043	-0.03257043
A_01_P1803921	A_01_P1803921	-0.3471512	-0.46980992	-0.71952415	-0.91351519	-0.612409293	-0.083260104	-0.17454612	0.38763005	-0.21459323	0.043274609
A_01_P1791936	A_01_P1791936	-1.0041022	-0.45165408	-1.20619443	No data available	-0.88755686	No data available	0.08209364	No data available	-0.08704837	0.08209364
A_01_P1687811	ENSMMU00000042458	1.039802	1.3670415	1.0069901	0.909853	1.08092165	0.18104501	0.3856481	-0.69551456	-0.08555027	-0.024940833
ENSMMU00000043121	ENSMMU00000043121	0.44461733	0.8653391	1.0397385	0.6046272	0.738580533	0.56041014	-0.5112227	-0.05519752	-0.21554387	-0.00200336
A_01_P1815831	PFKM	-1.0087411	-0.60766137	-1.2253595	-1.7180176	-1.364989893	0.54636735	-0.35232595	0.27358457	-0.8691528	0.155875383
A_01_P1759676	ENSMMU00000029122	0.7466233	0.55354726	1.0675579	No data available	0.78924282	No data available	No data available	0.15126945	-0.16900828	0.15126945
A_01_P1729611	ENSMMU00000020663	-0.6238424	-0.9580924	-1.6422362	-0.5895734	-0.9534361	0.1544986	-0.18105648	0.26417097	-0.3147992	0.079204363
A_01_P1798276	LOC720011	0.6898666	1.0802871	0.3983552	1.3964297	0.90173965	-0.26090372	-0.38423645	0.48465452	No data available	-0.053495217
A_01_P014774	LOC716941	-1.024529	-0.5279443	No data available	-1.096745	-0.883072767	0.24275094	No data available	-0.21181367	-0.06899185	0.015467285
A_01_P1805041	A_01_P1805041	1.3896552	0.24639732	0.9977706	0.79605556	0.85746967	0.36619812	No data available	-0.17667048	-0.07925808	0.09476382
A_01_P1735556	ENSMMU0000004681	-0.3424365	-0.6205501	-0.966854	-0.7226877	-0.66313363	0.2384403	-0.06357107	-0.23323828	0.01816061	-0.01945635
A_01_P1786861	ENSMMU00000008579	0.5896994	0.8040427	1.0274775	1.0330579	0.863569375	No data available	0.13095792	-0.15818067	0.012676024	-0.013611375
A_01_P1760021	LOC100425634	No data available	-1.3950106	-1.3548994	-0.8742728	-1.208060933	No data available	0.13538505	No data available	-0.14941807	0.13538505
A_01_P1727151	LOC695364	0.7431235	No data available	0.8763295	No data available	0.790378225	-0.003500651	No data available	0.2688307	-0.32559627	0.13243986
A_01_P1801746	LOC705516	2.2771704	No data available	No data available	2.2365375	2.25685395	-0.36213407	No data available	-0.28452298	0.48643023	-0.323282525
A_01_P1707561	ENSMMU00000048173	0.72825	0.58461106	0.80334306	0.65935695	0.693890268	0.5975194	-0.13121513	-0.57331973	-0.14919329	-0.03567062
A_01_P1738076	ANK1	0.83959776	0.56303227	0.6044703	0.79959863	0.701674474	No data available	0.026145676	0.16237749	-0.12326624	0.094261583
A_01_P1808936	LOC722744	0.8685058	No data available	0.65648574	0.37459406	0.6331952	0.10942945	No data available	No data available	-0.11841587	0.10942945
A_01_P1670711	MBL2	-0.9075203	-0.3772026	-0.6101035	-0.8403131	-0.683784875	No data available	-0.33483067	-0.06216429	0.32111597	-0.19849748
A_01_P1697656	UI0911	-0.8450728	-1.2845701	-0.87902546	No data available	-1.002949453	0.094304696	-0.43322405	0.40929488	-0.34856668	0.051056709
A_01_P1813016	A_01_P1813016	-0.0999871	-0.8668495	-1.34104842	-1.125417	-0.810825505	-0.23280229	-0.10773309	0.3194417	-0.03929981	-0.007031227
A_01_P1739916	DDX53	No data available	2.359405	1.4465365	1.9074924	1.904486967	-0.32445854	0.18823507	0.08628627	No data available	-0.01646933
A_01_P1762721	ENSMMU00000009202	-0.38879427	-0.61191313	-1.0551167	-1.0355723	-0.772353643	No data available	0.0810011	-0.43470368	0.26592016	-0.17685129
A_01_P001202	CYLC2	0.84119636	1.0255157	1.3762499	No data available	1.08098732	No data available	No data available	0.024106059	-0.024551703	0.024106059
A_01_P1751626	PRLR	1.510203	1.2903937	2.1869962	1.7569149	1.68612695	No data available	0.3115503	0.02560706	-0.42545128	0.166055503
A_01_P1818591	LOC710563	0.91998714	0.1088516	0.68376607	1.1009475	0.703388078	No data available	0.22978276	-0.1313531	-0.12916066	0.04921708
A_01_P1707471	ENSMMU00000029385	-2.306353	-2.3375301	-2.28273	No data available	-2.31695133	No data available	0.38587755	-0.48465073	0.031097533	-0.04938659
A_01_P1793696	A_01_P1793696	-1.3760277	-1.3902012	-1.3054779	-2.9902353	-1.765485525	-0.20148617	0.8090632	-0.5087824	-0.5660642	0.032931543
A_01_P1807196	A_01_P1807196	1.0407616	0.7725843	1.101683	0.5398146	0.863710875	-0.7441048	0.23912504	0.26617432	0.02866927	-0.079601813
A_01_P1713121	LOC696623	0.9442503	0.3335142	0.36644871	0.79170454	0.608489035	No data available	-0.25455807	0.1688707	0.053244475	-0.042859
A_01_P1784776	A_01_P1784776	No data available	No data available	-1.2390972	-0.202876	-2.0839416	No data available	-0.076828654	-0.6178164	0.48159587	-0.344325227
A_01_P1797251	A_01_P1797251	-1.3217572	-1.5099862	-1.4223567	-1.0914378	-1.241384475	0.4315235	-0.5363001	0.030691044	-0.08879968	-0.024695185
A_01_P1775606	CN643927	1.0405066	No data available	2.0816998	2.0180671	1.7134245	-0.34352177	-0.30719957	0.33253133	0.19466803	-0.10663337
A_01_P1772756	CN804216	-0.6210403	-0.33948642	-0.85675555	No data available	-0.605760757	0.075193495	No data available	No data available	-0.079329036	0.075193495
A_01_P1729086	ENSMMU00000021136	0.25208026	0.7901662	1.0975862	1.0542532	0.798521465	0.31516975	-0.5161725	0.48780018	-0.6119478	0.095599143
A_01_P1821091	A_01_P1821091	0.80053115	No data available	No data available	1.247255	1.023893075	0.41323254	0.46664196	-0.66299134	-0.6107038	0.072294387
A_01_P1713146	ENSMMU00000025441	1.0404717	0.3173077	1.1142353	1.4812992	0.988328475	0.31583214	0.2457304	0.13362686	-1.0815237	0.2317928
A_01_P1728171	CALML5	-1.3237413	-0.7285509	-0.88025796	-0.73303807	-0.916397058	0.11352757	0.514607	-0.82136494	-0.11463122	-0.064410123
A_01_P1773881	CB311194	0.6443306	0.47813982	0.8588409	0.4389174	0.605057195	-0.22858801	0.19577394	No data available	0.001718287	-0.016407035
A_01_P1734666	ENSMMU00000045322	1.2345903	No data available	0.647468	-0.7407804	1.096622233	-0.4079891	-0.35256815	0.6028769	-0.03253623	-0.052560117
A_01_P005838	PDE11A	-1.2272416	No data available	-0.9581833	-0.77336204	-0.986262313	0.54104966	-0.56373826	0.1361657	0.6203044	-0.322872723
A_01_P1771741	CN641463	-2.0120344	-1.1531754	-1.8571141	No data available	-1.674116967	0.91556543	-0.03730894	-1.1952229	-0.5094261	-0.105655421
A_01_P000391	CBFA2T3	-1.0629333	-1.4912595	-1.9186286	-0.253814	-1.63165885	0.19743584	0.2773514	0.35686257	-1.4709852	0.277216603
A_01_P1777296	JU481278	1.1220015	0.8091538	1.26824	0.55311245	0.938126938	0.36558157	-0.6698556	0.5048112	-0.5905456	0.066845723
A_01_P1826826	ENSMMU00000048347	-1.0070775	-0.51274186	-0.34699753	-0.6375102	-0.626081773	-0.36780006	0.35076118	0.11482433	-0.20596239	0.03295515
A_01_P014152	CCR8	-0.9782994	No data available	-1.3286645	No data available	-1.15348195</					

A_01_P016220	HAO2	0.89149255	1.8720475	0.7086823	2.6706758	1.535724538	No data availab	No data availabl	0.03313982	-0.033919178	0.03313982
A_01_P1704411	ENSMUT00000002288	-0.9709116	No data availabl	-0.73437095	No data availabl	-0.852641275	0.03559636	-0.3334602	0.24048376	No data availab	-0.019126693
A_01_P1723266	BNC2	0.5768253	0.44359642	1.0538962	0.22987115	0.576047268	0.13557638	-0.025495958	0.2653362	-0.479815	0.125138874
A_01_P1703971	KCN11	No data available	1.6320027	1.3048719	1.3570414	1.431305333	No data availab	No data availabl	-0.20858659	0.18220307	-0.20858659
A_01_P1754156	BTNL3	1.1739347	1.2894206	2.0104518	No data availabl	1.491269033	No data availab	No data availabl	-0.025317943	0.024881288	-0.025317943
A_01_P1801821	A_01_P1801821	0.5250809	0.7308702	No data availabl	0.5109202	0.5889571	-0.22818767	No data availabl	0.20792319	-0.012651492	-0.01013224
A_01_P007208	GA52	No data available	1.1019422	1.3204386	No data availabl	1.2111904	No data availab	No data availabl	0.1497262	-0.16708401	0.1497262
A_01_P1707556	ENSMUT00000048174	0.5779518	0.7424344	0.8708068	0.68860364	0.719949095	0.17221491	0.02031043	-0.3055521	0.0702556	-0.037675587
A_01_P002531	PROKR1	-1.2348493	-1.1092459	No data availabl	No data availabl	-1.1720476	No data availab	No data availabl	3.26E-04	-3.26E-04	0.000325698
A_01_P006712	STAR6	1.4449366	2.011614	2.5492957	2.4498098	2.113914025	-0.30965507	-0.41023228	-0.46471977	0.7790927	-0.39486904
A_01_P1714006	ENSMUT00000043511	0.6547033	No data availabl	0.5765185	1.1631463	0.7981227	No data availab	-0.08593017	0.19556941	-0.13187113	0.05481962
A_01_P1711406	ENSMUT0000004399	-0.38344228	-0.5365562	-0.7686755	-0.71473294	-0.60085173	-0.17846179	0.109691516	-0.1932376	0.21750027	-0.087355958
A_01_P002962	A_01_P002962	-0.78758705	-2.9551954	-0.9053915	-2.8681617	-1.879083913	0.16985574	-0.20563214	-0.78785986	0.5146955	-0.27454542
A_01_P1732266	SLC38A4	-1.1519006	-0.46564096	-0.7859344	-1.2432863	-0.911690565	No data availab	-0.31054774	-0.26764852	0.44677728	-0.28909813
A_01_P1775131	COS79551	-0.9441781	No data availabl	-2.264945	-2.1950557	-1.801392933	No data availab	-0.29622008	0.09664857	0.15876406	-0.099785955
A_01_P001279	ENSMUT00000026385	No data available	-2.3323717	-2.422753	No data availabl	-2.37756235	-0.002158535	0.002155396	No data availabl	No data availab	-1.5695E-06
A_01_P1779373	A_01_P1779373	0.45116016	0.79159665	0.52729315	No data availabl	0.590016653	No data availab	-0.1434131	-0.073700294	0.19462627	-0.108566697
A_01_P1734651	ENSMUT00000045330	-0.44792584	-1.5291055	-0.8551213	-0.69219637	-0.881087253	No data availab	-0.35045853	-0.11647806	0.37097695	-0.233468295
A_01_P003674	CLDN17	-0.45780614	-1.4659092	-2.1440322	-1.7162234	-1.445992735	No data availab	-0.15474522	-0.2685116	0.34656945	-0.21162841
A_01_P1800866	LOC697340	No data available	1.4502363	1.0930861	No data availabl	1.2716612	0.477117524	-0.17991017	-0.5792971	0.07852367	-0.094010677
A_01_P1781086	A_01_P1781086	1.4847002	1.7165345	1.9334384	No data availabl	1.7115577	0.4680096	-0.2673685	0.29323125	-0.8349952	0.164624117
A_01_P1738041	IDO2	No data available	-1.6286066	-2.1575065	-0.873875	-1.553329367	No data availab	0.26974365	-0.014307087	-0.31424055	0.127718282
A_01_P1701951	LOC712423	0.6034914	0.6375573	0.666483	0.31221047	0.554935543	0.02857823	-0.1825383	0.3173073	0.410581	-0.177070967
A_01_P005074	DDX25	2.1452723	1.7615719	2.0277405	0.94132537	1.718977518	No data availab	0.7538551	-0.9071906	-0.35755768	-0.07666775
A_01_P1720751	ENSMUT00000044433	-0.79035836	-0.4559433	-1.572261	-1.3237593	-1.03558049	0.36014998	-0.3115405	0.28557083	-0.53164107	0.111393477
A_01_P1689406	ARL14	-1.8005189	-1.3361123	No data availabl	-1.520364	-1.552331733	No data availab	0.17622826	No data availabl	-0.20078984	0.17622826
A_01_P1773036	JV574062	0.60303086	0.44173262	1.1515028	0.94750494	0.875942805	0.46091065	-0.055813596	-0.15539326	-0.38901618	0.083234598
A_01_P1706621	ENSMUT00000038323	0.5399504	1.1008866	0.97326356	No data availabl	0.871366853	0.039756108	-0.024313373	0.38246927	-0.5454021	0.132637335
A_01_P009386	ZNF543	No data available	0.97821784	0.9746801	0.988108	0.980335313	-0.18403201	-0.13729057	0.35854283	-0.10717364	0.01240675
A_01_P1746016	SLC35D3	0.5310837	1.3469946	1.3118092	No data availabl	1.063295833	0.019848084	-0.08157483	0.50802696	-0.6919471	0.148766738
A_01_P1821651	A_01_P1821651	0.49799895	0.85921437	0.49373296	No data availabl	0.616982093	0.118571386	No data availabl	-0.23111312	0.087277494	-0.056270867
A_01_P1672721	CHRN3	0.77484214	1.0357561	1.5423781	No data availabl	1.11765878	No data availab	0.050193254	-0.68433034	0.42470914	-0.317068543
A_01_P1717051	ENSMUT00000044594	1.2186583	0.87085795	0.6666112	No data availabl	0.952042483	0.28343883	-0.8890377	-0.1165021	0.40109736	-0.24070036
A_01_P1717821	ENSMUT00000044245	-1.2180566	-1.137571	-0.75860757	-0.91223323	-1.0066171	No data availab	0.049104374	-0.14530917	0.08568559	-0.048102398
A_01_P1715251	ENSMUT00000024823	0.26178792	1.085074	0.7350448	0.3042896	0.59654908	-0.30862984	0.32393876	-0.001550483	-0.06831921	0.004586146
A_01_P1803846	LOC713120	1.7302823	0.8185466	1.7261277	0.82868516	1.27591044	0.5477071	-0.78354067	9.54E-04	-0.06395368	-0.078293356
A_01_P1822811	A_01_P1822811	-0.593785	-0.58708614	-1.1742738	-1.376656	-0.932950235	0.41227522	-0.45772818	0.34358168	-0.5730759	0.09937624
A_01_P1745111	ENSMUT00000026106	-0.84214395	-2.0777721	No data availabl	-1.9388345	-1.619583517	No data availab	No data availabl	-0.14361417	0.1306034	-0.14361417
A_01_P000087	GPR128	1.0820976	0.5428335	0.54107064	No data availabl	0.72200058	No data availab	No data availabl	-0.057227258	0.055043574	-0.057227258
A_01_P1813486	A_01_P1813486	0.8274738	1.9513443	1.0995634	1.0217445	1.2250315	No data availab	0.3503626	-0.11987011	-0.31321096	0.115246245
A_01_P1799446	ENSMUT00000011741	1.0331087	No data availabl	1.4709272	No data availabl	1.25201795	No data availab	0.29274794	-0.06395539	-0.28913778	0.114396275
A_01_P1699446	ENSMUT00000042972	0.6796883	No data availabl	0.8321757	No data availabl	0.755932	0.05899814	No data availabl	-0.012185207	-0.048907064	0.023406467
A_01_P003524	POU4F2	No data available	-1.3068321	No data availabl	-1.0662831	-1.1865576	No data availab	No data availabl	0.15990227	-0.1798601	0.15990227
A_01_P1724286	ENSMUT00000045695	0.79128873	0.73418546	1.3462527	No data availabl	0.957242297	-0.009320719	-0.29905203	-0.10218242	0.33574703	-0.136851723
A_01_P1731336	ENSMUT00000047336	1.8348397	0.7690924	1.8082005	No data availabl	1.470710867	0.66289705	-1.2147781	0.14166859	-0.17996998	-0.136737487
A_01_P1757131	ENSMUT00000046741	-0.8253655	-2.1573386	No data availabl	-2.0452678	-1.675990633	No data availab	-0.24401692	-0.5444045	0.55575204	-0.39421071
A_01_P1706221	HAS1	-0.28184763	-0.69699955	-1.2635903	-1.0411673	-0.820901195	-0.38132033	0.24167685	0.00197782	0.068364345	-0.045888553
A_01_P1746126	ENPP3	-1.2399803	-1.2253811	-0.71269935	-0.8960358	-1.018524138	-0.48991254	0.5111108	0.25625318	-0.58115834	0.092477813
A_01_P1708976	LOC709481	1.1661922	No data availabl	0.74217373	1.65958	1.18931531	No data availab	No data availabl	0.1553797	-0.17415671	0.1553797
A_01_P1762876	ENSMUT00000041552	-1.6182206	-0.84740895	-1.5907717	No data availabl	-1.35213375	-0.25299647	0.079877965	-0.33949414	0.39352742	-0.170870882
A_01_P1826106	LOC718414	-1.160319	-1.2241148	-1.463119	No data availabl	-1.2825176	-0.62248665	0.37387168	-0.21674974	0.25595018	-0.15512157
A_01_P1750041	ATG14	0.5069828	1.0416311	1.5243319	1.3915168	1.11611565	-0.0809342	-0.3782611	0.50377226	-0.20543995	0.014858987
A_01_P1818781	A_01_P1818781	1.4410468	0.6012198	No data availabl	0.8463046	0.962857067	-0.31994775	-0.12653561	0.35393304	0.006955212	-0.030850107