

Full significant Mendelian randomization results

Gene	Tissue	Data A			Data B			GWAS evidence from DisGeNET (PMID)
		β	s.e.	P value	β	s.e.	P value	
<i>UQCCI</i>	Artery Aorta	-0.4690	0.0218	4.04E-103	-0.3509	0.0094	1.41E-305	18193045, 18391950, 18391951, 18391952, 19343178, 25429064, 28552196, 30595370, 31217584
<i>UQCCI</i>	Breast Mammary Tissue	-0.2544	0.0118	4.04E-103	-0.1904	0.0051	1.41E-305	18193045, 18391950, 18391951, 18391952, 19343178, 25429064, 28552196, 30595370, 31217584
<i>UQCCI</i>	Adipose Visceral Omentum	-0.2514	0.0113	1.75E-110	-0.1892	0.0051	6.88E-305	18193045, 18391950, 18391951, 18391952, 19343178, 19396169, 19893584, 20189936, 20881960, 21998595, 23563607, 25282103, 25429064, 28270201, 28552196, 30595370, 31217584, 31562340
<i>ZBTB38</i>	Thyroid	0.3182	0.0145	1.19E-106	0.2284	0.0064	1.15E-276	25429064
<i>CEP250</i>	Esophagus Mucosa	0.2928	0.0144	8.12E-92	0.2141	0.0065	7.15E-236	18391951, 18391952, 19396169, 20189936, 20397748, 20881960, 23563607, 25282103, 25429064, 28552196, 30595370, 31217584, 31562340
<i>DCAF16</i>	Spleen	0.1440	0.0082	1.76E-69	0.1075	0.0035	4.94E-212	30595370
<i>EFEMP1</i>	Thyroid	-0.1415	0.0099	1.54E-46	-0.1258	0.0043	3.14E-190	19343178, 20189936, 20881960, 25282103, 25429064, 28552196, 30595370, 31217584, 31562340
<i>ANKIB1</i>	Esophagus Gastroesophageal Junction	-0.1981	0.0101	2.76E-86	-0.1348	0.0046	7.30E-186	30595370
<i>GNA12</i>	Esophagus Muscularis	-0.0965	0.0054	5.65E-71	-0.0693	0.0024	1.20E-181	19343178, 20189936, 20881960, 25282103, 25429064, 28552196, 30595370, 31217584
<i>GNA12</i>	Esophagus Mucosa	-0.1946	0.0111	1.43E-68	-0.1415	0.0049	6.82E-180	19343178, 20189936, 20881960, 25282103, 25429064, 28552196, 30595370, 31217584
<i>ZBTB38</i>	Esophagus Muscularis	0.2537	0.0169	7.34E-51	0.2048	0.0072	8.82E-177	18193045, 18391950, 18391951, 18391952, 19343178, 19396169, 19893584, 20189936, 20881960, 21998595, 23563607, 25282103, 25429064, 28270201, 28552196, 30595370, 31217584, 31562340
<i>AMZ1</i>	Brain Nucleus accumbens basal ganglia	0.1031	0.0058	5.65E-71	0.0722	0.0026	6.68E-175	18391951, 20189936, 20881960, 23563607, 25282103, 25429064, 28552196, 30595370, 31217584, 31562340
<i>GNA12</i>	Colon Sigmoid	-0.1368	0.0078	1.43E-68	-0.0975	0.0035	6.68E-175	19343178, 20189936, 20881960, 25282103, 25429064, 28552196, 30595370, 31217584
<i>RBMS1P1</i>	Artery Tibial	0.2436	0.0145	3.77E-63	0.1750	0.0063	3.00E-171	19343178, 20189936, 20881960, 25282103, 25429064, 28552196, 30595370, 31217584
<i>GNA12</i>	Artery Tibial	-0.0988	0.0059	6.87E-64	-0.0729	0.0026	3.11E-171	18391951, 18391952, 19396169, 20189936, 20397748, 20881960, 23563607, 25282103, 25429064, 28552196, 30595370, 31217584
<i>EFEMP1</i>	Brain Frontal Cortex BA9	-0.1439	0.0096	7.34E-51	-0.1191	0.0043	3.00E-170	18391951, 18391952, 19396169, 20189936, 20397748, 20881960, 23563607, 25282103, 25429064, 28552196, 30595370, 31217584, 31562340
<i>GNA12</i>	Colon Transverse	-0.2217	0.0127	1.43E-68	-0.1571	0.0057	6.78E-170	19343178, 20189936, 20881960, 25282103, 25429064, 28552196, 30595370, 31217584
<i>GNA12</i>	Cells EBV-transformed lymphocytes	-0.0568	0.0034	6.87E-64	-0.0413	0.0015	1.37E-168	19343178, 20189936, 20881960, 25282103, 25429064, 28552196, 30595370, 31217584
<i>GNA12</i>	Heart Left Ventricle	-0.1304	0.0077	6.87E-64	-0.0946	0.0034	1.37E-168	19343178, 20189936, 20881960, 25282103, 25429064, 28552196, 30595370, 31217584
<i>GNA12</i>	Cells Transformed fibroblasts	-0.1288	0.0076	6.87E-64	-0.0935	0.0034	1.38E-167	19343178, 20189936, 20881960, 25282103, 25429064, 28552196, 30595370, 31217584
<i>GNA12</i>	Spleen	-0.0977	0.0058	6.87E-64	-0.0710	0.0026	1.38E-167	19343178, 20189936, 20881960, 25282103, 25429064, 28552196, 30595370, 31217584
<i>GPR126</i>	Adipose Subcutaneous	0.1310	0.0085	7.03E-54	0.1010	0.0037	9.50E-166	

<i>UBE2Q2P1</i>	Pituitary	0.0898	0.0059	5.39E-52	0.0729	0.0027	5.52E-164	30595370
<i>C6orf1</i>	Skin Sun Exposed Lower leg	0.2760	0.0210	2.37E-39	0.2016	0.0074	4.44E-163	
<i>GNAI2</i>	Whole Blood	-0.1825	0.0114	3.48E-57	-0.1392	0.0051	6.55E-162	19343178, 20189936, 20881960, 25282103, 25429064, 28552196, 30595370, 31217584
<i>GPR126</i>	Skin Sun Exposed Lower leg	0.2166	0.0136	3.48E-57	0.1614	0.0060	8.52E-160	
<i>FER1L4</i>	Muscle Skeletal	-0.0895	0.0060	7.34E-51	-0.0721	0.0027	1.29E-155	28552196, 30595370
<i>BTN2A2</i>	Esophagus Mucosa	0.1803	0.0104	7.55E-67	0.1226	0.0047	3.28E-152	
<i>HIST1H4E</i>	Whole Blood	0.2457	0.0142	7.55E-67	0.1670	0.0064	3.28E-152	
<i>FAM83C</i>	Prostate	-0.0976	0.0060	7.39E-59	-0.0731	0.0028	2.42E-151	28552196
<i>CEP250</i>	Brain Cerebellum	-0.0616	0.0040	1.05E-53	-0.0468	0.0018	1.45E-150	25429064
<i>CEP250</i>	Brain Anterior cingulate cortex BA24	-0.0753	0.0047	8.40E-57	-0.0567	0.0022	1.90E-149	25429064
<i>CEP250</i>	Muscle Skeletal	-0.1297	0.0083	1.21E-55	-0.0961	0.0037	2.09E-149	25429064
<i>CEP250</i>	Colon Sigmoid	-0.1358	0.0086	1.21E-55	-0.1003	0.0039	2.06E-148	25429064
<i>SPAG4</i>	Adrenal Gland	-0.1003	0.0067	5.02E-50	-0.0790	0.0031	1.28E-147	
<i>SOGA1</i>	Nerve Tibial	0.2688	0.0179	7.34E-51	0.2014	0.0079	2.90E-144	
<i>C6orf1</i>	Esophagus Muscularis	0.2915	0.0222	2.37E-39	-0.2096	0.0082	3.68E-143	
<i>HIST1H4H</i>	Whole Blood	0.2596	0.0170	1.08E-52	0.1723	0.0068	6.97E-143	
<i>CEP250</i>	Esophagus Muscularis	-0.1923	0.0122	1.21E-55	-0.1401	0.0055	1.68E-142	25429064
<i>DCAF7</i>	Esophagus Muscularis	0.2486	0.0188	5.49E-40	0.2066	0.0082	4.79E-141	
<i>MAP3K3</i>	Heart Atrial Appendage	0.1986	0.0151	1.87E-39	0.1616	0.0064	5.27E-141	18391951, 21194676, 21998595, 22021425, 25429064, 28552196, 30595370, 31217584
<i>CD79B</i>	Esophagus Muscularis	0.1121	0.0083	1.05E-41	0.0911	0.0036	8.56E-141	20881960, 21194676, 25282103, 18391950, 18391951, 18391952, 20397748, 20881960, 23563607, 25282103, 28552196, 31217584
<i>HHIP</i>	Thyroid	-0.1672	0.0121	3.47E-43	-0.1292	0.0052	4.09E-138	
<i>CEP250</i>	Brain Cerebellar Hemisphere	-0.0597	0.0041	2.72E-47	-0.0457	0.0018	5.98E-136	25429064
<i>CEP250</i>	Brain Frontal Cortex BA9	-0.0773	0.0053	2.72E-47	-0.0592	0.0024	5.98E-136	25429064
<i>CEP250</i>	Brain Nucleus accumbens basal ganglia	-0.0712	0.0049	2.72E-47	-0.0546	0.0022	5.98E-136	25429064
<i>CEP250</i>	Brain Putamen basal ganglia	-0.0745	0.0052	2.72E-47	-0.0571	0.0023	5.98E-136	25429064
<i>RASA2</i>	Skin Not Sun Exposed Suprapubic	-0.2218	0.0168	6.23E-40	-0.1852	0.0075	7.92E-136	30595370
<i>PSMC5</i>	Testis	-0.1045	0.0077	2.43E-42	-0.0830	0.0034	3.13E-134	
<i>DDX42</i>	Cells EBV-transformed lymphocytes	-0.0840	0.0064	2.37E-39	-0.0716	0.0029	6.63E-134	
<i>ZBTB38</i>	Nerve Tibial	0.2753	0.0184	7.34E-51	0.1986	0.0081	1.49E-133	18193045, 18391950, 18391951, 18391952, 19343178, 19396169, 19893584, 20189936, 20881960, 21998595, 23563607, 25282103, 25429064, 28270201, 28552196, 30595370, 31217584, 31562340
<i>MAP3K3</i>	Cells Transformed fibroblasts	0.2976	0.0228	8.23E-39	0.2467	0.0100	2.20E-133	18391951, 21194676, 21998595, 22021425, 25429064, 28552196, 30595370, 31217584
<i>RPSAP52</i>	Pancreas	0.1058	0.0073	2.72E-47	0.0811	0.0033	1.66E-131	28552196
<i>LINC00657</i>	Testis	-0.2000	0.0144	6.12E-44	-0.1542	0.0063	1.84E-131	
<i>DDX42</i>	Brain Hippocampus	-0.0720	0.0057	4.17E-37	-0.0612	0.0025	6.10E-131	
<i>DDX42</i>	Brain Nucleus accumbens basal ganglia	-0.0635	0.0048	2.37E-39	-0.0540	0.0022	7.88E-131	
<i>RP11-446E9.1</i>	Artery Tibial	0.1595	0.0118	7.35E-42	0.1331	0.0055	8.21E-131	
<i>MAP3K3</i>	Skin Not Sun Exposed Suprapubic	0.1334	0.0098	2.43E-42	0.1059	0.0044	1.03E-130	18391951, 21194676, 21998595, 22021425, 25429064, 28552196, 30595370, 31217584
<i>LIMD2</i>	Nerve Tibial	0.2962	0.0227	8.23E-39	0.2455	0.0101	1.25E-130	
<i>MAP3K3</i>	Pancreas	0.1083	0.0083	8.23E-39	0.0898	0.0037	1.25E-130	18391951, 21194676, 21998595, 22021425, 25429064, 28552196, 30595370, 31217584
<i>MAP3K3</i>	Spleen	0.0862	0.0066	8.23E-39	0.0714	0.0029	1.25E-130	18391951, 21194676, 21998595, 22021425, 25429064, 28552196, 30595370, 31217584
<i>CENPW</i>	Brain Cortex	-0.0764	0.0059	1.22E-38	-0.0619	0.0025	1.97E-130	
<i>DDX42</i>	Artery Tibial	-0.2471	0.0190	8.23E-39	-0.2047	0.0084	2.09E-130	

<i>MAP3K3</i>	Skin Sun Exposed Lower leg	0.1608	0.0123	8.23E-39	0.1332	0.0055	2.09E-130	18391951, 21194676, 21998595, 22021425, 25429064, 28552196, 30595370, 31217584
<i>MAP3K3</i>	Breast Mammary Tissue	0.1449	0.0114	4.17E-37	0.1230	0.0051	2.98E-130	18391951, 21194676, 21998595, 22021425, 25429064, 28552196, 30595370, 31217584
<i>ANAPC10</i>	Pancreas	0.1113	0.0067	1.56E-61	0.0733	0.0030	9.15E-130	25282103, 25429064, 30595370, 31562340
<i>DDX42</i>	Brain Cortex	-0.0923	0.0071	8.23E-39	-0.0762	0.0031	1.87E-129	
<i>DDX42</i>	Brain Frontal Cortex BA9	-0.0986	0.0076	8.23E-39	-0.0813	0.0034	3.39E-129	
<i>MAP3K3</i>	Adipose Subcutaneous	0.2301	0.0165	3.65E-44	0.1766	0.0073	7.59E-129	18391951, 21194676, 21998595, 22021425, 25429064, 28552196, 30595370, 31217584
<i>ATAD5</i>	Artery Coronary	-0.0800	0.0059	1.61E-42	-0.0635	0.0026	8.65E-129	20881960, 23563607, 30166351, 30595370
<i>MAP3K3</i>	Lung	0.1597	0.0126	4.17E-37	0.1336	0.0056	2.22E-127	18391951, 21194676, 21998595, 22021425, 25429064, 28552196, 30595370, 31217584
<i>MAP3K3</i>	Whole Blood	0.5263	0.0413	4.17E-37	0.4400	0.0183	2.22E-127	18391951, 21194676, 21998595, 22021425, 25429064, 28552196, 30595370, 31217584
<i>CENPW</i>	Artery Coronary	-0.0784	0.0062	9.05E-37	-0.0642	0.0027	1.42E-126	
<i>TSEN15</i>	Thyroid	0.1805	0.0122	8.23E-50	0.1281	0.0054	1.49E-126	18391951, 20881960, 31217584
<i>ZBTB38</i>	Testis	0.1688	0.0131	4.32E-38	0.1328	0.0056	3.59E-126	18193045, 18391950, 18391951, 18391952, 19343178, 19396169, 19893584, 20189936, 20881960, 21998595, 23563607, 25282103, 25429064, 28270201, 28552196, 30595370, 31217584, 31562340
<i>TBX2</i>	Heart Left Ventricle	0.1948	0.0136	7.43E-47	0.1406	0.0059	6.26E-126	
<i>TSEN15</i>	Adrenal Gland	0.0848	0.0057	8.23E-50	0.0601	0.0025	6.65E-126	18391951, 20881960, 31217584
<i>C6orf106</i>	Adipose Subcutaneous	0.2810	0.0206	1.80E-42	0.2256	0.0095	2.91E-125	
<i>CENPW</i>	Heart Atrial Appendage	-0.0891	0.0066	3.15E-41	-0.0709	0.0030	3.22E-125	
<i>CENPW</i>	Adipose Subcutaneous	-0.1382	0.0106	1.22E-38	-0.1099	0.0046	3.81E-125	
<i>L3MBTL3</i>	Adipose Subcutaneous	0.0669	0.0053	4.17E-37	0.0554	0.0023	4.98E-124	20881960, 23563607, 25282103, 25429064, 28552196, 30595370, 31217584, 31562340
<i>L3MBTL3</i>	Adipose Visceral Omentum	0.0962	0.0076	4.17E-37	0.0797	0.0034	4.98E-124	20881960, 23563607, 25282103, 25429064, 28552196, 30595370, 31217584, 31562340
<i>L3MBTL3</i>	Breast Mammary Tissue	0.0573	0.0045	4.17E-37	0.0475	0.0020	4.98E-124	20881960, 23563607, 25282103, 25429064, 28552196, 30595370, 31217584, 31562340
<i>L3MBTL3</i>	Cells EBV-transformed lymphocytes	0.0709	0.0056	4.17E-37	0.0587	0.0025	4.98E-124	20881960, 23563607, 25282103, 25429064, 28552196, 30595370, 31217584, 31562340
<i>L3MBTL3</i>	Colon Transverse	0.0660	0.0052	4.17E-37	0.0547	0.0023	4.98E-124	20881960, 23563607, 25282103, 25429064, 28552196, 30595370, 31217584, 31562340
<i>L3MBTL3</i>	Esophagus Mucosa	0.0744	0.0058	4.17E-37	0.0616	0.0026	4.98E-124	20881960, 23563607, 25282103, 25429064, 28552196, 30595370, 31217584, 31562340
<i>L3MBTL3</i>	Heart Left Ventricle	0.1173	0.0092	4.17E-37	0.0972	0.0041	4.98E-124	20881960, 23563607, 25282103, 25429064, 28552196, 30595370, 31217584, 31562340
<i>L3MBTL3</i>	Lung	0.0760	0.0060	4.17E-37	0.0630	0.0027	4.98E-124	20881960, 23563607, 25282103, 25429064, 28552196, 30595370, 31217584, 31562340
<i>L3MBTL3</i>	Nerve Tibial	0.0669	0.0053	4.17E-37	0.0554	0.0023	4.98E-124	20881960, 23563607, 25282103, 25429064, 28552196, 30595370, 31217584, 31562340
<i>L3MBTL3</i>	Pancreas	0.0394	0.0031	4.17E-37	0.0327	0.0014	4.98E-124	20881960, 23563607, 25282103, 25429064, 28552196, 30595370, 31217584, 31562340
<i>L3MBTL3</i>	Pituitary	0.0477	0.0037	4.17E-37	0.0395	0.0017	4.98E-124	20881960, 23563607, 25282103, 25429064, 28552196, 30595370, 31217584, 31562340
<i>L3MBTL3</i>	Prostate	0.0438	0.0034	4.17E-37	0.0363	0.0015	4.98E-124	20881960, 23563607, 25282103, 25429064, 28552196, 30595370, 31217584, 31562340

<i>L3MBTL3</i>	Spleen	0.0369	0.0029	4.17E-37	0.0306	0.0013	4.98E-124	20881960, 23563607, 25282103, 25429064, 28552196, 30595370, 31217584, 31562340
<i>L3MBTL3</i>	Stomach	0.0487	0.0038	4.17E-37	0.0404	0.0017	4.98E-124	20881960, 23563607, 25282103, 25429064, 28552196, 30595370, 31217584, 31562340
<i>L3MBTL3</i>	Thyroid	0.0458	0.0036	4.17E-37	0.0380	0.0016	4.98E-124	20881960, 23563607, 25282103, 25429064, 28552196, 30595370, 31217584, 31562340
<i>L3MBTL3</i>	Whole Blood	0.0622	0.0049	4.17E-37	0.0515	0.0022	4.98E-124	20881960, 23563607, 25282103, 25429064, 28552196, 30595370, 31217584, 31562340
<i>SPAG4</i>	Nerve Tibial	-0.2453	0.0195	3.82E-36	-0.1826	0.0077	4.02E-123	
<i>DCAF16</i>	Esophagus Gastroesophageal Junction	0.1275	0.0092	3.65E-44	0.0959	0.0041	9.86E-123	
<i>PACSL1</i>	Esophagus Mucosa	0.1092	0.0080	1.80E-42	0.0853	0.0036	2.09E-121	
<i>DCAF16</i>	Cells Transformed fibroblasts	0.2254	0.0162	3.65E-44	0.1677	0.0072	8.35E-121	
<i>C6orf106</i>	Brain Caudate basal ganglia	0.1125	0.0082	1.80E-42	0.0875	0.0037	1.19E-120	
<i>DCAF16</i>	Adipose Visceral Omentum	0.1454	0.0107	2.43E-42	0.1098	0.0047	8.64E-120	
<i>DCAF16</i>	Artery Aorta	0.1922	0.0141	2.43E-42	0.1451	0.0062	8.64E-120	
<i>L3MBTL3</i>	Liver	0.0533	0.0042	3.03E-36	0.0425	0.0018	1.64E-118	20881960, 23563607, 25282103, 25429064, 28552196, 30595370, 31217584, 31562340
<i>L3MBTL3</i>	Skin Not Sun Exposed Suprapubic	0.0646	0.0051	3.03E-36	0.0515	0.0022	1.64E-118	20881960, 23563607, 25282103, 25429064, 28552196, 30595370, 31217584, 31562340
<i>L3MBTL3</i>	Skin Sun Exposed Lower leg	0.0646	0.0051	3.03E-36	0.0515	0.0022	1.64E-118	20881960, 23563607, 25282103, 25429064, 28552196, 30595370, 31217584, 31562340
<i>L3MBTL3</i>	Small Intestine Terminal Ileum	0.0567	0.0045	3.03E-36	0.0453	0.0020	1.64E-118	20881960, 23563607, 25282103, 25429064, 28552196, 30595370, 31217584, 31562340
<i>L3MBTL3</i>	Testis	0.0855	0.0068	3.03E-36	0.0682	0.0029	1.64E-118	20881960, 23563607, 25282103, 25429064, 28552196, 30595370, 31217584, 31562340
<i>DDX42</i>	Heart Left Ventricle	-0.1707	0.0122	3.65E-44	-0.1264	0.0055	3.38E-118	
<i>FER1L4</i>	Adrenal Gland	-0.0728	0.0051	1.97E-45	-0.0539	0.0023	1.19E-116	28552196, 30595370
<i>DSN1</i>	Artery Aorta	0.1656	0.0135	8.23E-35	0.1380	0.0060	2.28E-115	
<i>COLGALT2</i>	Cells Transformed fibroblasts	-0.1740	0.0114	6.31E-53	-0.1133	0.0050	1.05E-114	28552196, 30595370
<i>TSEN15</i>	Brain Cerebellar Hemisphere	0.1043	0.0068	6.31E-53	0.0679	0.0030	1.05E-114	18391951, 20881960, 31217584
<i>C6orf106</i>	Brain Anterior cingulate cortex BA24	0.1007	0.0075	4.96E-41	0.0756	0.0033	1.13E-113	
<i>EPB41L1</i>	Artery Tibial	0.1829	0.0136	4.55E-41	0.1374	0.0061	2.05E-113	23563607, 30595370
<i>HIST1H4C</i>	Lung	-0.1214	0.0135	2.26E-19	-0.0818	0.0036	1.02E-112	
<i>CD79B</i>	Adipose Visceral Omentum	0.1236	0.0094	2.37E-39	0.0910	0.0040	1.22E-112	20881960, 21194676, 25282103
<i>CD79B</i>	Adipose Subcutaneous	0.0831	0.0069	3.55E-33	0.0611	0.0027	2.37E-112	20881960, 21194676, 25282103
<i>CD79B</i>	Esophagus Gastroesophageal Junction	0.1227	0.0102	3.55E-33	0.0902	0.0040	2.37E-112	20881960, 21194676, 25282103
<i>CD79B</i>	Nerve Tibial	0.1242	0.0103	3.55E-33	0.0913	0.0041	2.37E-112	20881960, 21194676, 25282103, 18391951, 21194676, 21998595,
<i>MAP3K3</i>	Muscle Skeletal	0.2217	0.0170	8.23E-39	0.1727	0.0077	2.98E-112	22021425, 25429064, 28552196, 30595370, 31217584
<i>ACSS2</i>	Artery Tibial	0.2006	0.0168	7.73E-33	0.1707	0.0076	3.41E-112	
<i>UQCCL1</i>	Colon Transverse	-0.1303	0.0109	7.73E-33	-0.1109	0.0049	1.57E-111	18193045, 18391950, 18391951, 18391952, 19343178, 25429064, 28552196, 30595370, 31217584
<i>JAZF1-AS1</i>	Colon Sigmoid	-0.0939	0.0074	9.05E-37	-0.0727	0.0033	3.30E-109	
<i>CD79B</i>	Heart Atrial Appendage	-0.0892	0.0077	3.20E-31	-0.0626	0.0028	6.09E-108	20881960, 21194676, 25282103
<i>HIST1H4H</i>	Muscle Skeletal	0.1832	0.0139	6.23E-40	0.1345	0.0061	4.06E-107	
<i>SCAND1</i>	Heart Left Ventricle	0.1724	0.0146	4.15E-32	0.1439	0.0066	3.95E-104	
<i>RP11-182J1.5</i>	Testis	0.0608	0.0046	2.37E-39	0.0452	0.0021	2.56E-102	
<i>CEP250</i>	Brain Caudate basal ganglia	-0.0822	0.0057	2.72E-47	-0.0568	0.0026	5.25E-102	25429064
<i>DCAF16</i>	Breast Mammary Tissue	0.1800	0.0131	5.09E-43	0.1272	0.0059	8.20E-102	
<i>OTUD4</i>	Adipose Subcutaneous	-0.2520	0.0194	1.22E-38	-0.1817	0.0085	2.04E-101	28552196, 30595370

<i>HHIP</i>	Nerve Tibial	-0.1478	0.0111	1.48E-40	-0.1032	0.0049	6.93E-100	18391950, 18391951, 18391952, 20397748, 20881960, 23563607, 25282103, 28552196, 31217584
<i>DCAF16</i>	Adipose Subcutaneous	0.1214	0.0086	6.46E-45	0.0826	0.0039	7.26E-100	
<i>DCAF16</i>	Lung	0.1933	0.0137	6.46E-45	0.1316	0.0062	7.26E-100	
<i>DCAF16</i>	Nerve Tibial	0.1389	0.0099	6.46E-45	0.0946	0.0045	7.26E-100	
<i>DCAF16</i>	Pituitary	0.1143	0.0081	6.46E-45	0.0778	0.0037	7.26E-100	
<i>DCAF16</i>	Artery Tibial	0.1541	0.0110	6.46E-45	0.1046	0.0050	5.68E-99	
<i>DCAF16</i>	Esophagus Mucosa	0.1654	0.0118	6.46E-45	0.1123	0.0053	5.68E-99	
<i>DCAF16</i>	Esophagus Muscularis	0.1288	0.0092	6.46E-45	0.0874	0.0041	5.68E-99	
<i>DCAF16</i>	Stomach	0.1276	0.0091	6.46E-45	0.0866	0.0041	5.68E-99	
<i>DCAF16</i>	Testis	0.1328	0.0094	6.46E-45	0.0902	0.0043	5.68E-99	
<i>HIST1H2BG</i>	Stomach	0.1161	0.0091	2.79E-37	0.0860	0.0041	5.88E-99	
<i>DCAF16</i>	Skin Sun Exposed Lower leg	0.1388	0.0101	5.09E-43	0.0960	0.0046	1.66E-98	
<i>CTD-2349P21.9</i>	Brain Cerebellum	-0.0565	0.0061	2.24E-20	-0.0550	0.0026	5.28E-98	
<i>CTD-2349P21.9</i>	Brain Anterior cingulate cortex BA24	-0.0507	0.0053	2.10E-21	-0.0483	0.0023	7.91E-98	
<i>ACSS2</i>	Muscle Skeletal	0.1985	0.0156	2.79E-37	0.1487	0.0071	1.15E-96	
<i>LINC00577</i>	Brain Putamen basal ganglia	-0.0470	0.0044	1.46E-26	-0.0398	0.0019	2.69E-96	
<i>EPB41L1</i>	Artery Aorta	0.1875	0.0153	2.37E-34	0.1425	0.0069	1.22E-95	23563607, 30595370
<i>EPB41L1</i>	Esophagus Mucosa	-0.0757	0.0062	2.37E-34	-0.0575	0.0028	1.22E-95	23563607, 30595370
<i>L3MBTL3</i>	Artery Aorta	0.1082	0.0096	1.46E-29	0.0883	0.0043	2.35E-95	20881960, 23563607, 25282103, 25429064, 28552196, 30595370, 31217584, 31562340
<i>HIST1H2BE</i>	Cells EBV-transformed lymphocytes	0.0763	0.0051	7.34E-51	0.0456	0.0022	4.47E-95	
<i>FER1L4</i>	Heart Left Ventricle	-0.0814	0.0070	4.58E-31	-0.0642	0.0031	1.67E-94	28552196, 30595370
<i>FER1L4</i>	Ovary	-0.0775	0.0067	4.58E-31	-0.0611	0.0030	1.67E-94	28552196, 30595370
<i>NFS1</i>	Heart Left Ventricle	0.1738	0.0150	4.58E-31	0.1370	0.0066	1.67E-94	
<i>NPR3</i>	Adrenal Gland	-0.0769	0.0066	1.89E-31	-0.0599	0.0029	1.14E-93	20881960, 21194676, 23563607, 25282103, 28270201, 30595370, 31562340
<i>NPR3</i>	Nerve Tibial	-0.0631	0.0054	1.89E-31	-0.0492	0.0024	1.14E-93	20881960, 21194676, 23563607, 25282103, 28270201, 30595370, 31562340
<i>NPR3</i>	Lung	-0.1086	0.0093	1.89E-31	-0.0846	0.0041	1.24E-93	20881960, 21194676, 23563607, 25282103, 28270201, 30595370, 31562340
<i>HHIP-AS1</i>	Skin Sun Exposed Lower leg	0.1634	0.0116	2.22E-45	0.1075	0.0052	1.43E-93	18391951, 20397748, 20881960, 23563607, 25282103, 25429064, 28552196, 31217584, 31562340
<i>GNA12</i>	Skin Sun Exposed Lower leg	-0.1539	0.0121	9.05E-37	-0.1097	0.0053	1.80E-93	19343178, 20189936, 20881960, 25282103, 25429064, 28552196, 30595370, 31217584
<i>RTN3P1</i>	Ovary	-0.0637	0.0047	8.10E-42	-0.0411	0.0020	6.90E-93	
<i>RP11-967K21.1</i>	Cells Transformed fibroblasts	0.1022	0.0093	7.63E-28	0.0834	0.0041	7.77E-93	
<i>GSDMC</i>	Heart Left Ventricle	-0.1153	0.0105	3.82E-28	-0.0928	0.0046	2.45E-92	
<i>RP11-967K21.1</i>	Heart Atrial Appendage	0.0953	0.0080	7.73E-33	0.0751	0.0037	5.20E-92	
<i>HOXA5</i>	Whole Blood	-0.1107	0.0094	9.59E-32	-0.0860	0.0042	3.83E-91	
<i>JAZF1</i>	Adipose Subcutaneous	-0.1661	0.0142	9.59E-32	-0.1291	0.0064	3.83E-91	18952825, 19343178, 20881960, 21194676, 23563607, 25282103, 28552196, 30595370
<i>JAZF1</i>	Artery Tibial	-0.1810	0.0154	9.59E-32	-0.1406	0.0069	3.83E-91	18952825, 19343178, 20881960, 21194676, 23563607, 25282103, 28552196, 30595370
<i>GNA12</i>	Esophagus Gastroesophageal Junction	-0.0796	0.0061	3.15E-39	-0.0558	0.0028	4.41E-91	19343178, 20189936, 20881960, 25282103, 25429064, 28552196, 30595370, 31217584
<i>MYL9</i>	Brain Hippocampus	0.0748	0.0070	8.72E-27	0.0634	0.0031	8.84E-91	
<i>C6orf106</i>	Skin Sun Exposed Lower leg	0.2016	0.0148	1.80E-42	0.1473	0.0073	1.46E-90	
<i>C6orf106</i>	Testis	0.1052	0.0077	1.80E-42	0.0768	0.0038	1.46E-90	
<i>C6orf106</i>	Thyroid	0.1712	0.0125	1.80E-42	0.1251	0.0062	1.46E-90	
<i>C6orf106</i>	Whole Blood	0.2527	0.0185	1.80E-42	0.1846	0.0091	1.46E-90	
<i>GNA12</i>	Lung	-0.1308	0.0102	2.79E-37	-0.0941	0.0047	1.71E-90	19343178, 20189936, 20881960, 25282103, 25429064, 28552196, 30595370, 31217584
<i>C6orf106</i>	Nerve Tibial	0.1226	0.0104	5.08E-32	0.0948	0.0047	2.13E-90	
<i>FAM133B</i>	Brain Nucleus accumbens basal ganglia	-0.1389	0.0080	1.43E-67	-0.0692	0.0034	3.49E-90	
<i>WASF5P</i>	Brain Cerebellum	0.0485	0.0040	1.74E-33	0.0336	0.0017	3.62E-90	

<i>WASF5P</i>	Breast Mammary Tissue	0.0793	0.0066	1.74E-33	0.0549	0.0027	6.75E-90	
<i>MYH7B</i>	Colon Transverse	0.1022	0.0087	9.59E-32	0.0796	0.0040	7.02E-90	21194676
<i>RP4-614O4.12</i>	Brain Cerebellum	-0.0690	0.0059	9.59E-32	-0.0538	0.0027	7.02E-90	
<i>CBFA2T2</i>	Testis	0.1186	0.0092	7.84E-38	0.0789	0.0039	1.09E-89	
<i>E2F1</i>	Esophagus Mucosa	-0.2265	0.0176	7.84E-38	-0.1506	0.0075	1.09E-89	31562340
<i>CRLF3</i>	Esophagus Mucosa	-0.1317	0.0142	2.24E-20	-0.1216	0.0061	1.43E-89	28552196
<i>TEFM</i>	Skin Not Sun Exposed Suprapubic	-0.1388	0.0150	2.24E-20	-0.1281	0.0064	1.43E-89	28552196
<i>DNM1P51</i>	Pancreas	-0.0699	0.0057	5.99E-35	-0.0498	0.0025	3.86E-89	
<i>MAP1LC3A</i>	Artery Tibial	0.0952	0.0081	9.59E-32	0.0737	0.0037	1.01E-88	
<i>SEC11A</i>	Lung	0.2201	0.0193	3.01E-30	0.1710	0.0086	1.62E-88	
<i>JAZF1</i>	Muscle Skeletal	-0.1251	0.0107	9.59E-32	-0.0957	0.0048	1.73E-88	18952825, 19343178, 20881960, 21194676, 23563607, 25282103, 28552196, 30595370
<i>JAZF1</i>	Pancreas	-0.0649	0.0055	9.59E-32	-0.0496	0.0025	1.73E-88	18952825, 19343178, 20881960, 21194676, 23563607, 25282103, 28552196, 30595370
<i>MAP1LC3A</i>	Small Intestine Terminal Ileum	0.0826	0.0070	9.59E-32	0.0638	0.0032	2.44E-88	
<i>NCOA6</i>	Cells EBV-transformed lymphocytes	-0.1243	0.0106	9.59E-32	-0.0961	0.0048	2.44E-88	28552196, 30595370
<i>MMP24-AS1</i>	Artery Tibial	-0.1273	0.0112	4.75E-30	-0.0995	0.0050	1.54E-87	
<i>MMP24-AS1</i>	Esophagus Mucosa	-0.1018	0.0089	4.75E-30	-0.0796	0.0040	1.54E-87	
<i>MMP24-AS1</i>	Heart Atrial Appendage	-0.0994	0.0087	4.75E-30	-0.0777	0.0039	1.54E-87	
<i>MMP24-AS1</i>	Lung	-0.1248	0.0110	4.75E-30	-0.0976	0.0049	1.54E-87	
<i>GNA12</i>	Stomach	-0.1631	0.0132	5.99E-35	-0.1153	0.0058	1.97E-87	19343178, 20189936, 20881960, 25282103, 25429064, 28552196, 30595370, 31217584
<i>CDC14B</i>	Brain Caudate basal ganglia	-0.0808	0.0071	7.30E-30	-0.0638	0.0032	2.24E-87	31562340
<i>MMP24-AS1</i>	Whole Blood	-0.1407	0.0118	6.94E-33	-0.1046	0.0053	4.30E-87	
<i>HABP4</i>	Testis	0.0753	0.0068	2.13E-28	0.0591	0.0030	1.69E-86	30595370
<i>MMP24-AS1</i>	Artery Aorta	-0.0910	0.0076	6.94E-33	-0.0674	0.0034	2.82E-86	
<i>EIF6</i>	Heart Left Ventricle	0.1151	0.0096	6.94E-33	0.0853	0.0043	2.92E-86	
<i>EIF6</i>	Esophagus Mucosa	0.2264	0.0190	1.30E-32	0.1633	0.0083	2.96E-86	
<i>EIF6</i>	Skin Not Sun Exposed Suprapubic	0.1394	0.0117	1.30E-32	0.1005	0.0051	2.96E-86	
<i>EIF6</i>	Skin Sun Exposed Lower leg	0.1162	0.0098	1.30E-32	0.0838	0.0043	2.96E-86	
<i>CCDC91</i>	Artery Coronary	-0.0994	0.0088	2.32E-29	-0.0768	0.0039	4.54E-86	20881960, 23563607, 25282103, 30595370, 31562340
<i>P4HA2</i>	Artery Tibial	0.1132	0.0094	3.55E-33	0.0809	0.0041	4.70E-86	28552196, 30595370
<i>LYN</i>	Cells EBV-transformed lymphocytes	-0.1184	0.0106	7.76E-29	-0.0933	0.0047	4.97E-86	
<i>AMZ1</i>	Brain Cerebellum	0.1069	0.0086	3.31E-35	0.0597	0.0030	6.18E-86	18391951, 20189936, 20881960, 23563607, 25282103, 25429064, 28552196, 30595370, 31217584, 31562340
<i>P4HA2</i>	Esophagus Gastroesophageal Junction	0.0918	0.0077	3.55E-33	0.0658	0.0033	6.87E-86	28552196, 30595370
<i>CYP21A2</i>	Esophagus Muscularis	-0.0680	0.0062	7.63E-28	-0.0527	0.0027	7.74E-86	28552196
<i>AC034220.3</i>	Esophagus Gastroesophageal Junction	0.0795	0.0066	3.55E-33	0.0569	0.0029	7.95E-86	
<i>GNA12</i>	Adipose Visceral Omentum	-0.1087	0.0083	3.15E-39	-0.0741	0.0038	9.38E-86	19343178, 20189936, 20881960, 25282103, 25429064, 28552196, 30595370, 31217584
<i>HSD17B3</i>	Skin Sun Exposed Lower leg	0.1354	0.0120	2.32E-29	0.1034	0.0053	1.41E-84	
<i>P4HA2</i>	Esophagus Mucosa	0.0936	0.0076	5.99E-35	0.0646	0.0033	2.28E-84	28552196, 30595370
<i>P4HA2</i>	Testis	0.1050	0.0085	5.99E-35	0.0725	0.0037	2.28E-84	28552196, 30595370
<i>PDLIM4</i>	Skin Sun Exposed Lower leg	-0.1138	0.0092	5.99E-35	-0.0785	0.0040	2.28E-84	28552196
<i>MMP24-AS1</i>	Testis	-0.0544	0.0046	6.94E-33	-0.0400	0.0021	2.41E-84	
<i>FAM83C-AS1</i>	Skin Sun Exposed Lower leg	-0.1360	0.0114	6.94E-33	-0.0999	0.0051	2.64E-84	
<i>MMP24-AS1</i>	Brain Cerebellar Hemisphere	-0.0657	0.0054	1.08E-34	-0.0483	0.0025	2.68E-84	
<i>MMP24-AS1</i>	Brain Cerebellum	-0.0627	0.0051	1.08E-34	-0.0461	0.0024	2.68E-84	
<i>MMP24-AS1</i>	Brain Hippocampus	-0.0791	0.0064	1.08E-34	-0.0582	0.0030	2.68E-84	
<i>E2F1</i>	Brain Hippocampus	0.0602	0.0052	1.11E-30	0.0444	0.0023	8.10E-84	31562340
<i>SCMH1</i>	Brain Cortex	0.0896	0.0098	6.08E-20	-0.0849	0.0044	1.15E-83	18391952, 23563607, 25282103, 30595370
<i>HLA-C</i>	Artery Tibial	0.0317	0.0029	7.63E-28	0.0240	0.0012	1.28E-83	
<i>HLA-C</i>	Lung	0.0298	0.0027	7.63E-28	0.0225	0.0012	1.28E-83	

<i>GNAI2</i>	Adipose Subcutaneous	-0.0932	0.0085	3.82E-28	-0.0724	0.0037	2.67E-83	19343178, 20189936, 20881960, 25282103, 25429064, 28552196, 30595370, 31217584
<i>ATP13A2</i>	Whole Blood	0.2890	0.0248	1.89E-31	0.2091	0.0108	3.37E-83	20189936, 25429064, 31217584, 31562340
<i>MFAP2</i>	Esophagus Muscularis	0.0869	0.0075	1.89E-31	0.0629	0.0033	3.37E-83	20881960, 21194676, 23563607, 25282103, 25429064, 30595370, 31217584
<i>MSTIP2</i>	Skin Sun Exposed Lower leg	0.1172	0.0100	1.89E-31	0.0848	0.0044	3.37E-83	
<i>RP11-108M9.5</i>	Nerve Tibial	-0.0675	0.0058	1.89E-31	-0.0488	0.0025	3.37E-83	
<i>AAEDI</i>	Cells EBV-transformed lymphocytes	0.0708	0.0064	3.82E-28	0.0563	0.0029	3.49E-83	
<i>ADCY3</i>	Skin Sun Exposed Lower leg	0.2167	0.0210	6.83E-25	0.1592	0.0083	9.49E-83	28552196, 31562340
<i>SERPINHI</i>	Skin Sun Exposed Lower leg	0.2263	0.0226	1.52E-23	0.1910	0.0099	1.37E-82	20881960, 22021425, 25282103, 25429064, 28270201, 30595370, 31217584, 31562340
<i>CCDC91</i>	Thyroid	-0.0791	0.0068	3.54E-31	-0.0595	0.0031	2.03E-82	20881960, 23563607, 25282103, 30595370, 31562340
<i>NECAB3</i>	Nerve Tibial	-0.1944	0.0194	1.52E-23	-0.1471	0.0077	3.19E-82	
<i>DNAJC27-AS1</i>	Nerve Tibial	0.1624	0.0139	9.59E-32	0.1190	0.0062	4.14E-82	28552196, 30595370
<i>CENPO</i>	Breast Mammary Tissue	-0.1464	0.0122	3.55E-33	-0.1010	0.0053	8.27E-82	23563607, 25282103, 28552196
<i>CENPO</i>	Nerve Tibial	0.1551	0.0132	9.59E-32	0.1134	0.0059	1.25E-81	23563607, 25282103, 28552196
<i>MSTIP2</i>	Artery Tibial	0.1112	0.0095	1.89E-31	0.0790	0.0041	1.55E-81	
<i>SDHB</i>	Nerve Tibial	0.1726	0.0148	1.89E-31	0.1226	0.0064	1.55E-81	
<i>CDC14B</i>	Thyroid	-0.1088	0.0094	8.44E-31	-0.0808	0.0042	1.99E-81	31562340
<i>SERPINHI</i>	Adipose Subcutaneous	0.2156	0.0221	1.40E-22	0.1763	0.0092	3.35E-81	20881960, 22021425, 25282103, 25429064, 28270201, 30595370, 31217584, 31562340
<i>LINC00657</i>	Muscle Skeletal	-0.1916	0.0172	1.11E-28	-0.1415	0.0074	6.52E-81	
<i>FER1L4</i>	Whole Blood	0.1317	0.0142	1.61E-20	0.1216	0.0064	7.72E-81	28552196, 30595370
<i>ZNF367</i>	Adipose Subcutaneous	0.1429	0.0130	3.82E-28	0.1067	0.0056	9.56E-81	23563607, 31217584
<i>MAP1LC3A</i>	Esophagus Mucosa	0.1868	0.0159	5.08E-32	0.1290	0.0068	2.41E-80	
<i>HIST1H4H</i>	Liver	0.0708	0.0054	1.22E-38	0.0445	0.0024	5.71E-80	
<i>SLFNLI</i>	Testis	0.0852	0.0096	6.17E-19	0.0799	0.0042	6.09E-80	
<i>HIST1H2BD</i>	Muscle Skeletal	0.0974	0.0083	5.93E-32	0.0721	0.0038	1.03E-79	
<i>MAP1LC3A</i>	Adipose Subcutaneous	0.0651	0.0065	1.52E-23	0.0539	0.0029	1.09E-79	
<i>ADCY3</i>	Adipose Visceral Omentum	-0.1312	0.0116	8.97E-30	-0.0946	0.0050	1.09E-79	28552196, 31562340
<i>SLC22A5</i>	Cells EBV-transformed lymphocytes	-0.0563	0.0047	1.54E-33	-0.0397	0.0021	1.10E-79	21194676
<i>SLC22A5</i>	Lung	-0.0793	0.0066	1.54E-33	-0.0558	0.0030	2.33E-79	21194676
<i>GSDMC</i>	Esophagus Mucosa	-0.0324	0.0032	1.52E-23	-0.0277	0.0015	2.54E-79	
<i>MAP1LC3A</i>	Breast Mammary Tissue	0.0785	0.0076	4.42E-25	0.0648	0.0034	3.27E-79	
<i>MAP1LC3A</i>	Brain Cerebellum	0.0497	0.0048	4.42E-25	0.0409	0.0022	3.38E-79	
<i>DNAJC27-AS1</i>	Colon Sigmoid	0.0941	0.0081	1.89E-31	0.0656	0.0035	6.85E-79	28552196, 30595370
<i>FRS2</i>	Thyroid	0.0960	0.0086	5.32E-29	0.0651	0.0035	9.48E-79	30595370
<i>DNAJC27-AS1</i>	Brain Putamen basal ganglia	0.0727	0.0066	3.82E-28	0.0537	0.0029	1.45E-78	28552196, 30595370
<i>DNAJC27-AS1</i>	Esophagus Muscularis	0.0955	0.0087	3.82E-28	0.0706	0.0038	1.45E-78	28552196, 30595370
<i>SLC22A4</i>	Colon Transverse	-0.1383	0.0115	1.54E-33	-0.0967	0.0052	1.59E-78	
<i>SLC22A4</i>	Skin Sun Exposed Lower leg	-0.1676	0.0139	1.54E-33	-0.1172	0.0062	1.59E-78	
<i>MSTIL</i>	Testis	-0.0488	0.0052	4.16E-21	-0.0375	0.0020	2.08E-78	
<i>MAP1LC3A</i>	Thyroid	0.0609	0.0059	4.42E-25	0.0499	0.0027	3.64E-78	
<i>STRADA</i>	Adipose Visceral Omentum	0.1831	0.0146	2.70E-36	0.1215	0.0065	3.66E-78	21998595, 22021425, 25429064, 28552196, 31217584
<i>PSMC5</i>	Esophagus Muscularis	-0.1632	0.0137	7.73E-33	-0.1150	0.0062	5.41E-78	
<i>MAP1LC3A</i>	Testis	0.0466	0.0045	4.42E-25	0.0382	0.0020	5.48E-78	
<i>PRRC2A</i>	Whole Blood	-0.2156	0.0190	8.97E-30	-0.1589	0.0085	6.00E-78	28552196
<i>MAP1LC3A</i>	Colon Transverse	0.0903	0.0090	1.52E-23	0.0764	0.0041	2.32E-77	
<i>MAP1LC3A</i>	Lung	0.1338	0.0134	1.52E-23	0.1132	0.0061	2.32E-77	
<i>GSDMC</i>	Skin Not Sun Exposed Suprapubic	-0.0869	0.0087	1.52E-23	-0.0732	0.0039	3.25E-77	
<i>PRRC2A</i>	Lung	-0.1870	0.0165	8.97E-30	-0.1370	0.0074	5.28E-77	28552196
<i>FGFR4</i>	Esophagus Mucosa	-0.0463	0.0050	3.96E-20	-0.0401	0.0022	6.77E-77	20881960, 25282103, 28552196, 31562340
<i>FGFR4</i>	Skin Sun Exposed Lower leg	-0.0575	0.0063	3.96E-20	-0.0498	0.0027	6.77E-77	20881960, 25282103, 28552196, 31562340
<i>SMARCD2</i>	Esophagus Mucosa	0.1946	0.0163	7.73E-33	0.1358	0.0073	8.41E-77	
<i>P4HA2</i>	Artery Aorta	0.0859	0.0076	8.97E-30	0.0611	0.0033	1.17E-76	28552196, 30595370
<i>PRKG2</i>	Nerve Tibial	0.0714	0.0067	1.46E-26	0.0551	0.0030	2.49E-76	21998595, 31562340
<i>STRADA</i>	Adipose Subcutaneous	0.1636	0.0138	1.60E-32	0.1116	0.0060	3.50E-76	21998595, 22021425, 25429064, 28552196, 31217584
<i>STRADA</i>	Esophagus Muscularis	0.1641	0.0138	1.60E-32	0.1119	0.0061	3.50E-76	21998595, 22021425, 25429064, 28552196, 31217584

<i>STRADA</i>	Adrenal Gland	0.0888	0.0074	7.73E-33	0.0617	0.0033	4.25E-76	21998595, 22021425, 25429064, 28552196, 31217584
<i>STRADA</i>	Brain Cerebellum	0.1371	0.0112	1.52E-34	0.0926	0.0050	4.80E-76	21998595, 22021425, 25429064, 28552196, 31217584
<i>BAG6</i>	Colon Sigmoid	-0.0813	0.0072	8.97E-30	-0.0591	0.0032	6.38E-76	
<i>PPP1R10</i>	Esophagus Mucosa	-0.1310	0.0116	8.97E-30	-0.0953	0.0052	6.38E-76	
<i>STRADA</i>	Esophagus Gastroesophageal Junction	0.1529	0.0125	1.52E-34	0.1034	0.0056	8.32E-76	21998595, 22021425, 25429064, 28552196, 31217584
<i>CBFA2T2</i>	Brain Cerebellar Hemisphere	0.0817	0.0077	2.28E-26	0.0624	0.0034	1.74E-75	
<i>RP4-61404.12</i>	Adrenal Gland	-0.0821	0.0064	2.79E-37	-0.0542	0.0029	2.60E-75	
<i>DYM</i>	Esophagus Mucosa	0.1497	0.0115	1.22E-38	0.0936	0.0051	4.51E-75	20881960, 21998595, 22021425, 23563607, 25429064, 28552196, 30595370, 31217584, 31562340
<i>RP4-61404.12</i>	Testis	-0.0923	0.0072	2.79E-37	-0.0606	0.0033	5.76E-75	
<i>ACTL10</i>	Pancreas	-0.0929	0.0083	2.32E-29	-0.0661	0.0036	1.19E-74	
<i>EFCAB8</i>	Colon Transverse	0.0771	0.0068	2.32E-29	0.0548	0.0030	1.19E-74	
<i>RP4-61404.12</i>	Skin Sun Exposed Lower leg	-0.0809	0.0063	2.79E-37	-0.0530	0.0029	1.37E-74	
<i>C6orf1</i>	Thyroid	0.1652	0.0169	1.17E-22	0.1235	0.0068	1.70E-74	
<i>RP4-61404.12</i>	Thyroid	-0.1287	0.0101	2.79E-37	-0.0841	0.0046	2.74E-74	
<i>XXbac-BPG248L24.10</i>	Breast Mammary Tissue	0.0671	0.0063	1.84E-26	0.0488	0.0027	3.27E-74	
<i>RP4-61404.12</i>	Heart Atrial Appendage	-0.1008	0.0081	2.20E-35	-0.0673	0.0037	5.02E-74	
<i>RP4-61404.12</i>	Colon Transverse	-0.0892	0.0072	2.20E-35	-0.0596	0.0033	5.04E-74	
<i>CTC1</i>	Stomach	0.0881	0.0098	2.26E-19	0.0809	0.0044	5.20E-74	
<i>HLA-C</i>	Brain Cerebellar Hemisphere	0.0314	0.0029	7.63E-28	0.0221	0.0012	6.45E-74	
<i>DCAF16</i>	Skin Not Sun Exposed Suprapubic	0.1016	0.0096	4.79E-26	0.0794	0.0044	8.91E-74	
<i>HLA-C</i>	Brain Anterior cingulate cortex BA24	0.0364	0.0032	2.32E-29	0.0248	0.0014	1.27E-73	
<i>HLA-C</i>	Brain Frontal Cortex BA9	0.0397	0.0036	1.04E-27	0.0271	0.0015	1.27E-73	
<i>HLA-C</i>	Brain Nucleus accumbens basal ganglia	0.0337	0.0031	1.04E-27	0.0230	0.0013	1.27E-73	
<i>HLA-C</i>	Ovary	0.0272	0.0025	1.04E-27	0.0186	0.0010	1.27E-73	
<i>HLA-C</i>	Pituitary	0.0309	0.0028	1.04E-27	0.0211	0.0012	1.27E-73	
<i>HLA-C</i>	Prostate	0.0286	0.0025	2.32E-29	0.0196	0.0011	1.27E-73	
<i>HLA-C</i>	Brain Cerebellum	0.0306	0.0028	7.63E-28	0.0215	0.0012	1.33E-73	
<i>HLA-C</i>	Brain Putamen basal ganglia	0.0339	0.0031	7.63E-28	0.0238	0.0013	1.33E-73	
<i>ADCY3</i>	Adipose Subcutaneous	-0.1316	0.0120	3.82E-28	-0.0943	0.0052	1.52E-73	28552196, 31562340
<i>HLA-C</i>	Adipose Subcutaneous	0.0310	0.0028	7.63E-28	0.0217	0.0012	1.98E-73	
<i>HLA-C</i>	Artery Aorta	0.0269	0.0025	7.63E-28	0.0189	0.0010	1.98E-73	
<i>HLA-C</i>	Artery Coronary	0.0266	0.0024	7.63E-28	0.0186	0.0010	1.98E-73	
<i>HLA-C</i>	Brain Hippocampus	0.0333	0.0030	7.63E-28	0.0234	0.0013	1.98E-73	
<i>HLA-C</i>	Cells EBV-transformed lymphocytes	0.0279	0.0025	7.63E-28	0.0195	0.0011	1.98E-73	
<i>HLA-C</i>	Colon Sigmoid	0.0295	0.0027	7.63E-28	0.0207	0.0011	1.98E-73	
<i>HLA-C</i>	Colon Transverse	0.0322	0.0029	7.63E-28	0.0226	0.0012	1.98E-73	
<i>HLA-C</i>	Esophagus Gastroesophageal Junction	0.0274	0.0025	7.63E-28	0.0192	0.0011	1.98E-73	
<i>HLA-C</i>	Esophagus Mucosa	0.0349	0.0032	7.63E-28	0.0245	0.0014	1.98E-73	
<i>HLA-C</i>	Esophagus Muscularis	0.0276	0.0025	7.63E-28	0.0194	0.0011	1.98E-73	
<i>HLA-C</i>	Heart Atrial Appendage	0.0273	0.0025	7.63E-28	0.0191	0.0011	1.98E-73	
<i>HLA-C</i>	Nerve Tibial	0.0283	0.0026	7.63E-28	0.0198	0.0011	1.98E-73	
<i>HLA-C</i>	Stomach	0.0346	0.0032	7.63E-28	0.0243	0.0013	1.98E-73	
<i>HLA-C</i>	Thyroid	0.0283	0.0026	7.63E-28	0.0199	0.0011	1.98E-73	
<i>HLA-C</i>	Whole Blood	0.0362	0.0033	7.63E-28	0.0254	0.0014	1.98E-73	
<i>MFAP2</i>	Muscle Skeletal	0.1082	0.0108	1.52E-23	0.0882	0.0049	2.48E-73	20881960, 21194676, 23563607, 25282103, 25429064, 30595370, 31217584
<i>CPNE1</i>	Brain Hypothalamus	-0.0495	0.0046	3.44E-27	-0.0363	0.0020	3.38E-73	
<i>CEP250</i>	Whole Blood	-0.2925	0.0261	4.08E-29	-0.2031	0.0113	1.33E-72	25429064
<i>CD79B</i>	Breast Mammary Tissue	0.0986	0.0085	3.54E-31	0.0685	0.0038	2.24E-72	20881960, 21194676, 25282103
<i>MAP1LC3A</i>	Nerve Tibial	0.0701	0.0070	1.52E-23	0.0570	0.0032	2.54E-72	
<i>ITCH</i>	Esophagus Muscularis	-0.1817	0.0182	1.52E-23	-0.1475	0.0082	4.37E-72	30595370
<i>ADCY3</i>	Colon Transverse	-0.1123	0.0102	2.61E-28	-0.0826	0.0046	4.71E-72	28552196, 31562340
<i>CHRNBI</i>	Skin Not Sun Exposed Suprapubic	0.0589	0.0063	1.03E-20	0.0515	0.0029	6.36E-72	
<i>ITCH</i>	Skin Sun Exposed Lower leg	-0.1450	0.0145	1.52E-23	-0.1175	0.0066	7.69E-72	30595370

<i>MAP1LC3A</i>	Artery Aorta	0.0629	0.0063	1.52E-23	0.0510	0.0028	7.69E-72	
<i>CPNE1</i>	Thyroid	-0.0419	0.0038	3.82E-28	-0.0295	0.0016	7.86E-72	
<i>MAP1LC3A</i>	Artery Coronary	0.0555	0.0055	1.52E-23	0.0450	0.0025	8.26E-72	
<i>MAP1LC3A</i>	Esophagus Gastroesophageal Junction	0.0724	0.0072	1.52E-23	0.0587	0.0033	8.64E-72	
<i>FDX1P1</i>	Lung	0.1212	0.0121	1.52E-23	0.0982	0.0055	8.96E-72	
<i>UQCC1</i>	Liver	-0.0781	0.0078	1.52E-23	-0.0634	0.0035	8.96E-72	18193045, 18391950, 18391951, 18391952, 19343178, 25429064, 28552196, 30595370, 31217584
<i>MAP1LC3A</i>	Brain Cerebellar Hemisphere	0.0486	0.0049	1.52E-23	0.0393	0.0022	1.30E-71	
<i>RP11-967K21.1</i>	Liver	0.0575	0.0053	1.04E-27	0.0399	0.0022	1.51E-71	
<i>DLEU2</i>	Nerve Tibial	0.1037	0.0098	3.38E-26	0.0783	0.0044	1.86E-71	23563607, 28552196, 30595370
<i>DNAJC27-AS1</i>	Pituitary	0.0697	0.0063	2.61E-28	0.0507	0.0028	3.01E-71	28552196, 30595370
<i>DLEU2</i>	Cells Transformed fibroblasts	0.1416	0.0138	7.49E-25	0.1097	0.0062	4.01E-71	23563607, 28552196, 30595370
<i>ADCY3</i>	Brain Frontal Cortex BA9	0.0871	0.0079	2.61E-28	0.0636	0.0036	8.78E-71	28552196, 31562340
<i>DNAJC27</i>	Whole Blood	-0.0655	0.0059	2.61E-28	-0.0478	0.0027	8.78E-71	20881960, 25429064, 31217584
<i>PSMC5</i>	Cells Transformed fibroblasts	-0.1194	0.0103	3.54E-31	-0.0815	0.0046	1.17E-70	
<i>SMARCD2</i>	Muscle Skeletal	-0.1810	0.0156	3.54E-31	-0.1236	0.0070	1.17E-70	
<i>CENPO</i>	Lung	-0.0897	0.0081	2.61E-28	-0.0649	0.0037	1.41E-70	23563607, 25282103, 28552196
<i>ADCY3</i>	Whole Blood	-0.0372	0.0034	2.61E-28	-0.0269	0.0015	2.26E-70	28552196, 31562340
<i>NBPF1</i>	Esophagus Mucosa	-0.0816	0.0074	3.82E-28	-0.0568	0.0032	1.36E-69	
<i>MFAP2</i>	Artery Aorta	0.0881	0.0091	3.11E-22	0.0629	0.0036	1.41E-69	20881960, 21194676, 23563607, 25282103, 25429064, 30595370, 31217584
<i>MSTIL</i>	Brain Caudate basal ganglia	-0.0480	0.0049	3.11E-22	-0.0343	0.0019	1.41E-69	
<i>RP1-37C10.3</i>	Cells Transformed fibroblasts	0.0702	0.0072	3.11E-22	0.0502	0.0028	1.41E-69	
<i>DOTIL</i>	Artery Tibial	0.1503	0.0145	4.42E-25	0.1165	0.0066	1.95E-69	18391950, 20881960, 23563607, 25282103, 28552196, 31217584
<i>CDK5RAP1</i>	Testis	0.1139	0.0107	1.84E-26	0.0852	0.0048	2.59E-69	21194676
<i>TP53INP2</i>	Artery Tibial	0.1449	0.0129	2.32E-29	0.0984	0.0056	6.78E-69	
<i>DNAJC27-AS1</i>	Brain Cerebellar Hemisphere	0.0656	0.0058	8.97E-30	0.0444	0.0025	1.30E-68	28552196, 30595370
<i>DNAJC27-AS1</i>	Brain Cerebellum	0.0725	0.0064	8.97E-30	0.0491	0.0028	1.30E-68	28552196, 30595370
<i>AC034220.3</i>	Brain Anterior cingulate cortex BA24	0.0439	0.0038	1.89E-31	0.0295	0.0017	1.52E-68	
<i>SLC22A5</i>	Skin Not Sun Exposed Suprapubic	-0.0762	0.0065	1.89E-31	-0.0512	0.0029	1.52E-68	21194676
<i>MYH7B</i>	Esophagus Muscularis	0.1779	0.0143	2.20E-35	0.1276	0.0073	1.88E-68	21194676
<i>MYH7B</i>	Skin Sun Exposed Lower leg	0.1492	0.0120	2.20E-35	0.1070	0.0061	1.88E-68	21194676
<i>AC034220.3</i>	Brain Cerebellar Hemisphere	0.0556	0.0046	3.55E-33	0.0366	0.0021	2.24E-68	
<i>AC034220.3</i>	Brain Frontal Cortex BA9	0.0398	0.0033	3.55E-33	0.0262	0.0015	2.24E-68	
<i>AC034220.3</i>	Colon Sigmoid	0.0630	0.0054	1.89E-31	0.0424	0.0024	4.35E-68	
<i>AC034220.3</i>	Colon Transverse	0.1139	0.0098	1.89E-31	0.0766	0.0044	4.35E-68	
<i>AC034220.3</i>	Esophagus Muscularis	0.0579	0.0050	1.89E-31	0.0389	0.0022	4.35E-68	
<i>AC034220.3</i>	Testis	0.0561	0.0048	1.89E-31	0.0377	0.0022	4.35E-68	
<i>AC034220.3</i>	Artery Coronary	0.0714	0.0061	1.89E-31	0.0480	0.0028	4.66E-68	
<i>AC034220.3</i>	Brain Nucleus accumbens basal ganglia	0.0361	0.0032	8.97E-30	0.0249	0.0014	6.32E-68	
<i>AC034220.3</i>	Brain Hippocampus	0.0384	0.0034	8.97E-30	0.0264	0.0015	7.85E-68	
<i>AC034220.3</i>	Esophagus Mucosa	0.0762	0.0067	8.97E-30	0.0525	0.0030	7.85E-68	
<i>AC034220.3</i>	Whole Blood	0.1184	0.0104	8.97E-30	0.0815	0.0047	7.85E-68	
<i>RP11-288G3.4</i>	Skin Sun Exposed Lower leg	-0.0858	0.0095	2.26E-19	-0.0737	0.0042	1.60E-67	
<i>RP11-69L16.5</i>	Skin Not Sun Exposed Suprapubic	-0.0643	0.0071	2.26E-19	-0.0552	0.0032	1.60E-67	
<i>AC034220.3</i>	Breast Mammary Tissue	0.1175	0.0104	8.97E-30	0.0806	0.0046	1.61E-67	
<i>AC034220.3</i>	Lung	0.0712	0.0063	8.97E-30	0.0489	0.0028	1.61E-67	
<i>AC034220.3</i>	Muscle Skeletal	0.0644	0.0057	8.97E-30	0.0442	0.0025	1.61E-67	
<i>AC034220.3</i>	Spleen	0.0354	0.0031	8.97E-30	0.0243	0.0014	1.61E-67	
<i>AC034220.3</i>	Pancreas	0.0630	0.0057	3.82E-28	0.0447	0.0026	3.54E-67	
<i>AC034220.3</i>	Stomach	0.0482	0.0044	3.82E-28	0.0342	0.0020	3.54E-67	
<i>GSS</i>	Lung	0.1924	0.0155	2.20E-35	0.1224	0.0071	6.67E-67	
<i>AC034220.3</i>	Artery Tibial	0.1181	0.0104	8.97E-30	0.0807	0.0047	1.18E-66	
<i>AC034220.3</i>	Brain Hypothalamus	0.0400	0.0035	8.97E-30	0.0274	0.0016	1.18E-66	
<i>ITCH</i>	Adipose Subcutaneous	-0.2427	0.0235	4.42E-25	-0.1831	0.0106	1.38E-66	30595370

<i>MAP1LC3A</i>	Liver	0.1024	0.0099	4.42E-25	0.0772	0.0045	1.38E-66	
<i>MAP1LC3A</i>	Spleen	0.0685	0.0066	4.42E-25	0.0517	0.0030	1.38E-66	
<i>TBX2</i>	Thyroid	-0.1122	0.0097	3.20E-31	0.0719	0.0042	2.98E-66	
<i>PITX1</i>	Testis	0.0436	0.0042	6.83E-25	0.0331	0.0019	7.87E-66	
<i>CSNK2B</i>	Esophagus Muscularis	0.1323	0.0128	6.19E-25	0.0948	0.0055	1.59E-65	
<i>RP4-614O4.12</i>	Breast Mammary Tissue	-0.0834	0.0067	2.20E-35	-0.0525	0.0031	1.68E-65	
<i>RBMS1P1</i>	Heart Atrial Appendage	-0.1156	0.0123	6.92E-21	-0.0883	0.0052	2.52E-65	
<i>CPNE1</i>	Muscle Skeletal	-0.0525	0.0050	2.28E-25	-0.0383	0.0022	3.32E-65	
<i>FER1L4</i>	Nerve Tibial	-0.0598	0.0057	2.28E-25	-0.0436	0.0026	3.32E-65	28552196, 30595370
<i>FER1L4</i>	Esophagus Muscularis	-0.0744	0.0071	2.28E-25	-0.0541	0.0032	4.38E-65	28552196, 30595370
<i>CPNE1</i>	Brain Cortex	-0.0484	0.0045	2.39E-27	-0.0345	0.0020	4.92E-65	
<i>CPNE1</i>	Nerve Tibial	-0.0369	0.0034	2.39E-27	-0.0264	0.0015	4.92E-65	
<i>CPNE1</i>	Skin Sun Exposed Lower leg	-0.0380	0.0035	2.39E-27	-0.0271	0.0016	4.92E-65	
<i>CPNE1</i>	Artery Coronary	0.0439	0.0041	2.88E-27	-0.0307	0.0018	5.01E-65	
<i>RBM39</i>	Pancreas	0.2058	0.0190	2.88E-27	-0.1441	0.0085	5.01E-65	30595370
<i>FER1L4</i>	Adipose Subcutaneous	-0.1057	0.0102	2.28E-25	-0.0769	0.0045	5.43E-65	28552196, 30595370
<i>FER1L4</i>	Cells Transformed fibroblasts	-0.2676	0.0257	2.28E-25	-0.1945	0.0114	5.43E-65	28552196, 30595370
<i>FER1L4</i>	Heart Atrial Appendage	-0.0876	0.0084	2.28E-25	-0.0637	0.0037	5.43E-65	28552196, 30595370
<i>FER1L4</i>	Skin Not Sun Exposed Suprapubic	-0.1002	0.0096	2.28E-25	-0.0728	0.0043	5.43E-65	28552196, 30595370
<i>FER1L4</i>	Skin Sun Exposed Lower leg	-0.1049	0.0101	2.28E-25	-0.0762	0.0045	5.43E-65	28552196, 30595370
<i>FER1L4</i>	Testis	-0.1025	0.0099	2.28E-25	-0.0745	0.0044	5.43E-65	28552196, 30595370
<i>FER1L4</i>	Thyroid	-0.1076	0.0103	2.28E-25	-0.0782	0.0046	5.43E-65	28552196, 30595370
<i>CPNE1</i>	Adipose Visceral Omentum	-0.0464	0.0043	4.81E-27	-0.0307	0.0018	7.30E-65	
<i>CPNE1</i>	Heart Left Ventricle	-0.0509	0.0047	4.81E-27	-0.0336	0.0020	7.30E-65	
<i>MST1L</i>	Pituitary	-0.0519	0.0047	3.82E-28	-0.0347	0.0020	1.03E-64	
<i>MST1P2</i>	Skin Not Sun Exposed Suprapubic	0.1075	0.0098	3.82E-28	0.0719	0.0042	1.03E-64	
<i>LINC00657</i>	Skin Not Sun Exposed Suprapubic	-0.1997	0.0196	1.98E-24	-0.1446	0.0085	1.45E-64	
<i>CPNE1</i>	Cells EBV-transformed lymphocytes	-0.0327	0.0031	2.28E-25	-0.0237	0.0014	1.72E-64	
<i>CPNE1</i>	Pancreas	-0.0342	0.0033	2.28E-25	-0.0248	0.0015	1.79E-64	
<i>CPNE1</i>	Pituitary	-0.0423	0.0041	2.28E-25	-0.0306	0.0018	1.79E-64	
<i>CPNE1</i>	Stomach	-0.0407	0.0038	2.61E-26	-0.0289	0.0017	2.17E-64	
<i>CPNE1</i>	Colon Sigmoid	-0.0353	0.0032	3.05E-28	-0.0241	0.0014	2.17E-64	
<i>CPNE1</i>	Brain Anterior cingulate cortex BA24	-0.0465	0.0045	2.28E-25	-0.0337	0.0020	2.20E-64	
<i>CPNE1</i>	Brain Caudate basal ganglia	-0.0428	0.0041	2.28E-25	-0.0309	0.0018	2.20E-64	
<i>CPNE1</i>	Brain Frontal Cortex BA9	-0.0536	0.0051	2.28E-25	-0.0387	0.0023	2.20E-64	
<i>CPNE1</i>	Liver	-0.0375	0.0036	2.28E-25	-0.0271	0.0016	2.20E-64	
<i>CPNE1</i>	Uterus	-0.0526	0.0051	2.28E-25	-0.0380	0.0022	2.20E-64	
<i>CPNE1</i>	Spleen	-0.0384	0.0038	1.98E-24	-0.0277	0.0016	3.45E-64	
<i>RNU6-850P</i>	Small Intestine Terminal Ileum	-0.0351	0.0038	1.03E-20	-0.0277	0.0016	3.90E-64	
<i>CPNE1</i>	Esophagus Gastroesophageal Junction	-0.0378	0.0037	1.98E-24	-0.0273	0.0016	4.59E-64	
<i>CPNE1</i>	Breast Mammary Tissue	-0.0489	0.0046	2.61E-26	-0.0346	0.0020	4.78E-64	
<i>CPNE1</i>	Artery Tibial	-0.0471	0.0045	4.28E-26	-0.0310	0.0018	4.84E-64	
<i>CPNE1</i>	Cells Transformed fibroblasts	-0.0554	0.0052	4.28E-26	-0.0364	0.0022	4.84E-64	
<i>CPNE1</i>	Esophagus Muscularis	-0.0465	0.0044	4.28E-26	-0.0306	0.0018	4.84E-64	
<i>CPNE1</i>	Testis	-0.0428	0.0040	4.28E-26	-0.0281	0.0017	4.84E-64	
<i>CPNE1</i>	Adrenal Gland	-0.0382	0.0036	2.61E-26	-0.0270	0.0016	4.93E-64	
<i>CPNE1</i>	Colon Transverse	-0.0441	0.0042	2.61E-26	-0.0312	0.0018	4.93E-64	
<i>CPNE1</i>	Esophagus Mucosa	-0.0374	0.0035	2.61E-26	-0.0265	0.0016	4.93E-64	
<i>CPNE1</i>	Whole Blood	-0.0433	0.0041	2.61E-26	-0.0306	0.0018	4.93E-64	
<i>CPNE1</i>	Skin Not Sun Exposed Suprapubic	-0.0386	0.0037	2.28E-25	-0.0279	0.0017	5.41E-64	
<i>RP11-182J1.5</i>	Nerve Tibial	0.0747	0.0079	2.70E-21	0.0591	0.0035	6.64E-64	
<i>CPNE1</i>	Artery Aorta	-0.0455	0.0042	4.81E-27	-0.0298	0.0018	7.90E-64	
<i>EFTUD1P1</i>	Artery Tibial	0.0732	0.0075	2.25E-22	0.0579	0.0034	2.43E-63	
<i>RPL36P4</i>	Brain Putamen basal ganglia	0.0382	0.0034	2.32E-29	0.0258	0.0015	6.03E-63	
<i>PTRHD1</i>	Adrenal Gland	-0.0503	0.0043	5.93E-32	-0.0329	0.0020	1.43E-62	
<i>CPNE1</i>	Small Intestine Terminal Ileum	-0.0496	0.0048	2.28E-25	-0.0355	0.0021	2.99E-62	
<i>AC068134.10</i>	Stomach	0.0726	0.0070	5.57E-25	0.0512	0.0031	3.65E-62	

<i>SLC38A9</i>	Brain Cerebellum	0.0511	0.0057	1.68E-19	0.0419	0.0025	6.41E-62	20881960, 25282103, 25429064
<i>SLC38A9</i>	Adipose Subcutaneous	-0.1168	0.0129	1.68E-19	-0.0974	0.0059	2.18E-61	20881960, 25282103, 25429064
<i>CROCC</i>	Esophagus Gastroesophageal Junction	-0.0870	0.0076	1.85E-30	-0.0538	0.0033	2.80E-61	30595370
<i>MFAP2</i>	Testis	0.0942	0.0082	1.85E-30	0.0583	0.0035	2.80E-61	20881960, 21194676, 23563607, 25282103, 25429064, 30595370, 31217584
<i>RP11-108M9.5</i>	Adipose Visceral Omentum	-0.0747	0.0065	1.85E-30	-0.0462	0.0028	2.80E-61	
<i>RP11-108M9.5</i>	Brain Cortex	-0.0550	0.0048	1.85E-30	-0.0341	0.0021	2.80E-61	
<i>RP11-108M9.5</i>	Muscle Skeletal	-0.0637	0.0056	1.85E-30	-0.0394	0.0024	2.80E-61	
<i>RP11-108M9.5</i>	Stomach	-0.0590	0.0051	1.85E-30	-0.0365	0.0022	2.80E-61	
<i>RN7SL417P</i>	Colon Sigmoid	0.0472	0.0047	1.52E-23	0.0357	0.0022	1.56E-60	
<i>CSPG4P11</i>	Brain Cerebellar Hemisphere	0.0372	0.0038	3.11E-22	0.0282	0.0017	1.93E-60	
<i>RP11-182J1.14</i>	Colon Sigmoid	0.0352	0.0038	6.92E-21	0.0284	0.0017	2.15E-60	
<i>RP11-419K12.1</i>	Esophagus Mucosa	0.0630	0.0070	3.09E-19	0.0521	0.0032	3.19E-60	
<i>CSPG4P12</i>	Breast Mammary Tissue	0.0703	0.0073	3.11E-22	0.0531	0.0032	3.70E-60	
<i>EFTUD1P1</i>	Testis	-0.0469	0.0048	3.11E-22	-0.0354	0.0022	3.70E-60	
<i>LOXLI-AS1</i>	Artery Tibial	0.1176	0.0130	1.68E-19	0.0912	0.0056	5.11E-60	
<i>LOXLI-AS1</i>	Cells Transformed fibroblasts	0.0701	0.0078	1.68E-19	0.0544	0.0033	5.11E-60	
<i>LOXLI-AS1</i>	Testis	-0.0758	0.0084	1.68E-19	-0.0588	0.0036	5.11E-60	
<i>RFT1</i>	Ovary	0.0432	0.0049	8.21E-19	0.0301	0.0018	5.70E-60	23563607, 30595370
<i>ZCCHC24</i>	Adipose Subcutaneous	0.1339	0.0134	1.52E-23	0.0926	0.0057	6.55E-60	
<i>RP5-1139B12.2</i>	Skin Sun Exposed Lower leg	-0.0988	0.0099	1.52E-23	-0.0724	0.0044	6.77E-60	
<i>NFKBIL1</i>	Nerve Tibial	0.1526	0.0139	5.46E-28	0.0979	0.0060	8.71E-60	28552196
<i>SLC44A4</i>	Thyroid	0.1036	0.0107	2.25E-22	0.0638	0.0039	9.70E-60	
<i>EDEM2</i>	Prostate	-0.0740	0.0067	3.82E-28	-0.0490	0.0030	2.48E-59	
<i>AIF1</i>	Cells EBV-transformed lymphocytes	-0.0598	0.0060	1.52E-23	-0.0439	0.0027	2.58E-59	
<i>GATAD1</i>	Brain Putamen basal ganglia	-0.0864	0.0096	3.09E-19	-0.0545	0.0034	2.69E-59	
<i>GATAD1</i>	Heart Atrial Appendage	-0.1361	0.0152	3.09E-19	-0.0858	0.0053	2.69E-59	
<i>GATAD1</i>	Lung	-0.1529	0.0171	3.09E-19	-0.0964	0.0059	2.69E-59	
<i>GATAD1</i>	Ovary	-0.0829	0.0092	3.09E-19	-0.0523	0.0032	2.69E-59	
<i>GATAD1</i>	Skin Sun Exposed Lower leg	-0.1150	0.0128	3.09E-19	-0.0725	0.0045	2.69E-59	
<i>GATAD1</i>	Stomach	-0.0944	0.0105	3.09E-19	-0.0595	0.0037	2.69E-59	
<i>GATAD1</i>	Thyroid	-0.1288	0.0144	3.09E-19	-0.0812	0.0050	2.69E-59	
<i>ZCCHC24</i>	Cells Transformed fibroblasts	0.2785	0.0298	1.03E-20	0.2113	0.0130	3.03E-59	
<i>RFT1</i>	Thyroid	0.0519	0.0059	8.21E-19	0.0359	0.0022	4.97E-59	23563607, 30595370
<i>SNAP47</i>	Brain Cortex	0.1125	0.0116	2.10E-22	0.0810	0.0050	5.81E-59	28552196, 30595370
<i>CD79B</i>	Thyroid	0.1298	0.0134	2.85E-22	0.0965	0.0060	6.37E-59	20881960, 21194676, 25282103
<i>RFT1</i>	Artery Coronary	0.0470	0.0047	1.52E-23	0.0343	0.0021	1.46E-58	23563607, 30595370
<i>RFT1</i>	Heart Left Ventricle	0.0840	0.0084	1.52E-23	0.0613	0.0038	1.46E-58	23563607, 30595370
<i>RFT1</i>	Stomach	0.0952	0.0095	1.52E-23	0.0695	0.0043	1.46E-58	23563607, 30595370
<i>RFT1</i>	Testis	0.1020	0.0102	1.52E-23	0.0744	0.0046	1.46E-58	23563607, 30595370
<i>SERBP1P3</i>	Adrenal Gland	-0.0451	0.0045	1.52E-23	-0.0329	0.0020	1.46E-58	
<i>SERBP1P3</i>	Artery Coronary	-0.0499	0.0050	1.52E-23	-0.0364	0.0023	1.46E-58	
<i>SERBP1P3</i>	Brain Putamen basal ganglia	-0.0362	0.0036	1.52E-23	-0.0264	0.0016	1.46E-58	
<i>SERBP1P3</i>	Colon Sigmoid	-0.0630	0.0063	1.52E-23	-0.0459	0.0028	1.46E-58	
<i>SERBP1P3</i>	Esophagus Gastroesophageal Junction	-0.0518	0.0052	1.52E-23	-0.0378	0.0023	1.46E-58	
<i>SERBP1P3</i>	Skin Not Sun Exposed Suprapubic	-0.0441	0.0044	1.52E-23	-0.0322	0.0020	1.46E-58	
<i>SERBP1P3</i>	Spleen	-0.0307	0.0031	1.52E-23	-0.0224	0.0014	1.46E-58	
<i>ATP13A2</i>	Nerve Tibial	0.0987	0.0099	1.52E-23	0.0691	0.0043	2.03E-58	20189936, 25429064, 31217584, 31562340
<i>SETD8</i>	Muscle Skeletal	0.1602	0.0152	4.79E-26	0.1097	0.0068	2.04E-58	
<i>BAG6</i>	Artery Aorta	-0.0597	0.0067	3.09E-19	-0.0480	0.0030	2.77E-58	
<i>BAG6</i>	Artery Coronary	-0.0438	0.0049	3.09E-19	-0.0352	0.0022	2.77E-58	
<i>BAG6</i>	Artery Tibial	-0.0457	0.0051	3.09E-19	-0.0367	0.0023	2.77E-58	
<i>CDK2AP1</i>	Adipose Visceral Omentum	-0.0968	0.0104	1.89E-20	-0.0662	0.0041	2.92E-58	
<i>RP4-614O4.12</i>	Esophagus Muscularis	-0.1119	0.0093	3.55E-33	-0.0669	0.0042	3.13E-58	
<i>TMEM198</i>	Thyroid	0.1312	0.0141	1.27E-20	0.1025	0.0064	4.14E-58	
<i>USP37</i>	Brain Cerebellar Hemisphere	0.1006	0.0108	1.27E-20	0.0786	0.0049	4.14E-58	28552196
<i>CDK2AP1</i>	Lung	-0.1135	0.0123	3.25E-20	-0.0849	0.0053	4.49E-58	
<i>ZCCHC24</i>	Nerve Tibial	0.1623	0.0162	1.52E-23	0.1176	0.0073	4.87E-58	
<i>CDK2AP1</i>	Adipose Subcutaneous	-0.0716	0.0074	2.42E-22	-0.0535	0.0033	6.41E-58	
<i>FAM133B</i>	Esophagus Muscularis	-0.1334	0.0126	2.79E-26	-0.0806	0.0050	6.41E-58	

<i>BCS1L</i>	Adipose Subcutaneous	0.1877	0.0202	1.27E-20	0.1462	0.0091	7.49E-58	
<i>PLCD4</i>	Thyroid	-0.0746	0.0080	1.27E-20	-0.0581	0.0036	7.49E-58	
<i>STK36</i>	Thyroid	0.1967	0.0211	1.03E-20	0.1476	0.0092	1.07E-57	
<i>CDK2AP1</i>	Cells Transformed fibroblasts	-0.0885	0.0084	5.62E-26	-0.0591	0.0037	1.30E-57	
<i>CDK2AP1</i>	Skin Sun Exposed Lower leg	-0.0937	0.0089	5.62E-26	-0.0626	0.0039	1.30E-57	
<i>GGT7</i>	Cells Transformed fibroblasts	-0.1798	0.0150	3.55E-33	-0.1069	0.0067	1.42E-57	
<i>DNAJC27-AS1</i>	Uterus	0.0514	0.0055	1.03E-20	0.0389	0.0024	1.63E-57	28552196, 30595370
<i>AMZ1</i>	Brain Cerebellar Hemisphere	-0.0571	0.0060	1.23E-21	0.0316	0.0020	1.75E-57	18391951, 20189936, 20881960, 23563607, 25282103, 25429064, 28552196, 30595370, 31217584, 31562340
<i>CDK2AP1</i>	Artery Tibial	-0.1400	0.0136	8.88E-25	-0.0980	0.0061	1.91E-57	
<i>ERGIC3</i>	Esophagus Muscularis	0.1671	0.0156	7.22E-27	0.1102	0.0069	1.91E-57	
<i>SNAP47</i>	Pituitary	0.0597	0.0060	1.52E-23	0.0420	0.0026	2.05E-57	28552196, 30595370
<i>BCS1L</i>	Breast Mammary Tissue	0.1373	0.0147	1.27E-20	0.1059	0.0066	2.10E-57	
<i>BCS1L</i>	Thyroid	0.1691	0.0182	1.27E-20	0.1304	0.0082	2.10E-57	
<i>EFR3B</i>	Adrenal Gland	-0.0690	0.0071	4.67E-22	-0.0521	0.0033	2.17E-57	18391951, 21194676, 23563607, 28552196, 30595370
<i>RFT1</i>	Brain Cortex	0.0328	0.0033	1.52E-23	0.0236	0.0015	2.34E-57	23563607, 30595370
<i>RFT1</i>	Lung	0.1061	0.0106	1.52E-23	0.0765	0.0048	2.34E-57	23563607, 30595370
<i>SERBP1P3</i>	Liver	-0.0428	0.0043	1.52E-23	-0.0309	0.0019	2.34E-57	
<i>SFMBT1</i>	Artery Tibial	-0.1243	0.0124	1.52E-23	-0.0896	0.0056	2.34E-57	
<i>SFMBT1</i>	Nerve Tibial	-0.0741	0.0074	1.52E-23	-0.0535	0.0033	2.34E-57	
<i>MAP1LC3A</i>	Heart Atrial Appendage	0.0843	0.0092	7.68E-20	0.0582	0.0036	2.68E-57	
<i>CDK2AP1</i>	Thyroid	-0.1180	0.0112	5.62E-26	-0.0783	0.0049	2.71E-57	
<i>CBFA2T2</i>	Muscle Skeletal	0.1830	0.0168	1.04E-27	0.1187	0.0074	2.91E-57	
<i>BCS1L</i>	Nerve Tibial	0.1993	0.0214	1.27E-20	0.1544	0.0097	3.48E-57	
<i>RQCD1</i>	Whole Blood	0.0765	0.0082	1.27E-20	0.0593	0.0037	3.48E-57	
<i>ARL6IP4</i>	Testis	-0.0976	0.0100	2.42E-22	-0.0723	0.0045	3.59E-57	
<i>RP4-614O4.12</i>	Adipose Subcutaneous	-0.0803	0.0078	7.49E-25	-0.0496	0.0031	3.65E-57	
<i>RFT1</i>	Brain Cerebellum	0.0288	0.0029	1.52E-23	0.0207	0.0013	3.91E-57	23563607, 30595370
<i>SERBP1P3</i>	Brain Cortex	-0.0305	0.0031	1.52E-23	-0.0220	0.0014	3.91E-57	
<i>CDK2AP1</i>	Artery Aorta	-0.1124	0.0109	8.88E-25	-0.0783	0.0049	4.69E-57	
<i>P4HA2</i>	Brain Cerebellar Hemisphere	0.0756	0.0078	3.11E-22	0.0528	0.0033	5.63E-57	28552196, 30595370
<i>HIST1H2BD</i>	Prostate	0.0827	0.0083	1.52E-23	0.0570	0.0036	5.70E-57	
<i>C6orf106</i>	Colon Transverse	0.1265	0.0129	1.08E-22	0.0892	0.0056	6.28E-57	
<i>CSPG4P11</i>	Ovary	-0.0414	0.0046	1.27E-19	-0.0331	0.0021	6.91E-57	
<i>RFT1</i>	Pituitary	0.0420	0.0042	1.52E-23	0.0301	0.0019	1.00E-56	23563607, 30595370
<i>SERBP1P3</i>	Brain Hypothalamus	-0.0349	0.0035	1.52E-23	-0.0250	0.0016	1.00E-56	
<i>CDK2AP1</i>	Esophagus Mucosa	-0.0411	0.0042	2.62E-22	-0.0315	0.0020	1.09E-56	
<i>MPHOSPH9</i>	Nerve Tibial	0.1161	0.0119	2.62E-22	0.0889	0.0056	1.09E-56	21194676
<i>ZCCHC24</i>	Artery Tibial	0.1537	0.0149	4.42E-25	0.1070	0.0067	1.16E-56	
<i>RFT1</i>	Brain Caudate basal ganglia	0.0389	0.0039	1.52E-23	0.0278	0.0018	1.43E-56	23563607, 30595370
<i>RFT1</i>	Brain Nucleus accumbens basal ganglia	0.0434	0.0043	1.52E-23	0.0311	0.0020	1.43E-56	23563607, 30595370
<i>RFT1</i>	Skin Not Sun Exposed Suprapubic	0.0657	0.0066	1.52E-23	0.0471	0.0030	1.43E-56	23563607, 30595370
<i>RFT1</i>	Uterus	0.0369	0.0037	1.52E-23	0.0264	0.0017	1.43E-56	23563607, 30595370
<i>RFT1</i>	Vagina	0.0575	0.0057	1.52E-23	0.0412	0.0026	1.43E-56	23563607, 30595370
<i>SERBP1P3</i>	Adipose Subcutaneous	-0.0520	0.0052	1.52E-23	-0.0373	0.0024	1.43E-56	
<i>SERBP1P3</i>	Brain Anterior cingulate cortex BA24	-0.0387	0.0039	1.52E-23	-0.0277	0.0017	1.43E-56	
<i>SERBP1P3</i>	Brain Cerebellar Hemisphere	-0.0335	0.0033	1.52E-23	-0.0240	0.0015	1.43E-56	
<i>SERBP1P3</i>	Brain Hippocampus	-0.0293	0.0029	1.52E-23	-0.0210	0.0013	1.43E-56	
<i>SERBP1P3</i>	Brain Nucleus accumbens basal ganglia	-0.0297	0.0030	1.52E-23	-0.0212	0.0013	1.43E-56	
<i>SERBP1P3</i>	Pituitary	-0.0295	0.0030	1.52E-23	-0.0212	0.0013	1.43E-56	
<i>SERBP1P3</i>	Thyroid	-0.0385	0.0039	1.52E-23	-0.0276	0.0017	1.43E-56	
<i>RP11-343B18.2</i>	Artery Tibial	-0.0753	0.0081	1.03E-20	-0.0560	0.0035	1.60E-56	
<i>P4HA2</i>	Ovary	0.0622	0.0064	3.11E-22	0.0407	0.0026	1.62E-56	28552196, 30595370
<i>ATP13A2</i>	Muscle Skeletal	0.2688	0.0247	1.40E-27	0.1676	0.0106	1.68E-56	20189936, 25429064, 31217584, 31562340
<i>MFAP2</i>	Small Intestine Terminal Ileum	0.0919	0.0084	1.40E-27	0.0573	0.0036	1.68E-56	20881960, 21194676, 23563607, 25282103, 25429064, 30595370, 31217584
<i>RFT1</i>	Artery Aorta	0.0475	0.0049	3.76E-22	0.0328	0.0021	1.77E-56	23563607, 30595370
<i>RFT1</i>	Artery Tibial	0.0367	0.0038	3.76E-22	0.0254	0.0016	1.77E-56	23563607, 30595370

<i>RFT1</i>	Colon Sigmoid	0.0282	0.0029	3.76E-22	0.0195	0.0012	1.77E-56	23563607, 30595370
<i>RFT1</i>	Colon Transverse	0.0553	0.0057	3.76E-22	0.0383	0.0024	1.77E-56	23563607, 30595370
<i>RFT1</i>	Esophagus	0.0318	0.0033	3.76E-22	0.0220	0.0014	1.77E-56	23563607, 30595370
	Gastroesophageal Junction							
<i>RFT1</i>	Esophagus Muscularis	0.0326	0.0034	3.76E-22	0.0226	0.0014	1.77E-56	23563607, 30595370
<i>RFT1</i>	Nerve Tibial	0.0594	0.0061	3.76E-22	0.0411	0.0026	1.77E-56	23563607, 30595370
<i>RFT1</i>	Spleen	0.0505	0.0052	3.76E-22	0.0349	0.0022	1.77E-56	23563607, 30595370
<i>RFT1</i>	Whole Blood	0.1893	0.0196	3.76E-22	0.1309	0.0083	1.77E-56	23563607, 30595370
<i>SERBP1P3</i>	Brain Caudate basal ganglia	-0.0281	0.0029	3.76E-22	-0.0194	0.0012	1.77E-56	
<i>SERBP1P3</i>	Brain Cerebellum	-0.0317	0.0033	3.76E-22	-0.0219	0.0014	1.77E-56	
<i>SERBP1P3</i>	Colon Transverse	-0.0534	0.0055	3.76E-22	-0.0369	0.0023	1.77E-56	
<i>SERBP1P3</i>	Esophagus Mucosa	-0.0593	0.0061	3.76E-22	-0.0410	0.0026	1.77E-56	
<i>SERBP1P3</i>	Lung	-0.0447	0.0046	3.76E-22	-0.0309	0.0020	1.77E-56	
<i>SERBP1P3</i>	Nerve Tibial	-0.0376	0.0039	3.76E-22	-0.0260	0.0016	1.77E-56	
<i>SERBP1P3</i>	Pancreas	-0.0357	0.0037	3.76E-22	-0.0247	0.0016	1.77E-56	
<i>SERBP1P3</i>	Skin Sun Exposed Lower leg	-0.0423	0.0044	3.76E-22	-0.0293	0.0018	1.77E-56	
<i>SERBP1P3</i>	Stomach	-0.0448	0.0046	3.76E-22	-0.0310	0.0020	1.77E-56	
<i>SERBP1P3</i>	Whole Blood	-0.0615	0.0064	3.76E-22	-0.0425	0.0027	1.77E-56	
<i>UBE2V1</i>	Skin Sun Exposed Lower leg	0.1696	0.0170	1.52E-23	0.1180	0.0075	1.85E-56	
<i>SLC22A5</i>	Adipose Subcutaneous	-0.0794	0.0079	1.52E-23	-0.0551	0.0035	1.95E-56	21194676
<i>SLC22A5</i>	Cells Transformed fibroblasts	-0.0449	0.0045	1.52E-23	-0.0312	0.0020	1.95E-56	21194676
<i>SLC22A5</i>	Stomach	-0.1284	0.0128	1.52E-23	-0.0891	0.0056	1.95E-56	21194676
<i>CHRNBI</i>	Whole Blood	0.0609	0.0065	1.03E-20	0.0468	0.0030	1.97E-56	
<i>CROCCP4</i>	Breast Mammary Tissue	-0.0717	0.0063	1.85E-30	-0.0429	0.0027	1.97E-56	
<i>MFAP2</i>	Cells Transformed fibroblasts	0.0706	0.0062	1.85E-30	0.0422	0.0027	1.97E-56	20881960, 21194676, 23563607, 25282103, 25429064, 30595370, 31217584, 18391950, 18391951, 18391952,
<i>HHIP</i>	Vagina	0.0596	0.0062	3.76E-22	0.0439	0.0028	2.55E-56	20397748, 20881960, 23563607, 25282103, 28552196, 31217584
<i>CEP250</i>	Nerve Tibial	-0.1133	0.0108	9.83E-26	-0.0761	0.0048	3.25E-56	25429064
<i>CSPG4P11</i>	Adipose Visceral Omentum	-0.0525	0.0056	6.92E-21	-0.0404	0.0026	3.60E-56	
<i>LINC00933</i>	Adrenal Gland	0.0618	0.0066	6.92E-21	0.0476	0.0030	3.66E-56	
<i>ACTL10</i>	Lung	-0.1668	0.0167	1.52E-23	-0.1098	0.0070	6.89E-56	
<i>INTS6</i>	Adipose Subcutaneous	0.2163	0.0186	3.54E-31	0.1354	0.0086	7.29E-56	
<i>CYP21A1P</i>	Adipose Subcutaneous	-0.0417	0.0046	2.26E-19	-0.0323	0.0021	7.64E-56	
<i>CYP21A1P</i>	Artery Tibial	-0.0468	0.0052	2.26E-19	-0.0363	0.0023	7.64E-56	
<i>CYP21A1P</i>	Brain Cerebellar Hemisphere	-0.0319	0.0035	2.26E-19	-0.0247	0.0016	7.64E-56	
<i>ABCB9</i>	Colon Sigmoid	0.0875	0.0088	1.52E-23	0.0641	0.0041	8.23E-56	
<i>ABCB9</i>	Artery Tibial	0.1223	0.0130	4.16E-21	0.0945	0.0060	1.03E-55	
<i>ABCB9</i>	Small Intestine Terminal Ileum	0.0637	0.0068	4.16E-21	0.0492	0.0031	1.03E-55	
<i>TTLA4</i>	Cells Transformed fibroblasts	-0.1581	0.0176	2.26E-19	-0.1207	0.0077	1.21E-55	25429064, 30595370
<i>CSPG4P11</i>	Esophagus Muscularis	-0.0493	0.0054	1.27E-19	-0.0390	0.0025	1.27E-55	
<i>CSPG4P12</i>	Artery Coronary	0.0583	0.0064	1.27E-19	0.0462	0.0029	1.27E-55	
<i>CSPG4P11</i>	Adipose Subcutaneous	-0.0469	0.0052	1.27E-19	-0.0372	0.0024	1.30E-55	
<i>ARF1</i>	Heart Left Ventricle	0.1192	0.0116	9.59E-25	0.0815	0.0052	1.77E-55	
<i>HIST1H2BD</i>	Whole Blood	0.1157	0.0112	5.57E-25	0.0753	0.0048	1.97E-55	
<i>HIST1H2BE</i>	Heart Atrial Appendage	0.0691	0.0067	5.57E-25	0.0450	0.0029	1.97E-55	
<i>AC062029.1</i>	Cells Transformed fibroblasts	0.1087	0.0109	1.52E-23	0.0769	0.0049	2.42E-55	
<i>AC062029.1</i>	Artery Aorta	0.0816	0.0082	1.52E-23	0.0573	0.0037	2.60E-55	
<i>AC062029.1</i>	Artery Tibial	0.0660	0.0066	1.52E-23	0.0463	0.0030	2.60E-55	
<i>AC062029.1</i>	Breast Mammary Tissue	0.1052	0.0105	1.52E-23	0.0738	0.0047	2.60E-55	
<i>PDLIM4</i>	Brain Frontal Cortex BA9	-0.0809	0.0081	1.52E-23	-0.0562	0.0036	2.95E-55	28552196
<i>PDLIM4</i>	Cells EBV-transformed lymphocytes	-0.0540	0.0054	1.52E-23	-0.0375	0.0024	3.05E-55	28552196
<i>PDLIM4</i>	Pancreas	-0.0827	0.0083	1.52E-23	-0.0575	0.0037	3.05E-55	28552196
<i>RP4-798A10.7</i>	Pancreas	-0.0659	0.0066	1.52E-23	-0.0462	0.0030	3.62E-55	
<i>RFT1</i>	Brain Cerebellar Hemisphere	0.0436	0.0045	4.18E-22	0.0309	0.0020	3.66E-55	23563607, 30595370
<i>RFT1</i>	Brain Frontal Cortex BA9	0.0406	0.0042	4.18E-22	0.0287	0.0018	3.66E-55	23563607, 30595370
<i>RFT1</i>	Cells Transformed fibroblasts	0.0754	0.0078	4.18E-22	0.0534	0.0034	3.66E-55	23563607, 30595370
<i>RFT1</i>	Heart Atrial Appendage	0.0692	0.0072	4.18E-22	0.0490	0.0031	3.66E-55	23563607, 30595370
<i>SERBP1P3</i>	Artery Aorta	-0.0593	0.0061	4.18E-22	-0.0420	0.0027	3.66E-55	

<i>SERBP1P3</i>	Artery Tibial	-0.0486	0.0050	4.18E-22	-0.0344	0.0022	3.66E-55	
<i>SERBP1P3</i>	Brain Frontal Cortex BA9	-0.0339	0.0035	4.18E-22	-0.0240	0.0015	3.66E-55	
<i>SERBP1P3</i>	Heart Left Ventricle	-0.0639	0.0066	4.18E-22	-0.0452	0.0029	3.66E-55	
<i>SERBP1P3</i>	Ovary	-0.0356	0.0037	4.18E-22	-0.0252	0.0016	3.66E-55	
<i>PDLIM4</i>	Cells Transformed fibroblasts	-0.1473	0.0147	1.52E-23	-0.1021	0.0065	5.09E-55	28552196
<i>SNRPGP14</i>	Skin Not Sun Exposed Suprapubic	0.0861	0.0094	7.68E-20	0.0646	0.0041	5.57E-55	
<i>CSNK2B</i>	Heart Left Ventricle	0.1020	0.0109	6.92E-21	0.0759	0.0049	6.13E-55	
<i>WDR82</i>	Artery Coronary	0.1268	0.0127	1.52E-23	0.0895	0.0057	6.53E-55	
<i>AC062029.1</i>	Adipose Subcutaneous	0.1003	0.0100	1.52E-23	0.0706	0.0045	6.94E-55	
<i>AC062029.1</i>	Esophagus Muscularis	0.0962	0.0096	1.52E-23	0.0677	0.0043	6.94E-55	
<i>GATAD1</i>	Liver	-0.0772	0.0079	1.96E-22	-0.0542	0.0035	6.98E-55	
<i>GATAD1</i>	Adipose Subcutaneous	-0.1105	0.0105	7.54E-26	-0.0750	0.0048	7.80E-55	
<i>GATAD1</i>	Breast Mammary Tissue	-0.1271	0.0121	7.54E-26	-0.0862	0.0055	7.80E-55	
<i>GATAD1</i>	Nerve Tibial	-0.1114	0.0106	7.54E-26	-0.0755	0.0048	7.80E-55	
<i>GATAD1</i>	Pancreas	-0.0817	0.0078	7.54E-26	-0.0554	0.0036	7.80E-55	
<i>GATAD1</i>	Spleen	-0.0723	0.0069	7.54E-26	-0.0490	0.0031	7.80E-55	
<i>ZFAS1</i>	Adipose Subcutaneous	0.1610	0.0157	8.88E-25	0.1075	0.0069	8.12E-55	20881960
<i>NCOA1</i>	Adrenal Gland	-0.0783	0.0069	3.01E-30	-0.0489	0.0031	1.35E-54	30595370
<i>SNORD12B</i>	Thyroid	-0.0914	0.0091	1.52E-23	-0.0625	0.0040	1.73E-54	
<i>HEXIM1</i>	Cells EBV-transformed lymphocytes	0.0911	0.0086	2.28E-26	0.0574	0.0037	1.80E-54	
<i>NPPC</i>	Pancreas	-0.0523	0.0056	5.78E-21	-0.0384	0.0025	2.24E-54	21194676, 30595370
<i>FLOT1</i>	Skin Sun Exposed Lower leg	0.2749	0.0275	1.52E-23	0.1728	0.0111	3.03E-54	
<i>IER3</i>	Esophagus Mucosa	0.1120	0.0112	1.52E-23	0.0704	0.0045	3.03E-54	
<i>SNORD12B</i>	Whole Blood	-0.1048	0.0102	8.88E-25	-0.0693	0.0045	6.06E-54	
<i>CBFA2T2</i>	Nerve Tibial	0.2284	0.0209	1.04E-27	0.1425	0.0092	6.53E-54	
<i>NECAB3</i>	Artery Aorta	-0.1771	0.0162	1.04E-27	-0.1105	0.0071	6.53E-54	
<i>GGT7</i>	Skin Not Sun Exposed Suprapubic	-0.1050	0.0108	2.85E-22	-0.0648	0.0042	1.23E-53	
<i>SLC22A5</i>	Breast Mammary Tissue	-0.0987	0.0106	1.03E-20	-0.0715	0.0046	1.32E-53	21194676
<i>VIL1</i>	Whole Blood	0.1133	0.0121	1.03E-20	0.0818	0.0053	3.27E-53	31562340
<i>GATAD1</i>	Artery Aorta	-0.1278	0.0135	2.10E-21	-0.0923	0.0060	1.10E-52	
<i>GATAD1</i>	Brain Frontal Cortex BA9	-0.0832	0.0088	2.10E-21	-0.0601	0.0039	1.10E-52	
<i>ADCY3</i>	Artery Tibial	-0.0811	0.0076	1.46E-26	-0.0505	0.0033	1.10E-52	28552196, 31562340
<i>CENPO</i>	Artery Tibial	-0.0948	0.0089	1.46E-26	-0.0590	0.0039	1.10E-52	23563607, 25282103, 28552196
<i>GATAD1</i>	Adipose Visceral Omentum	-0.1490	0.0149	1.52E-23	-0.1073	0.0070	2.11E-52	
<i>GATAD1</i>	Muscle Skeletal	-0.1385	0.0138	1.52E-23	-0.0997	0.0065	2.11E-52	
<i>CIQTNF4</i>	Brain Cerebellar Hemisphere	0.0637	0.0071	2.26E-19	0.0492	0.0032	2.13E-52	
<i>RP11-548H3.1</i>	Artery Tibial	0.1073	0.0115	1.03E-20	0.0772	0.0051	2.16E-52	
<i>GATAD1</i>	Adrenal Gland	-0.0578	0.0058	1.52E-23	-0.0386	0.0025	2.37E-52	
<i>GATAD1</i>	Artery Tibial	-0.1614	0.0161	1.52E-23	-0.1077	0.0071	2.37E-52	
<i>GATAD1</i>	Esophagus Mucosa	-0.0957	0.0096	1.52E-23	-0.0638	0.0042	2.37E-52	
<i>GATAD1</i>	Pituitary	-0.0608	0.0061	1.52E-23	-0.0405	0.0027	2.37E-52	
<i>GATAD1</i>	Small Intestine Terminal Ileum	-0.0679	0.0068	1.52E-23	-0.0453	0.0030	2.37E-52	
<i>GATAD1</i>	Cells Transformed fibroblasts	-0.1212	0.0128	2.10E-21	-0.0836	0.0055	2.48E-52	
<i>GATAD1</i>	Esophagus Muscularis	-0.1009	0.0106	2.10E-21	-0.0696	0.0046	2.48E-52	
<i>GATAD1</i>	Skin Not Sun Exposed Suprapubic	-0.0821	0.0086	2.10E-21	-0.0567	0.0037	2.48E-52	
<i>RP11-282O18.3</i>	Esophagus Muscularis	0.0891	0.0092	2.42E-22	-0.0619	0.0041	2.67E-52	
<i>RPL36P4</i>	Liver	0.0339	0.0035	1.55E-22	0.0236	0.0016	2.84E-52	
<i>RPL36P4</i>	Vagina	0.0307	0.0031	1.55E-22	0.0214	0.0014	2.84E-52	
<i>SLC22A4</i>	Whole Blood	-0.2992	0.0299	1.52E-23	-0.1984	0.0131	3.73E-52	
<i>PPARD</i>	Esophagus Mucosa	-0.1505	0.0163	2.69E-20	-0.1070	0.0070	3.78E-52	21194676, 21998595, 28552196, 30595370, 31217584
<i>RPL36P4</i>	Esophagus Gastroesophageal Junction	0.0297	0.0030	1.55E-22	0.0207	0.0014	3.84E-52	
<i>ACSL6</i>	Thyroid	0.1081	0.0108	1.52E-23	0.0757	0.0050	7.00E-52	
<i>SMIM4</i>	Brain Cerebellar Hemisphere	-0.0648	0.0069	1.03E-20	-0.0456	0.0030	7.84E-52	30595370
<i>AC034220.3</i>	Artery Aorta	0.0883	0.0091	3.41E-22	0.0617	0.0041	8.39E-52	
<i>ACTL10</i>	Adipose Subcutaneous	-0.1141	0.0107	1.84E-26	-0.0738	0.0049	1.01E-51	
<i>SLC22A5</i>	Brain Cerebellum	0.0830	0.0083	1.52E-23	0.0582	0.0038	1.06E-51	21194676
<i>AC034220.3</i>	Thyroid	0.0424	0.0042	1.52E-23	0.0287	0.0019	1.65E-51	

<i>AC116366.6</i>	Breast Mammary Tissue	-0.0939	0.0094	1.52E-23	-0.0623	0.0041	1.96E-51	
<i>CROCC</i>	Artery Aorta	-0.1130	0.0104	1.40E-27	-0.0677	0.0045	2.03E-51	30595370
<i>MTCH2</i>	Esophagus Muscularis	-0.1687	0.0187	2.26E-19	-0.1294	0.0086	2.05E-51	
<i>RBM12</i>	Brain Cerebellar Hemisphere	-0.1414	0.0125	8.97E-30	-0.0843	0.0056	4.07E-51	
<i>ERGIC3</i>	Nerve Tibial	0.1177	0.0123	1.50E-21	0.0815	0.0054	4.08E-51	
<i>ARL6IP4</i>	Brain Nucleus accumbens basal ganglia	0.0921	0.0097	3.10E-21	0.0632	0.0042	4.30E-51	
<i>SLC22A5</i>	Adipose Visceral Omentum	-0.0965	0.0093	4.98E-25	-0.0622	0.0041	4.50E-51	21194676
<i>LINC00657</i>	Esophagus Muscularis	-0.1538	0.0167	3.25E-20	-0.1080	0.0072	6.24E-51	
<i>PDLIM4</i>	Brain Anterior cingulate cortex BA24	-0.0692	0.0074	8.37E-21	-0.0499	0.0033	6.71E-51	28552196
<i>MPHOSPH9</i>	Whole Blood	0.1998	0.0212	3.57E-21	0.1407	0.0094	7.28E-51	21194676
<i>RP11-282O18.3</i>	Cells Transformed fibroblasts	-0.1085	0.0115	3.57E-21	-0.0764	0.0051	7.28E-51	
<i>RP11-1060G2.1</i>	Pituitary	-0.0440	0.0048	7.68E-20	-0.0280	0.0019	9.86E-51	
<i>RPL36P4</i>	Whole Blood	0.0417	0.0043	1.64E-22	0.0289	0.0019	1.05E-50	
<i>RPL36P4</i>	Cells EBV-transformed lymphocytes	0.0383	0.0039	1.55E-22	0.0257	0.0017	1.26E-50	
<i>MPHOSPH9</i>	Testis	0.0529	0.0056	3.10E-21	0.0360	0.0024	1.32E-50	21194676
<i>PDLIM4</i>	Ovary	0.0756	0.0073	5.57E-25	0.0468	0.0031	1.59E-50	28552196
<i>CROCC</i>	Liver	-0.0648	0.0065	1.52E-23	-0.0427	0.0029	2.39E-50	30595370
<i>RPL36P4</i>	Adrenal Gland	0.0315	0.0032	1.64E-22	0.0217	0.0015	2.40E-50	
<i>RPL36P4</i>	Artery Aorta	0.0324	0.0033	1.64E-22	0.0223	0.0015	2.40E-50	
<i>RPL36P4</i>	Artery Tibial	0.0357	0.0037	1.64E-22	0.0245	0.0016	2.40E-50	
<i>RPL36P4</i>	Brain Anterior cingulate cortex BA24	0.0328	0.0034	1.64E-22	0.0226	0.0015	2.40E-50	
<i>RPL36P4</i>	Brain Caudate basal ganglia	0.0351	0.0036	1.64E-22	0.0241	0.0016	2.40E-50	
<i>RPL36P4</i>	Breast Mammary Tissue	0.0288	0.0030	1.64E-22	0.0198	0.0013	2.40E-50	
<i>RPL36P4</i>	Colon Sigmoid	0.0297	0.0030	1.64E-22	0.0204	0.0014	2.40E-50	
<i>RPL36P4</i>	Esophagus Mucosa	0.0297	0.0030	1.64E-22	0.0204	0.0014	2.40E-50	
<i>RPL36P4</i>	Lung	0.0310	0.0032	1.64E-22	0.0213	0.0014	2.40E-50	
<i>RPL36P4</i>	Nerve Tibial	0.0325	0.0033	1.64E-22	0.0224	0.0015	2.40E-50	
<i>RPL36P4</i>	Pituitary	0.0301	0.0031	1.64E-22	0.0207	0.0014	2.40E-50	
<i>RPL36P4</i>	Skin Not Sun Exposed Suprapubic	0.0328	0.0034	1.64E-22	0.0226	0.0015	2.40E-50	
<i>RPL36P4</i>	Skin Sun Exposed Lower leg	0.0330	0.0034	1.64E-22	0.0227	0.0015	2.40E-50	
<i>RPL36P4</i>	Thyroid	0.0313	0.0032	1.64E-22	0.0215	0.0014	2.40E-50	
<i>ASXL2</i>	Brain Nucleus accumbens basal ganglia	-0.1083	0.0105	5.57E-25	-0.0695	0.0047	3.49E-50	
<i>QSOX2</i>	Muscle Skeletal	0.1967	0.0180	1.04E-27	0.1137	0.0076	4.11E-50	20189936, 20881960, 25282103, 25429064, 28552196, 30595370, 31562340
<i>CBFA2T2</i>	Adipose Subcutaneous	0.1289	0.0136	2.10E-21	0.0907	0.0061	4.24E-50	
<i>RP11-282O18.3</i>	Heart Atrial Appendage	-0.0917	0.0097	3.57E-21	-0.0645	0.0043	4.84E-50	
<i>ADAMTSL3</i>	Artery Aorta	-0.0630	0.0070	1.81E-19	-0.0472	0.0032	5.11E-50	18391952, 19343178, 20189936, 20397748, 20881960, 21998595, 23563607, 25282103, 25429064, 28552196, 30595370, 31217584, 31562340
<i>CROCC</i>	Adipose Subcutaneous	-0.0866	0.0087	1.52E-23	-0.0571	0.0038	6.97E-50	30595370
<i>CROCC</i>	Adipose Visceral Omentum	-0.0763	0.0076	1.52E-23	-0.0504	0.0034	6.97E-50	30595370
<i>CROCC</i>	Artery Coronary	-0.0655	0.0065	1.52E-23	-0.0432	0.0029	6.97E-50	30595370
<i>CROCC</i>	Brain Cerebellar Hemisphere	-0.0786	0.0079	1.52E-23	-0.0519	0.0035	6.97E-50	30595370
<i>CROCC</i>	Brain Cerebellum	-0.0670	0.0067	1.52E-23	-0.0442	0.0030	6.97E-50	30595370
<i>CROCC</i>	Brain Frontal Cortex BA9	-0.0983	0.0098	1.52E-23	-0.0649	0.0044	6.97E-50	30595370
<i>CROCC</i>	Breast Mammary Tissue	-0.0895	0.0089	1.52E-23	-0.0590	0.0040	6.97E-50	30595370
<i>CROCC</i>	Colon Sigmoid	-0.0689	0.0069	1.52E-23	-0.0454	0.0031	6.97E-50	30595370
<i>CROCC</i>	Colon Transverse	-0.0813	0.0081	1.52E-23	-0.0536	0.0036	6.97E-50	30595370
<i>CROCC</i>	Esophagus Muscularis	-0.0699	0.0070	1.52E-23	-0.0461	0.0031	6.97E-50	30595370
<i>CROCC</i>	Heart Atrial Appendage	-0.0645	0.0065	1.52E-23	-0.0426	0.0029	6.97E-50	30595370
<i>CROCC</i>	Heart Left Ventricle	-0.0833	0.0083	1.52E-23	-0.0550	0.0037	6.97E-50	30595370
<i>CROCC</i>	Muscle Skeletal	-0.0669	0.0067	1.52E-23	-0.0441	0.0030	6.97E-50	30595370
<i>CROCC</i>	Nerve Tibial	-0.0806	0.0081	1.52E-23	-0.0532	0.0036	6.97E-50	30595370
<i>CROCC</i>	Pituitary	-0.0669	0.0067	1.52E-23	-0.0441	0.0030	6.97E-50	30595370
<i>CROCC</i>	Skin Not Sun Exposed Suprapubic	-0.0775	0.0078	1.52E-23	-0.0512	0.0034	6.97E-50	30595370
<i>CROCC</i>	Skin Sun Exposed Lower leg	-0.0884	0.0088	1.52E-23	-0.0583	0.0039	6.97E-50	30595370
<i>CROCC</i>	Whole Blood	-0.1064	0.0106	1.52E-23	-0.0702	0.0047	6.97E-50	30595370

<i>CROCCP4</i>	Esophagus	-0.0517	0.0052	1.52E-23	-0.0341	0.0023	6.97E-50	
	Gastroesophageal Junction							
<i>CROCCP4</i>	Lung	-0.0600	0.0060	1.52E-23	-0.0396	0.0027	6.97E-50	
<i>CROCCP4</i>	Muscle Skeletal	-0.0734	0.0073	1.52E-23	-0.0484	0.0033	6.97E-50	
<i>CROCCP4</i>	Stomach	-0.0454	0.0045	1.52E-23	-0.0299	0.0020	6.97E-50	
<i>MSTIL</i>	Heart Atrial Appendage	-0.0505	0.0051	1.52E-23	-0.0333	0.0022	6.97E-50	
<i>MSTIL</i>	Muscle Skeletal	-0.0472	0.0047	1.52E-23	-0.0312	0.0021	6.97E-50	
<i>RP11-108M9.4</i>	Esophagus Mucosa	-0.0526	0.0053	1.52E-23	-0.0347	0.0023	6.97E-50	
<i>RP11-108M9.5</i>	Adrenal Gland	-0.0395	0.0039	1.52E-23	-0.0260	0.0018	6.97E-50	
<i>RP11-108M9.5</i>	Artery Tibial	-0.0551	0.0055	1.52E-23	-0.0364	0.0024	6.97E-50	
<i>RP11-108M9.5</i>	Brain Cerebellum	-0.0449	0.0045	1.52E-23	-0.0296	0.0020	6.97E-50	
<i>RP11-108M9.5</i>	Esophagus Mucosa	-0.0438	0.0044	1.52E-23	-0.0289	0.0019	6.97E-50	
<i>RP11-108M9.5</i>	Ovary	-0.0395	0.0040	1.52E-23	-0.0261	0.0018	6.97E-50	
<i>RP11-182J1.14</i>	Adipose Subcutaneous	0.0533	0.0058	4.88E-20	0.0379	0.0026	8.15E-50	
<i>MPHOSPH9</i>	Artery Tibial	0.1140	0.0121	4.16E-21	0.0812	0.0055	1.77E-49	21194676
<i>MPHOSPH9</i>	Thyroid	0.0837	0.0089	4.16E-21	0.0596	0.0040	1.77E-49	21194676
<i>QSOX2</i>	Adipose Visceral Omentum	0.2135	0.0196	1.04E-27	0.1277	0.0087	5.20E-49	20189936, 20881960, 25282103, 25429064, 28552196, 30595370, 31562340
<i>SHROOM1</i>	Breast Mammary Tissue	-0.0793	0.0089	4.71E-19	-0.0584	0.0040	5.26E-49	
<i>PTPRN</i>	Colon Sigmoid	-0.0969	0.0104	1.27E-20	-0.0685	0.0047	6.01E-49	
<i>RP11-459I19.1</i>	Thyroid	-0.0709	0.0076	1.27E-20	-0.0501	0.0034	6.01E-49	
<i>TTLA</i>	Cells EBV-transformed lymphocytes	-0.0521	0.0056	1.27E-20	-0.0368	0.0025	6.01E-49	25429064, 30595370
<i>CYP27A1</i>	Spleen	-0.0455	0.0049	1.27E-20	-0.0322	0.0022	6.03E-49	
<i>CYP27A1</i>	Thyroid	-0.1010	0.0109	1.27E-20	-0.0714	0.0049	6.21E-49	
<i>QSOX2</i>	Esophagus Muscularis	0.1537	0.0136	1.46E-29	0.0891	0.0061	6.69E-49	20189936, 20881960, 25282103, 25429064, 28552196, 30595370, 31562340
<i>QSOX2</i>	Heart Left Ventricle	0.1044	0.0093	1.46E-29	0.0605	0.0041	6.69E-49	20189936, 20881960, 25282103, 25429064, 28552196, 30595370, 31562340
<i>CYP27A1</i>	Esophagus Mucosa	-0.1062	0.0114	1.27E-20	-0.0750	0.0051	6.78E-49	
<i>CYP27A1</i>	Whole Blood	-0.0510	0.0055	1.27E-20	-0.0360	0.0025	6.81E-49	

EBV, Epstein-Barr virus; GWAS, genome-wide association studies; s.e., standard error.