

Table S1 List of evQTLs detected in LCL, skin, and fat tissues.

Tissue		Gene	# of <i>cis</i> -evQTL SNPs	Representative evQTL SNP	Alleles	Allele associated with larger expression variance	Ancestral allele
LCL							
	1	<i>AGTPBP1</i>	61	rs7847905	T/C	C	T
	2	<i>ALG11</i>	171	rs9526819	G/A	G	A
	3	<i>ATP13A1</i>	108	rs4808964	C/A	C	A
	4	<i>AXIN2</i>	2	rs740026	G/A	A	G
	5	<i>BBS2</i>	41	rs14306	C/A	A	G
	6	<i>BRWD2</i>	43	rs729704	T/C	T	T
	7	<i>BTN3A2</i>	107	rs742090	C/A	A	G
	8	<i>C12ORF28</i>	173	rs775439	G/A	A	A
	9	<i>C12ORF54</i>	27	rs2731094	T/C	C	T
	10	<i>C16ORF30</i>	15	rs2076441	G/C	C	G
	11	<i>C17ORF97</i>	2	rs6565724	T/C	T	C
	12	<i>C7ORF28B</i>	3	rs10242703	G/A	A	A
	13	<i>CAPN11</i>	1	rs6938938	G/A	G	G
	14	<i>CDCP1</i>	3	rs6441894	T/C	C	T
	15	<i>CDO1</i>	21	rs698366	T/G	T	C
	16	<i>CHST3</i>	11	rs4148929	C/A	C	C
	17	<i>COPG2</i>	38	rs12706942	G/C	C	G
	18	<i>CORO2A</i>	12	rs12351801	T/C	T	C
	19	<i>COX4NB</i>	24	rs301164	T/C	C	C
	20	<i>CPA4</i>	74	rs6953940	G/A	A	G
	21	<i>CPNE1</i>	205	rs224354	G/C	G	C
	22	<i>DDIT4L</i>	64	rs2866194	G/A	A	A
	23	<i>EEF1G</i>	6	rs1058678	T/C	C	A
	24	<i>EIF5A</i>	1	rs7220464	T/G	T	G
	25	<i>EMR1</i>	2	rs4807916	T/C	C	C
	26	<i>ERAP2</i>	2	rs6880490	T/A	A	T
	27	<i>FLJ10916</i>	15	rs4246598	C/A	A	C
	28	<i>GAD1</i>	1	rs13007861	C/A	C	C
	29	<i>GDA</i>	19	rs7019060	G/A	A?	G
	30	<i>GOLPH4</i>	1	rs13100726	G/A	G	A
	31	<i>HCG22</i>	100	rs1064191	T/C	C	G
	32	<i>HCLS1</i>	2	rs4472078	T/C	T	G
	33	<i>HEY2</i>	36	rs628009	T/G	G?	A
	34	<i>HLA-DPB1</i>	59	rs9277341	T/C	T	C
	35	<i>HLA-DRB1</i>	27	rs9272723	T/C	C	T
	36	<i>HMHB1</i>	3	rs17100739	G/A	A	G
	37	<i>HYAL4</i>	8	rs12674456	T/C	T	T
	38	<i>IKZF1</i>	14	rs7789635	T/C	C	T
	39	<i>IPO8</i>	32	rs1371053	T/C	C	C
	40	<i>IRF5</i>	3	rs10156169	G/A	A	G
	41	<i>ITIH4</i>	26	rs2240915	T/A	T	T
	42	<i>KANK1</i>	17	rs2361106	G/A	G	A
	43	<i>KLHDC4</i>	2	rs2012475	T/G	G	T
	44	<i>LDHC</i>	19	rs3993291	T/C	T	C
	45	<i>LEMD3</i>	77	rs11175680	G/C	G	A
	46	<i>LOC440160</i>	8	rs12052294	G/A	A	G
	47	<i>LOC642290</i>	1	rs7255207	T/C	T	C
	48	<i>LOC648453</i>	3	rs17753176	T/A	A	A
	49	<i>LOC650263</i>	44	rs726920	G/C	G	G
	50	<i>LOC650557</i>	445	rs1980495	C/A	C	G
	51	<i>LTBR</i>	3	rs2364484	C/A	A	A
	52	<i>MED4</i>	53	rs9534912	T/C	T	C
	53	<i>MFF</i>	29	rs7573035	C/A	A	A
	54	<i>MGAT4A</i>	4	rs13032507	C/A	C	A
	55	<i>MMRN1</i>	3	rs7693616	T/G	G	T

	56	<i>MOCOS</i>	5	rs1893269	G/C	C	C
	57	<i>MTERFD2</i>	16	rs3815291	C/A	C	A
	58	<i>MTRR</i>	32	rs327588	G/C	C	G
	59	<i>MXRA7</i>	30	rs11077850	T/C	T	C
	60	<i>MYEOV</i>	24	rs7939250	G/A	G	A
	61	<i>MYH11</i>	18	rs3851702	T/C	C	G
	62	<i>N4BP2</i>	1	rs6824761	C/A	A	A
	63	<i>NLRP2</i>	5	rs11667481	G/A	A	G
	64	<i>NMNAT3</i>	21	rs4367021	C/A	A	C
	65	<i>NUDT2</i>	15	rs1337593	T/C	T	C
	66	<i>OAS1</i>	70	rs1293742	T/C	T	A
	67	<i>PAX8</i>	4	rs2863243	T/C	C	C
	68	<i>PGM5</i>	52	rs12685375	T/C	C	C
	69	<i>PHACS</i>	4	rs7928485	T/C	T	T
	70	<i>PILRB</i>	2	rs5015756	T/C	T	C
	71	<i>PJA2</i>	27	rs12719109	T/C	C	T
	72	<i>PLXDC2</i>	3	rs2038912	T/C	T	C
	73	<i>PPIC</i>	30	rs30063	G/A	G	T
	74	<i>PPIL3</i>	2	rs3731714	T/C	T	G
	75	<i>PRPF31</i>	19	rs254259	T/C	C	A
	76	<i>PTER</i>	8	rs7913889	G/A	A	C
	77	<i>RAMP1</i>	10	rs7578855	T/C	T	T
	78	<i>RGS17</i>	19	rs3870364	G/A	A	G
	79	<i>RPS6KA2</i>	24	rs9356531	G/A	G	A
	80	<i>SCD5</i>	49	rs2125171	T/C	C	G
	81	<i>SEMA4G</i>	20	rs752974	T/C	T	G
	82	<i>SERPINB10</i>	3	rs967538	T/G	G	T
	83	<i>SERPINB6</i>	7	rs7759176	T/C	C	G
	84	<i>SF1</i>	1	rs563536	T/C	C	T
	85	<i>SLC39A8</i>	80	rs151402	G/A	A	A
	86	<i>SNCA</i>	124	rs6824979	G/C	G	G
	87	<i>SNHG5</i>	8	rs12190637	G/A	G	A
	88	<i>STEAP2</i>	101	rs42617	T/A	T	T
	89	<i>TBKBP1</i>	55	rs1912483	G/A	G	A
	90	<i>TIMM10</i>	49	rs514385	T/C	T	C
	91	<i>TIMM22</i>	3	rs2586306	T/A	T	A
	92	<i>UBE3C</i>	8	rs1182392	T/C	T	G
	93	<i>USP6</i>	61	rs6502843	G/A	A	A
	94	<i>WBSCR27</i>	40	rs13244770	T/G	T	T
	95	<i>WDR41</i>	109	rs4704434	G/A	A	A
	96	<i>XRN2</i>	157	rs804384	G/A	A	G
	97	<i>XYLT1</i>	7	rs4238652	T/C	C	C
	98	<i>YPEL4</i>	44	rs633129	G/A	A	C
	99	<i>ZNF544</i>	1	rs260462	G/A	A	G
SKIN							
	1	<i>ACCN1</i>	2	rs7207800	A/G	G	A
	2	<i>ACTC1</i>	4	rs8039278	T/G	G	T
	3	<i>AGR3</i>	2	rs17629719	G/T	G	G
	4	<i>ATP13A1</i>	102	rs741706	A/G	G	A
	5	<i>C10ORF53</i>	1	rs751595	A/G	G	C
	6	<i>C8ORF42</i>	1	rs17665859	C/T	T	T
	7	<i>CACNA1H</i>	1	rs2745167	T/C	T	C
	8	<i>CCL23</i>	28	rs864104	C/T	C	A
	9	<i>CLLU10S</i>	4	rs4760407	T/C	T	C
	10	<i>COPG2</i>	1	rs10863	A/G	A	G
	11	<i>EEF1G</i>	1	rs11231168	T/C	T	C
	12	<i>FLJ10916</i>	7	rs1878809	C/G	G	C
	13	<i>FLJ35429</i>	1	rs6457121	G/A	A	G
	14	<i>FLJ45964</i>	3	rs6713353	G/C	G	C
	15	<i>FTHL7</i>	1	rs7991197	C/T	T	T
	16	<i>GUCY1B2</i>	31	rs9568497	C/T	T	T
	17	<i>HERC6</i>	7	rs713175	C/T	T	C
	18	<i>LOC147650</i>	2	rs8102075	A/G	A	G

	19	<i>LOC283398</i>	1	rs10859604	A/G	A	A
	20	<i>LOC643453</i>	2	rs4876979	G/T	T	C
	21	<i>LOC643747</i>	2	rs12301198	G/A	A	A
	22	<i>LOC644366</i>	2	rs3851781	T/C	T	C
	23	<i>LOC644889</i>	3	rs11024097	G/A	G	C
	24	<i>LOC645351</i>	1	rs7712944	G/A	G	G
	25	<i>LOC645797</i>	9	rs7481311	A/G	G	C
	26	<i>LOC647541</i>	3	rs2808788	A/G	G	G
	27	<i>LOC648226</i>	11	rs7850776	C/T	C	C
	28	<i>LOC652367</i>	2	rs860214	C/T	T	G
	29	<i>LOC653034</i>	1	rs231674	T/C	C	C
	30	<i>LOC653486</i>	1	rs3758653	C/T	C	T
	31	<i>LOC730684</i>	2	rs667470	C/T	T	T
	32	<i>LTBP3</i>	1	rs2236684	G/T	T	A
	33	<i>MDGA1</i>	4	rs7748388	C/T	C	G
	34	<i>MED4</i>	69	rs9567986	T/C	C	T
	35	<i>MUC16</i>	1	rs12459695	C/G	G	G
	36	<i>NOX3</i>	1	rs11756851	C/T	C	T
	37	<i>NUPL1</i>	1	rs9507399	A/G	A	G
	38	<i>PAX8</i>	5	rs7589901	C/T	T	A
	39	<i>PECR</i>	12	rs7570208	C/A	C	G
	40	<i>PKD1L2</i>	10	rs9934926	C/T	T	A
	41	<i>SEMA4G</i>	18	rs807029	C/T	C	G
	42	<i>SH2D4A</i>	7	rs748208	T/C	T	C
	43	<i>SOX5</i>	1	rs17468457	C/T	T	T
	44	<i>SPINK7</i>	95	rs999741	C/T	T	C
	45	<i>TFG</i>	86	rs9878163	A/G	G	A
	46	<i>TIMM10</i>	119	rs7943793	A/G	G	T
	47	<i>TMEM25</i>	3	rs573971	G/A	A	A
	48	<i>UNC45A</i>	8	rs871078	G/C	C	A
	49	<i>UPK1A</i>	15	rs4806197	C/T	T	C
	50	<i>USMG5</i>	27	rs4918003	C/G	G	T
	51	<i>WDR41</i>	39	rs7714170	C/T	T	A
	52	<i>WFIKKN1</i>	20	rs7205409	C/T	C	C
	53	<i>XYLT1</i>	1	rs1045885	G/C	C	C
	54	<i>ZNF365</i>	63	rs7923561	C/T	C	A
	55	<i>ZNF418</i>	63	rs9749429	T/C	T	C
	56	<i>ZNF713</i>	1	rs4948003	A/T	A	T
FAT							
	1	<i>ADH4</i>	30	rs7694844	A/C	A	T
	2	<i>AGTPBP1</i>	33	rs918941	C/T	T	G
	3	<i>ATP13A1</i>	98	rs968525	A/T	T	C
	4	<i>B4GALT4</i>	4	rs4449310	A/G	A	C
	5	<i>BRWD2</i>	45	rs9325569	A/T	T	G
	6	<i>CCL23</i>	13	rs864104	A/G	G	A
	7	<i>CDK6</i>	3	rs982692	C/G	C	T
	8	<i>CHST13</i>	5	rs6786437	C/A	C	C
	9	<i>CLEC12A</i>	5	rs7313235	T/C	C	C
	10	<i>CLUAP1</i>	2	rs6501178	A/C	A	A
	11	<i>COG6</i>	1	rs2180960	T/G	G	G
	12	<i>COPG2</i>	34	rs992859	A/G	A	C
	13	<i>DAPL1</i>	2	rs759033	C/G	C	T
	14	<i>DLG4</i>	4	rs8067250	C/G	G	C
	15	<i>DMKN</i>	2	rs6510492	A/G	G	T
	16	<i>DPYSL4</i>	23	rs902627	G/T	G	G
	17	<i>DSEL</i>	8	rs9946666	C/T	T	T
	18	<i>EIF3H</i>	1	rs1695714	G/T	T	A
	19	<i>EMR2</i>	18	rs8107048	A/G	A	C
	20	<i>FGA</i>	1	rs1316990	C/T	T	C
	21	<i>FLJ10916</i>	7	rs7425197	C/G	G	C
	22	<i>FTHL7</i>	1	rs3945859	G/T	G	T
	23	<i>FUT4</i>	6	rs596855	A/G	G	C

24	<i>GUCA1C</i>	1	rs9821923	C/A	C	A
25	<i>HLA-DPB1</i>	29	rs9469485	T/G	T	C
26	<i>HLA-DRB1</i>	54	rs9275141	A/C	A	G
27	<i>HMHB1</i>	2	rs17100749	C/G	G	G
28	<i>IKZF1</i>	4	rs6952409	A/G	G	G
29	<i>IL1RN</i>	2	rs315948	T/C	T	G
30	<i>IL8</i>	18	rs552582	T/G	T	A
31	<i>IPO8</i>	21	rs9300199	C/T	T	T
32	<i>IRF5</i>	41	rs7808907	A/G	G	C
33	<i>ITGA4</i>	1	rs13429032	A/G	G	G
34	<i>KCTD10</i>	42	rs9593	C/T	?	A
35	<i>KCTD12</i>	2	rs9600792	A/G	G	T
36	<i>KCTD8</i>	7	rs7684615	G/C	C	G
37	<i>LAIR2</i>	1	rs4806747	A/G	A	A
38	<i>LDHC</i>	65	rs7946331	C/G	G	G
39	<i>LEMD3</i>	65	rs990609	A/C	A	C
40	<i>LILRA2</i>	3	rs1671176	A/C	C	C
41	<i>LOC644366</i>	3	rs3851781	C/T	C	C
42	<i>LOC644889</i>	2	rs1544506	T/C	T	C
43	<i>LOC645460</i>	1	rs17762258	G/A	G	A
44	<i>LOC646625</i>	7	rs9554219	G/T	T	T
45	<i>LOC653034</i>	1	rs7225168	G/T	T	G
46	<i>LRRC25</i>	6	rs8101804	G/A	A	C
47	<i>LZTS1</i>	1	rs13264395	G/C	G	C
48	<i>MAPK7</i>	3	rs9911451	A/T	A	A
49	<i>MARCH8</i>	81	rs984955	C/T	T	A
50	<i>MED4</i>	101	rs9595825	C/T	T	T
51	<i>MEGF9</i>	50	rs991121	C/T	T	G
52	<i>MFF</i>	14	rs9646881	A/C	C	G
53	<i>MGC12965</i>	5	rs682229	T/C	C	A
54	<i>MOCOS</i>	2	rs604271	G/A	G	A
55	<i>MYH1</i>	50	rs995362	T/C	T	G
56	<i>NUDT2</i>	15	rs4480190	C/G	C	C
57	<i>PAX8</i>	14	rs895417	T/C	T	A
58	<i>PLIN</i>	1	rs16942690	G/A	G	A
59	<i>PMP2</i>	1	rs13261227	A/G	G	C
60	<i>PPIL3</i>	5	rs7582581	A/G	G	T
61	<i>PRPF31</i>	11	rs42318	G/A	A	G
62	<i>PTCHD3</i>	39	rs7342136	A/G	A	T
63	<i>PTER</i>	2	rs2298126	A/C	C	A
64	<i>RAB37</i>	2	rs3850121	T/C	C	G
65	<i>RIMS2</i>	37	rs4734094	T/A	A	G
66	<i>RNF126P1</i>	14	rs9303389	G/C	G	G
67	<i>RPL14</i>	127	rs9968170	T/C	C	T
68	<i>SEMA4G</i>	30	rs807029	C/T	C	G
69	<i>SFTPD</i>	52	rs9421727	C/T	C	T
70	<i>SILV</i>	4	rs3213122	A/G	A	C
71	<i>SLC39A8</i>	51	rs9705	A/G	G	G
72	<i>STMN2</i>	15	rs4305892	A/G	A	T
73	<i>TFG</i>	109	rs989795	A/G	G	T
74	<i>TIMM10</i>	162	rs929934	A/G	G	G
75	<i>TRPC4AP</i>	17	rs6120827	T/G	T	T
76	<i>USMG5</i>	26	rs7913461	C/G	C	A
77	<i>WBSCR27</i>	31	rs8629	G/C	C	C
78	<i>WDR41</i>	5	rs335655	C/A	C	G
79	<i>ZNF232</i>	87	rs9912506	A/G	A	G