A

Cohort	N	# of transcripts	R2 [95% CI]	SOS [95% CI]	p1 / p2	ab	prop
MESA-Hispanic	285	33307	0.04 [-0.007, 0.087]	0.255 [0.01, 0.5]	45 / 45	-7.58 / -7.55	-8.23 / -8.01
MESA-AA	321	33856	0.012 [-0.026, 0.05]	0.1 [-0.2, 0.4]	56 / 51	-8.42 / -6.71	-7.95 / -8.37
MESA-CA	104	30342	0.087 [0.005, 0.169]	0.391 [0.08, 0.71]	12 / 14	-1.33 / -9.1	-1.38 / -8.14
MESA-white	415	34154	0.025 [-0.012, 0.063]	0.166 [-0.06, 0.39]	73 / 71	-6.05 / -7.98	-7.26 / -9.28
FHS Offspring RNA-seq	695	43305	0.028 [0.002, 0.054]	0.298 [0.07, 0.53]	125 / 127	-5.56 / -4.06	-6.37 / -6.41
FHS GEN3 RNA-seq	1668	47505	0.045 [0.026, 0.065]	0.448 [0.3, 0.59]	322 / 320	-4.45 / -3.56	-7.15 / -6.1
FHS Offspring Microarray	1310	17873	0.052 [0.028, 0.076]	0.54 [0.39, 0.69]	319 / 326	-4.89 / -4.33	-6.17 / -6.47
FHS GEN3 Microarray	1140	17873	0.059 [0.034, 0.084]	0.565 [0.42, 0.71]	314 / 318	-4.07 / -3.68	-6.4 / -6.82
Fixed-effects			0.042 [0.032, 0.053]	0.373 [0.26, 0.49]			
MEGA	5893	4829	0.075 [0.062, 0.088]	0.495 [0.44, 0.55]	383 / 372	-6.36 / -6.29	-9.55 / -9.45

R2 Heterogeneity: I^2 = 12.72%, p = 0.3308; SOS Heterogeneity: I^2 = 61.55%, p = 0.0111

B

Cohort	N	# of transcripts	R2 [95% CI]	SOS [95% CI]	p1 / p2	ab	prop
MESA-Hispanic	285	33307	0.047 [0.007, 0.086]	0.356 [0.08, 0.63]	49 / 42	-6.29 / -5.59	0.61 / 0.56
MESA-AA	321	33822	0.072 [0.027, 0.117]	0.418 [0.2, 0.63]	47 / 53	-6.5 / -8.38	0.64 / 0.58
MESA-CA	104	30342	-0.012 [-0.077, 0.052]	-0.11 [-0.72, 0.5]	12 / 14	-2.29 / -3.74	0.36 / 0.55
MESA-white	414	34103	0.07 [0.019, 0.12]	0.307 [0.1, 0.51]	78 / 69	-8.1 / -5.65	0.57 / 0.5
FHS Offspring RNA-seq	702	43329	0.023 [-0.009, 0.056]	0.163 [-0.04, 0.37]	122 / 100	7.55 / 7.05	0.55 / 0.45
FHS GEN3 RNA-seq	1659	47468	0.091 [0.065, 0.117]	0.676 [0.56, 0.79]	270 / 297	10.96 / 7.57	0.7 / 0.52
FHS Offspring Microarray	1260	17873	0.12 [0.088, 0.152]	0.917 [0.85, 0.99]	317 / 321	3.52 / 9.58	0.27 / 0.69
FHS GEN3 Microarray	1131	17873	0.104 [0.07, 0.137]	0.647 [0.52, 0.77]	301 / 312	8.61 / 7.17	0.58 / 0.47
DerSimonian-Laird			0.068 [0.04, 0.096]	0.47 [0.26, 0.68]			
Median-unbiased PM			0.067 [0.037, 0.098]	0.467 [0.25, 0.69]			
MEGA	5830	4829	0.065 [0.054, 0.076]	0.838 [0.79, 0.89]	265 / 294	7.18 / 6.71	0.7 / 0.69

R2 Heterogeneity: I^2 = 77.16%, p < 0.001; SOS Heterogeneity: I^2 = 92.89%, p < 0.001