

Additional File 2. Top 50 results based on p-value for analysis methods Methylspectrum and RefFreeEWAS

Top 50 Methylspectrum Results				Top 50 RefFreeEWAS Results			
Women		Men		Women		Men	
CPG	pvalue	CPG	pvalue	CPG	pvalue	CPG	pvalue
cg16867657	7.97E-60	cg16867657	4.99E-30	cg16867657	1.49E-71	cg0032961	5.20E-38
cg07553761	7.80E-42	cg07547549	4.91E-29	cg26685941	4.91E-48	cg1686765	1.91E-30
cg10501210	3.73E-40	cg06639320	1.36E-25	cg14361627	1.12E-47	cg2157272	4.28E-24
cg14361627	4.05E-40	cg10501210	2.58E-24	cg19283806	1.48E-46	cg0754754	6.22E-24
cg08097417	6.70E-39	cg08097417	1.21E-23	cg10501210	3.27E-46	cg0487512	1.98E-23
cg22454769	1.03E-37	cg14361627	6.41E-23	cg12757011	1.99E-45	cg1302984	3.83E-23
cg06639320	1.45E-36	cg21572722	1.19E-21	cg07553761	4.87E-42	cg0708226	3.90E-23
cg21572722	3.43E-35	cg07553761	1.50E-21	cg07082267	1.33E-41	cg2245476	1.77E-22
cg24724428	1.46E-34	cg10804656	2.71E-21	cg22454769	2.43E-40	cg2407970	4.11E-22
cg10804656	1.85E-34	cg22736354	1.96E-20	cg16181396	5.47E-40	cg1080465	4.66E-22
cg00481951	7.98E-34	cg22454769	2.13E-20	cg24079702	6.81E-40	cg0708037	6.64E-22
cg17885226	9.63E-33	cg13327545	8.84E-19	cg00481951	1.24E-39	cg2120065	8.21E-22
cg04875128	7.19E-32	cg13954457	1.11E-18	cg07408456	1.81E-35	cg1853055	1.66E-21
cg12757011	1.50E-30	cg04875128	3.28E-18	cg17280346	1.33E-34	cg1436162	2.58E-21
cg23500537	3.85E-30	cg25478614	6.77E-18	cg08097417	1.36E-34	cg2412582	4.52E-20
cg17110586	6.75E-30	cg11970349	7.38E-18	cg01763090	1.69E-34	cg1050121	4.63E-20
cg07955995	9.55E-30	cg07955995	1.36E-17	cg16312514	2.75E-34	cg1169370	1.10E-19
cg01844642	1.54E-29	cg24724428	2.44E-17	cg06493994	9.45E-34	cg0355522	1.57E-19
cg09401099	1.64E-29	cg03771840	4.31E-17	cg23744638	1.61E-33	cg0663932	2.01E-19
cg18473521	3.05E-29	cg03473532	4.40E-17	cg10137837	4.31E-33	cg0215352	2.37E-19
cg07082267	9.45E-29	cg23174607	7.37E-17	cg06784991	1.15E-32	cg1616679	2.41E-19
cg06493994	9.69E-29	cg17110586	7.61E-17	cg25410668	1.28E-32	cg2462729	2.50E-19
cg18064714	9.82E-29	cg01153166	9.40E-17	cg26161329	2.01E-32	cg0034309	2.56E-19
cg24079702	1.03E-28	cg07080372	1.05E-16	cg11220950	8.01E-32	cg0755376	2.83E-19
cg14692377	1.65E-28	cg14472366	1.30E-16	cg24430580	9.95E-32	cg0162016	9.44E-19
cg25410668	1.77E-28	cg20273670	2.17E-16	cg24724428	1.82E-31	cg0265026	1.23E-18
cg07547549	2.52E-28	cg23500537	3.03E-16	cg19344626	1.85E-31	cg1641923	2.01E-18
cg06782035	3.27E-28	cg09499629	3.68E-16	cg04266460	2.14E-30	cg1014953	6.00E-18
cg05991454	6.95E-28	cg23078123	4.26E-16	cg17110586	3.45E-30	cg0314912	6.40E-18
cg08160331	8.18E-28	cg19283806	4.36E-16	cg14674720	4.76E-30	cg0320016	1.59E-17
cg12934382	1.38E-26	cg15341124	6.28E-16	cg10778288	8.01E-30	cg1395445	1.80E-17
cg22682811	3.29E-26	cg04400972	1.14E-15	cg17760405	9.56E-30	cg0750238	1.85E-17
cg00503840	3.76E-26	cg05024939	1.20E-15	cg20294304	1.25E-29	cg0244722	2.13E-17
cg06784991	4.51E-26	cg09401099	1.30E-15	cg04400972	1.51E-29	cg0980967	4.51E-17
cg06279276	6.07E-26	cg07082267	1.56E-15	cg04875128	2.32E-29	cg2525672	5.34E-17
cg00664406	7.11E-26	cg02650266	2.04E-15	cg19863655	2.52E-29	cg0842673	7.84E-17
cg26290632	7.57E-26	cg21200656	2.10E-15	cg05308819	3.45E-29	cg2005276	7.87E-17
cg16419235	1.05E-25	cg12934382	2.37E-15	cg21572722	4.84E-29	cg2489206	1.04E-16
cg13327545	1.32E-25	cg05991454	2.85E-15	cg25334393	5.43E-29	cg1781690	1.39E-16
cg20426994	1.38E-25	cg03555227	3.15E-15	cg11084334	7.61E-29	cg1001053	2.10E-16
cg11220950	1.65E-25	cg17885226	3.26E-15	cg03646916	8.90E-29	cg1972284	2.22E-16
cg16181396	2.02E-25	cg27252696	3.74E-15	cg15341124	1.01E-28	cg2279670	2.39E-16

cg15618978	3.58E-25	cg16419235	4.01E-15	cg06782035	1.01E-28	cg1332754	2.40E-16
cg26161329	4.71E-25	cg04090392	4.32E-15	cg01620164	1.01E-28	cg1802663	3.12E-16
cg01763090	7.83E-25	cg06493994	4.84E-15	cg20818778	2.06E-28	cg0494057	3.46E-16
cg10242160	7.99E-25	cg09578475	5.67E-15	cg10149533	2.67E-28	cg0521389	3.99E-16
cg04400972	9.53E-25	cg05835105	5.75E-15	cg19784428	2.71E-28	cg1117699	4.52E-16
cg15557036	9.64E-25	cg18473521	6.21E-15	cg12317815	3.90E-28	cg2262009	4.76E-16
cg11436113	1.07E-24	cg26161329	6.53E-15	cg03530962	4.18E-28	cg2187421	6.85E-16
cg02650266	1.68E-24	cg21159778	6.91E-15	cg02391713	5.19E-28	cg0347353	1.24E-15