$xname [1] “pfas_female[, x]”

$equidist [1] TRUE

attr(,“class”) [1] “histogram”

```
## log10 of feMale
lapply(Outcomes, function(x) {
    cpg_reg(log10(pfas_female[, x]), pfas_female, x, 10, "Female log10",
        300)
})
```

[[1]]

Table 19: Top10 CpGs from 300 for birth_weight of Female log10 by p.value (Sample Size = 278)

	names	Estimate	Std.Error	t.statistic	p.value	FDR
49	cg16725984	-0.0367	0.0081	-4.5194	0.0000	0.0000000
27	cg17519749	0.0420	0.0121	3.4601	0.0006	0.0900000
248	cg11196848	0.0444	0.0141	3.1445	0.0019	0.1900000
71	cg16672637	0.0990	0.0342	2.8983	0.0041	0.3075000
297	cg01607625	0.0606	0.0218	2.7815	0.0058	0.3480000
222	cg27258399	0.0274	0.0101	2.7108	0.0071	0.3550000
185	cg07716131	-0.0547	0.0216	-2.5380	0.0117	0.4745455
113	cg22685502	0.0504	0.0202	2.4903	0.0134	0.4745455
240	cg16375541	0.0659	0.0272	2.4200	0.0162	0.4745455
87	cg10397322	0.0529	0.0219	2.4146	0.0164	0.4745455

[[2]]

Table 20: Top10 CpGs from 300 for ipv3_pp_fm_pct of Female log10 by p.value (Sample Size = 271)

	names	Estimate	Std.Error	t.statistic	p.value	FDR
189	cg13382072	-0.1423	0.0490	-2.9033	0.0040	0.9863415
203	cg15066197	-0.1936	0.0750	-2.5808	0.0104	0.9863415
33	cg05431942	0.0802	0.0334	2.4037	0.0169	0.9863415
28	cg12872489	0.1035	0.0441	2.3500	0.0195	0.9863415
20	cg00210042	-0.2069	0.0885	-2.3380	0.0202	0.9863415
51	cg15642854	-0.0514	0.0222	-2.3163	0.0213	0.9863415
5	cg12657739	-0.1407	0.0638	-2.2053	0.0283	0.9863415
54	cg19529074	0.1854	0.0866	2.1398	0.0333	0.9863415
151	cg10996327	-0.1580	0.0775	-2.0371	0.0427	0.9863415
292	cg04804814	0.1641	0.0819	2.0041	0.0461	0.9863415

[[3]]

Table 21: Top10 CpGs from 300 for Chol_IPV3 of Female log10 by p.value (Sample Size = 257)

	names	Estimate	Std.Error	t.statistic	p.value	FDR
64	cg24469114	0.1554	0.0524	2.9647	0.0033	0.3375000

	names	Estimate	Std.Error	t.statistic	p.value	FDR
49	cg16725984	0.0576	0.0198	2.9107	0.0039	0.3375000
72	cg16659510	-0.1442	0.0501	-2.8788	0.0043	0.3375000
60	cg26381452	0.0502	0.0175	2.8655	0.0045	0.3375000
142	cg21501241	-0.1370	0.0495	-2.7677	0.0061	0.3514286
235	cg25017403	0.0629	0.0232	2.7141	0.0071	0.3514286
11	cg02233835	-0.1200	0.0450	-2.6644	0.0082	0.3514286
267	cg22138002	-0.0931	0.0368	-2.5340	0.0119	0.4100000
193	cg01541565	-0.0894	0.0354	-2.5225	0.0123	0.4100000
45	cg16422816	0.1515	0.0627	2.4169	0.0164	0.4450000

[[4]]

Table 22: Top10 CpGs from 300 for FFA_IPV3 of Female log10 by p.value (Sample Size = 237)

	names	Estimate	Std.Error	t.statistic	p.value	FDR
167	cg16495448	-0.1639	0.0669	-2.4498	0.0151	0.9170642
14	cg09473264	-0.1372	0.0565	-2.4274	0.0160	0.9170642
171	cg09461851	0.1977	0.0860	2.2975	0.0225	0.9170642
290	cg00798281	-0.1250	0.0555	-2.2531	0.0252	0.9170642
281	cg22946159	0.2346	0.1050	2.2341	0.0265	0.9170642
20	cg00210042	0.2069	0.0948	2.1816	0.0302	0.9170642
268	cg05119480	0.1364	0.0628	2.1711	0.0310	0.9170642
272	cg17269633	-0.1239	0.0576	-2.1514	0.0325	0.9170642
230	cg22950210	-0.1085	0.0528	-2.0534	0.0412	0.9170642
215	cg11417025	-0.0954	0.0469	-2.0353	0.0430	0.9170642

[[5]]

Table 23: Top10 CpGs from 300 for Gluc_IPV3 of Female log10 by p.value (Sample Size = 263)

	names	Estimate	Std.Error	t.statistic	p.value	FDR
168	cg12680424	-0.1812	0.0631	-2.8701	0.0045	0.74375
260	cg17284440	0.1544	0.0576	2.6823	0.0078	0.74375
262	cg05888037	-0.1581	0.0617	-2.5634	0.0110	0.74375
6	cg26724375	-0.0689	0.0300	-2.2927	0.0227	0.74375
288	cg10848522	0.0451	0.0198	2.2795	0.0235	0.74375
216	cg06230206	-0.0553	0.0245	-2.2586	0.0248	0.74375
285	cg27535677	0.0459	0.0204	2.2495	0.0254	0.74375
173	cg23506842	-0.0582	0.0259	-2.2458	0.0256	0.74375
167	cg16495448	-0.0593	0.0267	-2.2251	0.0270	0.74375
3	cg07551200	-0.1361	0.0619	-2.2002	0.0287	0.74375

[[6]]

Table 24: Top10 CpGs from 300 for HDL_IPV3 of Female log10 by p.value (Sample Size = 242)

	names	Estimate	Std.Error	t.statistic	p.value	FDR
113	cg22685502	-0.1310	0.0476	-2.7522	0.0064	0.6054545
291	cg09630142	-0.0839	0.0316	-2.6515	0.0086	0.6054545
11	cg02233835	-0.1171	0.0448	-2.6148	0.0095	0.6054545
185	cg07716131	-0.1327	0.0507	-2.6149	0.0095	0.6054545
222	cg27258399	-0.0604	0.0237	-2.5461	0.0116	0.6054545
277	cg05227616	-0.0942	0.0374	-2.5210	0.0124	0.6054545
147	cg03604367	0.0913	0.0378	2.4148	0.0165	0.6054545
50	cg27124293	0.0560	0.0241	2.3272	0.0208	0.6054545
60	cg26381452	0.0400	0.0172	2.3239	0.0210	0.6054545
72	cg16659510	-0.1130	0.0488	-2.3147	0.0215	0.6054545

[[7]]

Table 25: Top10 CpGs from 300 for Insu_IPV3 of Female log10 by p.value (Sample Size = 255)

	names	Estimate	Std.Error	t.statistic	p.value	FDR
139	cg08743751	0.2928	0.0706	4.1470	0.0000	0.0000000
254	cg22692511	0.1893	0.0389	4.8637	0.0000	0.0000000
88	cg19667731	-0.2844	0.0893	-3.1842	0.0016	0.1600000
237	cg21380181	-0.1887	0.0624	-3.0266	0.0027	0.2025000
236	cg04061372	-0.0684	0.0251	-2.7190	0.0070	0.4200000
295	cg09114153	0.1922	0.0744	2.5843	0.0103	0.5150000
299	cg17217478	-0.0537	0.0219	-2.4560	0.0148	0.5366667
77	cg23478547	-0.1117	0.0461	-2.4244	0.0161	0.5366667
239	cg01969701	0.1360	0.0561	2.4246	0.0161	0.5366667
28	cg12872489	0.1170	0.0495	2.3613	0.0190	0.5700000

[[8]]

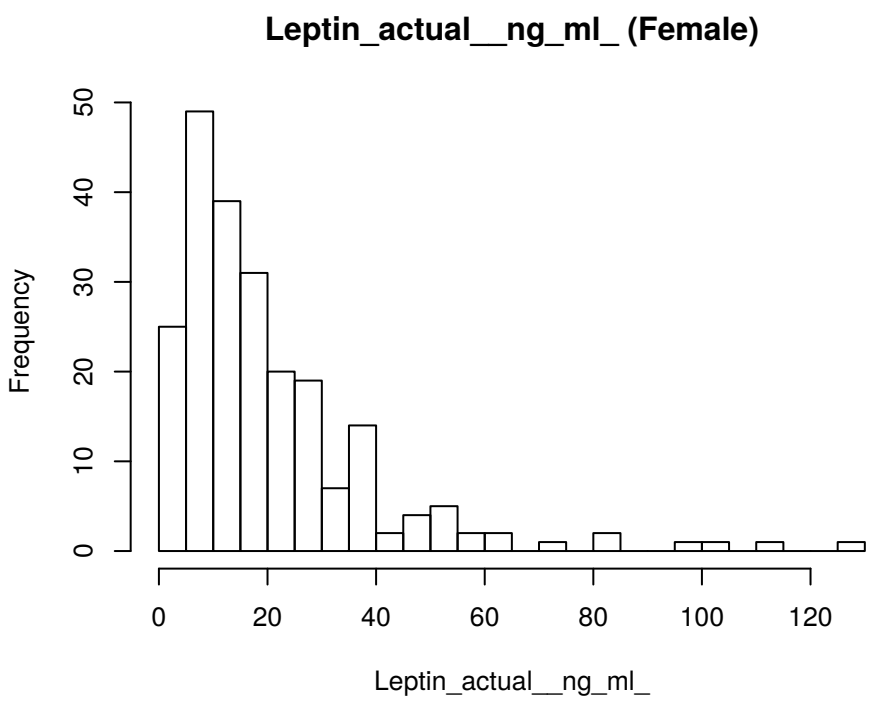
Table 26: Top10 CpGs from 300 for Trig_IPV3 of Female log10 by p.value (Sample Size = 252)

	names	Estimate	Std.Error	t.statistic	p.value	FDR
109	cg22120094	-0.1019	0.0415	-2.4572	0.0147	0.876087
13	cg21451869	-0.1961	0.0802	-2.4448	0.0152	0.876087
297	cg01607625	-0.2053	0.0865	-2.3747	0.0184	0.876087
172	cg07812715	-0.2047	0.0881	-2.3233	0.0210	0.876087
58	cg09887862	0.0701	0.0305	2.2991	0.0224	0.876087
155	cg15727287	0.0822	0.0368	2.2318	0.0266	0.876087
38	cg10533331	0.2260	0.1013	2.2300	0.0267	0.876087
17	cg13699963	-0.2083	0.0939	-2.2175	0.0275	0.876087
298	cg14801692	0.0655	0.0308	2.1289	0.0343	0.876087
113	cg22685502	0.1607	0.0778	2.0645	0.0400	0.876087

[[9]]

Table 27: Top10 CpGs from 300 for Leptin_actual__*ng_ml* of Female log10 by p.value (Sample Size = 226)

	names	Estimate	Std.Error	t.statistic	p.value	FDR
62	cg04523661	-0.4288	0.1297	-3.3065	0.0011	0.3300000
204	cg15045292	0.1756	0.0585	3.0045	0.0030	0.3800000
126	cg05390685	-0.2360	0.0805	-2.9301	0.0038	0.3800000
45	cg16422816	-0.4788	0.1695	-2.8248	0.0052	0.3900000
232	cg03991871	-0.2149	0.0803	-2.6745	0.0081	0.3900000
49	cg16725984	-0.1600	0.0607	-2.6351	0.0090	0.3900000
237	cg21380181	-0.2534	0.0963	-2.6321	0.0091	0.3900000
199	cg21261158	0.4504	0.1865	2.4144	0.0166	0.5716667
82	cg18373158	0.2249	0.0943	2.3833	0.0180	0.5716667
44	cg09420412	-0.2234	0.0998	-2.2390	0.0262	0.5716667




```
######################################## using pfas_male_FDRcpg pfas_female_FDRcpg
lapply(Outcomes[1:9], function(x) {
    cpg_reg(log10(pfas_male_FDRcpg[, x]), pfas_male_FDRcpg, x,
        10, "Male log10", 120)
})
```

[[1]]

Table 28: Top10 CpGs from 120 for birth_weight of Male log10 by p.value (Sample Size = 305)

	names	Estimate	Std.Error	t.statistic	p.value	FDR
8	cg25195288	0.0795	0.0234	3.3957	0.0008	0.0960000
70	cg25137968	0.0424	0.0159	2.6660	0.0081	0.4860000
49	cg04029532	0.0524	0.0230	2.2728	0.0238	0.6257143
69	cg07105947	0.0165	0.0074	2.2346	0.0262	0.6257143

	names	Estimate	Std.Error	t.statistic	p.value	FDR
37	cg05524354	0.0273	0.0129	2.1183	0.0350	0.6257143
108	cg07011961	0.0290	0.0144	2.0125	0.0451	0.6257143
48	cg19708901	0.0366	0.0184	1.9864	0.0479	0.6257143
74	cg03015672	0.0277	0.0143	1.9432	0.0530	0.6257143
21	cg04591709	0.0466	0.0242	1.9280	0.0548	0.6257143
119	cg09114153	0.0280	0.0146	1.9194	0.0559	0.6257143

[[2]]

Table 29: Top10 CpGs from 120 for ipv3_pp_fm_pct of Male log10 by p.value (Sample Size = 292)

	names	Estimate	Std.Error	t.statistic	p.value	FDR
68	cg15066197	-0.1946	0.0694	-2.8039	0.0054	0.6480000
109	cg04804814	0.1906	0.0861	2.2145	0.0276	0.7872000
4	cg21853587	0.2174	0.0995	2.1856	0.0297	0.7872000
70	cg25137968	0.1391	0.0645	2.1548	0.0320	0.7872000
35	cg08743751	0.1227	0.0572	2.1452	0.0328	0.7872000
86	cg01969701	0.0834	0.0428	1.9485	0.0524	0.9520588
80	cg16489689	0.1055	0.0576	1.8296	0.0684	0.9520588
65	cg09461851	0.1377	0.0798	1.7247	0.0857	0.9520588
37	cg05524354	0.0871	0.0524	1.6624	0.0975	0.9520588
88	cg20732198	0.0848	0.0515	1.6447	0.1011	0.9520588

[[3]]

Table 30: Top10 CpGs from 120 for Chol_IPV3 of Male log10 by p.value (Sample Size = 287)

	names	Estimate	Std.Error	t.statistic	p.value	FDR
102	cg08162803	0.1011	0.0394	2.5642	0.0109	0.874
69	cg07105947	-0.0341	0.0162	-2.1106	0.0357	0.874
108	cg07011961	0.0586	0.0309	1.8965	0.0590	0.874
104	cg17132124	0.0510	0.0271	1.8835	0.0607	0.874
72	cg09825146	-0.0384	0.0214	-1.7976	0.0733	0.874
84	cg04061372	0.0198	0.0110	1.7973	0.0734	0.874
10	cg13699963	0.0851	0.0476	1.7869	0.0751	0.874
47	cg15486454	-0.0477	0.0271	-1.7597	0.0796	0.874
97	cg11618577	0.0434	0.0250	1.7396	0.0831	0.874
52	cg03225444	0.0864	0.0505	1.7101	0.0884	0.874

[[4]]

Table 31: Top10 CpGs from 120 for FFA_IPV3 of Male log10 by p.value (Sample Size = 265)

	names	Estimate	Std.Error	t.statistic	p.value	FDR
46	cg21215576	0.1513	0.0501	3.0225	0.0028	0.336

	names	Estimate	Std.Error	t.statistic	p.value	FDR
4	cg21853587	-0.2415	0.1018	-2.3717	0.0185	0.846
89	cg16375541	0.2600	0.1176	2.2101	0.0280	0.846
88	cg20732198	-0.1148	0.0531	-2.1609	0.0316	0.846
22	cg19529074	-0.1452	0.0711	-2.0430	0.0421	0.846
43	cg13771313	0.0765	0.0379	2.0214	0.0443	0.846
64	cg15404665	0.0649	0.0356	1.8222	0.0696	0.846
120	cg14801692	0.0542	0.0310	1.7465	0.0819	0.846
94	cg05888037	-0.2177	0.1256	-1.7339	0.0842	0.846
107	cg15115757	-0.0412	0.0242	-1.7044	0.0895	0.846

[[5]]

Table 32: Top10 CpGs from 120 for Gluc_IPV3 of Male log10 by p.value (Sample Size = 295)

	names	Estimate	Std.Error	t.statistic	p.value	FDR
17	cg01816336	-0.0981	0.0396	-2.4761	0.0139	0.9797
59	cg01060409	0.1314	0.0575	2.2864	0.0230	0.9797
30	cg23478547	0.0360	0.0177	2.0375	0.0425	0.9797
88	cg20732198	0.0478	0.0235	2.0291	0.0434	0.9797
32	cg23629795	0.0412	0.0208	1.9808	0.0486	0.9797
15	cg15355952	0.0573	0.0290	1.9767	0.0491	0.9797
92	cg26781129	0.0452	0.0244	1.8477	0.0657	0.9797
22	cg19529074	-0.0552	0.0309	-1.7885	0.0748	0.9797
49	cg04029532	0.0754	0.0426	1.7682	0.0781	0.9797
73	cg25138412	-0.0285	0.0168	-1.7010	0.0901	0.9797

[[6]]

Table 33: Top10 CpGs from 120 for HDL_IPV3 of Male log10 by p.value (Sample Size = 261)

	names	Estimate	Std.Error	t.statistic	p.value	FDR
15	cg15355952	-0.1054	0.0333	-3.1646	0.0017	0.2040000
84	cg04061372	0.0308	0.0110	2.8043	0.0054	0.3020000
102	cg08162803	0.0993	0.0385	2.5761	0.0106	0.3020000
20	cg19549232	0.0924	0.0367	2.5191	0.0124	0.3020000
101	cg22946159	-0.1367	0.0548	-2.4925	0.0133	0.3020000
93	cg00798281	-0.0643	0.0263	-2.4463	0.0151	0.3020000
90	cg03989507	0.0708	0.0311	2.2785	0.0235	0.4028571
82	cg06230206	-0.0629	0.0292	-2.1575	0.0319	0.4785000
51	cg21209948	-0.0319	0.0154	-2.0630	0.0402	0.4920000
117	cg19059839	-0.0293	0.0143	-2.0539	0.0410	0.4920000

[[7]]

Table 34: Top10 CpGs from 120 for Insu_IPV3 of Male log10 by p.value (Sample Size = 282)

	names	Estimate	Std.Error	t.statistic	p.value	FDR
73	cg25138412	-0.1090	0.0442	-2.4637	0.0144	0.9533793
111	cg09630142	0.1295	0.0569	2.2766	0.0236	0.9533793
24	cg21261158	-0.2247	0.1141	-1.9699	0.0499	0.9533793
91	cg20276750	-0.1754	0.0999	-1.7556	0.0803	0.9533793
82	cg06230206	0.1143	0.0660	1.7318	0.0845	0.9533793
48	cg19708901	-0.1525	0.0904	-1.6869	0.0928	0.9533793
18	cg01541565	0.1209	0.0720	1.6786	0.0944	0.9533793
65	cg09461851	0.1610	0.0988	1.6295	0.1044	0.9533793
57	cg17578309	-0.1901	0.1180	-1.6114	0.1083	0.9533793
107	cg15115757	0.0421	0.0277	1.5209	0.1295	0.9533793

[[8]]

Table 35: Top10 CpGs from 120 for Trig_IPV3 of Male log10 by p.value (Sample Size = 284)

	names	Estimate	Std.Error	t.statistic	p.value	FDR
111	cg09630142	-0.1431	0.0443	-3.2318	0.0014	0.168
36	cg18373158	0.1295	0.0509	2.5434	0.0115	0.464
44	cg14349977	-0.0827	0.0326	-2.5413	0.0116	0.464
30	cg23478547	0.0836	0.0364	2.2993	0.0222	0.480
89	cg16375541	0.2456	0.1068	2.3001	0.0222	0.480
49	cg04029532	-0.2009	0.0885	-2.2703	0.0240	0.480
72	cg09825146	-0.0813	0.0382	-2.1276	0.0343	0.588
61	cg06243084	0.1372	0.0717	1.9148	0.0566	0.768
71	cg19711268	-0.0808	0.0426	-1.8948	0.0592	0.768
110	cg27535677	-0.0812	0.0446	-1.8212	0.0697	0.768

[[9]]

Table 36: Top10 CpGs from 120 for Leptin_actual_*ng_ml* of Male log10 by p.value (Sample Size = 252)

	names	Estimate	Std.Error	t.statistic	p.value	FDR
78	cg24280832	0.4147	0.1136	3.6493	0.0003	0.0360000
37	cg05524354	0.2988	0.1007	2.9680	0.0033	0.1920000
15	cg15355952	0.3546	0.1246	2.8472	0.0048	0.1920000
55	cg20505445	-0.1772	0.0821	-2.1582	0.0319	0.7306667
47	cg15486454	0.2045	0.0958	2.1338	0.0339	0.7306667
38	cg07716131	0.3561	0.1715	2.0761	0.0390	0.7306667
97	cg11618577	-0.1649	0.0893	-1.8472	0.0660	0.7306667
118	cg01607625	0.2999	0.1625	1.8450	0.0663	0.7306667
45	cg07694864	0.1770	0.0960	1.8433	0.0665	0.7306667
50	cg24833819	0.1527	0.0866	1.7635	0.0791	0.7306667

```
lapply(Outcomes[1:9], function(x) {
    cpg_reg(log10(pfas_female_FDRcpg[, x]), pfas_female_FDRcpg,
        x, 10, "Female log10", 120)
})
```

[[1]]

Table 37: Top10 CpGs from 120 for birth_weight of Female log10 by p.value (Sample Size = 278)

	names	Estimate	Std.Error	t.statistic	p.value	FDR
118	cg01607625	0.0606	0.0218	2.7815	0.0058	0.4176
16	cg27258399	0.0274	0.0101	2.7108	0.0071	0.4176
38	cg07716131	-0.0547	0.0216	-2.5380	0.0117	0.4176
89	cg16375541	0.0659	0.0272	2.4200	0.0162	0.4176
48	cg19708901	0.0517	0.0216	2.3927	0.0174	0.4176
91	cg20276750	-0.0462	0.0215	-2.1458	0.0328	0.5508
78	cg24280832	0.0276	0.0130	2.1152	0.0353	0.5508
21	cg04591709	0.0537	0.0263	2.0429	0.0421	0.5508
70	cg25137968	0.0338	0.0168	2.0157	0.0448	0.5508
50	cg24833819	0.0297	0.0148	2.0059	0.0459	0.5508

[[2]]

Table 38: Top10 CpGs from 120 for ipv3_pp_fm_pct of Female log10 by p.value (Sample Size = 271)

	names	Estimate	Std.Error	t.statistic	p.value	FDR
68	cg15066197	-0.1936	0.0750	-2.5808	0.0104	0.9803077
19	cg15642854	-0.0514	0.0222	-2.3163	0.0213	0.9803077
22	cg19529074	0.1854	0.0866	2.1398	0.0333	0.9803077
109	cg04804814	0.1641	0.0819	2.0041	0.0461	0.9803077
1	cg09331106	-0.2992	0.1609	-1.8595	0.0641	0.9803077
110	cg27535677	0.0865	0.0480	1.8033	0.0725	0.9803077
85	cg02333352	0.2072	0.1156	1.7927	0.0742	0.9803077
16	cg27258399	0.0709	0.0403	1.7572	0.0801	0.9803077
13	cg03991871	-0.0790	0.0457	-1.7272	0.0853	0.9803077
44	cg14349977	0.0595	0.0351	1.6973	0.0909	0.9803077

[[3]]

Table 39: Top10 CpGs from 120 for Chol_IPV3 of Female log10 by p.value (Sample Size = 257)

	names	Estimate	Std.Error	t.statistic	p.value	FDR
27	cg16659510	-0.1442	0.0501	-2.8788	0.0043	0.2700000
25	cg26381452	0.0502	0.0175	2.8655	0.0045	0.2700000
105	cg22138002	-0.0931	0.0368	-2.5340	0.0119	0.3560000
18	cg01541565	-0.0894	0.0354	-2.5225	0.0123	0.3560000
118	cg01607625	-0.1293	0.0540	-2.3941	0.0174	0.3560000
113	cg27166921	-0.1089	0.0457	-2.3855	0.0178	0.3560000

	names	Estimate	Std.Error	t.statistic	p.value	FDR
78	cg24280832	-0.0719	0.0310	-2.3204	0.0211	0.3617143
100	cg05227616	-0.0811	0.0383	-2.1149	0.0355	0.5325000
9	cg09473264	-0.0639	0.0319	-1.9996	0.0467	0.5378182
81	cg07226718	-0.1033	0.0519	-1.9920	0.0475	0.5378182

[[4]]

Table 40: Top10 CpGs from 120 for FFA_IPV3 of Female log10 by p.value (Sample Size = 237)

	names	Estimate	Std.Error	t.statistic	p.value	FDR
9	cg09473264	-0.1372	0.0565	-2.4274	0.0160	0.7950000
65	cg09461851	0.1977	0.0860	2.2975	0.0225	0.7950000
93	cg00798281	-0.1250	0.0555	-2.2531	0.0252	0.7950000
101	cg22946159	0.2346	0.1050	2.2341	0.0265	0.7950000
114	cg17217478	0.0405	0.0207	1.9588	0.0514	0.8885333
107	cg15115757	0.0451	0.0238	1.8919	0.0598	0.8885333
79	cg06407657	0.1096	0.0607	1.8071	0.0721	0.8885333
120	cg14801692	-0.0624	0.0349	-1.7882	0.0751	0.8885333
17	cg01816336	0.1655	0.0938	1.7648	0.0790	0.8885333
61	cg06243084	0.1687	0.0975	1.7311	0.0848	0.8885333

[[5]]

Table 41: Top10 CpGs from 120 for Gluc_IPV3 of Female log10 by p.value (Sample Size = 263)

	names	Estimate	Std.Error	t.statistic	p.value	FDR
94	cg05888037	-0.1581	0.0617	-2.5634	0.0110	0.7620000
5	cg26724375	-0.0689	0.0300	-2.2927	0.0227	0.7620000
82	cg06230206	-0.0553	0.0245	-2.2586	0.0248	0.7620000
110	cg27535677	0.0459	0.0204	2.2495	0.0254	0.7620000
10	cg13699963	-0.0851	0.0416	-2.0464	0.0418	0.7905000
51	cg21209948	0.0483	0.0244	1.9752	0.0493	0.7905000
75	cg13652281	0.0968	0.0493	1.9644	0.0506	0.7905000
48	cg19708901	0.0715	0.0367	1.9470	0.0527	0.7905000
13	cg03991871	-0.0372	0.0199	-1.8658	0.0632	0.8426667
78	cg24280832	0.0382	0.0222	1.7192	0.0868	0.9585882

[[6]]

Table 42: Top10 CpGs from 120 for HDL_IPV3 of Female log10 by p.value (Sample Size = 242)

	names	Estimate	Std.Error	t.statistic	p.value	FDR
111	cg09630142	-0.0839	0.0316	-2.6515	0.0086	0.3685714
38	cg07716131	-0.1327	0.0507	-2.6149	0.0095	0.3685714
16	cg27258399	-0.0604	0.0237	-2.5461	0.0116	0.3685714

	names	Estimate	Std.Error	t.statistic	p.value	FDR
100	cg05227616	-0.0942	0.0374	-2.5210	0.0124	0.3685714
41	cg03604367	0.0913	0.0378	2.4148	0.0165	0.3685714
25	cg26381452	0.0400	0.0172	2.3239	0.0210	0.3685714
27	cg16659510	-0.1130	0.0488	-2.3147	0.0215	0.3685714
18	cg01541565	-0.0783	0.0347	-2.2555	0.0250	0.3750000
43	cg13771313	-0.0442	0.0203	-2.1842	0.0300	0.4000000
95	cg07638935	0.1370	0.0647	2.1186	0.0352	0.4224000

[[7]]

Table 43: Top10 CpGs from 120 for Insu_IPV3 of Female log10 by p.value (Sample Size = 255)

	names	Estimate	Std.Error	t.statistic	p.value	FDR
35	cg08743751	0.2928	0.0706	4.1470	0.0000	0.0000
40	cg19667731	-0.2844	0.0893	-3.1842	0.0016	0.0960
84	cg04061372	-0.0684	0.0251	-2.7190	0.0070	0.2760
119	cg09114153	0.1922	0.0744	2.5843	0.0103	0.2760
114	cg17217478	-0.0537	0.0219	-2.4560	0.0148	0.2760
30	cg23478547	-0.1117	0.0461	-2.4244	0.0161	0.2760
86	cg01969701	0.1360	0.0561	2.4246	0.0161	0.2760
94	cg05888037	-0.3696	0.1662	-2.2240	0.0271	0.4065
36	cg18373158	0.1232	0.0618	1.9945	0.0472	0.5760
16	cg27258399	0.0921	0.0463	1.9876	0.0480	0.5760

[[8]]

Table 44: Top10 CpGs from 120 for Trig_IPV3 of Female log10 by p.value (Sample Size = 252)

	names	Estimate	Std.Error	t.statistic	p.value	FDR
118	cg01607625	-0.2053	0.0865	-2.3747	0.0184	0.8023529
10	cg13699963	-0.2083	0.0939	-2.2175	0.0275	0.8023529
120	cg14801692	0.0655	0.0308	2.1289	0.0343	0.8023529
9	cg09473264	-0.1036	0.0511	-2.0277	0.0437	0.8023529
84	cg04061372	0.0423	0.0212	1.9952	0.0472	0.8023529
61	cg06243084	0.1681	0.0855	1.9667	0.0504	0.8023529
71	cg19711268	-0.0979	0.0512	-1.9135	0.0569	0.8023529
69	cg07105947	-0.0473	0.0258	-1.8342	0.0679	0.8023529
90	cg03989507	0.0976	0.0544	1.7944	0.0740	0.8023529
7	cg04523661	0.1275	0.0713	1.7871	0.0752	0.8023529

[[9]]

	names	Estimate	Std.Error	t.statistic	p.value	FDR

Table 45: Top10 CpGs from 120 for Leptin_actual_*ng_ml* of Female log10 by p.value (Sample Size = 226)

	names	Estimate	Std.Error	t.statistic	p.value	FDR
7	cg04523661	-0.4288	0.1297	-3.3065	0.0011	0.1320000
13	cg03991871	-0.2149	0.0803	-2.6745	0.0081	0.4860000
24	cg21261158	0.4504	0.1865	2.4144	0.0166	0.5400000
36	cg18373158	0.2249	0.0943	2.3833	0.0180	0.5400000
78	cg24280832	0.2090	0.0940	2.2224	0.0273	0.6411429
90	cg03989507	-0.2162	0.1015	-2.1299	0.0343	0.6411429
22	cg19529074	0.2851	0.1361	2.0946	0.0374	0.6411429
25	cg26381452	0.1038	0.0512	2.0275	0.0439	0.6585000
47	cg15486454	0.1817	0.0950	1.9135	0.0570	0.6924000
113	cg27166921	0.2592	0.1358	1.9082	0.0577	0.6924000