

Table S2 (A) P-values of Kolmogorov-Smirnov (K-S) test of pairwise comparison between groups in the RMD distribution and basic descriptive statistics for the RMD values. Upper diagonal P-values are from randomly selected non-evQTL genes. Results obtained from the Box-Cox normalized and not normalized data are given. **(B) The per-probe statistics of RMD values for larger variance groups (MZ-L and DZ-L).** Probes with no SNP in either groups are not shown.

A Log2-transformed data				
	MZ-S	DZ-S	MZ-L	DZ-L
MZ-S	-	0.40	0.031	2.94e-04
DZ-S	9.34e-06	-	0.033	0.026
MZ-L	8.82e-18	1.66e-06	-	0.16
DZ-L	1.40e-78	1.66e-52	7.28e-22	-
Box-Cox normalized log2-transformed data				
	MZ-S	DZ-S	MZ-L	DZ-L
MZ-S	-	0.1670	4.49e-08	1.98e-14
DZ-S	0.0486	-	9.60e-11	8.30e-20
MZ-L	1.59e-68	1.57e-80	-	0.0333
DZ-L	2.97e-85	1.69e-99	1.84e-07	-

B	Probe	RMD in MZ-L and DZ-L groups					
		MZ-L			DZ-L		
		# of SNPs	Mean	Median	# of SNPs	Mean	Median
ILMN_1658247	37	0.0126	0.0103	47	0.0366	0.0150	
ILMN_1660086	75	0.0127	0.0091	84	0.0180	0.0123	
ILMN_1664641	6	0.0062	0.0060	31	0.0131	0.0106	
ILMN_1667229	24	0.0138	0.0098	25	0.0212	0.0129	
ILMN_1669032	62	0.0142	0.0098	44	0.0178	0.0175	
ILMN_1670841	6	0.0048	0.0047	3	0.0135	0.0180	
ILMN_1675616	36	0.0102	0.0094	39	0.0111	0.0101	
ILMN_1676528	41	0.0127	0.0083	45	0.0332	0.0181	
ILMN_1676575	29	0.0118	0.0108	35	0.0255	0.0167	
ILMN_1677124	31	0.0079	0.0042	29	0.0141	0.0144	
ILMN_1678974	50	0.0115	0.0085	28	0.0175	0.0148	
ILMN_1682034	124	0.0100	0.0083	178	0.0112	0.0086	
ILMN_1696537	16	0.0139	0.0101	5	0.0090	0.0047	
ILMN_1701933	27	0.0204	0.0176	31	0.0325	0.0238	
ILMN_1704598	4	0.0114	0.0119	2	0.0145	0.0145	
ILMN_1706959	32	0.0068	0.0051	35	0.0115	0.0083	
ILMN_1707137	9	0.0128	0.0089	7	0.0251	0.0083	
ILMN_1709173	6	0.0093	0.0090	2	0.0041	0.0041	
ILMN_1709590	19	0.0172	0.0114	6	0.0126	0.0114	
ILMN_1712400	7	0.0101	0.0084	10	0.0261	0.0237	
ILMN_1713803	9	0.0109	0.0129	7	0.0205	0.0090	
ILMN_1715169	20	0.0214	0.0162	11	0.0323	0.0264	
ILMN_1715693	75	0.0112	0.0090	69	0.0173	0.0130	
ILMN_1716218	11	0.0119	0.0125	9	0.0148	0.0071	
ILMN_1718932	111	0.0148	0.0106	143	0.0277	0.0151	
ILMN_1719170	31	0.0087	0.0075	28	0.0149	0.0115	
ILMN_1719204	50	0.0067	0.0064	53	0.0130	0.0075	
ILMN_1721727	29	0.0117	0.0079	21	0.0233	0.0131	
ILMN_1723984	41	0.0109	0.0093	43	0.0095	0.0076	
ILMN_1724480	47	0.0108	0.0083	35	0.0206	0.0171	
ILMN_1726624	11	0.0088	0.0101	8	0.0175	0.0116	
ILMN_1743836	2	0.0077	0.0077	20	0.0089	0.0087	
ILMN_1745043	11	0.0064	0.0040	8	0.0120	0.0112	
ILMN_1749070	12	0.0082	0.0081	9	0.0129	0.0111	
ILMN_1751559	14	0.0124	0.0087	11	0.0096	0.0066	
ILMN_1752150	7	0.0176	0.0155	7	0.0120	0.0116	
ILMN_1753164	49	0.0079	0.0062	46	0.0260	0.0085	
ILMN_1753312	26	0.0151	0.0118	29	0.0145	0.0117	

ILMN_1756579	41	0.0079	0.0055	33	0.0090	0.0065
ILMN_1764754	35	0.0096	0.0070	27	0.0179	0.0128
ILMN_1765274	24	0.0114	0.0085	17	0.0150	0.0103
ILMN_1765332	38	0.0088	0.0067	42	0.0199	0.0171
ILMN_1766165	27	0.0118	0.0077	31	0.0141	0.0119
ILMN_1778347	21	0.0084	0.0088	10	0.0132	0.0089
ILMN_1778488	14	0.0069	0.0070	14	0.0141	0.0052
ILMN_1780601	8	0.0166	0.0132	7	0.0133	0.0117
ILMN_1781388	19	0.0155	0.0119	6	0.0212	0.0121
ILMN_1784294	32	0.0149	0.0111	31	0.0218	0.0195
ILMN_1787199	62	0.0077	0.0059	53	0.0083	0.0065
ILMN_1795336	52	0.0080	0.0045	54	0.0209	0.0107
ILMN_1809496	27	0.0108	0.0099	17	0.0153	0.0098
ILMN_1813746	18	0.0173	0.0118	13	0.0237	0.0177
ILMN_1835359	9	0.0125	0.0104	3	0.0232	0.0180
ILMN_1836218	29	0.0090	0.0080	31	0.0147	0.0088
ILMN_1851610	2	0.0029	0.0029	22	0.0079	0.0056
ILMN_1854132	13	0.0102	0.0081	10	0.0077	0.0055
ILMN_1864228	1	0.0141	0.0141	11	0.0123	0.0064
ILMN_1885273	14	0.0124	0.0095	6	0.0116	0.0088
ILMN_1897741	12	0.0090	0.0075	8	0.0296	0.0290
ILMN_1900622	1	0.0047	0.0047	1	0.0024	0.0024
ILMN_1900994	10	0.0062	0.0033	5	0.0086	0.0075
ILMN_1904238	53	0.0120	0.0091	46	0.0192	0.0141
ILMN_2086222	61	0.0140	0.0116	61	0.0119	0.0090
ILMN_2120982	4	0.0167	0.0157	7	0.0111	0.0080
ILMN_2134224	15	0.0086	0.0086	7	0.0067	0.0039
ILMN_2147424	21	0.0124	0.0101	24	0.0239	0.0187
ILMN_2154287	3	0.0294	0.0370	1	0.0061	0.0061
ILMN_2173294	45	0.0062	0.0049	28	0.0147	0.0095
ILMN_2181363	20	0.0141	0.0106	12	0.0074	0.0034
ILMN_2183938	20	0.0220	0.0172	11	0.0441	0.0346
ILMN_2196479	14	0.0129	0.0090	13	0.0197	0.0128
ILMN_2198408	15	0.0196	0.0148	11	0.0237	0.0209
ILMN_2200659	109	0.0069	0.0058	131	0.0146	0.0091
ILMN_2223922	4	0.0104	0.0116	1	0.0088	0.0088
ILMN_2233539	55	0.0192	0.0135	58	0.0266	0.0151
ILMN_2237428	10	0.0134	0.0115	5	0.0129	0.0075
ILMN_2246083	53	0.0247	0.0188	40	0.0299	0.0257
ILMN_2262288	91	0.0079	0.0046	113	0.0153	0.0096