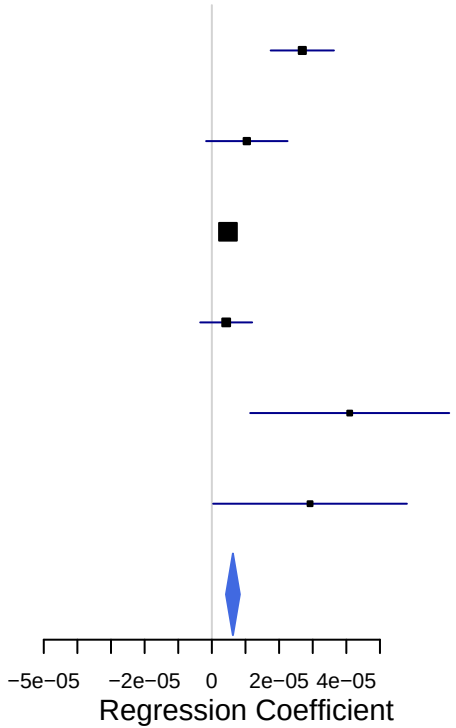
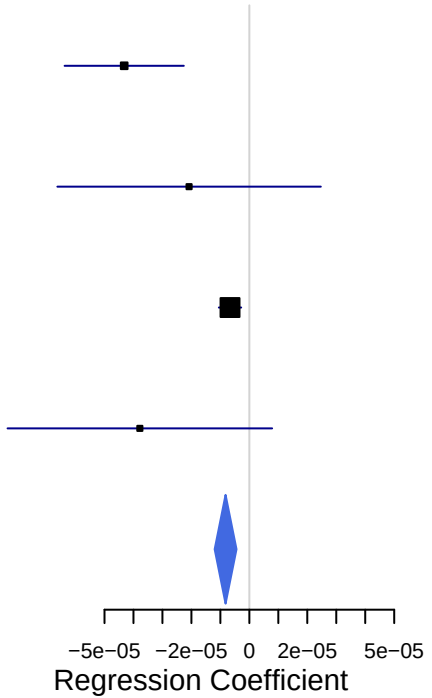
cg00213123 (P=2.19e−09)

Study	N	Beta (95% CI)	P
MOBA1	852	2.69e−05 (1.75e−05, 3.63e−05)	2.23e−08
MOBA2	183	1.04e−05 (−1.71e−06, 2.25e−05)	0.091
INMA	169	4.79e−06 (2.56e−06, 7.02e−06)	2.77e−05
ALSPAC	155	4.26e−06 (−3.46e−06, 1.2e−05)	0.28
DCHS450K	98	4.1e−05 (1.14e−05, 7.06e−05)	0.00665
DCHSEPIC	133	2.92e−05 (3.89e−07, 5.8e−05)	0.0469
Summary	**1590**	**6.26e−06 (4.21e−06, 8.31e−06)**	**2.19e−09**



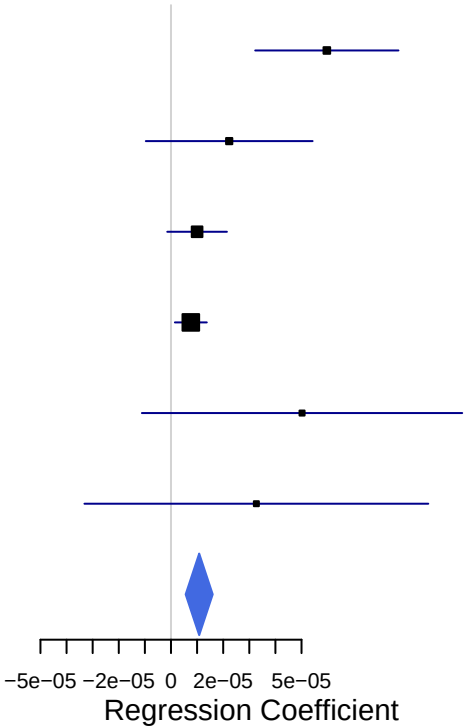
cg00709966 (P=1.99e−05)

Study	N	Beta (95% CI)	P
MOBA1	851	−4.32e−05 (−6.38e−05, −2.26e−05)	3.75e−05
MOBA2	183	−2.08e−05 (−6.63e−05, 2.47e−05)	0.37
ALSPAC	156	−6.67e−06 (−1.05e−05, −2.81e−06)	0.000719
DCHS450K	98	−3.78e−05 (−8.35e−05, 7.87e−06)	0.104
Summary	**1288**	**−8.2e−06 (−1.2e−05, −4.44e−06)**	**1.99e−05**



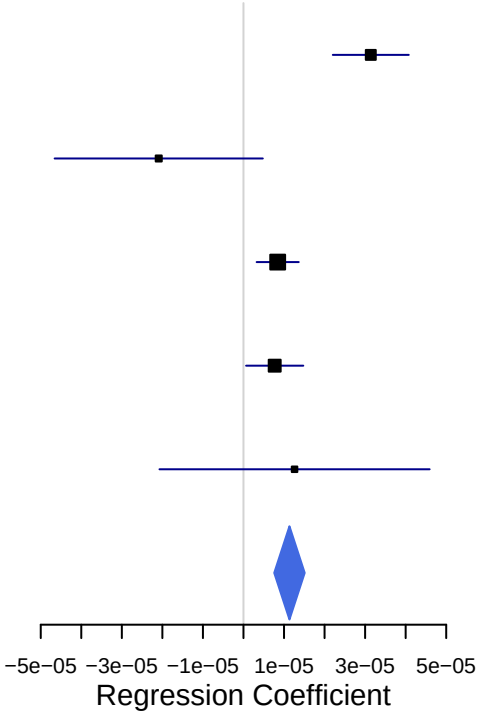
cg01952185 (P=4.44e−05)

Study	N	Beta (95% CI)	P
MOBA1	851	5.97e−05 (3.23e−05, 8.71e−05)	1.96e−05
MOBA2	183	2.23e−05 (−9.65e−06, 5.42e−05)	0.171
INMA	169	1e−05 (−1.43e−06, 2.14e−05)	0.0865
ALSPAC	156	7.6e−06 (1.48e−06, 1.37e−05)	0.0149
DCHS450K	98	5.02e−05 (−1.11e−05, 0.000112)	0.109
DCHSEPIC	133	3.27e−05 (−3.32e−05, 9.86e−05)	0.331
Summary	**1590**	**1.08e−05 (5.62e−06, 1.6e−05)**	**4.44e−05**



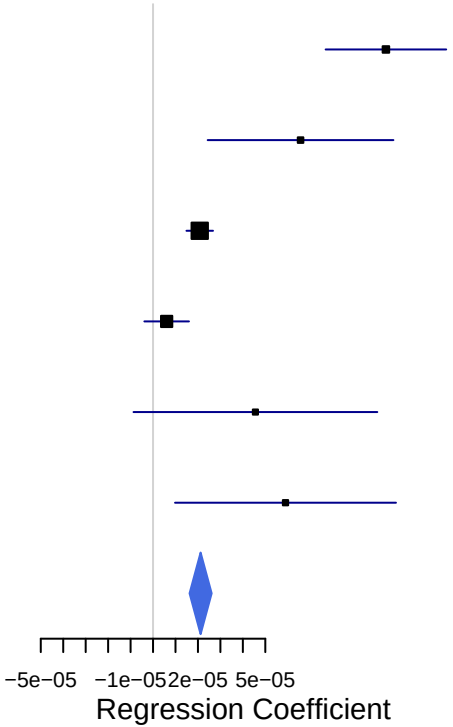
cg01970407 (P=3.18e−09)

Study	N	Beta (95% CI)	P
MOBA1	852	3.14e−05 (2.2e−05, 4.08e−05)	4.71e−11
MOBA2	183	−2.09e−05 (−4.66e−05, 4.78e−06)	0.11
INMA	169	8.44e−06 (3.25e−06, 1.36e−05)	0.00148
ALSPAC	155	7.7e−06 (6.44e−07, 1.48e−05)	0.0327
DCHSEPIC	133	1.26e−05 (−2.07e−05, 4.59e−05)	0.459
Summary	**1492**	**1.13e−05 (7.59e−06, 1.51e−05)**	**3.18e−09**



cg04180046 (P=2.88e−17)

Study	N	Beta (95% CI)	P
MOBA1	852	0.000104 (7.69e−05, 0.000131)	3.53e−14
MOBA2	183	6.57e−05 (2.43e−05, 0.000107)	0.00184
INMA	169	2.08e−05 (1.49e−05, 2.67e−05)	5.66e−12
ALSPAC	156	6.07e−06 (−3.87e−06, 1.6e−05)	0.231
DCHS450K	98	4.56e−05 (−8.69e−06, 9.99e−05)	0.1
DCHSEPIC	133	5.9e−05 (9.8e−06, 0.000108)	0.019
Summary	**1591**	**2.12e−05 (1.63e−05, 2.61e−05)**	**2.88e−17**

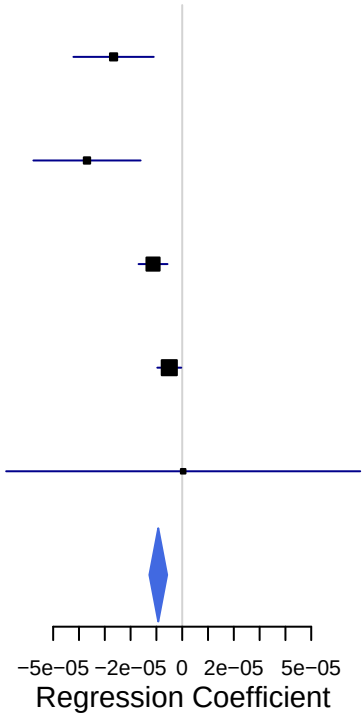


cg04359840 (P=2.32e−05)

Study	N	Beta (95% CI)	P
MOBA1	852	−3.26e−05 (−4.67e−05, −1.85e−05)	5.7e−06
MOBA2	183	−2.55e−05 (−4.63e−05, −4.72e−06)	0.0163
INMA	169	−7.88e−06 (−1.32e−05, −2.53e−06)	0.00384
ALSPAC	156	−1.32e−06 (−8.51e−06, 5.87e−06)	0.719
DCHS450K	98	−3.86e−05 (−7.96e−05, 2.36e−06)	0.0648
DCHSEPIC	133	8.57e−06 (−3.04e−05, 4.76e−05)	0.667
Summary	**1591**	**−8.61e−06 (−1.26e−05, −4.62e−06)**	**2.32e−05**

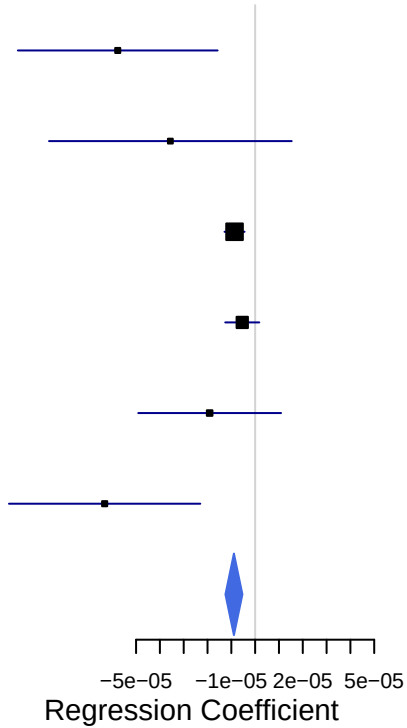
cg04452195 (P=1.18e−07)

Study	N	Beta (95% CI)	P
MOBA1	852	−2.66e−05 (−4.22e−05, −1.1e−05)	0.000792
MOBA2	183	−3.69e−05 (−5.77e−05, −1.61e−05)	0.000524
INMA	169	−1.13e−05 (−1.69e−05, −5.69e−06)	7.64e−05
ALSPAC	155	−5.01e−06 (−9.66e−06, −3.65e−07)	0.034
DCHS450K	98	3.76e−07 (−6.82e−05, 6.9e−05)	0.991
Summary	**1457**	**−9.28e−06 (−1.27e−05, −5.84e−06)**	**1.18e−07**



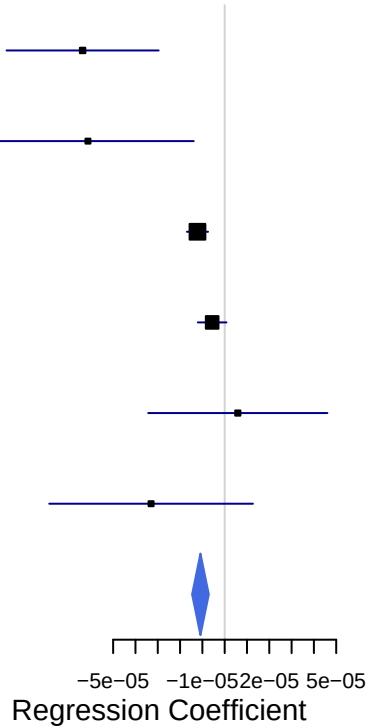
cg04535902 (P=9.9e−07)

Study	N	Beta (95% CI)	P
MOBA1	850	−5.77e−05 (−9.96e−05, −1.58e−05)	0.00707
MOBA2	183	−3.56e−05 (−8.66e−05, 1.54e−05)	0.171
INMA	169	−8.65e−06 (−1.29e−05, −4.44e−06)	5.91e−05
ALSPAC	151	−5.41e−06 (−1.26e−05, 1.74e−06)	0.138
DCHS450K	98	−1.91e−05 (−4.91e−05, 1.09e−05)	0.213
DCHSEPIC	133	−6.32e−05 (−0.000103, −2.3e−05)	0.00205
Summary	**1584**	**−8.91e−06 (−1.25e−05, −5.34e−06)**	**9.9e−07**



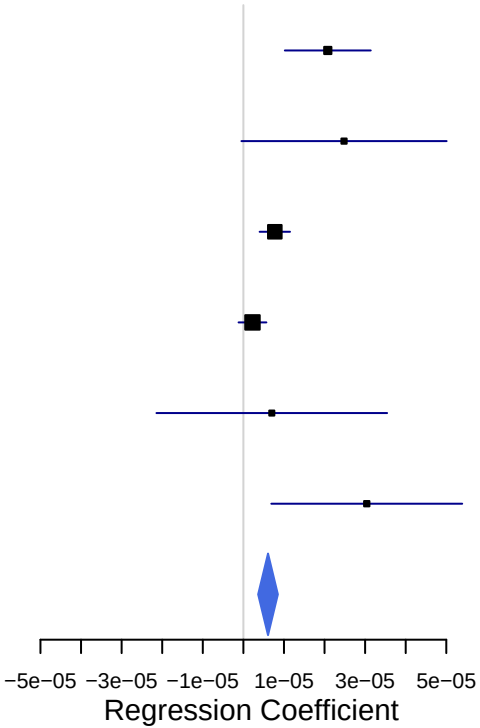
cg04598670 (P=1.36e−08)

Study	N	Beta (95% CI)	P
MOBA1	851	−6.37e−05 (−9.78e−05, −2.96e−05)	0.000246
MOBA2	183	−6.13e−05 (−0.000109, −1.39e−05)	0.0113
INMA	169	−1.22e−05 (−1.69e−05, −7.46e−06)	4.55e−07
ALSPAC	156	−5.61e−06 (−1.2e−05, 7.99e−07)	0.0863
DCHS450K	98	5.88e−06 (−3.43e−05, 4.61e−05)	0.774
DCHSEPIC	133	−3.3e−05 (−7.87e−05, 1.27e−05)	0.155
Summary	**1590**	**−1.09e−05 (−1.46e−05, −7.11e−06)**	**1.36e−08**



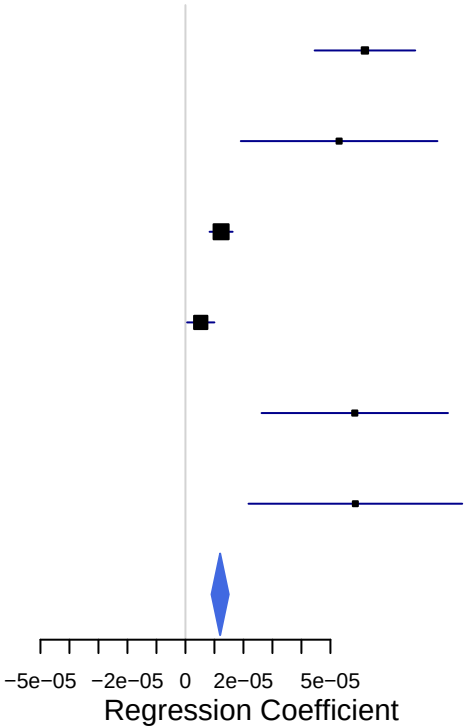
cg04706327 (P=9.34e−07)

Study	N	Beta (95% CI)	P
MOBA1	852	2.08e−05 (1.02e−05, 3.14e−05)	0.000119
MOBA2	183	2.48e−05 (−4.84e−07, 5.01e−05)	0.0538
INMA	169	7.75e−06 (4.01e−06, 1.15e−05)	4.75e−05
ALSPAC	155	2.24e−06 (−1.19e−06, 5.67e−06)	0.201
DCHS450K	98	7e−06 (−2.14e−05, 3.54e−05)	0.628
DCHSEPIC	133	3.04e−05 (6.88e−06, 5.39e−05)	0.0113
Summary	**1590**	**6.07e−06 (3.65e−06, 8.5e−06)**	**9.34e−07**



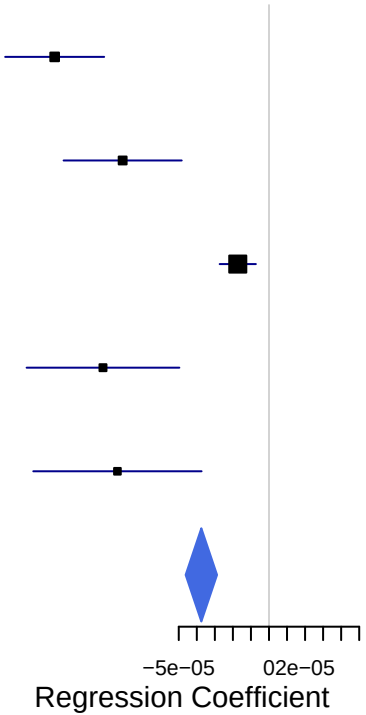
cg05549655 (P=2.25e−15)

Study	N	Beta (95% CI)	P
MOBA1	852	6.19e−05 (4.46e−05, 7.92e−05)	2.84e−12
MOBA2	183	5.3e−05 (1.91e−05, 8.69e−05)	0.00215
INMA	169	1.23e−05 (8.32e−06, 1.63e−05)	1.26e−09
ALSPAC	156	5.28e−06 (5.76e−07, 9.98e−06)	0.0277
DCHS450K	98	5.84e−05 (2.63e−05, 9.05e−05)	0.000362
DCHSEPIC	133	5.86e−05 (2.18e−05, 9.54e−05)	0.00182
Summary	**1591**	**1.2e−05 (9.01e−06, 1.49e−05)**	**2.25e−15**



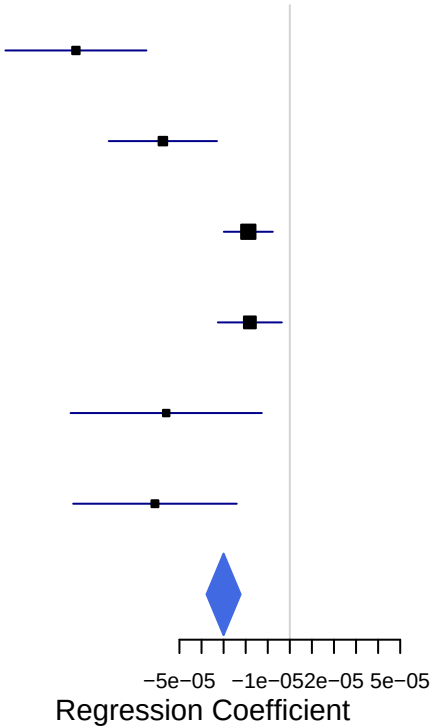
cg05575921 (P=3.05e−17)

Study	N	Beta (95% CI)	P
MOBA1	846	−0.000119 (−0.000146, −9.13e−05)	2.43e−17
MOBA2	182	−8.11e−05 (−0.000114, −4.84e−05)	1.19e−06
ALSPAC	156	−1.73e−05 (−2.73e−05, −7.26e−06)	0.00071
DCHS450K	98	−9.2e−05 (−0.000134, −4.97e−05)	2.11e−05
DCHSEPIC	133	−8.4e−05 (−0.000131, −3.74e−05)	0.000425
Summary	**1415**	**−3.75e−05 (−4.62e−05, −2.88e−05)**	**3.05e−17**



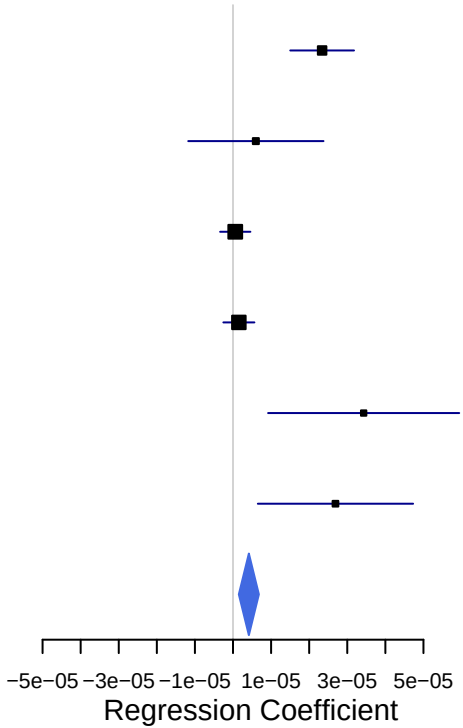
cg06338710 (P=2.47e−14)

Study	N	Beta (95% CI)	P
MOBA1	795	−9.69e−05 (−0.000129, −6.5e−05)	2.63e−09
MOBA2	173	−5.75e−05 (−8.2e−05, −3.3e−05)	3.93e−06
INMA	169	−1.88e−05 (−2.99e−05, −7.71e−06)	0.000908
ALSPAC	156	−1.81e−05 (−3.26e−05, −3.62e−06)	0.0144
DCHS450K	98	−5.6e−05 (−9.93e−05, −1.27e−05)	0.0113
DCHSEPIC	133	−6.11e−05 (−9.81e−05, −2.41e−05)	0.00124
Summary	**1524**	**−3e−05 (−3.77e−05, −2.23e−05)**	**2.47e−14**



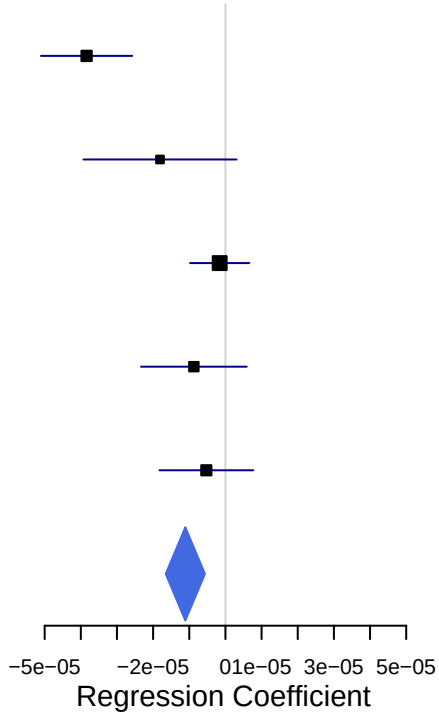
cg06686709 (P=0.00191)

Study	N	Beta (95% CI)	P
MOBA1	850	2.34e−05 (1.5e−05, 3.18e−05)	3.87e−08
MOBA2	183	6e−06 (−1.18e−05, 2.38e−05)	0.508
INMA	169	5.93e−07 (−3.39e−06, 4.57e−06)	0.77
ALSPAC	155	1.54e−06 (−2.54e−06, 5.62e−06)	0.458
DCHS450K	98	3.43e−05 (9.21e−06, 5.94e−05)	0.00723
DCHSEPIC	133	2.69e−05 (6.52e−06, 4.73e−05)	0.00996
Summary	**1588**	**4.16e−06 (1.53e−06, 6.79e−06)**	**0.00191**



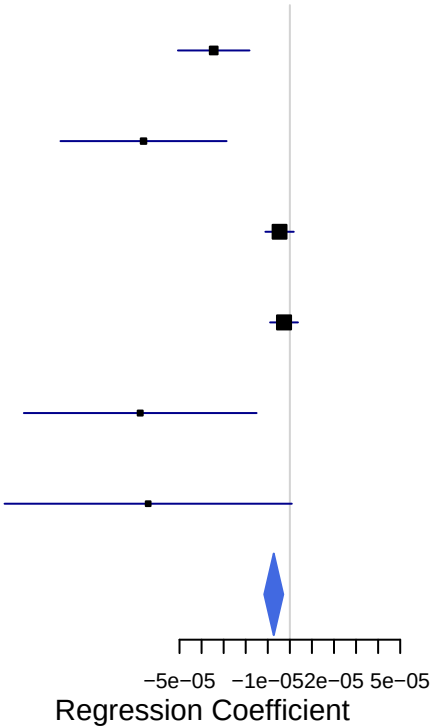
cg07339236 (P=6.1e−05)

Study	N	Beta (95% CI)	P
MOBA1	850	−3.84e−05 (−5.1e−05, −2.58e−05)	2.57e−09
MOBA2	181	−1.81e−05 (−3.93e−05, 3.07e−06)	0.0941
ALSPAC	153	−1.59e−06 (−9.78e−06, 6.6e−06)	0.704
DCHS450K	98	−8.73e−06 (−2.34e−05, 5.89e−06)	0.241
DCHSEPIC	133	−5.28e−06 (−1.83e−05, 7.69e−06)	0.425
Summary	**1415**	**−1.11e−05 (−1.65e−05, −5.67e−06)**	**6.1e−05**



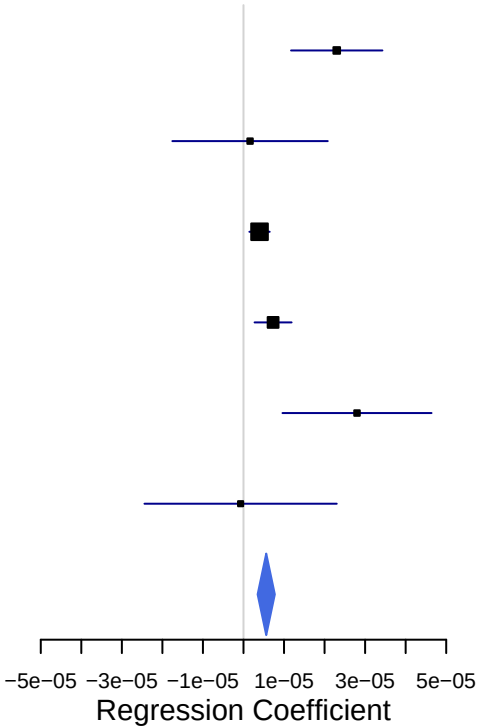
cg07738730 (P=0.000858)

Study	N	Beta (95% CI)	P
MOBA1	852	−3.45e−05 (−5.07e−05, −1.83e−05)	3.11e−05
MOBA2	183	−6.63e−05 (−0.000104, −2.87e−05)	0.000551
INMA	169	−4.66e−06 (−1.11e−05, 1.77e−06)	0.156
ALSPAC	156	−2.64e−06 (−8.95e−06, 3.67e−06)	0.411
DCHS450K	98	−6.78e−05 (−0.000121, −1.51e−05)	0.0117
DCHSEPIC	133	−6.42e−05 (−0.000129, 8.71e−07)	0.053
Summary	**1591**	**−7.29e−06 (−1.16e−05, −3e−06)**	**0.000858**



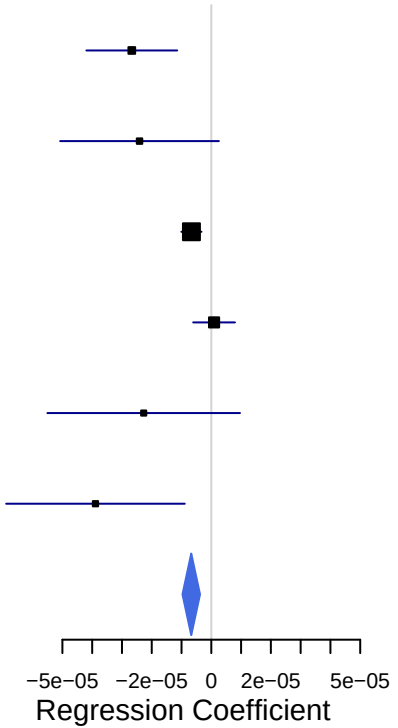
cg08142858 (P=2.19e−07)

Study	N	Beta (95% CI)	P
MOBA1	852	2.3e−05 (1.17e−05, 3.43e−05)	6.44e−05
MOBA2	183	1.62e−06 (−1.75e−05, 2.08e−05)	0.868
INMA	169	3.96e−06 (1.45e−06, 6.47e−06)	0.00198
ALSPAC	156	7.3e−06 (2.73e−06, 1.19e−05)	0.00171
DCHS450K	98	2.8e−05 (9.62e−06, 4.64e−05)	0.00283
DCHSEPIC	133	−7.12e−07 (−2.44e−05, 2.3e−05)	0.953
Summary	**1591**	**5.61e−06 (3.49e−06, 7.73e−06)**	**2.19e−07**



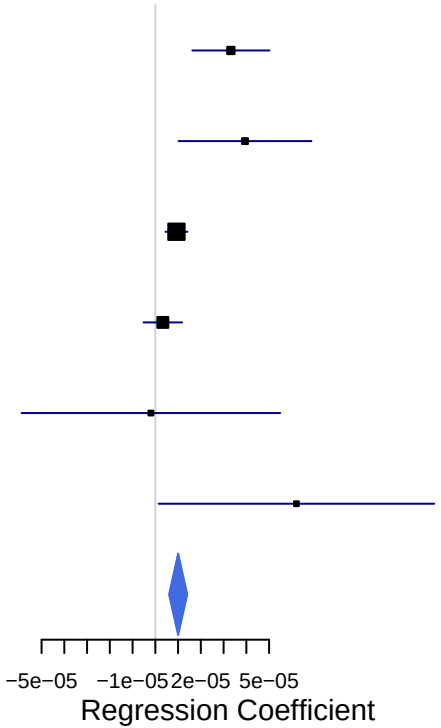
cg09006487 (P=7.53e−06)

Study	N	Beta (95% CI)	P
MOBA1	852	−2.67e−05 (−4.19e−05, −1.15e−05)	0.000608
MOBA2	183	−2.41e−05 (−5.08e−05, 2.56e−06)	0.0762
INMA	169	−6.67e−06 (−1.01e−05, −3.28e−06)	0.000117
ALSPAC	156	9.27e−07 (−6.09e−06, 7.94e−06)	0.796
DCHS450K	98	−2.27e−05 (−5.5e−05, 9.64e−06)	0.169
DCHSEPIC	133	−3.89e−05 (−6.89e−05, −8.91e−06)	0.0113
Summary	**1591**	**−6.74e−06 (−9.68e−06, −3.79e−06)**	**7.53e−06**



cg09367901 (P=8.85e−07)

Study	N	Beta (95% CI)	P
MOBA1	850	3.32e−05 (1.63e−05, 5.01e−05)	0.000119
MOBA2	183	3.94e−05 (1.02e−05, 6.86e−05)	0.00834
INMA	169	9.29e−06 (4.49e−06, 1.41e−05)	0.000146
ALSPAC	156	3.3e−06 (−5.19e−06, 1.18e−05)	0.446
DCHS450K	98	−1.94e−06 (−5.88e−05, 5.49e−05)	0.947
DCHSEPIC	133	6.2e−05 (1.44e−06, 0.000123)	0.0448
Summary	**1589**	**1e−05 (6.03e−06, 1.4e−05)**	**8.85e−07**

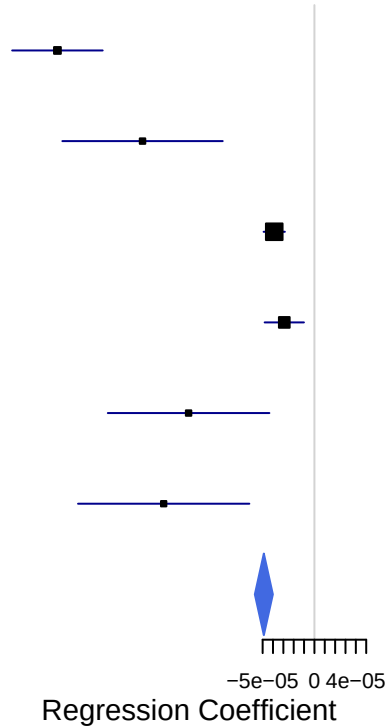


cg09662411 (P=1.24e−16)

Study	N	Beta (95% CI)	P
MOBA1	851	−0.000147 (−0.000183, −0.000111)	8.41e−16
MOBA2	179	−8.9e−05 (−0.000133, −4.55e−05)	5.95e−05
INMA	169	−2.39e−05 (−3.32e−05, −1.46e−05)	4.87e−07
ALSPAC	156	−1.34e−05 (−2.34e−05, −3.4e−06)	0.00865
DCHS450K	98	−8.2e−05 (−0.000135, −2.91e−05)	0.00241
DCHSEPIC	133	−8.99e−05 (−0.000132, −4.78e−05)	2.79e−05
Summary	**1586**	**−2.74e−05 (−3.39e−05, −2.09e−05)**	**1.24e−16**

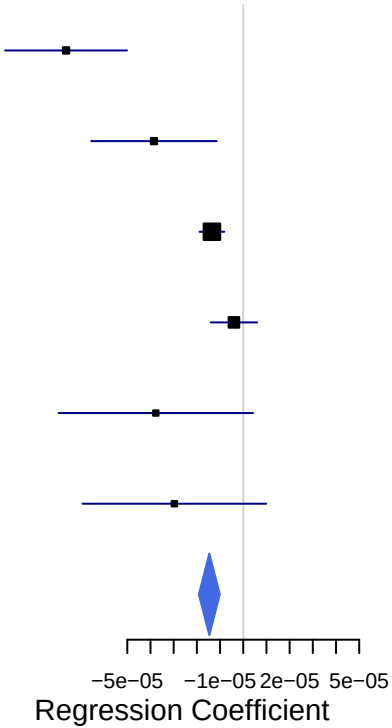
cg09935388 (P=3.01e−28)

Study	N	Beta (95% CI)	P
MOBA1	852	−0.000248 (−0.000292, −0.000204)	9.32e−29
MOBA2	182	−0.000166 (−0.000243, −8.86e−05)	2.59e−05
INMA	169	−3.88e−05 (−4.91e−05, −2.85e−05)	1.32e−13
ALSPAC	156	−2.91e−05 (−4.81e−05, −1.01e−05)	0.00266
DCHS450K	98	−0.000121 (−0.000199, −4.35e−05)	0.00227
DCHSEPIC	133	−0.000146 (−0.000228, −6.28e−05)	0.000562
Summary	**1590**	**−4.88e−05 (−5.75e−05, −4.02e−05)**	**3.01e−28**



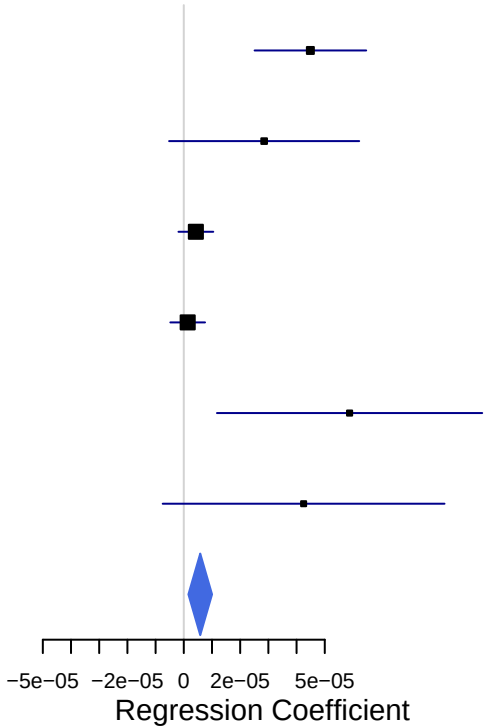
cg10399789 (P=2.31e−10)

Study	N	Beta (95% CI)	P
MOBA1	794	−7.64e−05 (−0.000103, −5.01e−05)	1.08e−08
MOBA2	176	−3.85e−05 (−6.55e−05, −1.15e−05)	0.00522
INMA	169	−1.35e−05 (−1.89e−05, −8.15e−06)	7.95e−07
ALSPAC	155	−4.02e−06 (−1.4e−05, 6e−06)	0.432
DCHS450K	98	−3.77e−05 (−7.96e−05, 4.24e−06)	0.0777
DCHSEPIC	133	−2.97e−05 (−6.93e−05, 9.89e−06)	0.141
Summary	**1525**	**−1.46e−05 (−1.91e−05, −1.01e−05)**	**2.31e−10**



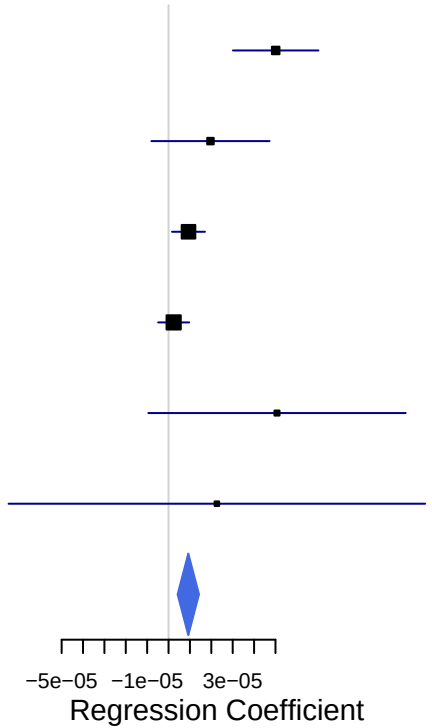
cg10673740 (P=0.00639)

Study	N	Beta (95% CI)	P
MOBA1	852	4.49e−05 (2.51e−05, 6.47e−05)	9.43e−06
MOBA2	183	2.85e−05 (−5.21e−06, 6.22e−05)	0.0987
INMA	169	4.28e−06 (−1.89e−06, 1.05e−05)	0.174
ALSPAC	156	1.38e−06 (−4.77e−06, 7.53e−06)	0.66
DCHS450K	98	5.88e−05 (1.18e−05, 0.000106)	0.0143
DCHSEPIC	133	4.25e−05 (−7.48e−06, 9.25e−05)	0.0962
Summary	**1591**	**5.83e−06 (1.64e−06, 1e−05)**	**0.00639**



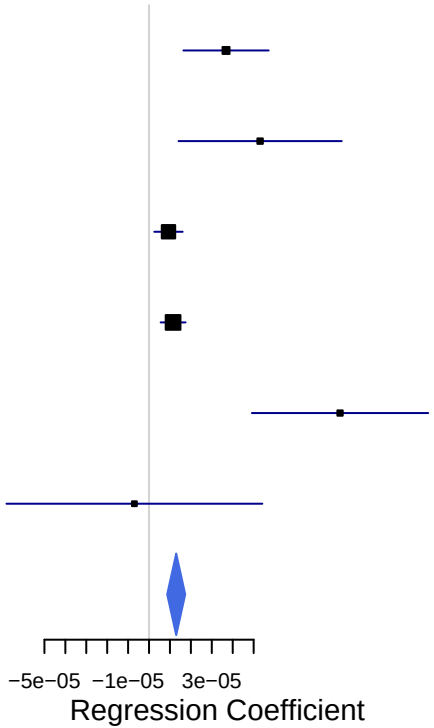
cg11429111 (P=0.00029)

Study	N	Beta (95% CI)	P
MOBA1	852	5.01e−05 (3.01e−05, 7.01e−05)	8.14e−07
MOBA2	183	1.96e−05 (−8.04e−06, 4.72e−05)	0.163
INMA	169	9.33e−06 (1.63e−06, 1.7e−05)	0.0177
ALSPAC	156	2.39e−06 (−4.86e−06, 9.64e−06)	0.519
DCHS450K	98	5.07e−05 (−9.47e−06, 0.000111)	0.0981
DCHSEPIC	133	2.26e−05 (−7.48e−05, 0.00012)	0.649
Summary	**1591**	**9.24e−06 (4.24e−06, 1.42e−05)**	**0.00029**



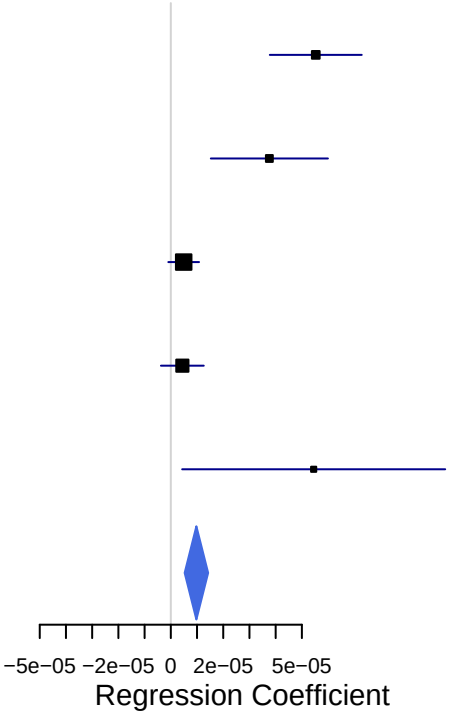
cg11641006 (P=3.47e−09)

Study	N	Beta (95% CI)	P
MOBA1	852	3.68e−05 (1.64e−05, 5.72e−05)	0.000419
MOBA2	183	5.31e−05 (1.41e−05, 9.21e−05)	0.00773
INMA	169	9.3e−06 (2.52e−06, 1.61e−05)	0.00717
ALSPAC	156	1.15e−05 (5.54e−06, 1.75e−05)	0.000164
DCHS450K	98	9.13e−05 (4.92e−05, 0.000133)	2.18e−05
DCHSEPIC	133	−7e−06 (−6.82e−05, 5.42e−05)	0.823
Summary	**1591**	**1.3e−05 (8.68e−06, 1.73e−05)**	**3.47e−09**



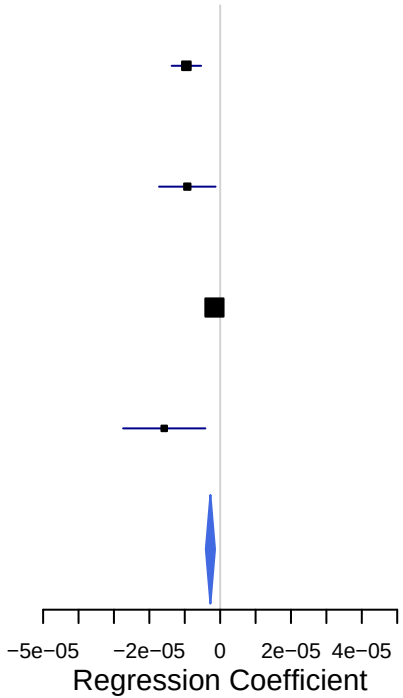
cg11813497 (P=1.98e−05)

Study	N	Beta (95% CI)	P
MOBA1	851	5.53e−05 (3.78e−05, 7.28e−05)	6.61e−10
MOBA2	183	3.76e−05 (1.53e−05, 5.99e−05)	0.000993
INMA	169	4.91e−06 (−9.5e−07, 1.08e−05)	0.101
ALSPAC	156	4.4e−06 (−3.77e−06, 1.26e−05)	0.291
DCHSEPIC	133	5.45e−05 (4.32e−06, 0.000105)	0.0329
Summary	**1492**	**9.76e−06 (5.28e−06, 1.42e−05)**	**1.98e−05**



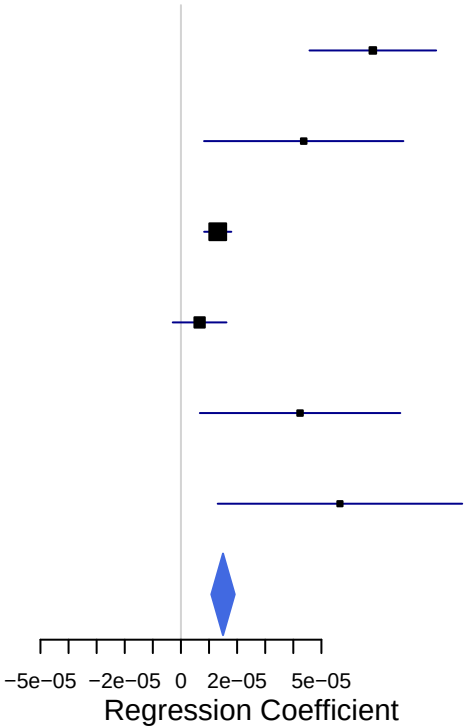
cg11902777 (P=2.97e−05)

Study	N	Beta (95% CI)	P
MOBA1	850	−9.54e−06 (−1.37e−05, −5.38e−06)	6.66e−06
MOBA2	183	−9.28e−06 (−1.73e−05, −1.3e−06)	0.0225
ALSPAC	155	−1.61e−06 (−3e−06, −2.18e−07)	0.0231
DCHSEPIC	133	−1.58e−05 (−2.74e−05, −4.18e−06)	0.00773
Summary	**1321**	**−2.76e−06 (−4.05e−06, −1.46e−06)**	**2.97e−05**



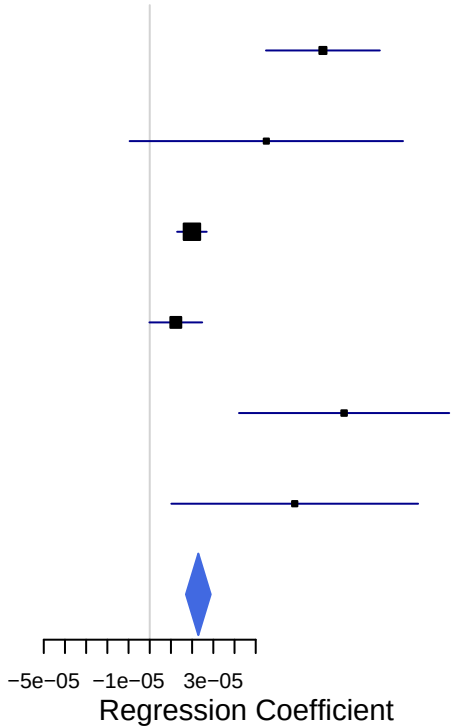
cg11924019 (P=1.77e−12)

Study	N	Beta (95% CI)	P
MOBA1	852	6.83e−05 (4.58e−05, 9.08e−05)	2.48e−09
MOBA2	183	4.37e−05 (8.22e−06, 7.92e−05)	0.0155
INMA	169	1.31e−05 (8.26e−06, 1.79e−05)	1.08e−07
ALSPAC	156	6.65e−06 (−2.91e−06, 1.62e−05)	0.173
DCHS450K	98	4.24e−05 (6.73e−06, 7.81e−05)	0.0197
DCHSEPIC	133	5.66e−05 (1.31e−05, 1e−04)	0.0108
Summary	**1591**	**1.5e−05 (1.08e−05, 1.91e−05)**	**1.77e−12**



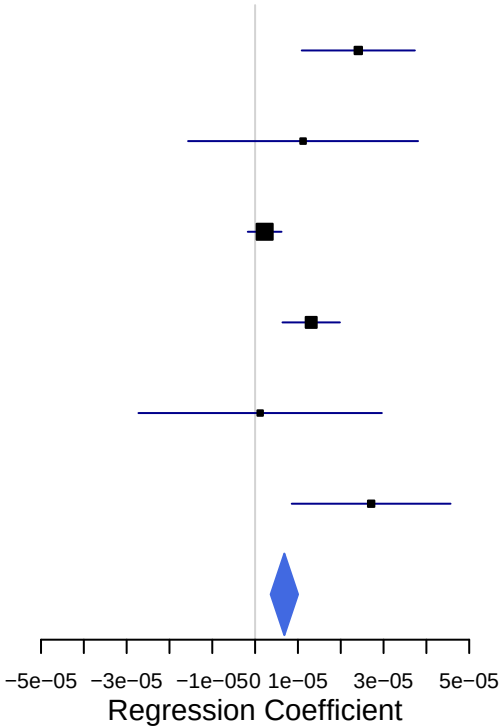
cg12101586 (P=1.43e−14)

Study	N	Beta (95% CI)	P
MOBA1	852	8.17e−05 (5.48e−05, 0.000109)	2.23e−09
MOBA2	183	5.5e−05 (−9.48e−06, 0.000119)	0.0949
INMA	169	1.99e−05 (1.29e−05, 2.69e−05)	2.52e−08
ALSPAC	156	1.23e−05 (−1.46e−07, 2.47e−05)	0.0528
DCHS450K	98	9.17e−05 (4.21e−05, 0.000141)	0.000285
DCHSEPIC	133	6.84e−05 (1.02e−05, 0.000127)	0.0211
Summary	**1591**	**2.29e−05 (1.71e−05, 2.88e−05)**	**1.43e−14**



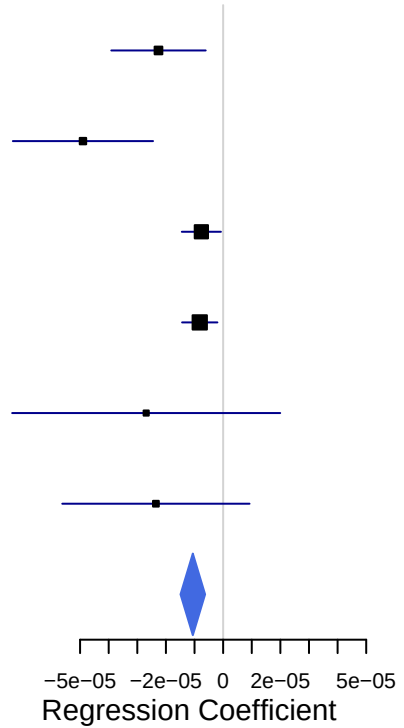
cg12161935 (P=2.78e−05)

Study	N	Beta (95% CI)	P
MOBA1	850	2.41e−05 (1.09e−05, 3.73e−05)	0.000349
MOBA2	183	1.12e−05 (−1.57e−05, 3.81e−05)	0.413
INMA	169	2.23e−06 (−1.71e−06, 6.17e−06)	0.266
ALSPAC	153	1.31e−05 (6.4e−06, 1.98e−05)	0.000121
DCHS450K	96	1.18e−06 (−2.72e−05, 2.96e−05)	0.935
DCHSEPIC	133	2.71e−05 (8.56e−06, 4.56e−05)	0.00418
Summary	**1584**	**6.83e−06 (3.64e−06, 1e−05)**	**2.78e−05**



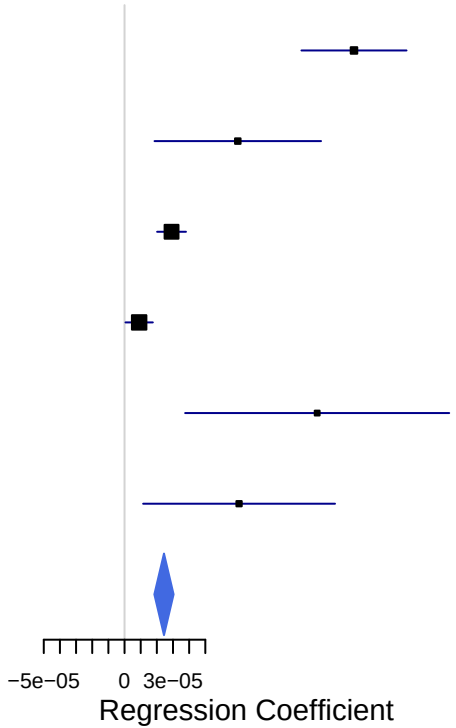
cg12798040 (P=1.27e−06)

Study	N	Beta (95% CI)	P
MOBA1	852	−2.26e−05 (−3.91e−05, −6.1e−06)	0.00733
MOBA2	183	−4.9e−05 (−7.35e−05, −2.45e−05)	8.65e−05
INMA	169	−7.61e−06 (−1.45e−05, −7.7e−07)	0.0292
ALSPAC	156	−8.18e−06 (−1.44e−05, −2.01e−06)	0.00932
DCHS450K	98	−2.69e−05 (−7.37e−05, 1.99e−05)	0.261
DCHSEPIC	133	−2.35e−05 (−5.62e−05, 9.23e−06)	0.16
Summary	**1591**	**−1.06e−05 (−1.49e−05, −6.31e−06)**	**1.27e−06**



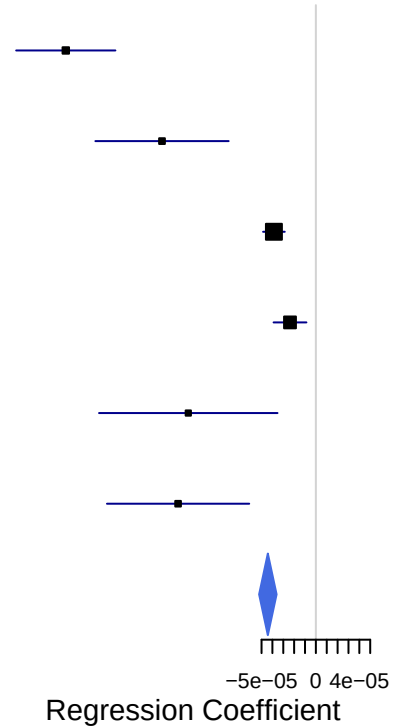
cg12803068 (P=9.05e−16)

Study	N	Beta (95% CI)	P
MOBA1	852	0.000142 (0.000109, 0.000175)	9.85e−18
MOBA2	183	7.01e−05 (1.86e−05, 0.000122)	0.00774
INMA	169	2.91e−05 (2.02e−05, 3.8e−05)	1.69e−10
ALSPAC	156	9.05e−06 (5.83e−07, 1.75e−05)	0.0364
DCHS450K	98	0.000119 (3.75e−05, 0.000201)	0.00428
DCHSEPIC	133	7.09e−05 (1.15e−05, 0.00013)	0.0192
Summary	**1591**	**2.44e−05 (1.85e−05, 3.04e−05)**	**9.05e−16**



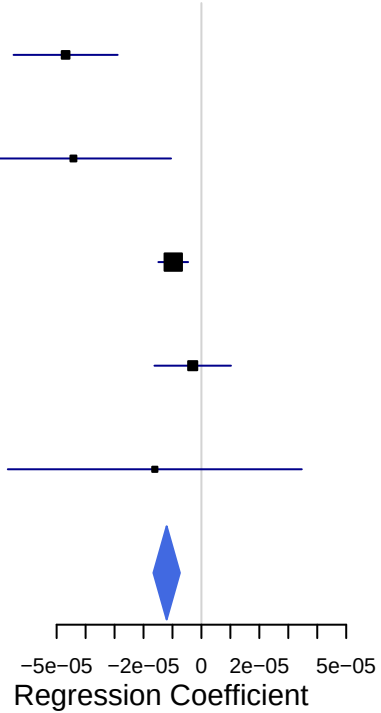
cg12876356 (P=3.97e−27)

Study	N	Beta (95% CI)	P
MOBA1	850	−0.00023 (−0.000276, −0.000184)	6.3e−23
MOBA2	182	−0.000142 (−0.000203, −8.02e−05)	6.26e−06
INMA	169	−3.86e−05 (−4.86e−05, −2.86e−05)	3.64e−14
ALSPAC	156	−2.38e−05 (−3.89e−05, −8.69e−06)	0.00199
DCHS450K	98	−0.000117 (−2e−04, −3.53e−05)	0.00505
DCHSEPIC	133	−0.000127 (−0.000192, −6.13e−05)	0.000146
Summary	**1588**	**−4.42e−05 (−5.22e−05, −3.62e−05)**	**3.97e−27**



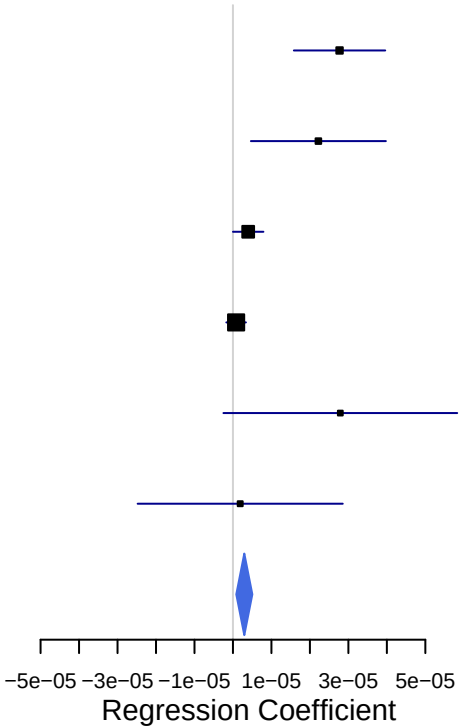
cg13279811 (P=2.51e−07)

Study	N	Beta (95% CI)	P
MOBA1	852	−4.69e−05 (−6.49e−05, −2.89e−05)	3.22e−07
MOBA2	183	−4.42e−05 (−7.79e−05, −1.05e−05)	0.0103
INMA	169	−9.73e−06 (−1.49e−05, −4.59e−06)	0.000199
ALSPAC	156	−3.01e−06 (−1.62e−05, 1.02e−05)	0.655
DCHSEPIC	133	−1.61e−05 (−6.69e−05, 3.47e−05)	0.534
Summary	**1493**	**−1.2e−05 (−1.66e−05, −7.44e−06)**	**2.51e−07**



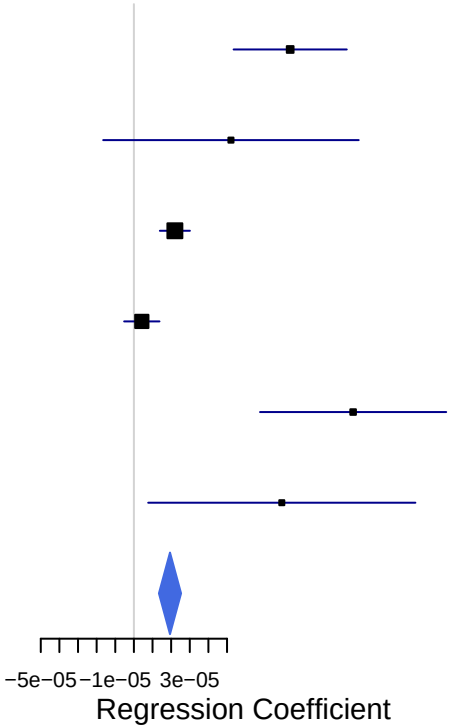
cg13547053 (P=0.00549)

Study	N	Beta (95% CI)	P
MOBA1	852	2.77e−05 (1.58e−05, 3.96e−05)	4.83e−06
MOBA2	183	2.22e−05 (4.66e−06, 3.97e−05)	0.0132
INMA	169	3.96e−06 (8.73e−10, 7.92e−06)	0.0505
ALSPAC	155	8.21e−07 (−1.73e−06, 3.37e−06)	0.528
DCHS450K	98	2.79e−05 (−2.48e−06, 5.83e−05)	0.0724
DCHSEPIC	133	1.88e−06 (−2.48e−05, 2.85e−05)	0.89
Summary	**1590**	**2.95e−06 (8.68e−07, 5.03e−06)**	**0.00549**



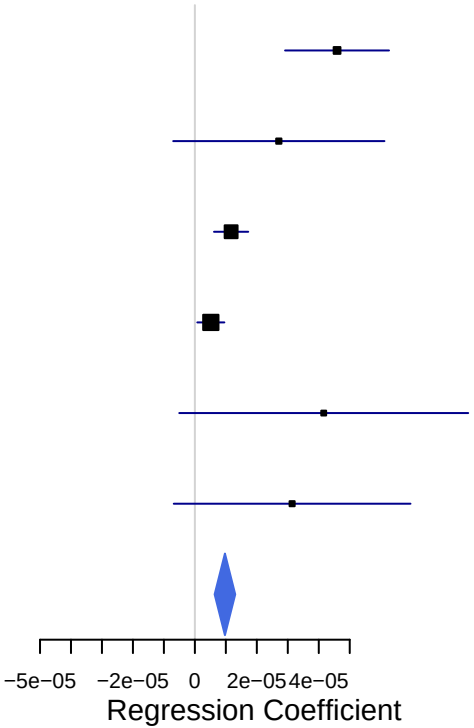
cg13570656 (P=1.62e−10)

Study	N	Beta (95% CI)	P
MOBA1	850	8.39e−05 (5.35e−05, 0.000114)	6.59e−08
MOBA2	183	5.21e−05 (−1.65e−05, 0.000121)	0.136
INMA	169	2.2e−05 (1.39e−05, 3.01e−05)	8.88e−08
ALSPAC	156	4.25e−06 (−5.24e−06, 1.37e−05)	0.38
DCHS450K	98	0.000118 (6.77e−05, 0.000168)	3.87e−06
DCHSEPIC	133	7.94e−05 (7.67e−06, 0.000151)	0.0301
Summary	**1589**	**1.94e−05 (1.34e−05, 2.53e−05)**	**1.62e−10**



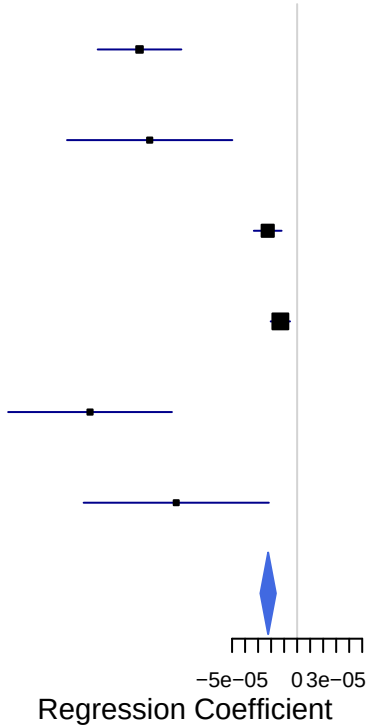
cg13834112 (P=1.03e−08)

Study	N	Beta (95% CI)	P
MOBA1	851	4.59e−05 (2.91e−05, 6.27e−05)	8.16e−08
MOBA2	183	2.71e−05 (−7e−06, 6.12e−05)	0.119
INMA	169	1.17e−05 (6.17e−06, 1.72e−05)	3.51e−05
ALSPAC	155	5.15e−06 (7.79e−07, 9.52e−06)	0.021
DCHS450K	98	4.16e−05 (−5.05e−06, 8.82e−05)	0.0813
DCHSEPIC	133	3.14e−05 (−6.82e−06, 6.96e−05)	0.108
Summary	**1589**	**9.7e−06 (6.38e−06, 1.3e−05)**	**1.03e−08**



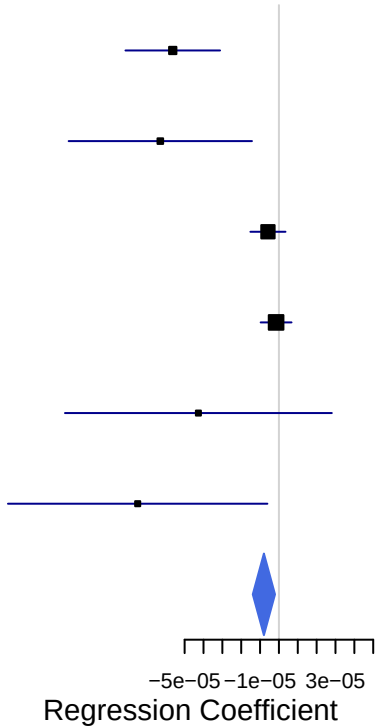
cg14179389 (P=1.61e−13)

Study	N	Beta (95% CI)	P
MOBA1	852	−0.000121 (−0.000153, −8.9e−05)	1.32e−13
MOBA2	183	−0.000113 (−0.000177, −4.98e−05)	0.000472
INMA	169	−2.26e−05 (−3.33e−05, −1.19e−05)	3.24e−05
ALSPAC	156	−1.29e−05 (−2.03e−05, −5.47e−06)	0.000684
DCHS450K	98	−0.000159 (−0.000222, −9.62e−05)	7.09e−07
DCHSEPIC	133	−9.29e−05 (−0.000164, −2.18e−05)	0.0105
Summary	**1591**	**−2.23e−05 (−2.82e−05, −1.64e−05)**	**1.61e−13**



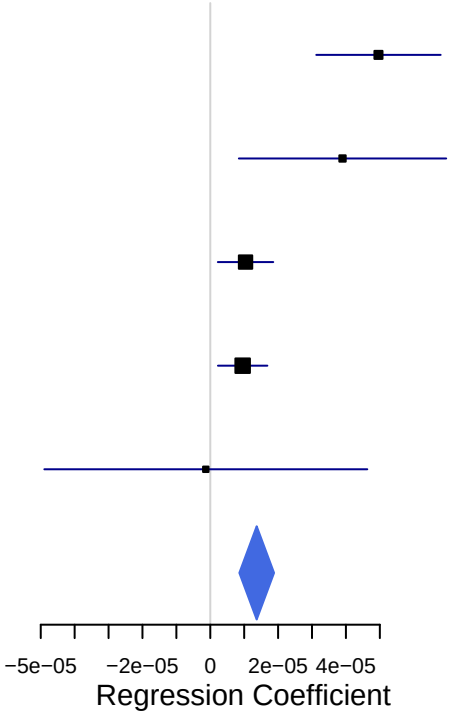
cg14251267 (P=0.00798)

Study	N	Beta (95% CI)	P
MOBA1	852	−5.63e−05 (−8.14e−05, −3.12e−05)	1.12e−05
MOBA2	183	−6.29e−05 (−0.000112, −1.43e−05)	0.0112
INMA	169	−5.82e−06 (−1.51e−05, 3.49e−06)	0.221
ALSPAC	156	−1.5e−06 (−9.69e−06, 6.69e−06)	0.72
DCHS450K	98	−4.27e−05 (−0.000113, 2.81e−05)	0.237
DCHSEPIC	133	−7.49e−05 (−0.000144, −6.11e−06)	0.0327
Summary	**1591**	**−7.97e−06 (−1.39e−05, −2.08e−06)**	**0.00798**



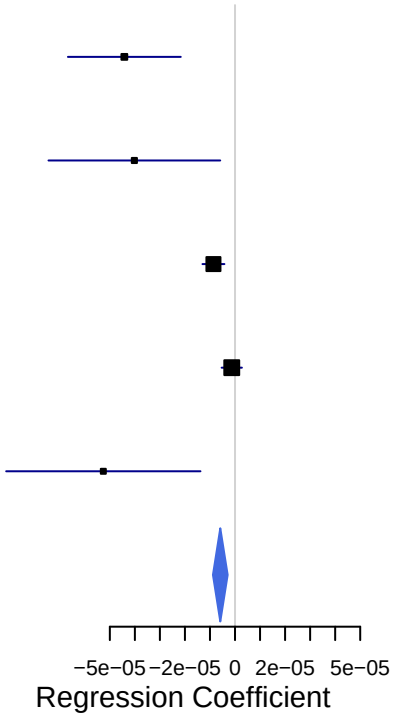
cg14736365 (P=1.53e−07)

Study	N	Beta (95% CI)	P
MOBA1	851	4.96e−05 (3.13e−05, 6.79e−05)	1.18e−07
MOBA2	183	3.9e−05 (8.42e−06, 6.96e−05)	0.0122
INMA	169	1.04e−05 (2.23e−06, 1.86e−05)	0.013
ALSPAC	156	9.55e−06 (2.26e−06, 1.68e−05)	0.0103
DCHSEPIC	133	−1.32e−06 (−4.89e−05, 4.63e−05)	0.957
Summary	**1492**	**1.37e−05 (8.58e−06, 1.88e−05)**	**1.53e−07**



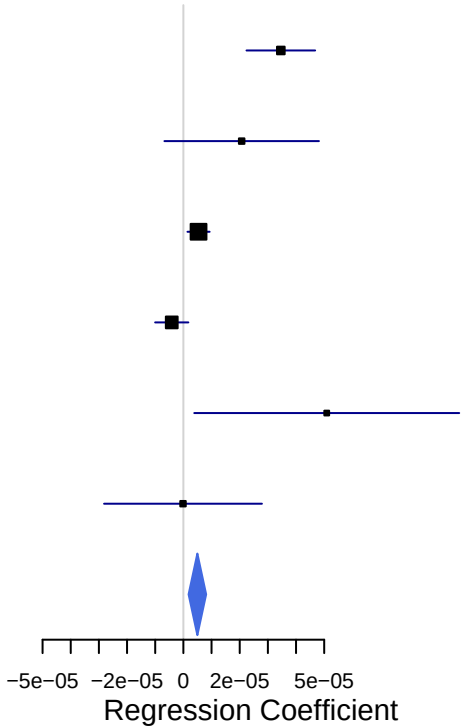
cg14817490 (P=8.69e−05)

Study	N	Beta (95% CI)	P
MOBA1	851	−4.42e−05 (−6.67e−05, −2.17e−05)	0.000121
MOBA2	183	−4.02e−05 (−7.45e−05, −5.9e−06)	0.0218
INMA	169	−8.62e−06 (−1.3e−05, −4.23e−06)	0.000121
ALSPAC	156	−1.3e−06 (−5.36e−06, 2.76e−06)	0.53
DCHS450K	98	−5.26e−05 (−9.14e−05, −1.38e−05)	0.00803
Summary	**1457**	**−5.88e−06 (−8.81e−06, −2.94e−06)**	**8.69e−05**



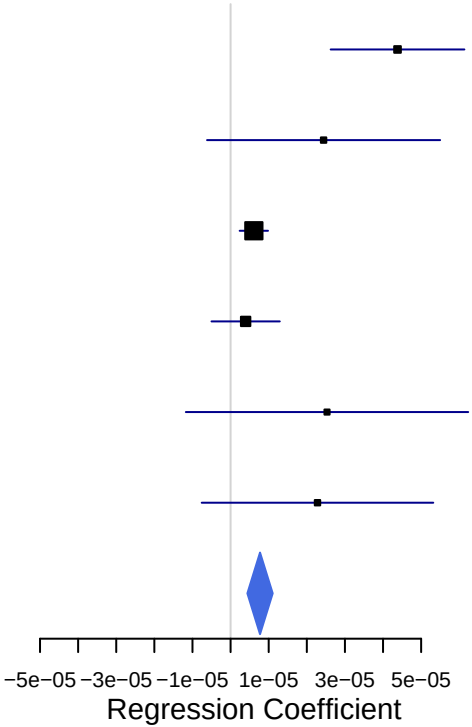
cg15325070 (P=0.00179)

Study	N	Beta (95% CI)	P
MOBA1	850	3.46e−05 (2.24e−05, 4.68e−05)	2.79e−08
MOBA2	183	2.07e−05 (−6.74e−06, 4.81e−05)	0.139
INMA	169	5.38e−06 (1.44e−06, 9.32e−06)	0.00742
ALSPAC	156	−4.13e−06 (−1e−05, 1.77e−06)	0.17
DCHS450K	98	5.09e−05 (3.86e−06, 9.79e−05)	0.034
DCHSEPIC	133	−1.32e−07 (−2.82e−05, 2.79e−05)	0.993
Summary	**1589**	**4.96e−06 (1.85e−06, 8.08e−06)**	**0.00179**



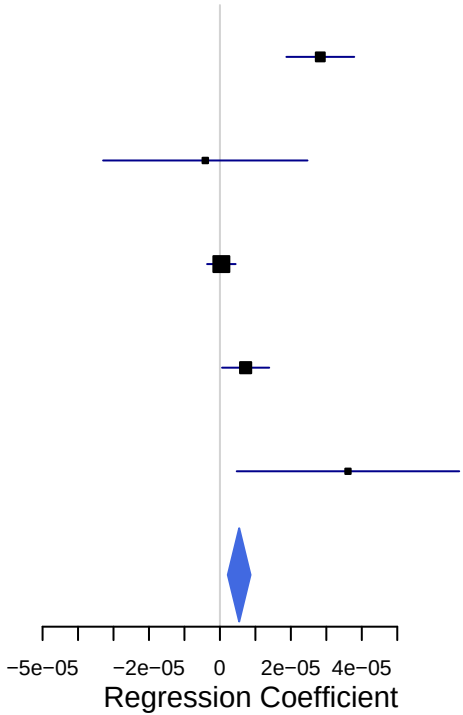
cg15507334 (P=5.12e−06)

Study	N	Beta (95% CI)	P
MOBA1	851	4.38e−05 (2.63e−05, 6.13e−05)	9.7e−07
MOBA2	183	2.44e−05 (−6.18e−06, 5.5e−05)	0.118
INMA	169	6.1e−06 (2.38e−06, 9.82e−06)	0.00132
ALSPAC	156	3.95e−06 (−5.01e−06, 1.29e−05)	0.388
DCHS450K	98	2.53e−05 (−1.17e−05, 6.23e−05)	0.182
DCHSEPIC	133	2.28e−05 (−7.58e−06, 5.32e−05)	0.141
Summary	**1590**	**7.72e−06 (4.4e−06, 1.1e−05)**	**5.12e−06**



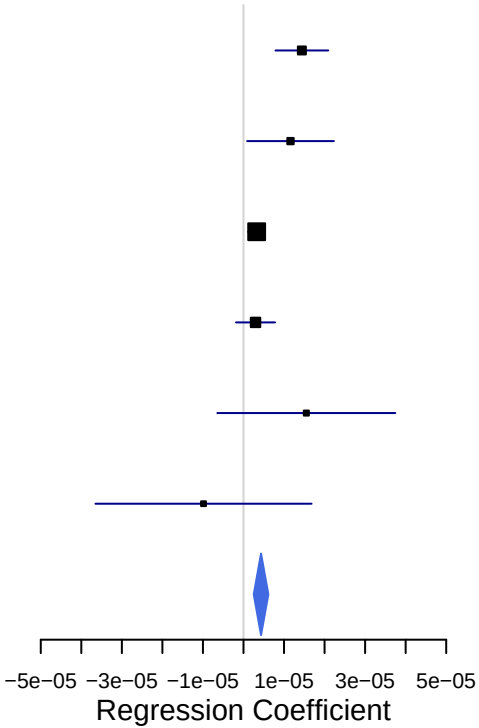
cg15522425 (P=0.00088)

Study	N	Beta (95% CI)	P
MOBA1	850	2.83e−05 (1.87e−05, 3.79e−05)	7.14e−09
MOBA2	183	−4.12e−06 (−3.29e−05, 2.47e−05)	0.778
INMA	169	4.08e−07 (−3.61e−06, 4.43e−06)	0.842
ALSPAC	156	7.25e−06 (6.06e−07, 1.39e−05)	0.0324
DCHS450K	98	3.61e−05 (4.74e−06, 6.75e−05)	0.024
Summary	**1456**	**5.43e−06 (2.23e−06, 8.63e−06)**	**0.00088**



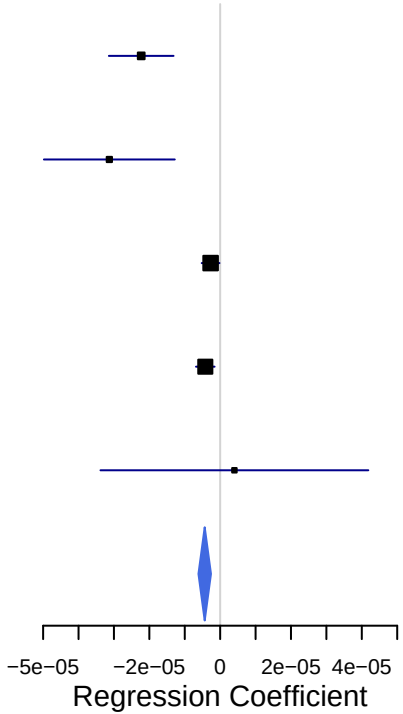
cg15836046 (P=2.63e−06)

Study	N	Beta (95% CI)	P
MOBA1	849	1.44e−05 (7.89e−06, 2.09e−05)	1.45e−05
MOBA2	183	1.16e−05 (8.99e−07, 2.23e−05)	0.0339
INMA	169	3.25e−06 (1.15e−06, 5.35e−06)	0.00241
ALSPAC	156	2.97e−06 (−1.85e−06, 7.79e−06)	0.228
DCHS450K	98	1.55e−05 (−6.45e−06, 3.75e−05)	0.166
DCHSEPIC	133	−9.86e−06 (−3.65e−05, 1.68e−05)	0.469
Summary	**1588**	**4.33e−06 (2.52e−06, 6.14e−06)**	**2.63e−06**



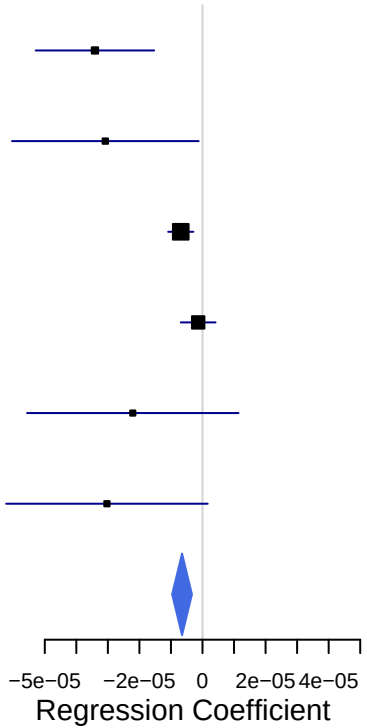
cg16255816 (P=1.34e−06)

Study	N	Beta (95% CI)	P
MOBA1	848	−2.23e−05 (−3.14e−05, −1.32e−05)	1.65e−06
MOBA2	182	−3.13e−05 (−4.98e−05, −1.28e−05)	9e−04
INMA	169	−2.7e−06 (−5.21e−06, −1.91e−07)	0.0353
ALSPAC	156	−4.2e−06 (−6.83e−06, −1.57e−06)	0.00167
DCHSEPIC	133	4.02e−06 (−3.38e−05, 4.18e−05)	0.835
Summary	**1488**	**−4.36e−06 (−6.13e−06, −2.59e−06)**	**1.34e−06**



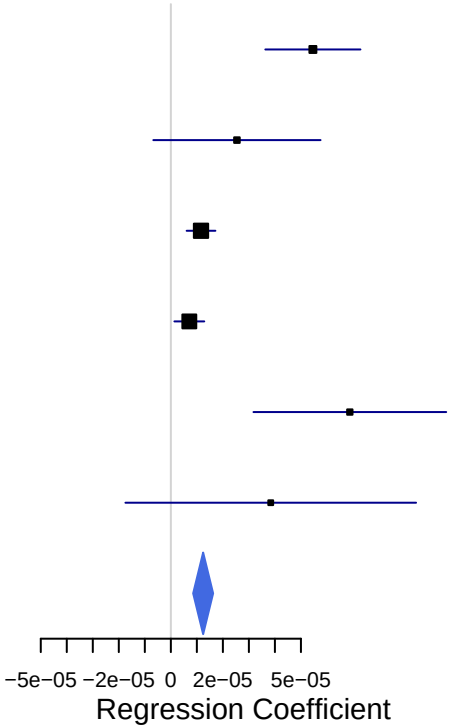
cg16611234 (P=5.21e−05)

Study	N	Beta (95% CI)	P
MOBA1	849	−3.41e−05 (−5.29e−05, −1.53e−05)	0.000375
MOBA2	183	−3.08e−05 (−6.04e−05, −1.2e−06)	0.0421
INMA	169	−6.89e−06 (−1.09e−05, −2.89e−06)	0.000726
ALSPAC	156	−1.37e−06 (−6.88e−06, 4.14e−06)	0.625
DCHS450K	98	−2.21e−05 (−5.56e−05, 1.14e−05)	0.197
DCHSEPIC	133	−3.03e−05 (−6.22e−05, 1.65e−06)	0.0638
Summary	**1588**	**−6.48e−06 (−9.62e−06, −3.34e−06)**	**5.21e−05**



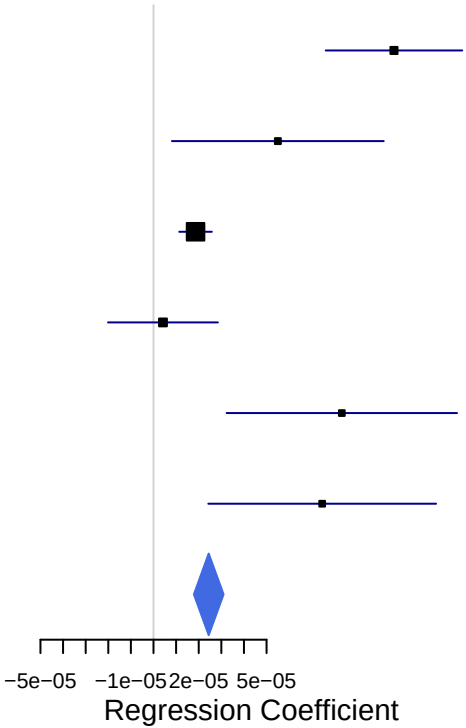
cg17852385 (P=2.15e−10)

Study	N	Beta (95% CI)	P
MOBA1	852	5.46e−05 (3.63e−05, 7.29e−05)	4.63e−09
MOBA2	183	2.54e−05 (−6.74e−06, 5.75e−05)	0.122
INMA	169	1.16e−05 (6.07e−06, 1.71e−05)	3.91e−05
ALSPAC	156	7.1e−06 (1.36e−06, 1.28e−05)	0.0154
DCHS450K	98	6.88e−05 (3.18e−05, 0.000106)	0.000274
DCHSEPIC	133	3.84e−05 (−1.75e−05, 9.43e−05)	0.177
Summary	**1591**	**1.24e−05 (8.59e−06, 1.63e−05)**	**2.15e−10**



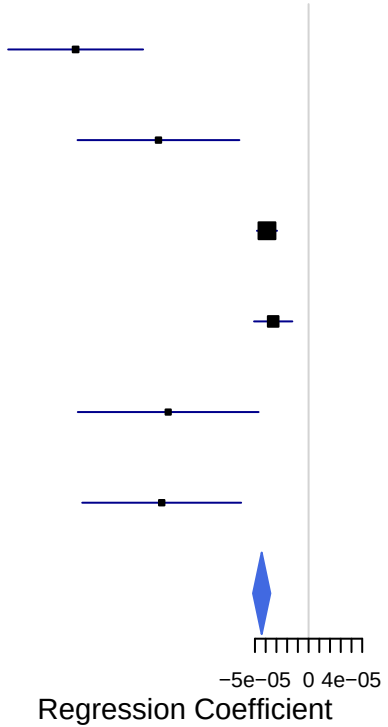
cg18092474 (P=2.87e−13)

Study	N	Beta (95% CI)	P
MOBA1	852	0.000106 (7.62e−05, 0.000137)	5.71e−12
MOBA2	183	5.5e−05 (8.16e−06, 0.000102)	0.0216
INMA	169	1.86e−05 (1.14e−05, 2.58e−05)	4.39e−07
ALSPAC	156	4.19e−06 (−2.01e−05, 2.85e−05)	0.735
DCHS450K	98	8.33e−05 (3.23e−05, 0.000134)	0.00137
DCHSEPIC	133	7.46e−05 (2.42e−05, 0.000125)	0.00365
Summary	**1591**	**2.44e−05 (1.79e−05, 3.1e−05)**	**2.87e−13**



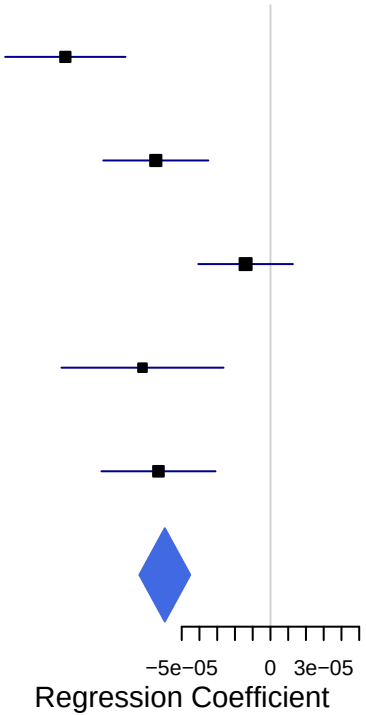
cg18146737 (P=2.66e−26)

Study	N	Beta (95% CI)	P
MOBA1	847	−0.000217 (−0.00028, −0.000154)	1.33e−11
MOBA2	177	−0.00014 (−0.000215, −6.45e−05)	0.000273
INMA	169	−3.88e−05 (−4.81e−05, −2.95e−05)	4.05e−16
ALSPAC	156	−3.3e−05 (−5.09e−05, −1.51e−05)	0.000289
DCHS450K	98	−0.000131 (−0.000215, −4.66e−05)	0.00232
DCHSEPIC	133	−0.000137 (−0.000211, −6.29e−05)	0.000288
Summary	**1580**	**−4.37e−05 (−5.18e−05, −3.56e−05)**	**2.66e−26**



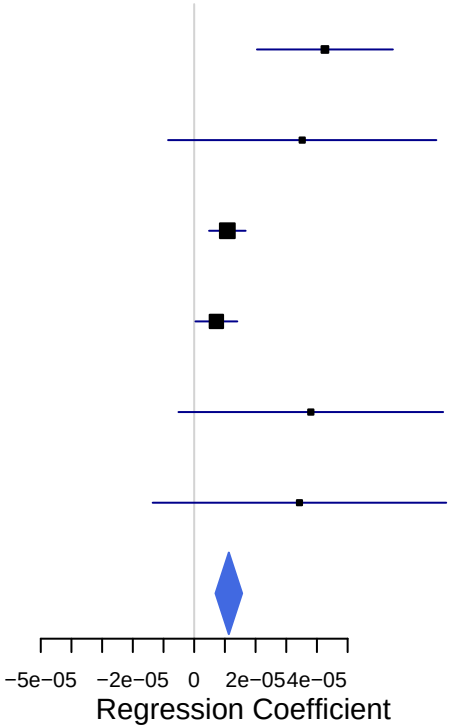
cg18316974 (P=4.05e−16)

Study	N	Beta (95% CI)	P
MOBA1	786	−0.000116 (−0.000149, −8.17e−05)	2.15e−11
MOBA2	171	−6.46e−05 (−9.42e−05, −3.5e−05)	1.84e−05
ALSPAC	138	−1.4e−05 (−4.07e−05, 1.27e−05)	0.301
DCHS450K	98	−7.21e−05 (−0.000118, −2.64e−05)	0.00197
DCHSEPIC	133	−6.31e−05 (−9.52e−05, −3.1e−05)	0.00012
Summary	**1326**	**−5.95e−05 (−7.39e−05, −4.52e−05)**	**4.05e−16**



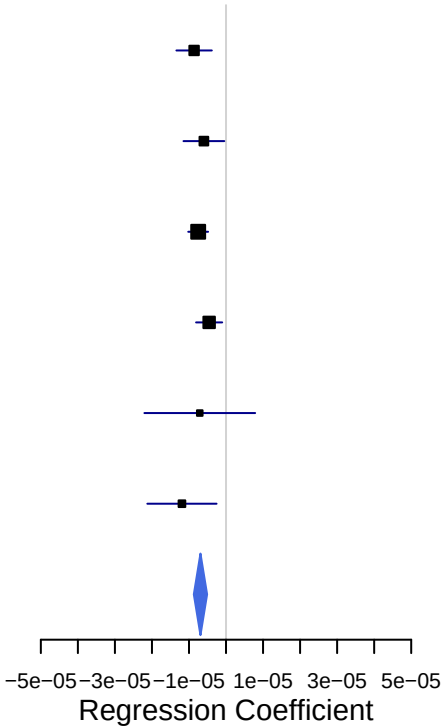
cg18493761 (P=3.37e−07)

Study	N	Beta (95% CI)	P
MOBA1	852	4.26e−05 (2.05e−05, 6.47e−05)	0.000154
MOBA2	183	3.52e−05 (−8.51e−06, 7.89e−05)	0.114
INMA	169	1.08e−05 (4.84e−06, 1.68e−05)	0.000394
ALSPAC	156	7.23e−06 (4.09e−07, 1.41e−05)	0.0378
DCHS450K	98	3.8e−05 (−5.12e−06, 8.11e−05)	0.0839
DCHSEPIC	133	3.43e−05 (−1.35e−05, 8.21e−05)	0.159
Summary	**1591**	**1.13e−05 (6.95e−06, 1.56e−05)**	**3.37e−07**



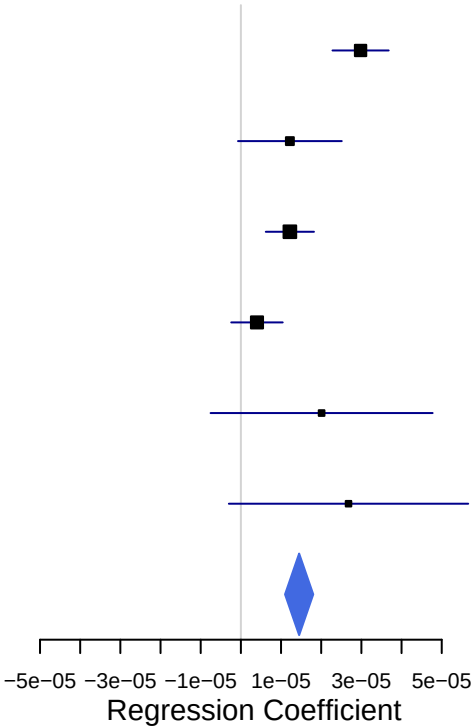
cg18703066 (P=4.26e−14)

Study	N	Beta (95% CI)	P
MOBA1	847	−8.62e−06 (−1.34e−05, −3.84e−06)	0.000408
MOBA2	182	−5.98e−06 (−1.15e−05, −4.73e−07)	0.0334
INMA	169	−7.52e−06 (−1.02e−05, −4.83e−06)	3.64e−08
ALSPAC	156	−4.56e−06 (−8.09e−06, −1.03e−06)	0.0113
DCHS450K	98	−7.09e−06 (−2.2e−05, 7.86e−06)	0.353
DCHSEPIC	133	−1.19e−05 (−2.12e−05, −2.55e−06)	0.0123
Summary	**1585**	**−6.9e−06 (−8.69e−06, −5.11e−06)**	**4.26e−14**



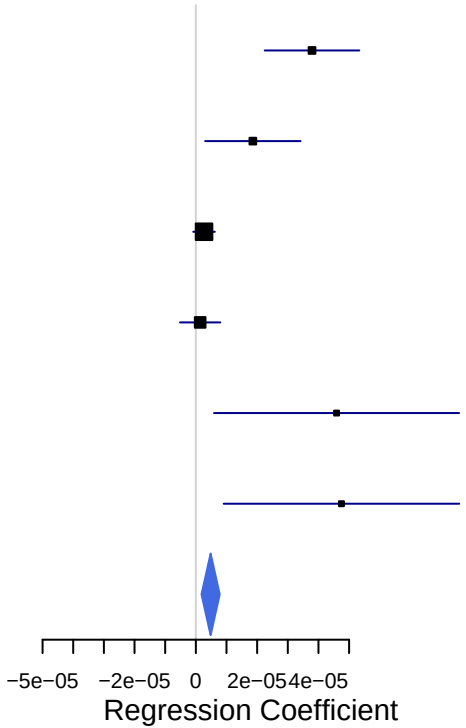
cg19089201 (P=5.85e−16)

Study	N	Beta (95% CI)	P
MOBA1	848	2.98e−05 (2.28e−05, 3.68e−05)	7.14e−17
MOBA2	182	1.22e−05 (−7.16e−07, 2.51e−05)	0.0641
INMA	169	1.22e−05 (6.2e−06, 1.82e−05)	6.73e−05
ALSPAC	155	4.01e−06 (−2.4e−06, 1.04e−05)	0.22
DCHS450K	98	2.01e−05 (−7.54e−06, 4.77e−05)	0.154
DCHSEPIC	133	2.68e−05 (−2.99e−06, 5.66e−05)	0.0785
Summary	**1585**	**1.45e−05 (1.1e−05, 1.8e−05)**	**5.85e−16**



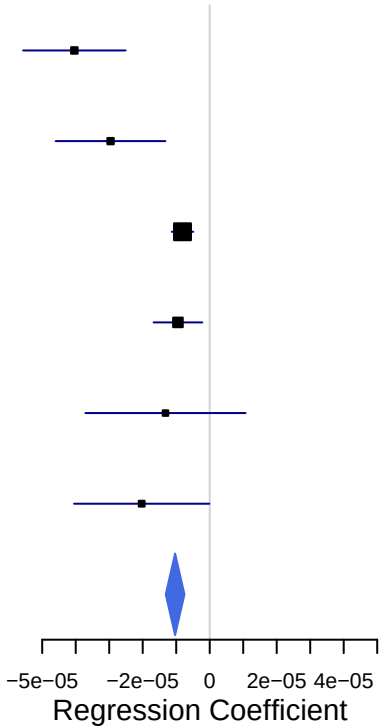
cg20344448 (P=0.00149)

Study	N	Beta (95% CI)	P
MOBA1	852	3.79e−05 (2.25e−05, 5.33e−05)	1.46e−06
MOBA2	183	1.86e−05 (3.04e−06, 3.42e−05)	0.0193
INMA	169	2.68e−06 (−8.48e−07, 6.21e−06)	0.136
ALSPAC	156	1.41e−06 (−5.18e−06, 8e−06)	0.674
DCHS450K	98	4.59e−05 (5.92e−06, 8.59e−05)	0.0247
DCHSEPIC	133	4.75e−05 (9.08e−06, 8.59e−05)	0.0154
Summary	**1591**	**4.82e−06 (1.85e−06, 7.79e−06)**	**0.00149**



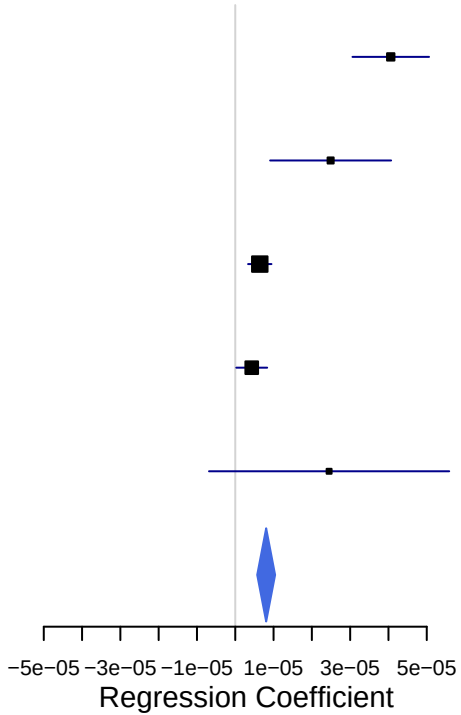
cg21161138 (P=4.47e−13)

Study	N	Beta (95% CI)	P
MOBA1	852	−4.04e−05 (−5.57e−05, −2.51e−05)	2.12e−07
MOBA2	182	−2.96e−05 (−4.6e−05, −1.32e−05)	0.000401
INMA	169	−8.12e−06 (−1.13e−05, −4.91e−06)	6.92e−07
ALSPAC	153	−9.48e−06 (−1.68e−05, −2.21e−06)	0.0106
DCHS450K	98	−1.32e−05 (−3.71e−05, 1.07e−05)	0.276
DCHSEPIC	133	−2.03e−05 (−4.05e−05, −1.12e−07)	0.0482
Summary	**1587**	**−1.03e−05 (−1.31e−05, −7.53e−06)**	**4.47e−13**



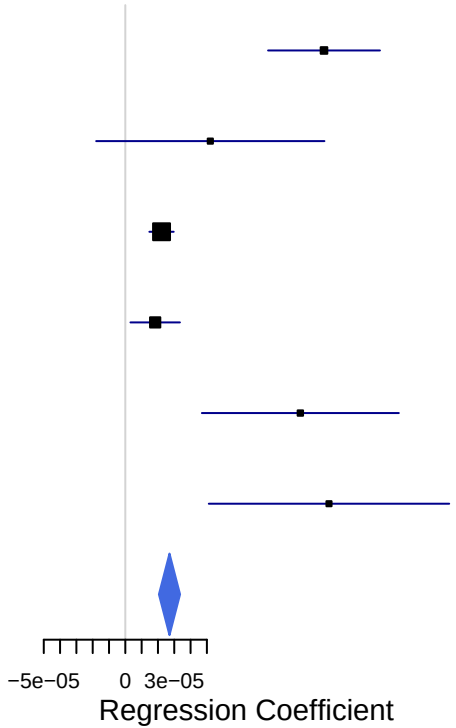
cg22132788 (P=1.27e−11)

Study	N	Beta (95% CI)	P
MOBA1	846	4.06e−05 (3.06e−05, 5.06e−05)	1.76e−15
MOBA2	183	2.49e−05 (9.1e−06, 4.07e−05)	0.002
INMA	169	6.4e−06 (3.34e−06, 9.46e−06)	4.12e−05
ALSPAC	156	4.3e−06 (2.62e−07, 8.34e−06)	0.0365
DCHS450K	98	2.45e−05 (−6.86e−06, 5.59e−05)	0.125
Summary	**1452**	**8.07e−06 (5.73e−06, 1.04e−05)**	**1.27e−11**



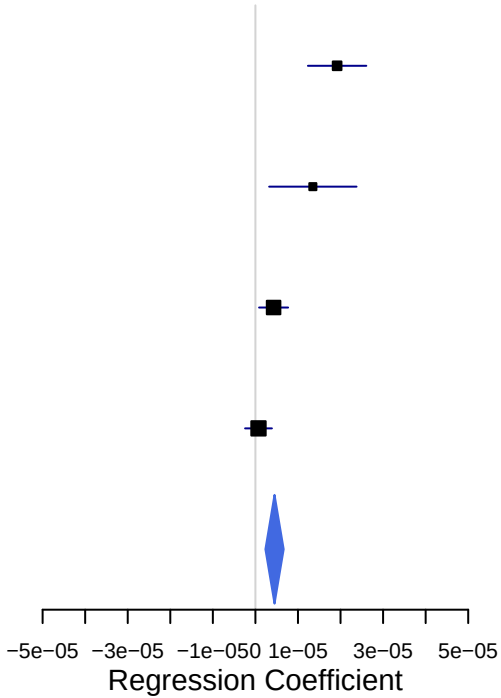
cg22549041 (P=2.69e−16)

Study	N	Beta (95% CI)	P
MOBA1	850	0.000122 (8.75e−05, 0.000156)	3.5e−12
MOBA2	183	5.21e−05 (−1.79e−05, 0.000122)	0.145
INMA	169	2.22e−05 (1.47e−05, 2.97e−05)	5.66e−09
ALSPAC	156	1.83e−05 (3.13e−06, 3.35e−05)	0.0179
DCHS450K	98	0.000107 (4.69e−05, 0.000168)	0.000498
DCHSEPIC	133	0.000125 (5.12e−05, 0.000199)	0.000891
Summary	**1589**	**2.71e−05 (2.06e−05, 3.36e−05)**	**2.69e−16**



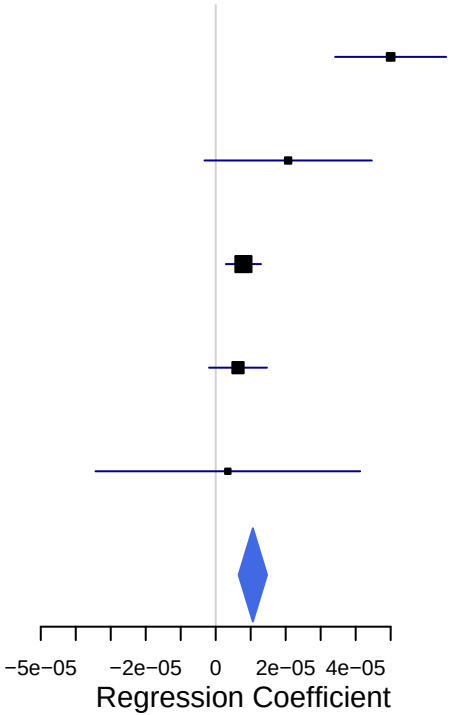
cg22937882 (P=4.04e−05)

Study	N	Beta (95% CI)	P
MOBA1	852	1.92e−05 (1.23e−05, 2.61e−05)	4.37e−08
MOBA2	183	1.35e−05 (3.23e−06, 2.38e−05)	0.00977
INMA	169	4.27e−06 (8.6e−07, 7.68e−06)	0.0143
ALSPAC	155	7.26e−07 (−2.43e−06, 3.88e−06)	0.652
Summary	**1359**	**4.5e−06 (2.35e−06, 6.64e−06)**	**4.04e−05**



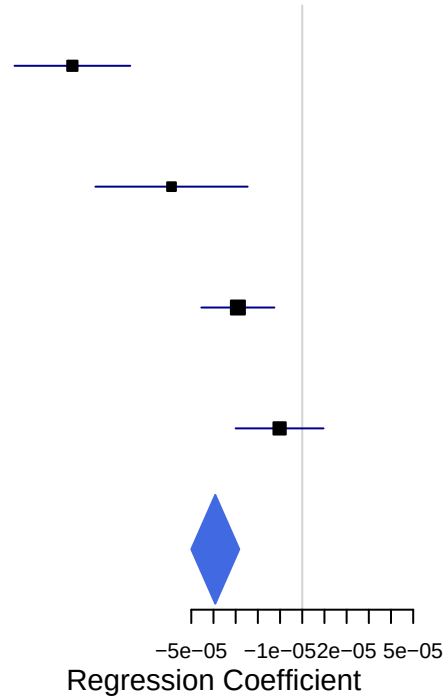
cg23067299 (P=2.95e−07)

Study	N	Beta (95% CI)	P
MOBA1	852	5e−05 (3.41e−05, 6.59e−05)	6.44e−10
MOBA2	183	2.07e−05 (−3.21e−06, 4.46e−05)	0.0883
INMA	169	7.92e−06 (2.9e−06, 1.29e−05)	0.00195
ALSPAC	154	6.37e−06 (−1.9e−06, 1.46e−05)	0.132
DCHS450K	98	3.46e−06 (−3.44e−05, 4.13e−05)	0.858
Summary	**1456**	**1.06e−05 (6.55e−06, 1.47e−05)**	**2.95e−07**



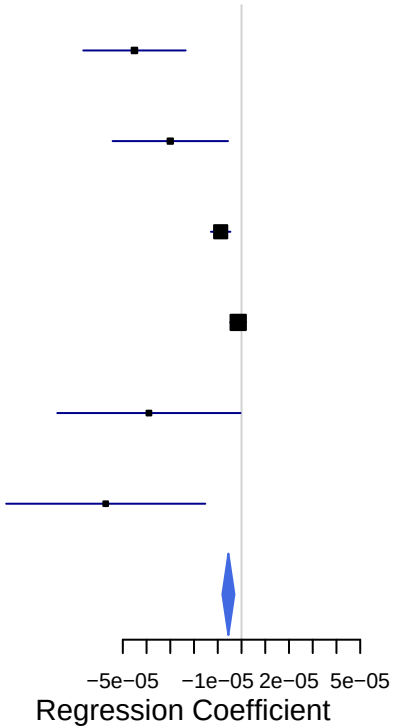
cg23576855 (P=1.19e−12)

Study	N	Beta (95% CI)	P
MOBA1	739	−0.000104 (−0.00013, −7.75e−05)	6.92e−15
MOBA2	150	−5.89e−05 (−9.32e−05, −2.46e−05)	0.000788
INMA	169	−2.9e−05 (−4.55e−05, −1.25e−05)	0.000564
ALSPAC	156	−1.02e−05 (−3e−05, 9.6e−06)	0.312
Summary	**1214**	**−3.92e−05 (−5e−05, −2.84e−05)**	**1.19e−12**



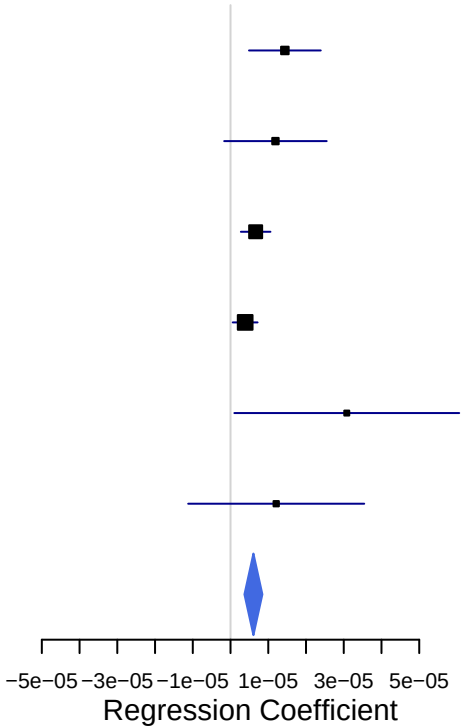
cg23916896 (P=2.05e−05)

Study	N	Beta (95% CI)	P
MOBA1	852	−4.51e−05 (−6.67e−05, −2.35e−05)	3.87e−05
MOBA2	183	−3e−05 (−5.43e−05, −5.7e−06)	0.0153
INMA	169	−8.78e−06 (−1.29e−05, −4.68e−06)	2.71e−05
ALSPAC	156	−1.39e−06 (−4.72e−06, 1.94e−06)	0.411
DCHS450K	98	−3.9e−05 (−7.76e−05, −3.89e−07)	0.048
DCHSEPIC	133	−5.72e−05 (−9.91e−05, −1.53e−05)	0.00754
Summary	**1591**	**−5.52e−06 (−8.07e−06, −2.98e−06)**	**2.05e−05**



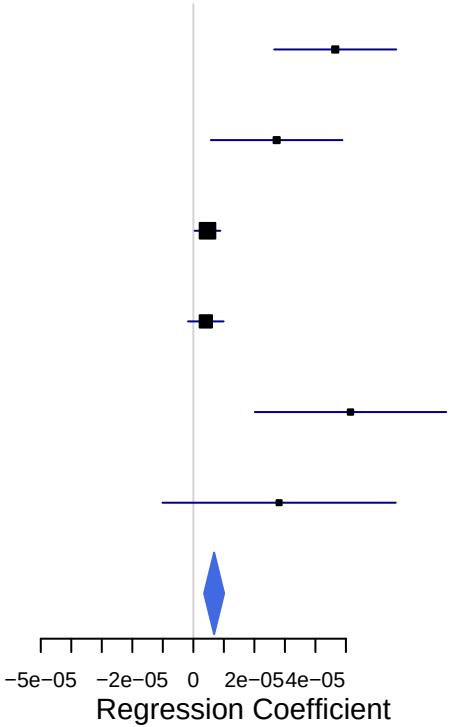
cg23932261 (P=5.8e−07)

Study	N	Beta (95% CI)	P
MOBA1	852	1.44e−05 (4.89e−06, 2.39e−05)	0.003
MOBA2	183	1.19e−05 (−1.68e−06, 2.55e−05)	0.0847
INMA	169	6.66e−06 (2.74e−06, 1.06e−05)	0.000861
ALSPAC	156	3.88e−06 (5.87e−07, 7.17e−06)	0.0206
DCHS450K	98	3.08e−05 (1.01e−06, 6.06e−05)	0.0424
DCHSEPIC	133	1.21e−05 (−1.12e−05, 3.54e−05)	0.31
Summary	**1591**	**6.07e−06 (3.69e−06, 8.44e−06)**	**5.8e−07**



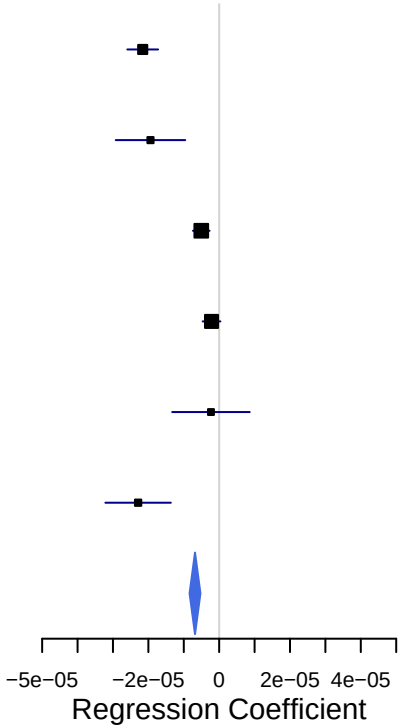
cg25464840 (P=4.85e−05)

Study	N	Beta (95% CI)	P
MOBA1	851	4.65e−05 (2.65e−05, 6.65e−05)	4.81e−06
MOBA2	183	2.73e−05 (5.74e−06, 4.89e−05)	0.0131
INMA	169	4.64e−06 (4.46e−07, 8.83e−06)	0.0302
ALSPAC	156	4.09e−06 (−1.73e−06, 9.91e−06)	0.169
DCHS450K	98	5.15e−05 (2.01e−05, 8.29e−05)	0.00131
DCHSEPIC	133	2.81e−05 (−1.01e−05, 6.63e−05)	0.151
Summary	**1590**	**6.81e−06 (3.52e−06, 1.01e−05)**	**4.85e−05**



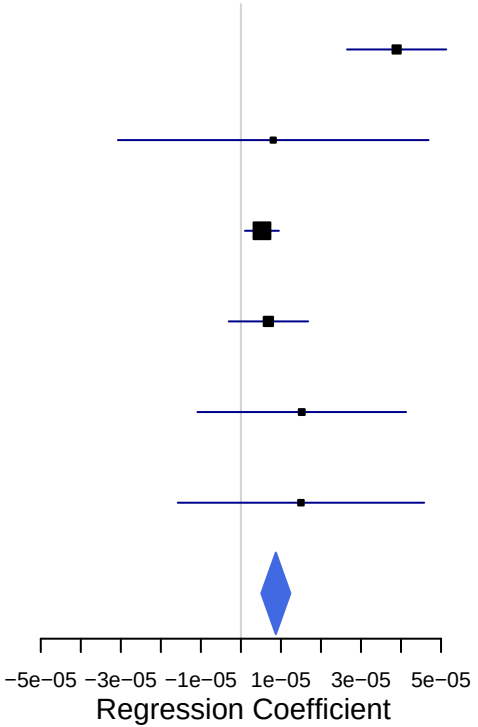
cg25949550 (P=3.28e−18)

Study	N	Beta (95% CI)	P
MOBA1	851	−2.16e−05 (−2.6e−05, −1.72e−05)	2.1e−22
MOBA2	183	−1.94e−05 (−2.92e−05, −9.58e−06)	0.000109
INMA	169	−5.06e−06 (−7.41e−06, −2.71e−06)	2.63e−05
ALSPAC	155	−2.16e−06 (−4.67e−06, 3.49e−07)	0.0932
DCHS450K	98	−2.32e−06 (−1.33e−05, 8.64e−06)	0.678
DCHSEPIC	133	−2.29e−05 (−3.22e−05, −1.36e−05)	1.2e−06
Summary	**1589**	**−6.83e−06 (−8.36e−06, −5.29e−06)**	**3.28e−18**



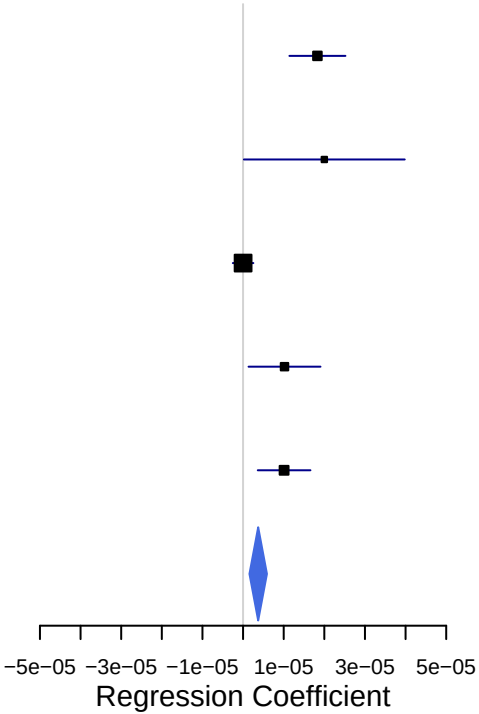
cg26405475 (P=2.54e−06)

Study	N	Beta (95% CI)	P
MOBA1	851	3.89e−05 (2.65e−05, 5.13e−05)	7.11e−10
MOBA2	183	8.07e−06 (−3.07e−05, 4.69e−05)	0.684
INMA	169	5.26e−06 (1.03e−06, 9.49e−06)	0.015
ALSPAC	155	6.86e−06 (−3.06e−06, 1.68e−05)	0.175
DCHS450K	98	1.52e−05 (−1.09e−05, 4.13e−05)	0.253
DCHSEPIC	133	1.5e−05 (−1.58e−05, 4.58e−05)	0.339
Summary	**1589**	**8.73e−06 (5.09e−06, 1.24e−05)**	**2.54e−06**



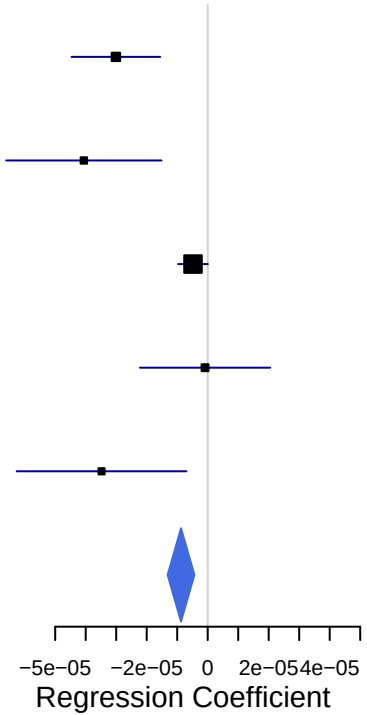
cg26516004 (P=0.000687)

Study	N	Beta (95% CI)	P
MOBA1	850	1.83e−05 (1.14e−05, 2.52e−05)	2.1e−07
MOBA2	182	2e−05 (2.04e−07, 3.98e−05)	0.0483
ALSPAC	154	2.74e−09 (−2.53e−06, 2.53e−06)	0.998
DCHS450K	98	1.02e−05 (1.34e−06, 1.91e−05)	0.0234
DCHSEPIC	133	1.01e−05 (3.61e−06, 1.66e−05)	0.00238
Summary	**1417**	**3.72e−06 (1.57e−06, 5.87e−06)**	**0.000687**



cg26764244 (P=9.09e−05)

Study	N	Beta (95% CI)	P
MOBA1	852	−3.01e−05 (−4.46e−05, −1.56e−05)	4.84e−05
MOBA2	183	−4.06e−05 (−6.61e−05, −1.51e−05)	0.00174
ALSPAC	156	−4.82e−06 (−9.68e−06, 4.07e−08)	0.0519
DCHS450K	98	−8.62e−07 (−2.22e−05, 2.05e−05)	0.937
DCHSEPIC	133	−3.48e−05 (−6.26e−05, −6.97e−06)	0.014
Summary	**1422**	**−8.75e−06 (−1.31e−05, −4.37e−06)**	**9.09e−05**



cg26889659 (P=1.06e−07)

Study	N	Beta (95% CI)	P
MOBA1	852	−6.72e−05 (−0.000115, −1.94e−05)	0.00588
MOBA2	183	−0.000104 (−0.000158, −5.06e−05)	0.000144
INMA	169	−1.84e−05 (−2.7e−05, −9.76e−06)	3.1e−05
ALSPAC	156	−1.01e−05 (−2.04e−05, 1.9e−07)	0.0545
DCHS450K	98	−2.69e−05 (−0.000112, 5.78e−05)	0.534
DCHSEPIC	133	−1.75e−05 (−5.24e−05, 1.74e−05)	0.324
Summary	**1591**	**−1.73e−05 (−2.37e−05, −1.09e−05)**	**1.06e−07**