Supplementary Results S1

RVE: Correlated Effects Model with Small-Sample Corrections

**Model: g\_calc ~ vocal \* mean\_age**

Number of studies = 26

Number of outcomes = 38 (min = 1 , mean = 1.46 , median = 1 , max = 3 )

Rho = 0.8

I.sq = 78.05148

Tau.sq = 0.1344677

Estimate StdErr t-value dfs P(|t|>) 95% CI.L 95% CI.U Sig

Intercept 0.50312 0.17575 2.863 6.96 0.0244 0.08712 0.91913 \*\*

vocal -0.16690 0.22954 -0.727 10.67 0.4828 -0.67401 0.34022

mean\_age -0.00129 0.00199 -0.648 3.04 0.5625 -0.00757 0.00499

vocal.mean\_age 0.00180 0.00208 0.866 6.23 0.4187 -0.00325 0.00685

---

Signif. codes: < .01 \*\*\* < .05 \*\* < .10 \*

---

Note: If df < 4, do not trust the results

RVE: Correlated Effects Model with Small-Sample Corrections

**Model: g\_calc ~ natural \* mean\_age**

Number of studies = 26

Number of outcomes = 38 (min = 1 , mean = 1.46 , median = 1 , max = 3 )

Rho = 0.8

I.sq = 77.96093

Tau.sq = 0.1329136

Estimate StdErr t-value dfs P(|t|>) 95% CI.L 95% CI.U Sig

Intercept. 0.420658 0.23078 1.823 4.47 0.135 -0.19417 1.03548

natural 0.057868 0.26510 0.218 10.34 0.831 -0.53015 0.64589

mean\_age -0.000961 0.00214 -0.449 2.96 0.684 -0.00781 0.00589

natural.mean\_age 0.000993 0.00221 0.450 5.02 0.672 -0.00468 0.00666

---

Signif. codes: < .01 \*\*\* < .05 \*\* < .10 \*

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Note: If df < 4, do not trust the results

RVE: Correlated Effects Model with Small-Sample Corrections

**Model: g\_calc ~ test\_lang \* mean\_age**

Number of studies = 26

Number of outcomes = 38 (min = 1 , mean = 1.46 , median = 1 , max = 3 )

Rho = 0.8

I.sq = 80.26785

Tau.sq = 0.1556465

Estimate StdErr t-value dfs P(|t|>) 95% CI.L 95% CI.U Sig

Intercept. 0.57337 0.61704 0.929 3.73 0.409 -1.18997 2.33671

test\_lang -0.14228 0.62803 -0.227 4.45 0.831 -1.81818 1.53362

mean\_age -0.00122 0.00259 -0.470 4.20 0.662 -0.00829 0.00585

test\_lang.mean\_age 0.00167 0.00266 0.627 5.43 0.556 -0.00501 0.00835

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Signif. codes: < .01 \*\*\* < .05 \*\* < .10 \*

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Note: If df < 4, do not trust the results

Supplementary Results S2

RVE: Correlated Effects Model with Small-Sample Corrections

**Model: g\_calc ~ mean\_age**

Number of studies = 26

Number of outcomes = 38 (min = 1 , mean = 1.46 , median = 1 , max = 3 )

Rho = 0.8

I.sq = 80.07802

Tau.sq = 0.1382576

Estimate StdErr t-value dfs P(|t|>) 95% CI.L 95% CI.U Sig

Intercept 0.4229292 0.115658 3.6567 13.5 0.00273 0.17405 0.67181 \*\*\*

mean\_age -0.0000168 0.000594 -0.0282 10.9 0.97801 -0.00133 0.00129

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Signif. codes: < .01 \*\*\* < .05 \*\* < .10 \*

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Note: If df < 4, do not trust the results

Supplementary Figure S3

