

A

Cohort	N	Technology	# of transcripts		R2 [95% CI]	SOS [95% CI]	p1 / p2	ab	prop
FHS-Offspring	695	RNA-seq	43305		0.028 [0.002, 0.054]	0.298 [0.07, 0.53]	125 / 127	-5.56 / -4.06	-6.37 / -6.41
FHS-Generation 3	1668	RNA-seq	47505		0.045 [0.026, 0.065]	0.448 [0.3, 0.59]	322 / 320	-4.45 / -3.56	-7.15 / -6.10
FHS-Offspring	1310	Microarray	17873		0.052 [0.028, 0.076]	0.540 [0.39, 0.69]	319 / 326	-4.89 / -4.33	-6.17 / -6.47
FHS-Generation 3	1140	Microarray	17873		0.059 [0.034, 0.084]	0.565 [0.42, 0.71]	314 / 318	-4.07 / -3.68	-6.40 / -6.82
MESA	1125	RNA-seq	37013		0.081 [0.052, 0.11]	0.532 [0.41, 0.65]	193 / 185	-5.72 / -7.30	-6.85 / -6.82
Fixed-effects					0.051 [0.04, 0.062]	0.503 [0.44, 0.57]		-4.76 / -4.32	-6.72 / -6.54
MEGA	5893	N/A	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: I² = 50.06%, p = 0.0913; SOS Heterogeneity: I² = 15.66%, p = 0.3147

B

Cohort	N	Technology	# of transcripts		R2 [95% CI]	SOS [95% CI]	p1 / p2	ab	prop
FHS-Offspring	702	RNA-seq	43329		0.023 [-0.009, 0.056]	0.163 [-0.04, 0.37]	122 / 100	7.55 / 7.05	0.55 / 0.45
FHS-Generation 3	1659	RNA-seq	47468		0.091 [0.065, 0.117]	0.676 [0.56, 0.79]	270 / 297	10.96 / 7.57	0.70 / 0.52
FHS-Offspring	1260	Microarray	17873		0.120 [0.088, 0.152]	0.917 [0.85, 0.99]	317 / 321	3.52 / 9.58	0.27 / 0.69
FHS-Generation 3	1131	Microarray	17873		0.104 [0.07, 0.137]	0.647 [0.52, 0.77]	301 / 312	8.61 / 7.17	0.58 / 0.47
MESA	1124	RNA-seq	36979		0.035 [0.006, 0.064]	0.205 [0.05, 0.36]	197 / 181	-5.88 / -5.02	0.48 / 0.47
DerSimonian-Laird					0.084 [0.045, 0.124]	0.470 [0.26, 0.68]		4.93 / 5.18	0.55 / 0.50
Median-unbiased PM					0.084 [0.038, 0.131]	0.467 [0.25, 0.69]		4.91 / 5.16	0.55 / 0.50
MEGA	5830	N/A	4829		0.065 [0.054, 0.076]	0.838 [0.79, 0.89]	265 / 294	7.18 / 6.71	0.70 / 0.69

R2 Heterogeneity: I² = 85.02%, p = 0.002; SOS Heterogeneity: I² = 94.81%, p < 0.001