

Table S1. Gene expression array results

All genes, P<0.05

TargetID	Signal_X	Signal_Y	Detection1	Detection2	Diff_Score	p-value	Fold_chan	Log_ratio(Probe)	SEARCH_K	ACCESSION	PROBE_ID	DEFINITION	SYNONYMS
CML3	22.9	0.4	0.0043	0.4177	-18.0628	0.015621	0.017467	-5.8392	6940753	ILMN_221	NM_0530	ILMN_273	Mus musci 4930583K21Rik; 4833414A14Rik
RAVER2	19.3	1.4	0.0085	0.3387	-17.4767	0.017878	0.072539	-3.7851	5360441	ILMN_214	NM_1830	ILMN_300	Mus musci RP23-336G7.1; A430091O22Rik
9030224M	20.2	2.6	0.0064	0.2585	-16.5668	0.022046	0.128713	-2.95777	7650272	ILMN_209	NM_1777	ILMN_125	Mus musculus RIKEN cDNA 9030224M15Rik, (9030224M15Rik),
SUSTRK4	58.3	7.9	0	0.0684	-20.1928	0.009566	0.135506	-2.88357	5550274	ILMN_219	NM_1787	ILMN_271	Mus musci 6430513G13; D930039109Rik
DENND5B	20.7	2.9	0.0064	0.2489	-14.6792	0.034047	0.140097	-2.83551	2690348	ILMN_218	NM_1771	ILMN_270	Mus musci 9330160C06Rik
CITA	25	3.9	0.0032	0.2051	-19.8307	0.010398	0.156	-2.68038	2630463	ILMN_217	NM_0075	ILMN_267	Mus musci MGC130299; C2ta; CITA
CDSN	31.8	5.1	0	0.1635	-16.5987	0.021884	0.160377	-2.64046	290333	ILMN_198	NM_0010	ILMN_125	Mus musci A1747712
COMP	50.7	8.4	0	0.0598	-19.1511	0.012159	0.16568	-2.59352	3440538	ILMN_224	NM_0166	ILMN_2773395	
CPEB2	30.9	5.6	0	0.1239	-22.1154	0.006144	0.18123	-2.46411	2370707	ILMN_191	NM_1759	ILMN_258	Mus musci A630055H10Rik
TNFRSF19	163.5	36.2	0	0	-13.4736	0.044941	0.221407	-2.17523	2060546	ILMN_188	NM_0138	ILMN_279	Mus musci Tnfrsf20; TAJ; TAJ-ALPHA; ALO23044; AW123854; Troy;
PRODH	222.7	49.6	0	0	-14.5844	0.034798	0.222721	-2.16669	3060400	ILMN_213	NM_0111	ILMN_2636666	
ATG9B	129.4	29.2	0	0.0011	-13.3351	0.046397	0.225657	-2.1478	3140682	ILMN_249	NM_0010	ILMN_316	Mus musci App9l2; Nos3as; App9l2; sONE; eONE; Appdc2; Gm574
LOC38616	53	12.8	0	0.0214	-13.1651	0.048249	0.241509	-2.04985	6400364	ILMN_200	XM_35910	ILMN_1236603	
N4BP2	48.4	12	0	0.0256	-27.6138	0.001732	0.247934	-2.01957	6770367	ILMN_261	NM_0010	ILMN_297	Mus musci Gm868; E43001416; N4bp2; Gm1791
SLC20A1	21.2	5.6	0.0053	0.1335	-13.1338	0.048598	0.264151	-1.92107	1340240	ILMN_206	AK084159	ILMN_1247410	
Gm684	64.6	19.5	0	0.0075	-31.0779	0.00078	0.301858	-1.72806	2100022	ILMN_198	NM_92486	ILMN_121	PREDICTED: Mus musculus gene model 684, (NCBI) (Gm684), mRN
ZMYND10	42.9	13.1	0	0.0235	-17.2981	0.018629	0.305361	-1.71141	7510273	ILMN_185	NM_0532	ILMN_125	Mus musci Blu
SLCSA5	59.5	18.3	0	0.0128	-13.0524	0.049518	0.307563	-1.70105	270086	ILMN_186	NM_0532	ILMN_1245214	
KCAP2L	41.5	13	0	0.0224	-19.0591	0.012419	0.313253	-1.6746	2450270	ILMN_214	NM_1815	ILMN_123	Mus musci 2610318C08Rik; AV070319; 2010016H04Rik
KCNA6	149.3	46.8	0	0	-24.2006	0.003801	0.313463	-1.67363	7000487	ILMN_209	NM_0135	ILMN_2596385	
ID12	30.6	9.6	0	0.0491	-13.9427	0.040339	0.313725	-1.67243	2320356	ILMN_217	NM_1771	ILMN_121	Mus musci IPP12; 4833405L16Rik
GSG1L	97.9	30.8	0	0	-36.6985	0.000214	0.314607	-1.66838	5700164	ILMN_189	XM_91462	ILMN_246	PREDICTED: Mus musculus GSG1L-like (Gsg1l), mRNA.
LRP8	48.3	15.6	0	0.016	-23.4586	0.00451	0.322981	-1.63048	5960131	ILMN_204	NM_0010	ILMN_124	Mus musci Lr8b; 4932703M08Rik; apoER2
ZFP276	48.5	16.3	0	0.0139	-23.4999	0.004467	0.336082	-1.57311	1770349	ILMN_187	NM_0204	ILMN_1222031	
CDC25A	52.3	17.8	0	0.0128	-20.463	0.008989	0.340344	-1.55493	3440100	ILMN_189	NM_0076	ILMN_277	Mus musci D9ErtD393e
DNAUC14	27.2	9.3	0.0021	0.0491	-13.8976	0.040761	0.341912	-1.5483	2370594	ILMN_222	NM_0288	ILMN_275	Mus musci DNJ; LIP6; HDJ3; DRIP78; 5730551F12Rik
PITPNM3	25.7	8.8	0.0032	0.0598	-13.2337	0.047493	0.342412	-1.54619	1340167	ILMN_256	NM_0010	ILMN_311	Mus musci A1848332; A330068P14Rik; Gm880
ATM	33.6	12.3	0	0.0235	-14.4862	0.035594	0.366071	-1.4498	4560551	ILMN_214	NM_0074	ILMN_278	Mus musci C030026E19Rik; A1256621
PCDH21	1318.2	486	0	0	-43.8866	4.09E-05	0.368685	-1.43954	2060296	ILMN_216	NM_1308	ILMN_298	Mus musci KIAA1775; Prcad
EXTL1	202.1	76.1	0	0	-20.4388	0.009039	0.376546	-1.4091	1340133	ILMN_185	NM_0195	ILMN_1215877	
SLC27A3	143.9	55.9	0	0	-21.6015	0.006916	0.388464	-1.36415	6660747	ILMN_222	NM_1309	ILMN_2747857	
SLC38A3	46.2	18.2	0	0.0107	-17.2512	0.018831	0.393939	-1.34395	6100154	ILMN_222	NM_0238	ILMN_279	Mus musci Slc38-3; 0610012J02Rik; Nat1; D9Ucla2
1700013G	55	22	0	0.0032	-15.7845	0.026397	0.4	-1.32193	4070497	ILMN_196	XM_8895	ILMN_122	PREDICTED: Mus musculus RIKEN cDNA 1700013G10 gene (17000
EXTL1	297.3	120.9	0	0	-14.0799	0.039085	0.40666	-1.29811	7210669	ILMN_258	NM_0195	ILMN_287	Mus musci D430033M16Rik
ADORA1	108.1	44.1	0	0	-22.3925	0.005764	0.407956	-1.29352	7510408	ILMN_216	NM_0010	ILMN_125	Mus musci A1AR; A1R; BB176431; A1848715
C630028N	71.4	29.3	0	0.0011	-13.3655	0.046073	0.410364	-1.28502	2570100	ILMN_259	NM_1773	ILMN_296	Mus musculus RIKEN cDNA C630028N24 gene (C630028N24Rik), r
CML4	133.3	57	0	0	-19.3409	0.011639	0.427607	-1.22564	3170255	ILMN_223	NM_0234	ILMN_121	Mus musci 0610037016Rik
TRP6	429.2	186	0	0	-18.0675	0.015605	0.433364	-1.20635	580064	ILMN_189	NM_0116	ILMN_121	Mus musci p51/p63; Ket; TAp63; p63; MGC115972; A1462811; Trp
IL20RB	306.6	135.3	0	0	-16.5995	0.02188	0.441292	-1.1802	5050753	ILMN_246	NM_0010	ILMN_304	Mus musci MGC130209; Fndc6; AV228068; Gm186
RFTN2	40.9	18.4	0	0.0118	-14.7577	0.033437	0.449878	-1.1524	6590243	ILMN_186	NM_0287	ILMN_121	Mus musci 3222401M22Rik; KIAA0084; 2700010E02Rik
MICALL2	98.3	44.6	0	0	-23.7376	0.004429	0.453713	-1.14015	6650349	ILMN_192	NM_1748	ILMN_271	Mus musci J1RAB; MICAL-L2; A930021H16Rik; FJ100139; mFLU0013
TCFAP2C	332	153.7	0	0	-15.4516	0.0285	0.462952	-1.11107	3780711	ILMN_223	NM_0093	ILMN_123	Mus musci AA409384; Ap-2.2
ZFP295	46.1	21.6	0	0.0053	-15.1936	0.030244	0.468547	-1.09374	5420756	ILMN_192	NM_0010	ILMN_125	Mus musci Znf295; B430213I24Rik; 5430437K12Rik; mKIAA1227
CRISPLD2	258.9	122.3	0	0	-19.5044	0.011209	0.472383	-1.08197	3780102	ILMN_208	NM_0302	ILMN_125	Mus musci Lcrisp2; MGC116029; 1810049K24Rik
PIK3R3	157.7	74.5	0	0	-19.8981	0.010237	0.472416	-1.08187	1400184	ILMN_212	NM_1815	ILMN_124	Mus musci p55pik; AA414954
D12ERTD5	132	62.4	0	0	-21.342	0.007342	0.472727	-1.08092	610491	ILMN_244	NM_0297	ILMN_298	Mus musci 2410157M17Rik; 9630047E15
KRT5	130.4	62.1	0	0	-15.2165	0.030085	0.476227	-1.07028	7150326	ILMN_221	NM_0270	ILMN_274	Mus musci AW146334; Krt2-5; K5; 330001P10Rik; Tfpb8
POLD1	327.5	156.5	0	0	-17.3573	0.018377	0.477863	-1.06533	5220358	ILMN_215	NM_0111	ILMN_265	Mus musci 125Kda
USP37	62.2	30.1	0	0	-17.382	0.018273	0.483293	-1.04715	4210576	ILMN_184	NM_1769	ILMN_123	Mus musci 4932415L06Rik; C330008N13Rik
KCNA6	96.1	46.8	0	0	-16.4536	0.022628	0.486993	-1.03803	3140612	ILMN_209	NM_0135	ILMN_2760927	
LOC38061	84.4	41.3	0	0	-13.4513	0.045172	0.489336	-1.0311	2100561	ILMN_198	XM_14964	ILMN_1213986	
BACE1	469.7	230.2	0	0	-26.9024	0.002041	0.4901	-1.02885	580446	ILMN_215	NM_0117	ILMN_121	Mus musci C76936
DYSF	68.7	34	0	0	-17.5131	0.017729	0.494905	-1.01478	7610398	ILMN_229	NM_0214	ILMN_313	Mus musci mFLU00175; 2310004N10Rik; D6p3s; A1604795
PAPLN	928.9	461.9	0	0	-19.116	0.012257	0.497255	-1.00794	2680672	ILMN_219	NM_1308	ILMN_270	Mus musci E030033C16Rik
ORF19	62.5	31.1	0	0	-13.9805	0.03999	0.4976	-1.00694	7150112	ILMN_210	NM_0268	ILMN_124	Mus musci 1110049F14Rik
ZFP334	50.6	25.2	0	0.0011	-14.6331	0.03441	0.498024	-1.00571	6060521	ILMN_184	NM_1784	ILMN_285	Mus musci MGC27911; D2ErdD535e
TUBE1	54.3	27.2	0	0.0011	-15.1068	0.030855	0.500921	-0.99735	2600475	ILMN_252	NM_0280	ILMN_316	Mus musci 2310061K05Rik; Tube; A1551343
C330016O	46.6	23.4	0	0.0032	-13.6623	0.04303	0.502146	-0.99382	4070017	ILMN_217	NM_1459	ILMN_2685222	
BEX4	119.8	60.3	0	0	-17.0809	0.019584	0.503339	-0.9904	1410619	ILMN_231	NM_1214	ILMN_304	Mus musculus brain expressed gene 4 (Bex4), mRNA.
ZFP296	69.6	35.1	0	0	-15.2653	0.029749	0.50431	-0.98762	5670154	ILMN_190	NM_0224	ILMN_291	Mus musci 2210018A16Rik
6430548M	505.5	258.9	0	0	-20.455	0.009005	0.512166	-0.96532	7160070	ILMN_188	NM_1722	ILMN_1219474	
SIDT1	715.9	366.8	0	0	-14.435	0.036016	0.512362	-0.96476	870156	ILMN_218	NM_1980	ILMN_124	Mus musci B830021E24Rik; AW045928
SLC30A2	128.4	66.1	0	0	-15.3175	0.029393	0.514798	-0.95792	5130598	ILMN_220	XM_1317	ILMN_2718910	
LOC38640	316.2	163	0	0	-24.171	0.003827	0.515497	-0.95597	2230082	ILMN_200	XM_35921	ILMN_2538597	
CDC20	897.5	464.6	0	0	-15.2969	0.029533	0.51766	-0.94992	4610722	ILMN_211	NM_0232	ILMN_286	Mus musci C87100; p55CDC; 2310042N09Rik
RPS6K1L	226.8	118.3	0	0	-22.013	0.006291	0.521605	-0.93897	3800327	ILMN_214	NM_1462	ILMN_264	Mus musci A830084F09Rik; MGC38756; AW04644C
ODZ4	106.5	55.6	0	0	-14.8717	0.032571	0.522066	-0.9377	3060382	ILMN_194</			

