## Suplemental Information

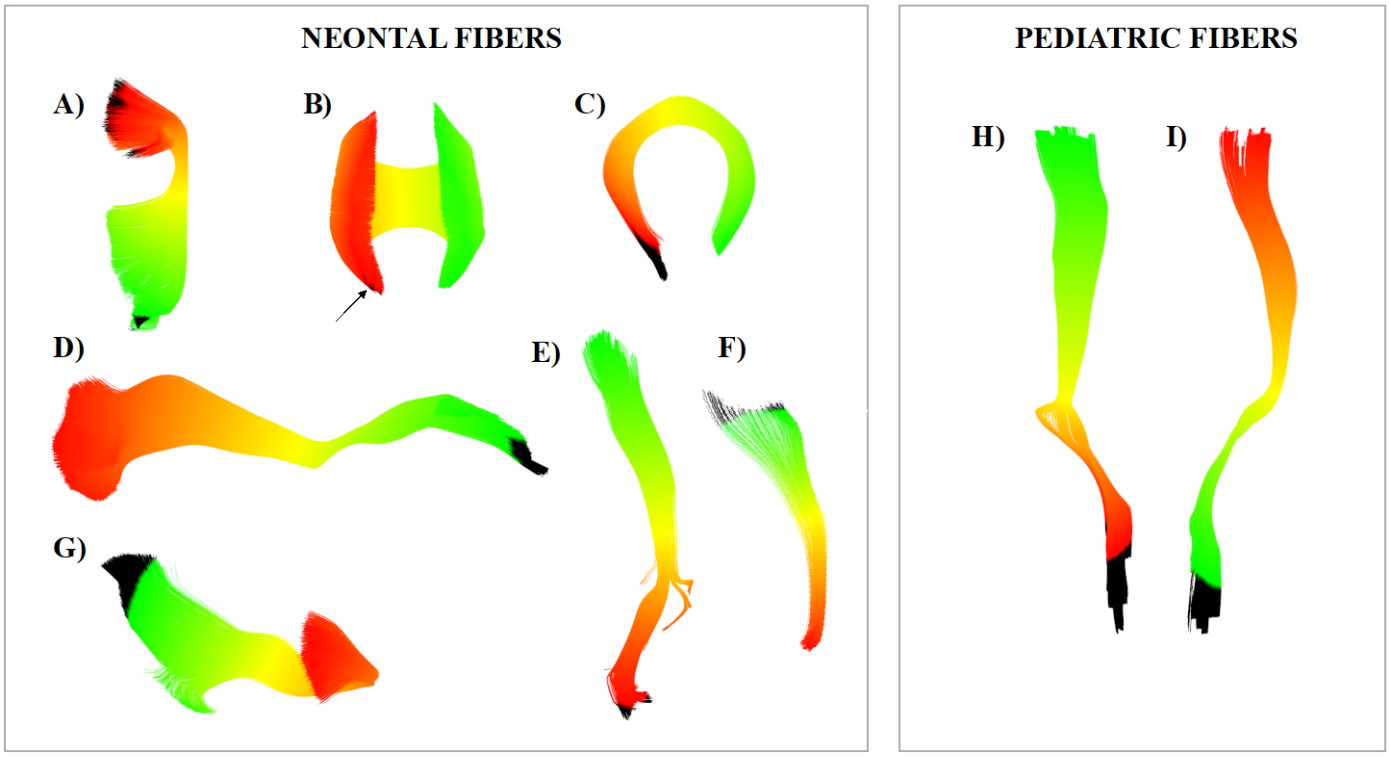
**Section 1: Tractography-Level Quality Control**

Tract-based failure rates for the entire subject sample with images in our study are reported below in *Table 1.1*. Terminal arc lengths were not included in the tract average calculations of FA, AD, and RD for tracts with high noise. Visualizations of excluded portions of the tracts can be seen in *Figure 1.1*.

*Table 1.1. Quality Control: Rates of Failure and Tract Properties*

| | Neonates (N=662) | | 1-year (N=435) | | 2-year (N=325) | |
|---|---|---|---|---|---|---|
| | % Failures | Cropped (Y/N) | % Failures | Cropped (Y/N) | % Failures | Cropped (Y/N) |
| **ARC-FP (L)** | 8% | | 0% | | 0% | |
| **ARC-FP (R)** | 20% | | 0% | | 0% | |
| **ARC-FT (L)** | 3% | | 1% | | 0% | |
| **ARC-FT (R)** | 2% | | 3% | | 2% | |
| **ARC-TP (L)** | 38% | | 1% | | 0% | |
| **ARC-TP (R)** | 1% | Y | 1% | | 0% | |
| **CF-M (L)** | 0% | Y | 5% | | 0% | |
| **CF-M (R)** | 0% | Y | 1% | | 0% | |
| **CGC (L)** | 0% | | 0% | | 1% | |
| **CGC (R)** | 0% | Y | 0% | Y | 0% | Y |
| **CT-M (L)** | 0% | | 0% | Y | 0% | Y |
| **CT-M (R)** | 3% | | 0% | | 0% | |
| **CT-Par (L)** | 12% | | 0% | | 0% | |
| **CT-Par (R)** | 0% | | 0% | | 0% | |
| **CT-PFC (L)** | 0% | | 0% | | 0% | |
| **CT-PFC (R)** | 0% | Y | 0% | | 0% | |
| **CT-PM (L)** | 0% | | 0% | | 0% | |
| **CT-PM (R)** | 0% | | 0% | | 0% | |
| **IFOF (L)** | 0% | | 1% | | 0% | |
| **IFOF (R)** | 0% | | 0% | | 0% | |
| **ILF (L)** | 0% | | 0% | | 0% | |
| **ILF (R)** | 0% | | 0% | | 0% | |
| **SLF (L)** | 0% | Y | 1% | | 0% | |
| **SLF (R)** | 1% | | 2% | | 2% | |
| **UNC (L)** | 0% | | 1% | | 1% | |
| **UNC (R)** | 7% | | 1% | | 0% | |
| **Genu** | 16% | | 1% | | 1% | |
| **Rostrum** | 1% | | 1% | | 0% | |
| **Splenium** | 1% | Y | 0% | | 0% | |

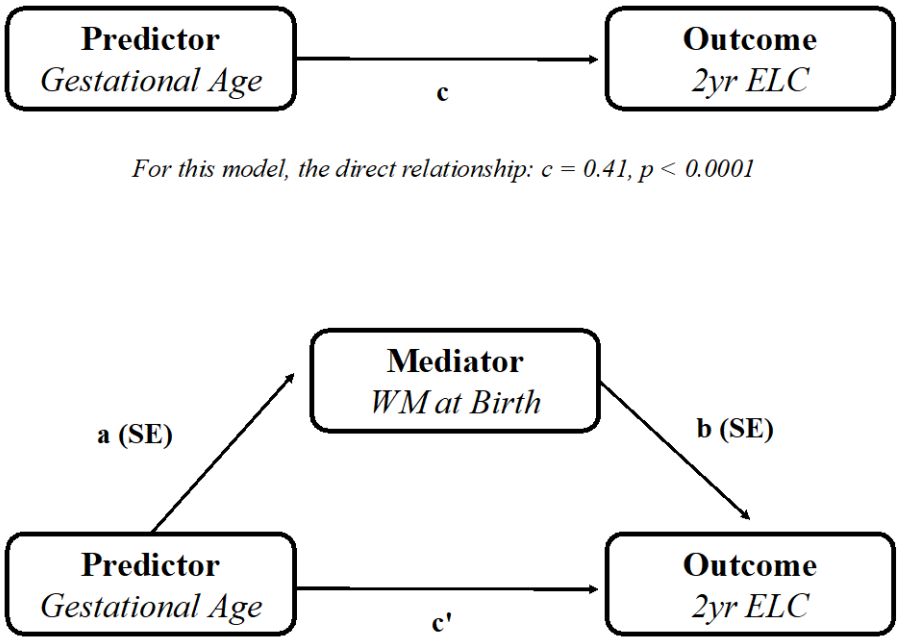
*Figure 1.1. Visualizations of neonatal and pediatric (1 and 2-year) atlas tracts.*
Black segments denote those which were excluded. A) ARC-TP-L, (B) Genu (indicated by black arrow, very small area of cropping), (C) Rostrum, (D) IFOF, (E) CF-M-L, (F) CT-Par-L, (G) UNC-R, (H) CF-M-L, (I) CF-M-R. The coloring of the tracts (green to yellow to red) is associated with the value of the arc length (location) along the tract; it is arbitrary (in that the value bears no influence on how the data were measured) but does span a positive-to-negative spectrum where the values invert at the center of the tract.



**Section 2: Mediation Analyses**

Mediation analyses were conducted as shown below in *Figure 2.1*. The model estimates a, b, and c' and their standard errors (SE) are reported along with Sobel test statistics in Tables 2.1 – 2.3 for FA, AD, and RD respectively.

*Figure 2.1. Mediation Model*




*For this model, the direct relationship: $c = 0.41$, $p < 0.0001$*

*Table 2.1. FA Mediation Model*

| | Full Model | | | GA and FA0 | | | FA0 and ELC2 (with GA) | | | Sobel Test | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Tract** | ***c'*** | ***c' SE*** | ***fdr pval*** | ***a*** | ***a SE*** | ***fdr pval*** | ***b*** | ***b SE*** | ***fdr pval*** | ***Tstat*** | ***SE*** | ***pval*** |
| ***ARC_FP_L*** | 0.43 | 0.08 | 3.1E-07 | 6.1E-04 | 8.9E-05 | 2.8E-10 | 36.22 | 49.63 | 0.77 | 0.73 | 0.03 | 0.47 |
| ***ARC_FP_R*** | 0.42 | 0.08 | 5.4E-07 | 4.3E-04 | 1.0E-04 | 3.7E-05 | 37.65 | 48.30 | 0.77 | 0.77 | 0.02 | 0.44 |
| ***ARC_FT_L*** | 0.43 | 0.08 | 1.1E-07 | 4.1E-04 | 7.6E-05 | 1.5E-07 | -36.14 | 54.48 | 0.77 | -0.66 | 0.02 | 0.51 |
| ***ARC_FT_R*** | 0.42 | 0.08 | 2.4E-07 | 4.9E-04 | 8.3E-05 | 1.7E-08 | 27.04 | 50.78 | 0.85 | 0.53 | 0.03 | 0.60 |
| ***ARC_TP_L*** | 0.48 | 0.09 | 3.1E-07 | 3.5E-04 | 6.9E-05 | 9.8E-07 | -62.61 | 85.47 | 0.77 | -0.73 | 0.03 | 0.47 |
| ***ARC_TP_R*** | 0.40 | 0.07 | 2.6E-07 | 3.3E-04 | 5.8E-05 | 7.7E-08 | 69.69 | 69.93 | 0.77 | 0.98 | 0.02 | 0.33 |
| ***CF_M_L*** | 0.43 | 0.07 | 1.0E-07 | 4.1E-04 | 8.8E-05 | 4.8E-06 | 5.42 | 45.99 | 0.97 | 0.12 | 0.02 | 0.91 |
| ***CF_M_R*** | 0.41 | 0.07 | 1.6E-07 | 4.4E-04 | 8.8E-05 | 1.1E-06 | 41.61 | 44.86 | 0.77 | 0.91 | 0.02 | 0.36 |
| ***Cing_L*** | 0.43 | 0.07 | 5.0E-08 | 1.1E-04 | 8.7E-05 | 1.9E-01 | -3.11 | 48.26 | 0.97 | -0.06 | 0.01 | 0.95 |
| ***Cing_R*** | 0.46 | 0.07 | 4.0E-08 | 1.9E-04 | 9.3E-05 | 3.9E-02 | -86.71 | 45.02 | 0.77 | -1.42 | 0.01 | 0.16 |
| ***CT_M_L*** | 0.43 | 0.07 | 1.0E-07 | 4.2E-04 | 7.9E-05 | 3.7E-07 | -4.67 | 52.19 | 0.97 | -0.09 | 0.02 | 0.93 |
| ***CT_M_R*** | 0.40 | 0.08 | 3.1E-07 | 4.8E-04 | 8.0E-05 | 1.2E-08 | 52.47 | 51.35 | 0.77 | 1.01 | 0.03 | 0.31 |
| ***CT_Par_L*** | 0.42 | 0.07 | 1.1E-07 | 4.5E-04 | 9.2E-05 | 1.7E-06 | 18.80 | 43.59 | 0.85 | 0.43 | 0.02 | 0.67 |
| ***CT_Par_R*** | 0.41 | 0.07 | 1.5E-07 | 5.1E-04 | 9.3E-05 | 1.5E-07 | 29.40 | 42.78 | 0.77 | 0.68 | 0.02 | 0.50 |
| ***CT_PFC_L*** | 0.44 | 0.08 | 1.1E-07 | 5.3E-04 | 8.3E-05 | 1.5E-09 | -21.74 | 52.70 | 0.85 | -0.41 | 0.03 | 0.68 |
| ***CT_PFC_R*** | 0.42 | 0.08 | 2.7E-07 | 5.4E-04 | 7.9E-05 | 2.2E-10 | 20.10 | 52.86 | 0.85 | 0.38 | 0.03 | 0.70 |
| ***CT_PM_L*** | 0.42 | 0.07 | 1.4E-07 | 4.0E-04 | 8.3E-05 | 3.3E-06 | 23.61 | 50.17 | 0.85 | 0.47 | 0.02 | 0.64 |
| ***CT_PM_R*** | 0.41 | 0.08 | 2.4E-07 | 5.0E-04 | 8.8E-05 | 6.5E-08 | 32.71 | 46.84 | 0.77 | 0.69 | 0.02 | 0.49 |
| ***IFOF_L*** | 0.39 | 0.08 | 1.5E-06 | 7.0E-04 | 9.5E-05 | 1.3E-11 | 54.33 | 44.81 | 0.77 | 1.20 | 0.03 | 0.23 |
| ***IFOF_R*** | 0.39 | 0.08 | 1.3E-06 | 6.9E-04 | 9.2E-05 | 5.5E-12 | 35.87 | 46.53 | 0.77 | 0.77 | 0.03 | 0.44 |
| ***ILF_L*** | 0.39 | 0.08 | 6.2E-07 | 5.9E-04 | 1.0E-04 | 1.9E-08 | 57.85 | 42.50 | 0.77 | 1.33 | 0.03 | 0.18 |
| ***ILF_R*** | 0.40 | 0.07 | 3.1E-07 | 5.5E-04 | 9.0E-05 | 1.2E-08 | 64.24 | 45.72 | 0.77 | 1.37 | 0.03 | 0.17 |
| ***SLF_L*** | 0.44 | 0.07 | 8.3E-08 | 3.8E-04 | 8.1E-05 | 5.8E-06 | -8.25 | 50.90 | 0.97 | -0.16 | 0.02 | 0.87 |
| ***SLF_R*** | 0.40 | 0.08 | 4.5E-07 | 2.6E-04 | 8.5E-05 | 2.4E-03 | 72.96 | 53.10 | 0.77 | 1.26 | 0.02 | 0.21 |
| ***UNC_L*** | 0.38 | 0.08 | 4.6E-06 | 6.9E-04 | 8.7E-05 | 7.9E-13 | 57.68 | 49.52 | 0.77 | 1.15 | 0.03 | 0.25 |
| ***UNC_R*** | 0.39 | 0.08 | 1.5E-06 | 7.4E-04 | 8.8E-05 | 4.1E-14 | 35.28 | 47.71 | 0.77 | 0.74 | 0.04 | 0.46 |
| ***Genu*** | 0.43 | 0.08 | 1.5E-07 | 8.3E-04 | 1.2E-04 | 2.6E-10 | -1.20 | 34.21 | 0.97 | -0.04 | 0.03 | 0.97 |
| ***Rost*** | 0.45 | 0.08 | 8.3E-08 | 8.6E-04 | 1.3E-04 | 1.1E-09 | -23.21 | 31.15 | 0.77 | -0.74 | 0.03 | 0.46 |
| ***Splen*** | 0.39 | 0.07 | 2.2E-07 | 3.3E-04 | 1.0E-04 | 1.8E-03 | 89.37 | 37.99 | 0.56 | 1.89 | 0.02 | 0.06 |

*Table 2.2. AD Mediation Model*

| | Full Model | | | GA and AD0 | | | AD0 and ELC2 (with GA) | | | Sobel Test | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Tract** | ***c'*** | ***c' SE*** | ***fdr pval*** | ***a*** | ***a SE*** | ***fdr pval*** | ***b*** | ***b SE*** | ***fdr pval*** | ***Tstat*** | ***SE*** | ***pval*** |
| ***ARC_FP_L*** | 0.43 | 0.08 | 3.1E-07 | -2.2E-06 | 3.2E-07 | 1.7E-10 | -1.9E+04 | 1.3E+04 | 0.75 | 1.40 | 0.03 | 0.16 |
| ***ARC_FP_R*** | 0.42 | 0.08 | 5.4E-07 | -1.7E-06 | 3.4E-07 | 7.5E-07 | -1.6E+04 | 1.4E+04 | 0.75 | 1.12 | 0.02 | 0.26 |
| ***ARC_FT_L*** | 0.43 | 0.08 | 1.1E-07 | -2.2E-06 | 3.3E-07 | 5.5E-10 | -2.4E+04 | 1.2E+04 | 0.75 | 1.88 | 0.03 | 0.06 |
| ***ARC_FT_R*** | 0.42 | 0.08 | 2.4E-07 | -1.9E-06 | 3.0E-07 | 5.5E-10 | -1.9E+04 | 1.4E+04 | 0.75 | 1.36 | 0.03 | 0.17 |
| ***ARC_TP_L*** | 0.48 | 0.09 | 3.1E-07 | -2.3E-06 | 3.8E-07 | 1.1E-08 | 4.0E+03 | 1.5E+04 | 0.92 | -0.26 | 0.03 | 0.79 |
| ***ARC_TP_R*** | 0.40 | 0.07 | 2.6E-07 | -2.2E-06 | 3.1E-07 | 1.1E-11 | -2.0E+04 | 1.3E+04 | 0.75 | 1.55 | 0.03 | 0.12 |
| ***CF_M_L*** | 0.43 | 0.07 | 1.0E-07 | -1.2E-06 | 2.0E-07 | 3.3E-08 | -1.2E+04 | 2.1E+04 | 0.92 | 0.56 | 0.02 | 0.58 |
| ***CF_M_R*** | 0.41 | 0.07 | 1.6E-07 | -1.1E-06 | 2.0E-07 | 3.5E-08 | -1.0E+04 | 2.0E+04 | 0.92 | 0.49 | 0.02 | 0.63 |
| ***Cing_L*** | 0.43 | 0.07 | 5.0E-08 | -2.4E-06 | 3.5E-07 | 7.0E-11 | -2.0E+03 | 1.2E+04 | 0.92 | 0.17 | 0.03 | 0.87 |
| ***Cing_R*** | 0.46 | 0.07 | 4.0E-08 | -2.3E-06 | 3.8E-07 | 9.1E-09 | -1.6E+04 | 1.1E+04 | 0.75 | 1.41 | 0.03 | 0.16 |
| ***CT_M_L*** | 0.43 | 0.07 | 1.0E-07 | -1.5E-06 | 2.2E-07 | 1.4E-10 | -2.7E+04 | 1.9E+04 | 0.75 | 1.38 | 0.03 | 0.17 |
| ***CT_M_R*** | 0.40 | 0.08 | 3.1E-07 | -1.5E-06 | 2.2E-07 | 9.4E-11 | -9.2E+03 | 1.9E+04 | 0.92 | 0.48 | 0.03 | 0.63 |
| ***CT_Par_L*** | 0.42 | 0.07 | 1.1E-07 | -1.3E-06 | 2.3E-07 | 2.1E-08 | -1.8E+04 | 1.8E+04 | 0.79 | 0.97 | 0.02 | 0.33 |
| ***CT_Par_R*** | 0.41 | 0.07 | 1.5E-07 | -1.5E-06 | 2.3E-07 | 7.1E-10 | -1.4E+04 | 1.8E+04 | 0.88 | 0.79 | 0.03 | 0.43 |
| ***CT_PFC_L*** | 0.44 | 0.08 | 1.1E-07 | -2.1E-06 | 2.8E-07 | 4.8E-13 | -4.1E+03 | 1.5E+04 | 0.92 | 0.28 | 0.03 | 0.78 |
| ***CT_PFC_R*** | 0.42 | 0.08 | 2.7E-07 | -2.2E-06 | 2.9E-07 | 1.2E-12 | -2.0E+03 | 1.4E+04 | 0.92 | 0.14 | 0.03 | 0.88 |
| ***CT_PM_L*** | 0.42 | 0.07 | 1.4E-07 | -1.8E-06 | 2.3E-07 | 2.5E-12 | -2.2E+04 | 1.8E+04 | 0.75 | 1.25 | 0.03 | 0.21 |
| ***CT_PM_R*** | 0.41 | 0.08 | 2.4E-07 | -1.8E-06 | 2.3E-07 | 4.8E-13 | -7.8E+03 | 1.8E+04 | 0.92 | 0.45 | 0.03 | 0.66 |
| ***IFOF_L*** | 0.39 | 0.08 | 1.5E-06 | -2.2E-06 | 3.2E-07 | 1.7E-10 | 3.1E+03 | 1.2E+04 | 0.92 | -0.26 | 0.03 | 0.80 |
| ***IFOF_R*** | 0.39 | 0.08 | 1.3E-06 | -2.3E-06 | 3.2E-07 | 1.0E-11 | -4.2E+03 | 1.2E+04 | 0.92 | 0.34 | 0.03 | 0.73 |
| ***ILF_L*** | 0.39 | 0.08 | 6.2E-07 | -2.0E-06 | 3.5E-07 | 6.6E-08 | -4.2E+03 | 1.1E+04 | 0.92 | 0.37 | 0.02 | 0.71 |
| ***ILF_R*** | 0.40 | 0.07 | 3.1E-07 | -2.0E-06 | 3.2E-07 | 3.1E-09 | -1.7E+04 | 1.2E+04 | 0.75 | 1.31 | 0.03 | 0.19 |
| ***SLF_L*** | 0.44 | 0.07 | 8.3E-08 | -1.8E-06 | 2.9E-07 | 6.2E-09 | -1.6E+04 | 1.4E+04 | 0.75 | 1.12 | 0.03 | 0.26 |
| ***SLF_R*** | 0.40 | 0.08 | 4.5E-07 | -1.8E-06 | 2.8E-07 | 5.5E-10 | -1.7E+04 | 1.7E+04 | 0.79 | 0.98 | 0.03 | 0.33 |
| ***UNC_L*** | 0.38 | 0.08 | 4.6E-06 | -3.0E-06 | 3.0E-07 | 6.5E-19 | -2.3E+03 | 1.4E+04 | 0.92 | 0.16 | 0.04 | 0.87 |
| ***UNC_R*** | 0.39 | 0.08 | 1.5E-06 | -2.9E-06 | 3.0E-07 | 4.7E-19 | -1.1E+04 | 1.3E+04 | 0.88 | 0.81 | 0.04 | 0.42 |
| ***Genu*** | 0.43 | 0.08 | 1.5E-07 | -2.6E-06 | 3.1E-07 | 1.5E-14 | -9.4E+03 | 1.3E+04 | 0.89 | 0.74 | 0.03 | 0.46 |
| ***Rost*** | 0.45 | 0.08 | 8.3E-08 | -3.1E-06 | 3.2E-07 | 4.4E-18 | -7.1E+03 | 1.2E+04 | 0.92 | 0.58 | 0.04 | 0.56 |
| ***Splen*** | 0.39 | 0.07 | 2.2E-07 | -1.7E-06 | 3.0E-07 | 5.2E-08 | 7.3E+02 | 1.3E+04 | 0.95 | -0.06 | 0.02 | 0.95 |

*Table 2.3. RD Mediation Model*

| | Full Model | | | GA and RD0 | | | RD0 and ELC2 (with GA) | | | Sobel Test | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Tract** | ***c'*** | ***c' SE*** | ***fdr pval*** | ***a*** | ***a SE*** | ***fdr pval*** | ***b*** | ***b SE*** | ***fdr pval*** | ***Tstat*** | ***SE*** | ***pval*** |
| ***ARC_FP_L*** | 0.43 | 0.08 | 3.1E-07 | -2.8E-06 | 3.8E-07 | 1.6E-12 | -1.4E+04 | 1.1E+04 | 0.70 | 1.26 | 0.03 | 0.21 |
| ***ARC_FP_R*** | 0.42 | 0.08 | 5.4E-07 | -2.2E-06 | 4.0E-07 | 1.0E-07 | -1.4E+04 | 1.2E+04 | 0.70 | 1.10 | 0.03 | 0.27 |
| ***ARC_FT_L*** | 0.43 | 0.08 | 1.1E-07 | -2.5E-06 | 3.4E-07 | 7.2E-12 | -1.3E+04 | 1.2E+04 | 0.70 | 1.07 | 0.03 | 0.29 |
| ***ARC_FT_R*** | 0.42 | 0.08 | 2.4E-07 | -2.4E-06 | 3.4E-07 | 7.6E-12 | -1.2E+04 | 1.2E+04 | 0.70 | 0.98 | 0.03 | 0.33 |
| ***ARC_TP_L*** | 0.48 | 0.09 | 3.1E-07 | -2.5E-06 | 3.7E-07 | 1.2E-10 | 8.6E+03 | 1.6E+04 | 0.74 | -0.54 | 0.04 | 0.59 |
| ***ARC_TP_R*** | 0.40 | 0.07 | 2.6E-07 | -2.5E-06 | 3.2E-07 | 2.5E-13 | -1.7E+04 | 1.2E+04 | 0.70 | 1.35 | 0.03 | 0.18 |
| ***CF_M_L*** | 0.43 | 0.07 | 1.0E-07 | -1.5E-06 | 2.2E-07 | 3.3E-11 | -9.8E+03 | 1.9E+04 | 0.74 | 0.52 | 0.03 | 0.60 |
| ***CF_M_R*** | 0.41 | 0.07 | 1.6E-07 | -1.6E-06 | 2.2E-07 | 7.1E-12 | -1.9E+04 | 1.9E+04 | 0.70 | 0.99 | 0.03 | 0.32 |
| ***Cing_L*** | 0.43 | 0.07 | 5.0E-08 | -1.9E-06 | 2.9E-07 | 3.3E-10 | -2.7E+03 | 1.4E+04 | 0.95 | 0.19 | 0.03 | 0.85 |
| ***Cing_R*** | 0.46 | 0.07 | 4.0E-08 | -2.0E-06 | 2.9E-07 | 1.5E-10 | -1.6E+03 | 1.5E+04 | 0.98 | 0.11 | 0.03 | 0.92 |
| ***CT_M_L*** | 0.43 | 0.07 | 1.0E-07 | -1.8E-06 | 2.4E-07 | 1.3E-12 | -1.4E+04 | 1.8E+04 | 0.70 | 0.81 | 0.03 | 0.42 |
| ***CT_M_R*** | 0.40 | 0.08 | 3.1E-07 | -2.0E-06 | 2.5E-07 | 1.2E-13 | -1.7E+04 | 1.7E+04 | 0.70 | 1.01 | 0.03 | 0.31 |
| ***CT_Par_L*** | 0.42 | 0.07 | 1.1E-07 | -1.7E-06 | 2.6E-07 | 1.5E-10 | -1.3E+04 | 1.6E+04 | 0.70 | 0.83 | 0.03 | 0.41 |
| ***CT_Par_R*** | 0.41 | 0.07 | 1.5E-07 | -2.0E-06 | 2.7E-07 | 2.7E-12 | -1.6E+04 | 1.5E+04 | 0.70 | 1.07 | 0.03 | 0.29 |
| ***CT_PFC_L*** | 0.44 | 0.08 | 1.1E-07 | -2.8E-06 | 3.3E-07 | 1.1E-14 | 6.4E+02 | 1.2E+04 | 0.99 | -0.05 | 0.03 | 0.96 |
| ***CT_PFC_R*** | 0.42 | 0.08 | 2.7E-07 | -2.8E-06 | 3.4E-07 | 1.3E-14 | -3.8E+03 | 1.2E+04 | 0.88 | 0.31 | 0.03 | 0.76 |
| ***CT_PM_L*** | 0.42 | 0.07 | 1.4E-07 | -2.1E-06 | 2.7E-07 | 2.5E-13 | -1.8E+04 | 1.6E+04 | 0.70 | 1.13 | 0.03 | 0.26 |
| ***CT_PM_R*** | 0.41 | 0.08 | 2.4E-07 | -2.3E-06 | 2.7E-07 | 1.1E-14 | -1.2E+04 | 1.5E+04 | 0.70 | 0.80 | 0.03 | 0.42 |
| ***IFOF_L*** | 0.39 | 0.08 | 1.5E-06 | -3.0E-06 | 3.5E-07 | 2.1E-15 | -6.1E+03 | 1.2E+04 | 0.74 | 0.51 | 0.04 | 0.61 |
| ***IFOF_R*** | 0.39 | 0.08 | 1.3E-06 | -3.0E-06 | 3.4E-07 | 1.2E-15 | -7.0E+03 | 1.2E+04 | 0.74 | 0.59 | 0.04 | 0.56 |
| ***ILF_L*** | 0.39 | 0.08 | 6.2E-07 | -2.7E-06 | 3.5E-07 | 3.2E-13 | -1.1E+04 | 1.2E+04 | 0.70 | 0.95 | 0.03 | 0.34 |
| ***ILF_R*** | 0.40 | 0.07 | 3.1E-07 | -2.6E-06 | 3.2E-07 | 1.5E-14 | -2.3E+04 | 1.3E+04 | 0.70 | 1.75 | 0.03 | 0.08 |
| ***SLF_L*** | 0.44 | 0.07 | 8.3E-08 | -2.1E-06 | 3.1E-07 | 6.8E-11 | -8.2E+03 | 1.3E+04 | 0.74 | 0.60 | 0.03 | 0.55 |
| ***SLF_R*** | 0.40 | 0.08 | 4.5E-07 | -2.0E-06 | 3.1E-07 | 1.4E-09 | -2.1E+04 | 1.5E+04 | 0.70 | 1.38 | 0.03 | 0.17 |
| ***UNC_L*** | 0.38 | 0.08 | 4.6E-06 | -3.6E-06 | 3.5E-07 | 3.5E-20 | -9.4E+03 | 1.2E+04 | 0.70 | 0.78 | 0.04 | 0.43 |
| ***UNC_R*** | 0.39 | 0.08 | 1.5E-06 | -3.6E-06 | 3.4E-07 | 2.1E-21 | -1.0E+04 | 1.2E+04 | 0.70 | 0.87 | 0.04 | 0.38 |
| ***Genu*** | 0.43 | 0.08 | 1.5E-07 | -3.7E-06 | 4.3E-07 | 1.3E-15 | -4.9E+03 | 9.5E+03 | 0.74 | 0.52 | 0.04 | 0.61 |
| ***Rost*** | 0.45 | 0.08 | 8.3E-08 | -3.9E-06 | 4.2E-07 | 1.5E-17 | 1.6E+02 | 9.7E+03 | 0.99 | -0.02 | 0.04 | 0.99 |
| ***Splen*** | 0.39 | 0.07 | 2.2E-07 | -1.8E-06 | 3.2E-07 | 1.3E-08 | -2.0E+04 | 1.3E+04 | 0.70 | 1.48 | 0.02 | 0.14 |

**Section 3: Preterm vs. Full-term Samples**

The sample was split by full-term (≥37 weeks gestation) and preterm (< 37 weeks gestation) and results are compared.

*Figure 3.1. Unadjusted Correlations between WM at Birth and Cognition at 1 and 2 in Full-term and Preterm Samples*

Unadjusted (raw) correlations between WM at birth and MSEL scores at ages 1 and 2 are shown for full-term (FT) and preterm (PT) samples. Correlations are presented in order to compare the direction and magnitude of effect sizes can be visualized; very few results survive FDR correction.

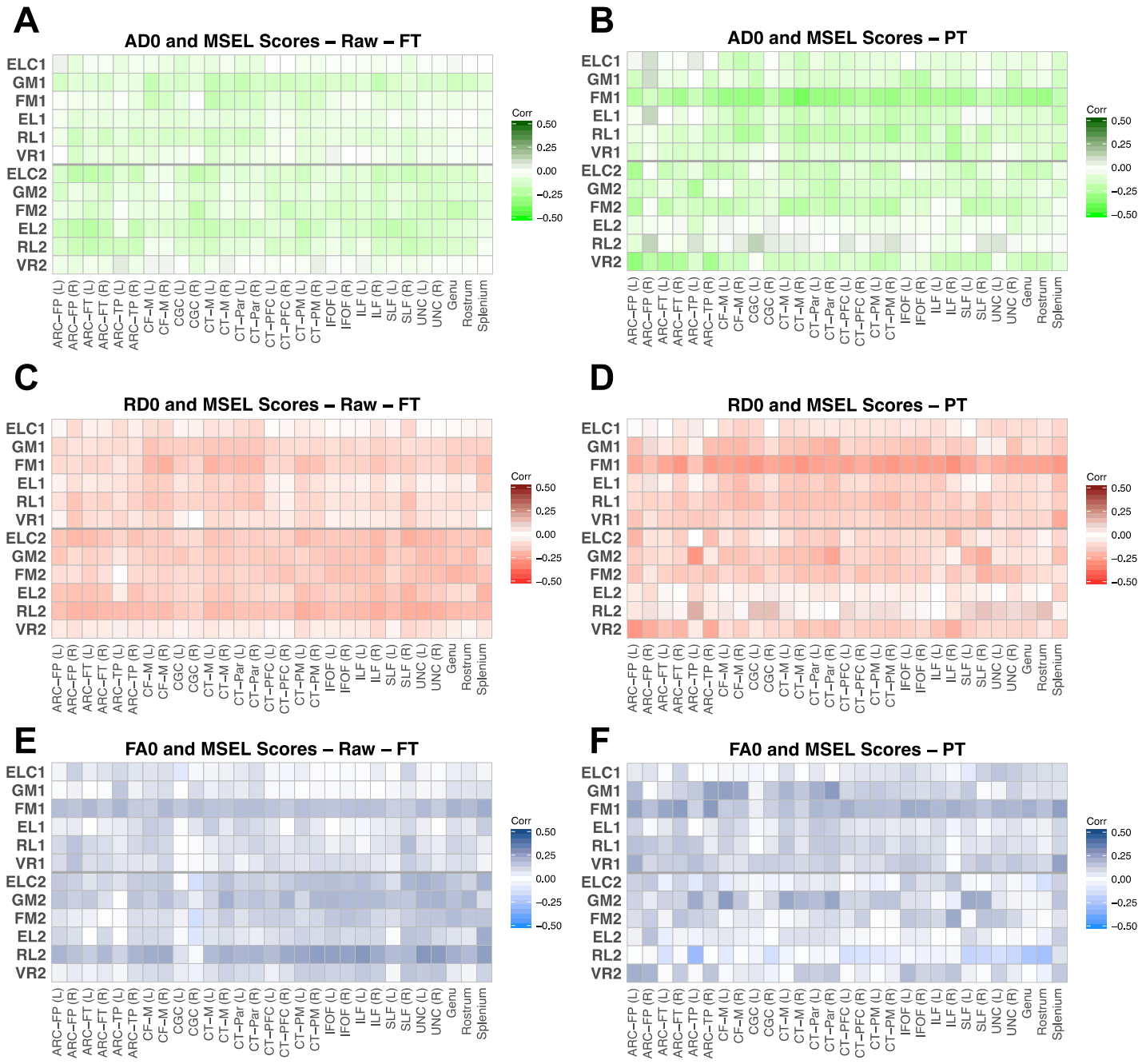


*Figure 3.2. Adjusted Correlations between WM at Birth and Cognition at 1 in Full-term and Preterm Samples*
Adjusted correlations (corrected for gestational age at birth, sex, gestation number, maternal education, age at testing, MSEL test date, and scanner variables) between WM at birth and MSEL scores at ages 1 are shown for full-term (FT) and preterm (PT) samples. Correlations are presented in order to compare the direction and magnitude of effect sizes can be visualized; very few results survive FDR correction.

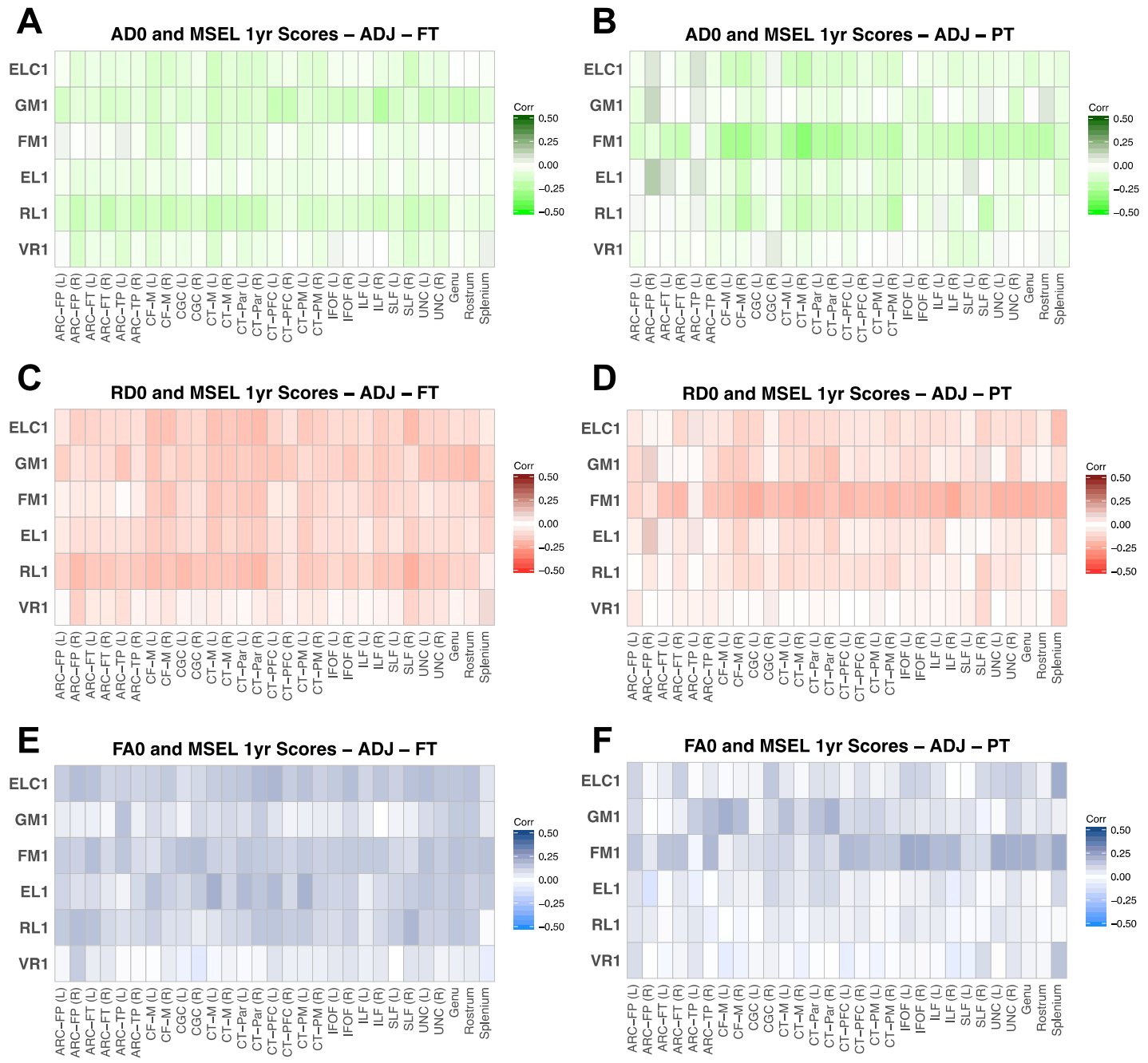


*Figure 3.3. Unadjusted Correlations between WM at Age 1 and Cognition at 1 in Full-term and Preterm Samples*
Unadjusted (raw) correlations between WM at age 1 and MSEL scores at age 1 are shown for full-term (FT) and preterm (PT) samples. Correlations are presented in order to compare the direction and magnitude of effect sizes can be visualized; very few results survive FDR correction.

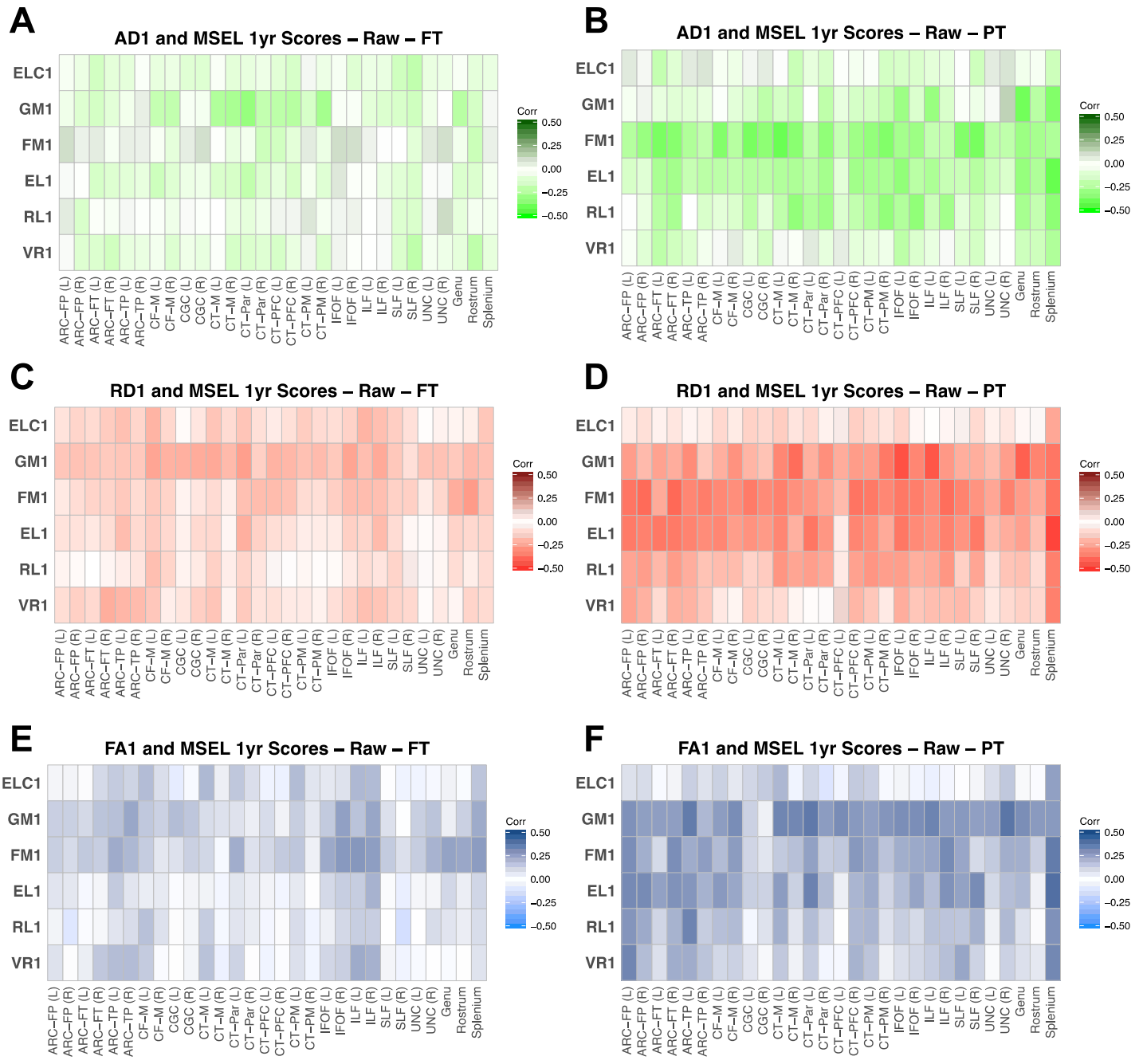


*Figure 3.4. Adjusted Correlations between WM at Age 1 and Cognition at 1 in Full-term and Preterm Samples*
Adjusted correlations (corrected for gestational age at birth, sex, gestation number, maternal education, age at testing, MSEL test date, and scanner variables) between WM at age 1 and MSEL scores at ages 1 are shown for full-term (FT) and preterm (PT) samples. Correlations are presented in order to compare the direction and magnitude of effect sizes can be visualized; very few results survive FDR correction.

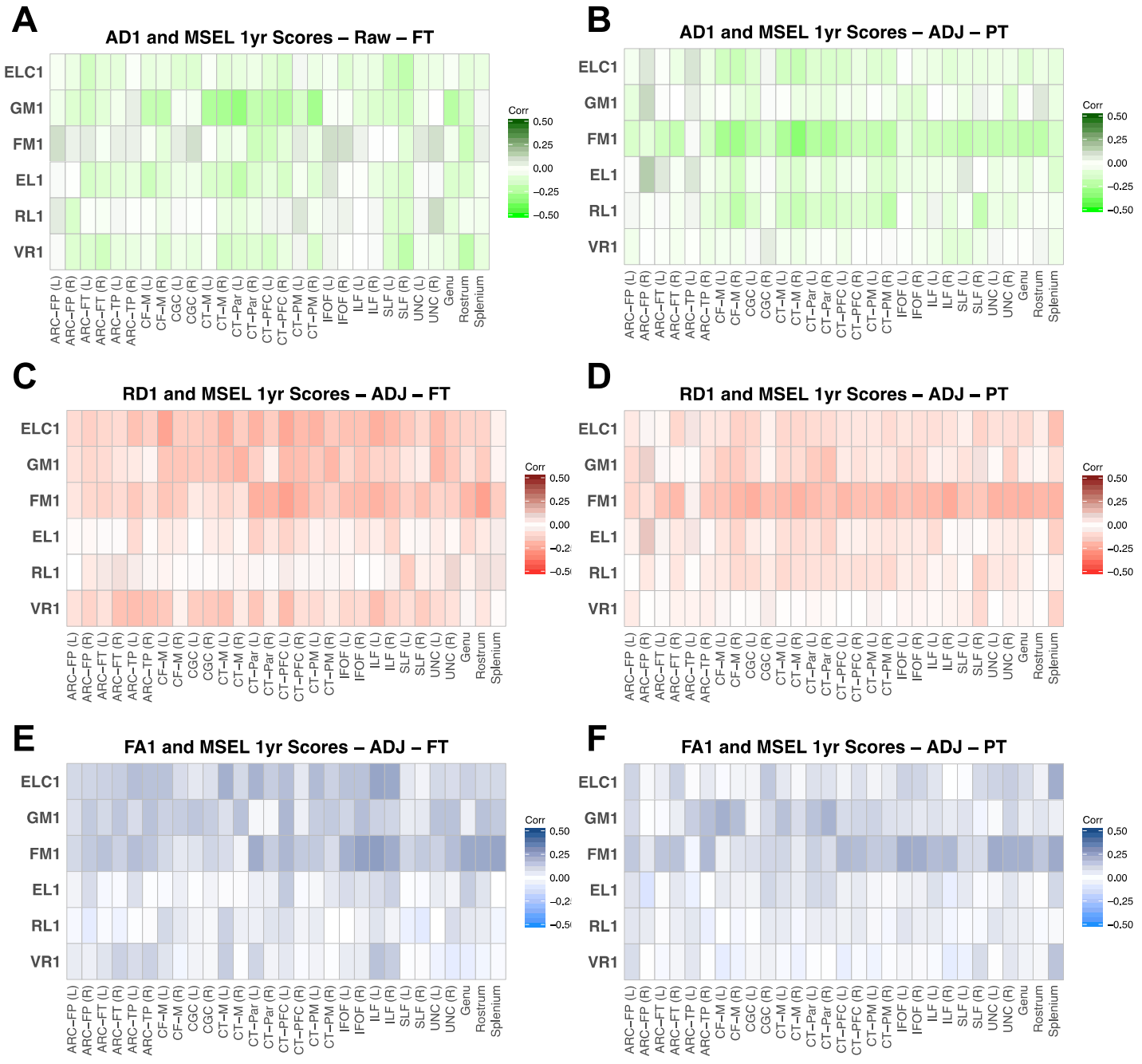


*Table 3.1. Longitudinal Mixed Model Results in the Preterm Sample*

Mixed models predicting MSEL scores at age 2 from longitudinal tract-based WM were conducted. Findings which were significant for the full sample are shown below for the preterm-only sample for comparison. Models were corrected for gestational age at birth, sex, gestation number, maternal education, age at testing, MSEL test date, and scanner variables. No results survived FDR correction.

| | | | | | Preterm | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Tract** | **MSEL Score** | **Effect** | **Estimate[a]** | **Trend[b]** | **Std. Error[c]** | **DF[d]** | **FDR Pval[f]** | **N Subs[g]** | **N Obs[h]** |
| **SLF (R)** | ELC2 | $dAD_{2,1}$ | 3.50E+05 | *Slower Decrease, Higher Score* | 8.86E+04 | 9 | 0.10 | 23 | 21 |
| **UNC (L)** | GM2 | $dFA_{1,0}$ | -3.31E+01 | *Slower Increase, Higher Score* | 2.97E+01 | 13 | 0.94 | 28 | 26 |
| **ARC-FT (L)** | RL2 | $dRD_{2,1}$ | -2.95E+04 | *Faster Decrease, Higher Score* | 5.39E+04 | 13 | 0.88 | 28 | 26 |
| **ARC-FT (R)** | RL2 | $dRD_{2,1}$ | 4.90E+03 | *Slower Decrease, Higher Score* | 5.00E+04 | 11 | 0.96 | 26 | 24 |
| **ARC-TP (R)** | RL2 | $dRD_{2,1}$ | 2.83E+04 | *Slower Decrease, Higher Score* | 3.35E+04 | 13 | 0.88 | 28 | 26 |
| **CF-M (L)** | RL2 | $dRD_{2,1}$ | -3.19E+04 | *Faster Decrease, Higher Score* | 2.12E+04 | 13 | 0.88 | 28 | 26 |
| **CF-M (R)** | RL2 | $dRD_{2,1}$ | -1.18E+05 | *Faster Decrease, Higher Score* | 4.43E+04 | 13 | 0.57 | 28 | 26 |
| **CGC (L)** | RL2 | $dRD_{2,1}$ | -2.36E+04 | *Faster Decrease, Higher Score* | 3.54E+04 | 13 | 0.88 | 28 | 26 |
| **CT-M (L)** | RL2 | $dRD_{2,1}$ | -2.62E+04 | *Faster Decrease, Higher Score* | 3.26E+04 | 13 | 0.88 | 28 | 26 |
| **CT-M (R)** | RL2 | $dRD_{2,1}$ | -1.55E+04 | *Faster Decrease, Higher Score* | 3.23E+04 | 13 | 0.88 | 28 | 26 |
| **CT-Par (R)** | RL2 | $dRD_{2,1}$ | -5.32E+04 | *Faster Decrease, Higher Score* | 4.26E+04 | 13 | 0.88 | 28 | 26 |
| **CT-PM (R)** | RL2 | $dRD_{2,1}$ | -1.22E+04 | *Faster Decrease, Higher Score* | 3.01E+04 | 13 | 0.88 | 28 | 26 |
| **IFOF (L)** | RL2 | $dRD_{2,1}$ | 2.31E+04 | *Slower Decrease, Higher Score* | 4.25E+04 | 13 | 0.88 | 28 | 26 |
| **ILF (L)** | RL2 | $dRD_{2,1}$ | 1.15E+04 | *Slower Decrease, Higher Score* | 5.89E+04 | 10 | 0.96 | 25 | 23 |
| **SLF (L)** | RL2 | $dRD_{2,1}$ | -3.37E+04 | *Faster Decrease, Higher Score* | 3.79E+04 | 12 | 0.88 | 27 | 25 |
| **CT-PFC (L)** | RL2 | $dRD_{2,1}$ | 1.13E+04 | *Slower Decrease, Higher Score* | 2.51E+04 | 13 | 0.88 | 28 | 26 |

*Table 3.2. Longitudinal Mixed Model Results in the Full-term Sample*

Mixed models predicting MSEL scores at age 2 from longitudinal tract-based WM were conducted. Findings which were significant for the full sample are shown below for the full-term-only sample for comparison. Models were corrected for gestational age at birth, sex, gestation number, maternal education, age at testing, MSEL test date, and scanner variables. No results survived FDR correction.

| | | | | | Full-Term | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Tract** | **MSEL Score** | **Effect** | **Estimate[a]** | **Trend[b]** | **Std. Error[c]** | **DF[d]** | **FDR Pval[f]** | **N Subs[g]** | **N Obs[h]** |
| **SLF (R)** | ELC2 | $dAD_{2,1}$ | 9.87E+04 | *Slower Decrease, Higher Score* | 7.61E+04 | 22 | 0.84 | 36 | 35 |
| **UNC (L)** | GM2 | $dFA_{1,0}$ | 8.87E+00 | *Faster Increase, Higher Score* | 3.17E+01 | 26 | 1.00 | 40 | 39 |
| **ARC-FT (L)** | RL2 | $dRD_{2,1}$ | 3.86E+04 | *Slower Decrease, Higher Score* | 2.40E+04 | 26 | 0.71 | 30 | 39 |
| **ARC-FT (R)** | RL2 | $dRD_{2,1}$ | 3.71E+04 | *Slower Decrease, Higher Score* | 2.57E+04 | 27 | 0.71 | 40 | 40 |
| **ARC-TP (R)** | RL2 | $dRD_{2,1}$ | 3.40E+04 | *Slower Decrease, Higher Score* | 2.12E+04 | 27 | 0.71 | 40 | 40 |
| **CF-M (L)** | RL2 | $dRD_{2,1}$ | -1.12E+04 | *Faster Decrease, Higher Score* | 2.19E+04 | 26 | 0.99 | 40 | 39 |
| **CF-M (R)** | RL2 | $dRD_{2,1}$ | 1.56E+03 | *Slower Decrease, Higher Score* | 2.52E+04 | 26 | 0.99 | 40 | 39 |
| **CGC (L)** | RL2 | $dRD_{2,1}$ | 4.92E+04 | *Slower Decrease, Higher Score* | 2.41E+04 | 24 | 0.71 | 38 | 37 |
| **CT-M (L)** | RL2 | $dRD_{2,1}$ | 8.85E+03 | *Slower Decrease, Higher Score* | 2.62E+04 | 27 | 0.99 | 41 | 40 |
| **CT-M (R)** | RL2 | $dRD_{2,1}$ | -4.72E+03 | *Faster Decrease, Higher Score* | 2.49E+04 | 27 | 0.99 | 41 | 40 |
| **CT-Par (R)** | RL2 | $dRD_{2,1}$ | 8.38E+03 | *Slower Decrease, Higher Score* | 1.62E+04 | 27 | 0.08 | 41 | 40 |
| **CT-PM (R)** | RL2 | $dRD_{2,1}$ | -1.36E+03 | *Faster Decrease, Higher Score* | 2.36E+04 | 27 | 0.99 | 41 | 40 |
| **IFOF (L)** | RL2 | $dRD_{2,1}$ | 1.79E+04 | *Slower Decrease, Higher Score* | 2.10E+04 | 27 | 0.99 | 41 | 40 |
| **ILF (L)** | RL2 | $dRD_{2,1}$ | 2.57E+04 | *Slower Decrease, Higher Score* | 1.93E+04 | 24 | 0.71 | 38 | 37 |
| **SLF (L)** | RL2 | $dRD_{2,1}$ | 5.99E+03 | *Slower Decrease, Higher Score* | 1.79E+04 | 24 | 0.99 | 38 | 37 |
| **CT-PFC (L)** | RL2 | $dRD_{2,1}$ | -2.39E+04 | *Faster Decrease, Higher Score* | 2.06E+04 | 26 | 0.82 | 40 | 39 |

[a]Model estimate

[b]Trend: higher MSEL scores at age 2 are predicted by slower decreases over time in AD or RD (positive estimates), slower increases in FA (negative estimates), faster decreases in AD or RD, or greater FA at birth (positive estimate).

[c]Standard error

[d]Degrees of freedom

[f]FDR-corrected p-value

[g]Number of unique subjects in the analysis

[h]Number of total subjects in the analysis, treating one twin from each pair as repeated measures

**Section 4: Twin versus Singleton Samples**

The sample was split into twins and singletons and for unadjusted correlations which are not controlled for gestation number.

*Figure 4.1. Unadjusted Correlations between WM at Birth and Cognition at 1 and 2 in Twin and Singleton Samples*

Unadjusted (raw) correlations between WM at birth and MSEL scores at ages 1 and 2 are shown for twins and singletons. Correlations are presented in order to compare the direction and magnitude of effect sizes can be visualized; very few results survive FDR correction.

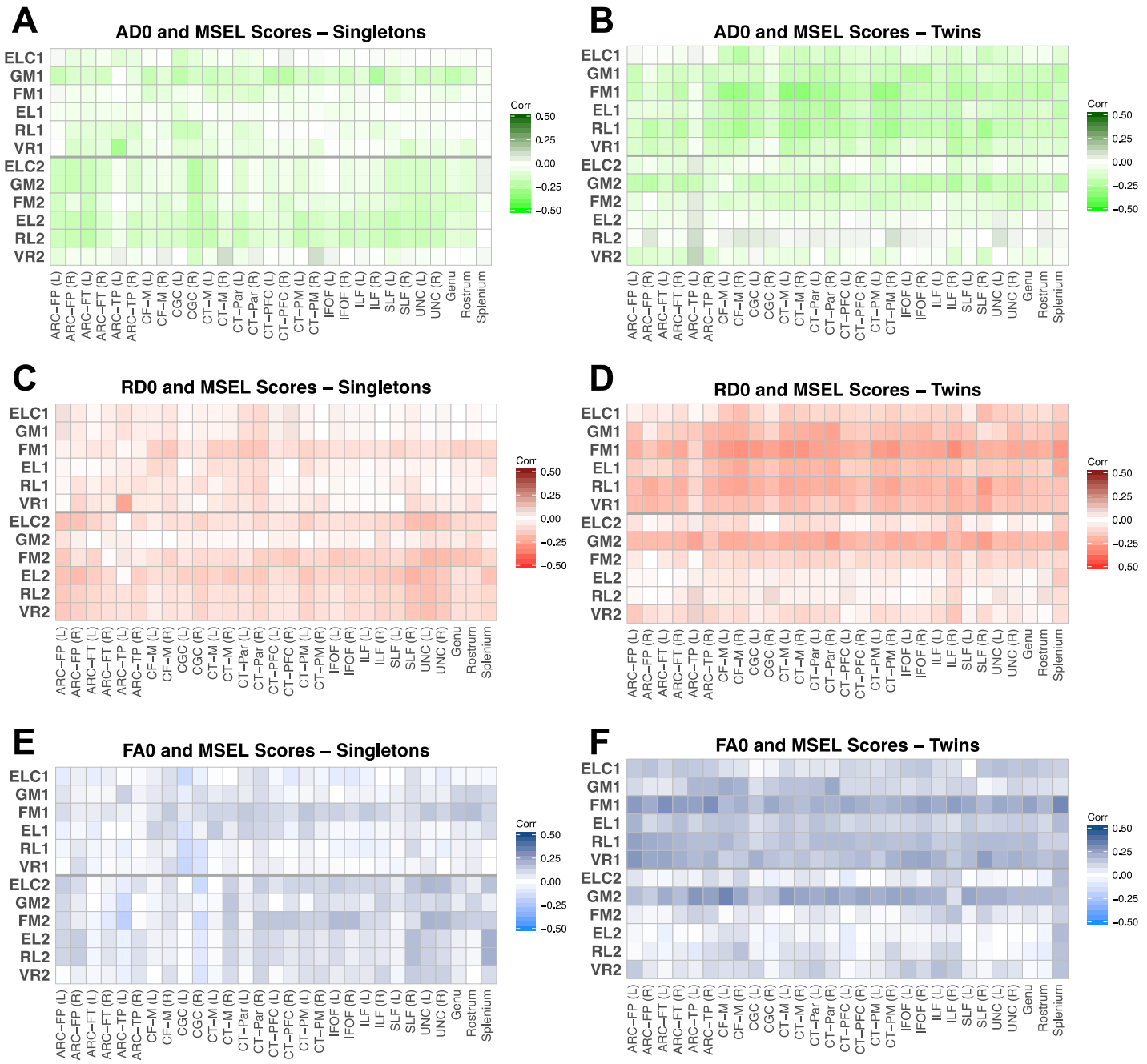


*Figure 4.2. Unadjusted Correlations between WM at Age 1 and Cognition at 1 and 2 in Twin and Singleton Samples*
Unadjusted (raw) correlations between WM at age 1 and MSEL scores at ages 1 and 2 are shown for twins and singletons. Correlations are presented in order to compare the direction and magnitude of effect sizes can be visualized; very few results survive FDR correction.

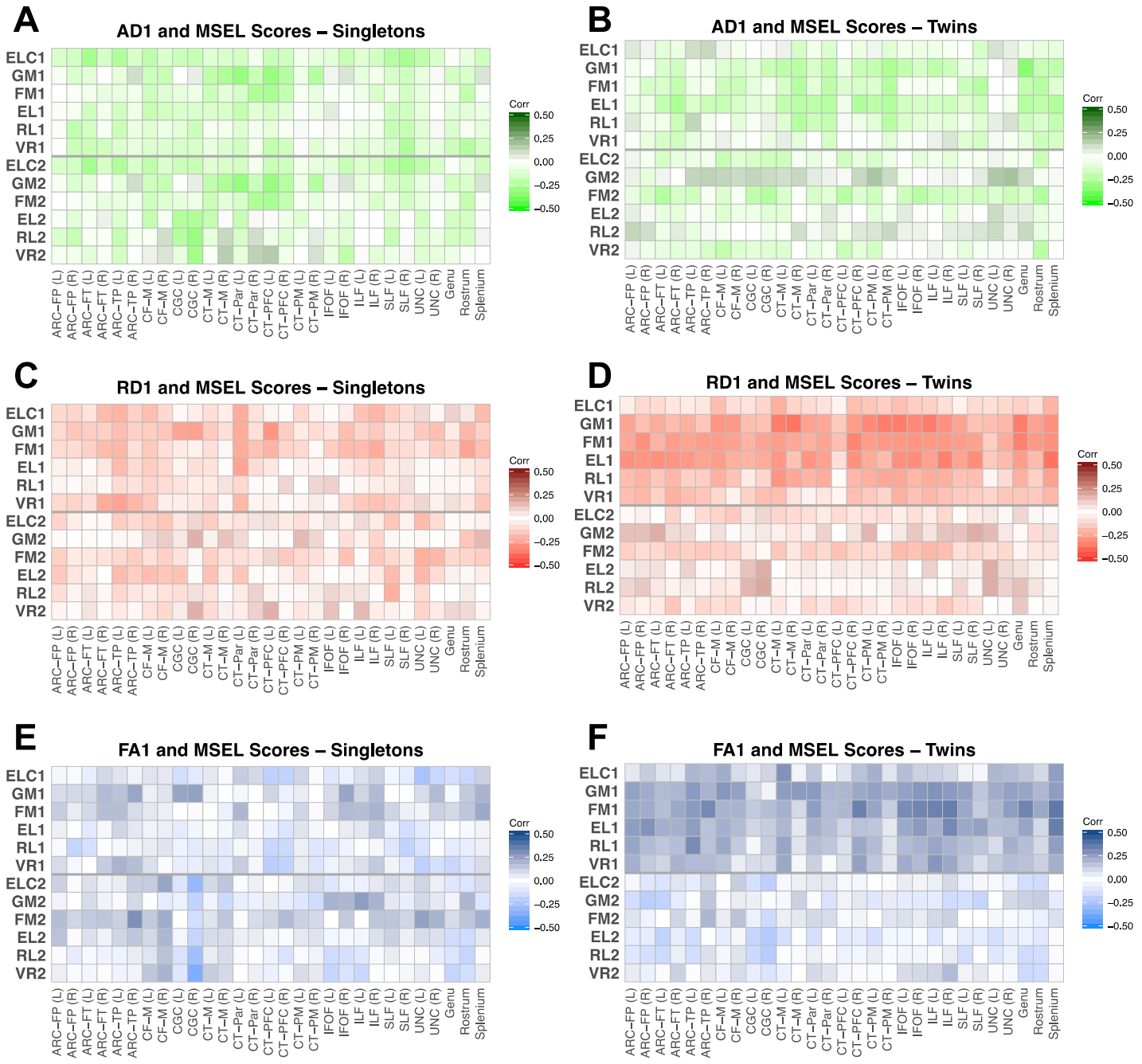
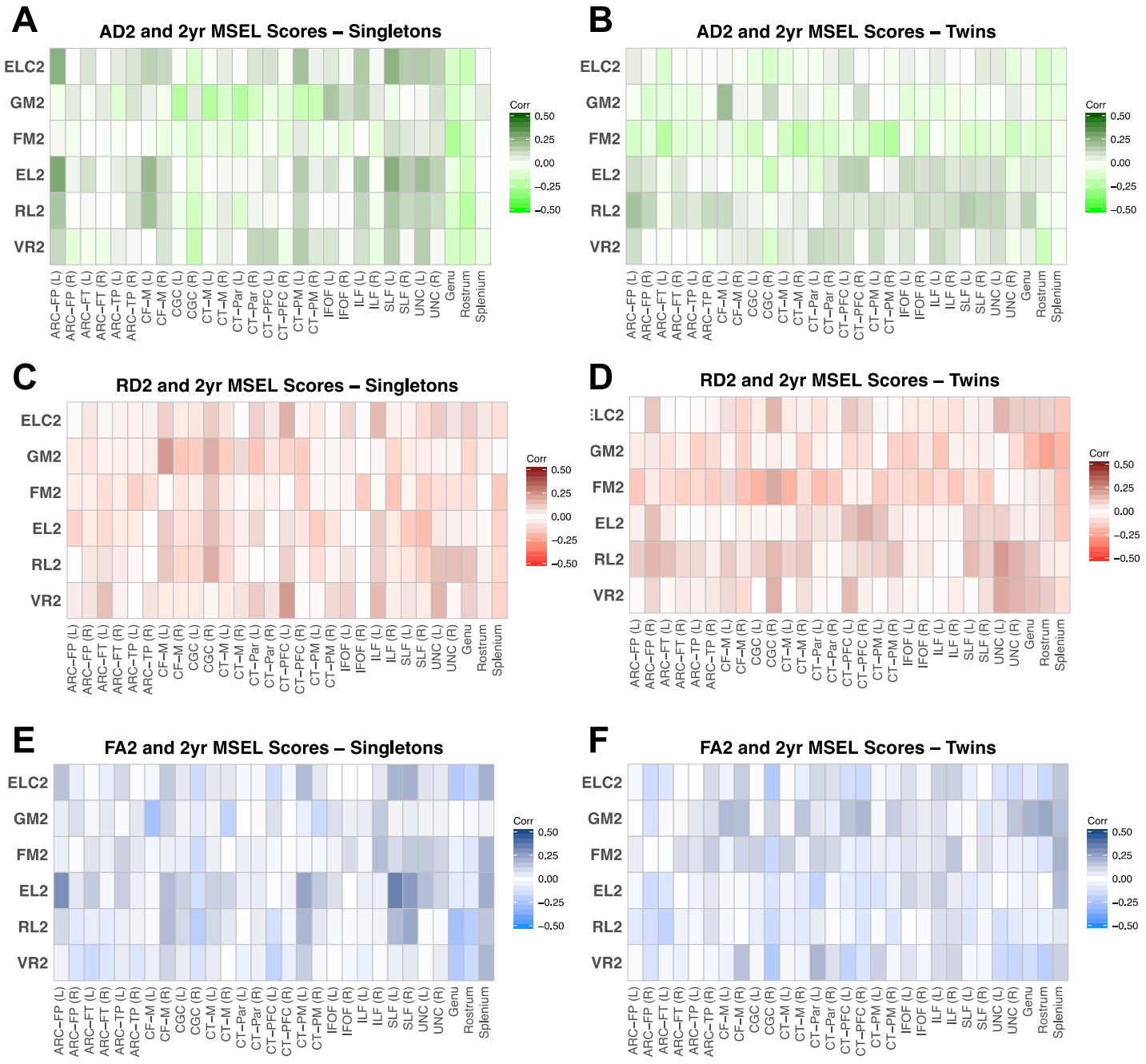


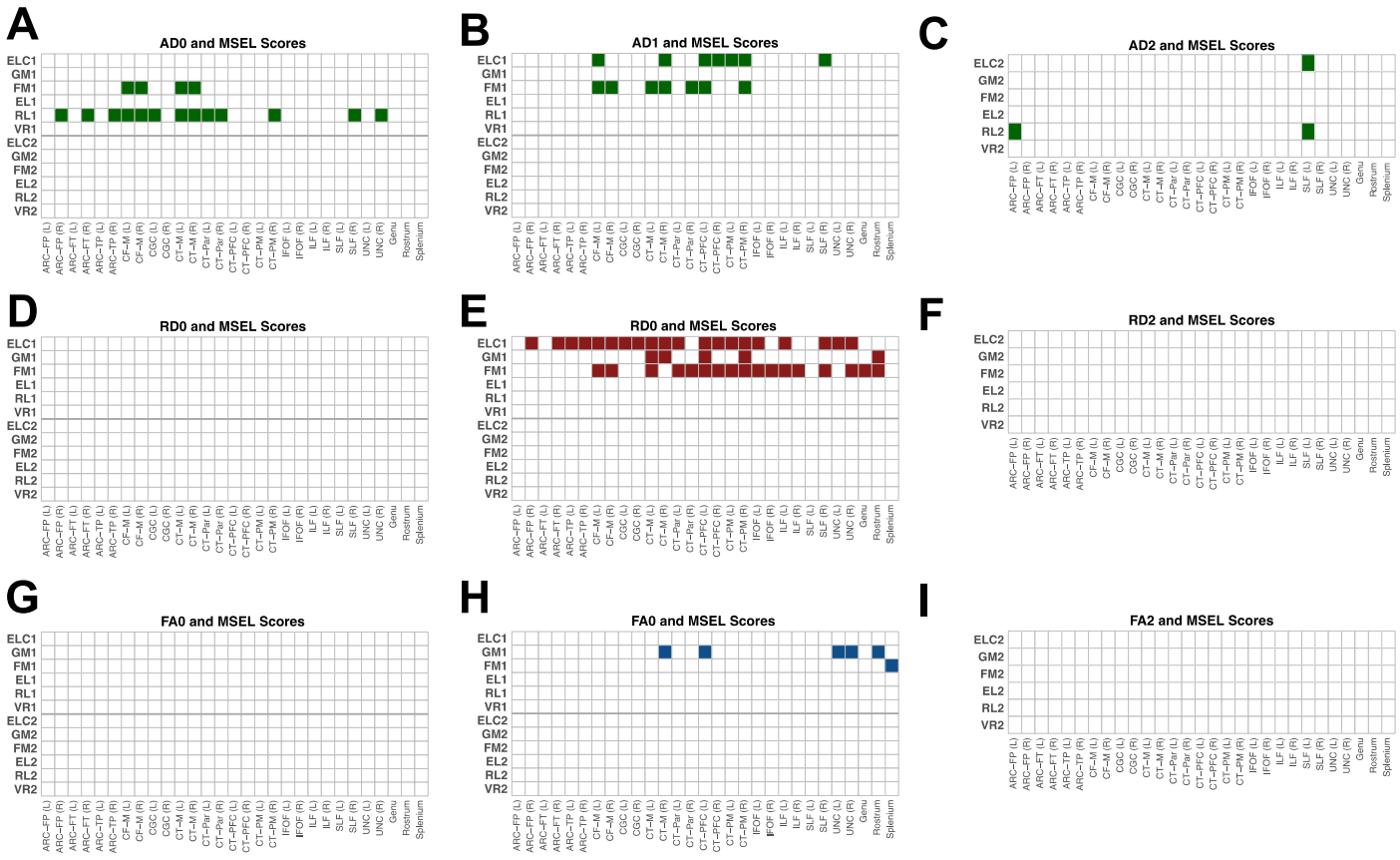
*Figure 4.3. Unadjusted Correlations between WM at Age 2 and Cognition at 2 in Twin and Singleton Samples*
Unadjusted (raw) correlations between WM at age 2 and MSEL scores at age 2 are shown for twins and singletons. Correlations are presented in order to compare the direction and magnitude of effect sizes can be visualized; very few results survive FDR correction.



## Section 5: Mixed Effects Models

Primary findings were replicated using mixed effects models to account for the relatedness between twin participants, as one twin from each pair is treated as a repeated measure.

*Figure 5.1. Mixed Model Findings between WM in Neonates, 1-yr-olds, and 2-yr-olds and Cognition at 1*
Mixed effect models corrected for gestational age at birth, sex, gestation number, maternal education, age at testing, MSEL test date, and scanner variables are presented for associations between WM in neonates, 1-yr-olds and 2-yr-olds and MSEL scores at ages 1 and 2. Shaded block represent results which survive FDR correction.



## Section 6: Correcting Correlations between WM and Cognition for Age and Sex Only

*Table 6.1.a: Comparison between Age-Sex Corrected and Unadjusted Correlations – AD at birth and MSEL Scores at age 1*

Tables display Pearson's correlations by each tract with FDR-corrected p-values. Age-Sex models are corrected for gestational age at birth and age at MSEL 1-year testing. Cells highlighted in yellow are significant in one model (i.e. unadjusted *or* Age-Sex), cells in yellow are significant in both models, and cells highlighted in gray are of a similar magnitude/trend to those significant in the other model.

| | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | AD 0 - ELC 1 | | AD 0 - ELC 1 | | AD 0 - GM 1 | | AD 0 - GM1 | | AD 0 - FM 1 | | AD 0 - FM1 | | AD 0 - EL 1 | | AD 0 - EL1 | | AD 0 - RL 1 | | AD 0 - RL1 | | AD 0 - VR 1 | | AD 0 - VR1 | |
| Tract | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* |
| ARC_FP_L | 0.01 | 0.83 | 0.00 | 0.96 | -0.11 | 0.12 | -0.13 | 0.06 | 0.01 | 0.85 | -0.14 | 0.0214+ | 0.01 | 0.88 | -0.07 | 0.27 | 0.03 | 0.64 | -0.07 | 0.25 | 0.01 | 0.91 | -0.04 | 0.49 |
| ARC_FP_R | -0.04 | 0.56 | -0.06 | 0.40 | -0.04 | 0.54 | -0.04 | 0.50 | -0.02 | 0.73 | -0.10 | 0.13 | -0.03 | 0.80 | -0.07 | 0.29 | -0.11 | 0.13 | -0.14 | 0.0436+ | -0.08 | 0.79 | -0.11 | 0.25 |
| ARC_FT_L | -0.05 | 0.49 | -0.06 | 0.40 | -0.06 | 0.30 | -0.08 | 0.18 | -0.04 | 0.51 | -0.14 | 0.0193+ | -0.02 | 0.80 | -0.08 | 0.21 | -0.07 | 0.25 | -0.11 | 0.09 | -0.05 | 0.79 | -0.09 | 0.25 |
| ARC_FT_R | 0.05 | 0.49 | 0.05 | 0.40 | -0.08 | 0.23 | 0.10 | 0.11 | 0.07 | 0.42 | -0.18 | 0.0034++ | 0.04 | 0.70 | 0.10 | 0.11 | 0.11 | 0.13 | -0.15 | 0.0187+ | 0.03 | 0.79 | -0.09 | 0.25 |
| ARC_TP_L | -0.02 | 0.80 | -0.06 | 0.40 | -0.04 | 0.57 | -0.05 | 0.51 | 0.03 | 0.73 | -0.08 | 0.26 | 0.01 | 0.94 | -0.08 | 0.26 | -0.07 | 0.36 | -0.08 | 0.24 | -0.07 | 0.79 | -0.12 | 0.25 |
| ARC_TP_R | -0.06 | 0.47 | -0.06 | 0.40 | -0.06 | 0.33 | -0.08 | 0.16 | -0.05 | 0.42 | -0.17 | 0.0036++ | -0.06 | 0.53 | -0.13 | 0.06 | -0.12 | 0.09 | -0.15 | 0.0187+ | -0.03 | 0.79 | -0.09 | 0.25 |
| CF_M_L | 0.12 | 0.12 | 0.11 | 0.24 | -0.11 | 0.12 | -0.13 | 0.06 | -0.16 | 0.0274+ | -0.25 | <.0001+++ | 0.08 | 0.53 | -0.12 | 0.06 | -0.11 | 0.13 | -0.14 | 0.0326+ | -0.05 | 0.79 | -0.10 | 0.25 |
| CF_M_R | 0.15 | 0.09 | 0.14 | 0.17 | -0.09 | 0.19 | -0.10 | 0.11 | -0.17 | 0.0274+ | -0.24 | <.0001+++ | -0.13 | 0.43 | -0.17 | 0.0397+ | -0.17 | 0.0443+ | -0.18 | 0.0154+ | -0.05 | 0.79 | -0.08 | 0.27 |
| Cing_L | -0.15 | 0.09 | -0.15 | 0.17 | -0.14 | 0.10 | -0.14 | 0.06 | -0.12 | 0.15 | -0.19 | 0.0018++ | -0.12 | 0.43 | -0.15 | 0.0397+ | -0.17 | 0.0443+ | -0.17 | 0.0154+ | -0.05 | 0.79 | -0.06 | 0.40 |
| Cing_R | -0.06 | 0.47 | -0.08 | 0.34 | -0.07 | 0.27 | -0.08 | 0.19 | -0.04 | 0.51 | -0.12 | 0.0404+ | -0.06 | 0.63 | -0.10 | 0.14 | -0.12 | 0.10 | -0.13 | 0.05 | -0.01 | 0.91 | -0.03 | 0.61 |
| CT_M_L | 0.14 | 0.09 | 0.12 | 0.21 | -0.11 | 0.12 | -0.14 | 0.06 | -0.16 | 0.0274+ | -0.27 | <.0001+++ | 0.07 | 0.53 | -0.13 | 0.06 | -0.14 | 0.07 | -0.17 | 0.0154+ | -0.07 | 0.79 | -0.13 | 0.25 |
| CT_M_R | -0.14 | 0.09 | -0.12 | 0.21 | -0.10 | 0.12 | -0.13 | 0.06 | -0.18 | 0.0274+ | -0.28 | <.0001+++ | -0.10 | 0.50 | -0.16 | 0.0397+ | -0.14 | 0.07 | -0.17 | 0.0154+ | -0.05 | 0.79 | -0.10 | 0.25 |
| CT_Par_L | 0.12 | 0.12 | 0.11 | 0.24 | -0.13 | 0.10 | -0.15 | 0.06 | -0.15 | 0.0452+ | -0.24 | <.0001+++ | 0.07 | 0.53 | -0.12 | 0.06 | -0.14 | 0.07 | -0.17 | 0.0154+ | -0.04 | 0.79 | -0.09 | 0.25 |
| CT_Par_R | 0.14 | 0.09 | 0.13 | 0.21 | -0.11 | 0.12 | -0.13 | 0.06 | -0.15 | 0.0367+ | -0.24 | <.0001+++ | -0.11 | 0.43 | -0.16 | 0.0397+ | -0.15 | 0.07 | -0.16 | 0.0154+ | -0.04 | 0.79 | -0.08 | 0.27 |
| CT_PFC_L | -0.07 | 0.47 | -0.07 | 0.34 | -0.12 | 0.12 | -0.13 | 0.06 | -0.07 | 0.42 | -0.18 | 0.0033++ | -0.04 | 0.70 | -0.10 | 0.12 | -0.08 | 0.21 | -0.11 | 0.09 | -0.04 | 0.79 | -0.08 | 0.27 |
| CT_PFC_R | -0.06 | 0.47 | -0.06 | 0.40 | -0.12 | 0.11 | -0.13 | 0.06 | -0.06 | 0.42 | -0.17 | 0.0035++ | -0.04 | 0.66 | -0.10 | 0.12 | -0.06 | 0.29 | -0.09 | 0.14 | -0.01 | 0.91 | -0.05 | 0.47 |
| CT_PM_L | 0.10 | 0.21 | 0.09 | 0.33 | -0.08 | 0.19 | -0.12 | 0.07 | 0.11 | 0.18 | -0.23 | 0.0001+++ | 0.09 | 0.53 | -0.15 | 0.0397+ | 0.10 | 0.13 | -0.14 | 0.0271+ | -0.03 | 0.79 | -0.10 | 0.25 |
| CT_PM_R | -0.11 | 0.20 | -0.09 | 0.31 | -0.10 | 0.13 | -0.12 | 0.06 | -0.11 | 0.18 | -0.23 | 0.0001+++ | -0.09 | 0.53 | -0.15 | 0.0397+ | -0.13 | 0.09 | -0.16 | 0.0172+ | -0.04 | 0.79 | -0.09 | 0.25 |
| IFOF_L | -0.04 | 0.56 | -0.05 | 0.40 | -0.13 | 0.10 | -0.14 | 0.06 | -0.06 | 0.42 | -0.15 | 0.0096++ | -0.07 | 0.53 | -0.12 | 0.06 | -0.08 | 0.25 | -0.10 | 0.09 | 0.03 | 0.79 | -0.02 | 0.77 |
| IFOF_R | 0.06 | 0.47 | 0.06 | 0.40 | -0.14 | 0.10 | -0.15 | 0.06 | -0.06 | 0.42 | -0.16 | 0.0064++ | -0.07 | 0.53 | -0.12 | 0.06 | -0.10 | 0.13 | -0.13 | 0.0436+ | 0.00 | 0.99 | -0.05 | 0.47 |
| ILF_L | -0.05 | 0.49 | -0.07 | 0.34 | -0.08 | 0.22 | -0.09 | 0.16 | -0.06 | 0.42 | -0.13 | 0.0259+ | -0.06 | 0.53 | -0.11 | 0.09 | -0.08 | 0.21 | -0.11 | 0.09 | 0.01 | 0.91 | -0.04 | 0.57 |
| ILF_R | -0.08 | 0.38 | -0.09 | 0.31 | -0.15 | 0.10 | -0.16 | 0.06 | -0.10 | 0.24 | -0.18 | 0.0025++ | -0.06 | 0.53 | -0.12 | 0.06 | -0.12 | 0.09 | -0.16 | 0.0172+ | -0.05 | 0.79 | -0.10 | 0.25 |
| SLF_L | 0.06 | 0.47 | 0.06 | 0.40 | -0.11 | 0.12 | -0.11 | 0.10 | -0.11 | 0.19 | -0.19 | 0.0025++ | 0.01 | 0.94 | -0.04 | 0.51 | -0.07 | 0.26 | -0.09 | 0.14 | -0.06 | 0.79 | -0.09 | 0.27 |
| SLF_R | 0.09 | 0.38 | 0.10 | 0.31 | -0.06 | 0.37 | -0.05 | 0.40 | -0.07 | 0.42 | -0.17 | 0.0077++ | -0.03 | 0.79 | -0.07 | 0.26 | -0.13 | 0.09 | -0.15 | 0.0271+ | -0.10 | 0.79 | -0.12 | 0.25 |
| UNC_L | -0.07 | 0.47 | -0.08 | 0.34 | -0.11 | 0.12 | -0.09 | 0.14 | -0.05 | 0.42 | -0.16 | 0.0074++ | -0.05 | 0.65 | -0.10 | 0.12 | -0.10 | 0.13 | -0.10 | 0.11 | -0.04 | 0.79 | -0.05 | 0.47 |
| UNC_R | -0.06 | 0.47 | -0.08 | 0.34 | -0.13 | 0.10 | -0.12 | 0.07 | -0.07 | 0.42 | -0.18 | 0.0025++ | -0.05 | 0.65 | -0.10 | 0.11 | -0.11 | 0.13 | -0.11 | 0.09 | -0.04 | 0.79 | -0.06 | 0.40 |
| Genu | 0.05 | 0.49 | 0.05 | 0.40 | -0.12 | 0.12 | -0.12 | 0.06 | -0.06 | 0.42 | -0.18 | 0.0034++ | -0.03 | 0.77 | -0.09 | 0.14 | -0.05 | 0.40 | -0.08 | 0.20 | -0.02 | 0.91 | -0.06 | 0.42 |
| Rost | -0.04 | 0.52 | -0.05 | 0.40 | -0.10 | 0.12 | -0.10 | 0.11 | -0.05 | 0.43 | -0.17 | 0.0034++ | -0.02 | 0.80 | -0.08 | 0.19 | -0.06 | 0.34 | -0.07 | 0.20 | -0.04 | 0.79 | -0.06 | 0.40 |
| Splen | -0.06 | 0.47 | -0.08 | 0.34 | -0.09 | 0.16 | -0.10 | 0.11 | -0.05 | 0.42 | -0.13 | 0.0256+ | -0.07 | 0.53 | -0.12 | 0.07 | -0.06 | 0.29 | -0.09 | 0.14 | -0.01 | 0.91 | -0.05 | 0.47 |

*Table 6.1.b: Comparison between Age-Sex Corrected and Unadjusted Correlations – RD at birth and MSEL Scores at age 1*

Tables display Pearson's correlations by each tract with FDR-corrected p-values. Age-Sex models are corrected for gestational age at birth and age at MSEL 1-year testing. Cells highlighted in yellow are significant in one model (i.e. unadjusted *or* Age-Sex), cells in yellow are significant in both models, and cells highlighted in gray are of a similar magnitude/trend to those significant in the other model.

| | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | RD 0 - ELC 1 | | RD 0 - ELC 1 | | RD 0 - GMI 1 | | RD 0 - GMI | | RD 0 - FMI 1 | | RD 0 - FMI | | RD 0 - EL 1 | | RD 0 - EL1 | | RD 0 - RL 1 | | RD 0 - RL1 | | RD 0 - VR 1 | | RD 0 - VR1 | |
| Tract | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* |
| ARC_FP_L | 0.04 | 0.50 | 0.02 | 0.78 | -0.08 | 0.26 | -0.12 | 0.10 | 0.05 | 0.40 | -0.19 | 0.0013++ | 0.03 | 0.74 | -0.09 | 0.15 | 0.05 | 0.41 | -0.09 | 0.12 | -0.01 | 0.89 | -0.08 | 0.22 |
| ARC_FP_R | -0.08 | 0.29 | -0.09 | 0.26 | -0.02 | 0.78 | -0.03 | 0.65 | -0.06 | 0.40 | -0.14 | 0.0245+ | -0.03 | 0.74 | -0.07 | 0.28 | -0.13 | 0.14 | -0.16 | 0.0263+ | -0.11 | 0.81 | -0.13 | 0.20 |
| ARC_FT_L | -0.07 | 0.30 | -0.05 | 0.39 | -0.03 | 0.59 | -0.06 | 0.30 | -0.08 | 0.20 | -0.20 | 0.0006+++ | -0.02 | 0.78 | -0.08 | 0.19 | -0.08 | 0.26 | -0.11 | 0.08 | -0.05 | 0.81 | -0.10 | 0.20 |
| ARC_FT_R | 0.09 | 0.23 | -0.09 | 0.26 | -0.06 | 0.35 | -0.08 | 0.17 | -0.10 | 0.15 | -0.21 | 0.0003+++ | -0.06 | 0.62 | -0.12 | 0.07 | -0.11 | 0.15 | -0.15 | 0.0263+ | -0.05 | 0.81 | -0.10 | 0.20 |
| ARC_TP_L | -0.05 | 0.50 | -0.08 | 0.29 | -0.07 | 0.38 | -0.07 | 0.30 | 0.00 | 0.99 | -0.12 | 0.07 | -0.01 | 0.92 | -0.11 | 0.15 | -0.08 | 0.30 | -0.09 | 0.17 | -0.08 | 0.81 | -0.13 | 0.20 |
| ARC_TP_R | -0.07 | 0.29 | -0.07 | 0.29 | -0.07 | 0.26 | -0.10 | 0.11 | -0.08 | 0.20 | -0.20 | 0.0004+++ | -0.06 | 0.61 | -0.13 | 0.06 | -0.10 | 0.16 | -0.14 | 0.0263+ | -0.04 | 0.81 | -0.09 | 0.21 |
| CF_M_L | 0.14 | 0.10 | -0.12 | 0.22 | -0.14 | 0.18 | -0.16 | 0.0489+ | -0.14 | 0.0457+ | -0.25 | <.0001+++ | -0.12 | 0.28 | -0.17 | 0.0141+ | -0.13 | 0.14 | -0.17 | 0.0227+ | -0.04 | 0.81 | -0.10 | 0.20 |
| CF_M_R | 0.16 | 0.10 | -0.14 | 0.22 | -0.12 | 0.22 | -0.15 | 0.06 | -0.17 | 0.0457+ | -0.27 | <.0001+++ | -0.13 | 0.28 | -0.18 | 0.0141+ | -0.14 | 0.14 | -0.17 | 0.0227+ | -0.06 | 0.81 | -0.12 | 0.20 |
| Cing_L | -0.10 | 0.21 | -0.08 | 0.26 | -0.10 | 0.22 | -0.13 | 0.10 | -0.13 | 0.07 | -0.23 | 0.0001+++ | -0.07 | 0.61 | -0.12 | 0.07 | -0.12 | 0.14 | -0.14 | 0.0263+ | -0.01 | 0.87 | -0.06 | 0.27 |
| Cing_R | 0.07 | 0.29 | -0.07 | 0.30 | -0.08 | 0.26 | -0.12 | 0.10 | -0.09 | 0.17 | -0.21 | 0.0005+++ | -0.07 | 0.61 | -0.13 | 0.07 | -0.10 | 0.18 | -0.14 | 0.0386+ | 0.02 | 0.87 | -0.04 | 0.48 |
| CT_M_L | 0.13 | 0.10 | -0.11 | 0.22 | -0.11 | 0.22 | -0.14 | 0.06 | -0.15 | 0.0457+ | -0.26 | <.0001+++ | -0.11 | 0.28 | -0.17 | 0.0158+ | -0.11 | 0.15 | -0.15 | 0.0263+ | -0.05 | 0.81 | -0.11 | 0.20 |
| CT_M_R | -0.13 | 0.10 | -0.11 | 0.23 | -0.11 | 0.22 | -0.14 | 0.06 | -0.14 | 0.0457+ | -0.26 | <.0001+++ | -0.10 | 0.38 | -0.16 | 0.0175+ | -0.12 | 0.14 | -0.16 | 0.0227+ | -0.04 | 0.81 | -0.11 | 0.20 |
| CT_Par_L | -0.13 | 0.10 | -0.11 | 0.22 | -0.13 | 0.18 | -0.16 | 0.0490+ | -0.15 | 0.0457+ | -0.25 | <.0001+++ | -0.11 | 0.28 | -0.16 | 0.0170+ | -0.12 | 0.14 | -0.16 | 0.0227+ | -0.02 | 0.87 | -0.09 | 0.21 |
| CT_Par_R | 0.14 | 0.10 | -0.12 | 0.22 | -0.14 | 0.18 | -0.16 | 0.0489+ | -0.14 | 0.0457+ | -0.25 | <.0001+++ | -0.12 | 0.28 | -0.18 | 0.0141+ | -0.14 | 0.14 | -0.17 | 0.0227+ | -0.04 | 0.81 | -0.10 | 0.20 |
| CT_PFC_L | -0.07 | 0.29 | -0.06 | 0.30 | -0.08 | 0.26 | -0.10 | 0.11 | -0.08 | 0.20 | -0.20 | 0.0004+++ | -0.03 | 0.74 | -0.10 | 0.11 | -0.07 | 0.29 | -0.10 | 0.09 | -0.04 | 0.81 | -0.09 | 0.21 |
| CT_PFC_R | -0.05 | 0.43 | -0.05 | 0.43 | -0.08 | 0.26 | -0.10 | 0.11 | -0.07 | 0.22 | -0.19 | 0.0006+++ | -0.02 | 0.78 | -0.09 | 0.15 | -0.05 | 0.40 | -0.08 | 0.14 | -0.02 | 0.87 | -0.07 | 0.26 |
| CT_PM_L | 0.11 | 0.18 | -0.09 | 0.25 | -0.06 | 0.34 | -0.10 | 0.11 | -0.13 | 0.07 | -0.24 | <.0001+++ | -0.09 | 0.45 | -0.15 | 0.0254+ | -0.10 | 0.17 | -0.14 | 0.0263+ | -0.04 | 0.81 | -0.11 | 0.20 |
| CT_PM_R | -0.11 | 0.18 | -0.09 | 0.25 | -0.08 | 0.26 | -0.11 | 0.11 | -0.12 | 0.08 | -0.25 | <.0001+++ | -0.07 | 0.61 | -0.13 | 0.05 | -0.11 | 0.15 | -0.15 | 0.0263+ | -0.06 | 0.81 | -0.12 | 0.20 |
| IFOF_L | -0.06 | 0.30 | -0.07 | 0.29 | -0.08 | 0.26 | -0.10 | 0.11 | -0.09 | 0.16 | -0.21 | 0.0003+++ | -0.05 | 0.62 | -0.12 | 0.07 | -0.06 | 0.29 | -0.10 | 0.09 | -0.01 | 0.87 | -0.07 | 0.24 |
| IFOF_R | 0.08 | 0.29 | -0.08 | 0.26 | -0.10 | 0.22 | -0.12 | 0.10 | -0.10 | 0.15 | -0.21 | 0.0003+++ | -0.05 | 0.62 | -0.12 | 0.07 | -0.08 | 0.23 | -0.12 | 0.06 | -0.02 | 0.87 | -0.08 | 0.21 |
| ILF_L | -0.07 | 0.29 | -0.08 | 0.26 | -0.06 | 0.33 | -0.08 | 0.17 | -0.11 | 0.11 | -0.21 | 0.0003+++ | -0.05 | 0.62 | -0.11 | 0.08 | -0.07 | 0.29 | -0.10 | 0.09 | -0.02 | 0.87 | -0.08 | 0.22 |
| ILF_R | -0.09 | 0.23 | -0.09 | 0.25 | -0.10 | 0.24 | -0.12 | 0.10 | -0.15 | 0.0457+ | -0.25 | <.0001+++ | -0.05 | 0.62 | -0.12 | 0.07 | -0.10 | 0.17 | -0.13 | 0.0335+ | -0.03 | 0.87 | -0.09 | 0.21 |
| SLF_L | -0.06 | 0.30 | -0.05 | 0.45 | -0.09 | 0.26 | -0.10 | 0.11 | -0.10 | 0.15 | -0.21 | 0.0003+++ | -0.02 | 0.81 | -0.07 | 0.24 | -0.07 | 0.28 | -0.10 | 0.09 | -0.04 | 0.81 | -0.09 | 0.21 |
| SLF_R | 0.14 | 0.10 | -0.13 | 0.22 | -0.04 | 0.58 | -0.04 | 0.52 | -0.09 | 0.19 | -0.19 | 0.0017++ | -0.06 | 0.62 | -0.10 | 0.13 | -0.16 | 0.14 | -0.18 | 0.0227+ | -0.13 | 0.81 | -0.14 | 0.20 |
| UNC_L | -0.09 | 0.27 | -0.09 | 0.25 | -0.07 | 0.33 | -0.07 | 0.26 | -0.09 | 0.16 | -0.20 | 0.0004+++ | -0.04 | 0.71 | -0.10 | 0.11 | -0.09 | 0.21 | -0.10 | 0.09 | -0.06 | 0.81 | -0.08 | 0.21 |
| UNC_R | -0.07 | 0.29 | -0.08 | 0.26 | -0.10 | 0.22 | -0.10 | 0.11 | -0.09 | 0.16 | -0.21 | 0.0003+++ | -0.04 | 0.72 | -0.10 | 0.11 | -0.09 | 0.21 | -0.10 | 0.09 | -0.05 | 0.81 | -0.08 | 0.21 |
| Genu | 0.08 | 0.29 | -0.08 | 0.26 | -0.09 | 0.24 | -0.10 | 0.11 | -0.12 | 0.09 | -0.23 | 0.0001+++ | -0.05 | 0.62 | -0.11 | 0.08 | -0.08 | 0.26 | -0.10 | 0.09 | -0.04 | 0.81 | -0.08 | 0.21 |
| Rost | -0.07 | 0.29 | -0.08 | 0.26 | -0.10 | 0.22 | -0.11 | 0.11 | -0.10 | 0.14 | -0.22 | 0.0002+++ | -0.03 | 0.74 | -0.09 | 0.13 | -0.07 | 0.29 | -0.09 | 0.13 | -0.05 | 0.81 | -0.09 | 0.21 |
| Splen | -0.11 | 0.18 | -0.09 | 0.25 | -0.09 | 0.26 | -0.12 | 0.10 | -0.16 | 0.0457+ | -0.25 | <.0001+++ | -0.13 | 0.28 | -0.18 | 0.0141+ | -0.06 | 0.35 | -0.11 | 0.09 | 0.00 | 0.96 | -0.07 | 0.22 |

*Table 6.1.c: Comparison between Age-Sex Corrected and Unadjusted Correlations – FA at birth and MSEL Scores at age 1*

Tables display Pearson's correlations by each tract with FDR-corrected p-values. Age-Sex models are corrected for gestational age at birth and age at MSEL 1-year testing. Cells highlighted in yellow are significant in one model (i.e. unadjusted *or* Age-Sex), cells in yellow are significant in both models, and cells highlighted in gray are of a similar magnitude/trend to those significant in the other model.

| | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FA 0 - ELC 1 | | FA 0 - ELC 1 | | FA 0 - GM 1 | | FA 0 - GM1 | | FA 0 - FM 1 | | FA 0 - FM1 | | FA 0 - EL 1 | | FA 0 - EL1 | | FA 0 - RL 1 | | FA 0 - RL1 | | FA 0 - VR 1 | | FA 0 - VR1 | |
| Tract | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* |
| ARC_FP_L | 0.10 | 0.26 | 0.06 | 0.41 | 0.01 | 1.00 | 0.06 | 0.73 | 0.11 | 0.14 | 0.23 | 0.0004+++ | 0.04 | 0.97 | 0.10 | 0.22 | 0.09 | 0.63 | 0.13 | 0.16 | 0.08 | 0.84 | 0.13 | 0.21 |
| ARC_FP_R | 0.14 | 0.25 | 0.12 | 0.41 | 0.01 | 1.00 | 0.02 | 0.89 | 0.10 | 0.16 | 0.17 | 0.0067++ | 0.02 | 0.97 | 0.05 | 0.49 | 0.14 | 0.46 | 0.16 | 0.16 | 0.13 | 0.63 | 0.15 | 0.21 |
| ARC_FT_L | 0.09 | 0.26 | 0.05 | 0.46 | -0.03 | 1.00 | 0.01 | 0.89 | 0.12 | 0.14 | 0.23 | 0.0004+++ | 0.01 | 0.97 | 0.05 | 0.44 | 0.08 | 0.63 | 0.11 | 0.19 | 0.05 | 0.84 | 0.10 | 0.21 |
| ARC_FT_R | 0.14 | 0.25 | 0.11 | 0.41 | 0.02 | 1.00 | 0.04 | 0.74 | 0.12 | 0.14 | 0.22 | 0.0004+++ | 0.06 | 0.82 | 0.11 | 0.19 | 0.10 | 0.63 | 0.12 | 0.17 | 0.08 | 0.84 | 0.11 | 0.21 |
| ARC_TP_L | 0.09 | 0.32 | 0.11 | 0.41 | 0.13 | 0.85 | 0.14 | 0.31 | 0.09 | 0.25 | 0.19 | 0.0066++ | 0.00 | 1.00 | 0.08 | 0.31 | 0.06 | 0.64 | 0.08 | 0.28 | 0.05 | 0.84 | 0.11 | 0.21 |
| ARC_TP_R | 0.09 | 0.26 | 0.08 | 0.41 | 0.06 | 1.00 | 0.09 | 0.41 | 0.11 | 0.14 | 0.21 | 0.0005+++ | 0.05 | 0.94 | 0.10 | 0.19 | 0.06 | 0.64 | 0.09 | 0.22 | 0.04 | 0.84 | 0.08 | 0.21 |
| CF_M_L | 0.08 | 0.30 | 0.07 | 0.41 | 0.09 | 0.85 | 0.13 | 0.26 | 0.06 | 0.31 | 0.15 | 0.0079++ | 0.10 | 0.69 | 0.15 | 0.08 | 0.08 | 0.63 | 0.13 | 0.16 | 0.01 | 1.00 | 0.07 | 0.28 |
| CF_M_R | 0.10 | 0.26 | 0.08 | 0.41 | 0.09 | 0.85 | 0.12 | 0.26 | 0.10 | 0.14 | 0.20 | 0.0007+++ | 0.08 | 0.81 | 0.13 | 0.11 | 0.05 | 0.64 | 0.10 | 0.20 | 0.04 | 0.84 | 0.10 | 0.21 |
| Cing_L | -0.04 | 0.54 | -0.07 | 0.41 | -0.04 | 1.00 | 0.01 | 0.89 | 0.05 | 0.35 | 0.12 | 0.0381+ | -0.05 | 0.94 | -0.01 | 0.81 | -0.05 | 0.64 | 0.00 | 0.98 | -0.04 | 0.84 | 0.03 | 0.63 |
| Cing_R | 0.04 | 0.54 | 0.00 | 0.97 | 0.05 | 1.00 | 0.10 | 0.41 | 0.10 | 0.16 | 0.18 | 0.0023++ | 0.04 | 0.97 | 0.08 | 0.27 | -0.02 | 0.76 | 0.04 | 0.56 | -0.04 | 0.84 | 0.03 | 0.61 |
| CT_M_L | 0.08 | 0.32 | 0.06 | 0.41 | 0.06 | 1.00 | 0.09 | 0.41 | 0.09 | 0.16 | 0.18 | 0.0015++ | 0.10 | 0.69 | 0.15 | 0.08 | 0.04 | 0.70 | 0.08 | 0.22 | 0.00 | 1.00 | 0.06 | 0.36 |
| CT_M_R | 0.06 | 0.34 | 0.05 | 0.46 | 0.04 | 1.00 | 0.09 | 0.41 | 0.06 | 0.31 | 0.17 | 0.0023++ | 0.03 | 0.97 | 0.09 | 0.22 | 0.03 | 0.74 | 0.08 | 0.22 | 0.02 | 0.92 | 0.09 | 0.21 |
| CT_Par_L | 0.09 | 0.26 | 0.08 | 0.41 | 0.06 | 1.00 | 0.10 | 0.41 | 0.11 | 0.14 | 0.20 | 0.0006+++ | 0.10 | 0.69 | 0.15 | 0.08 | 0.07 | 0.64 | 0.11 | 0.19 | 0.00 | 1.00 | 0.06 | 0.36 |
| CT_Par_R | 0.10 | 0.26 | 0.08 | 0.41 | 0.10 | 0.85 | 0.14 | 0.26 | 0.10 | 0.16 | 0.20 | 0.0007+++ | 0.07 | 0.81 | 0.13 | 0.11 | 0.08 | 0.63 | 0.13 | 0.16 | 0.02 | 0.92 | 0.08 | 0.21 |
| CT_PFC_L | 0.07 | 0.33 | 0.06 | 0.41 | 0.00 | 1.00 | 0.04 | 0.74 | 0.10 | 0.15 | 0.21 | 0.0005+++ | 0.04 | 0.97 | 0.10 | 0.19 | 0.06 | 0.64 | 0.10 | 0.20 | 0.03 | 0.90 | 0.09 | 0.21 |
| CT_PFC_R | 0.03 | 0.54 | 0.03 | 0.63 | -0.03 | 1.00 | 0.01 | 0.89 | 0.07 | 0.24 | 0.19 | 0.0013++ | -0.02 | 0.97 | 0.05 | 0.40 | 0.03 | 0.71 | 0.08 | 0.22 | 0.02 | 0.92 | 0.08 | 0.21 |
| CT_PM_L | 0.08 | 0.32 | 0.07 | 0.41 | 0.02 | 1.00 | 0.05 | 0.74 | 0.11 | 0.14 | 0.19 | 0.0010+++ | 0.07 | 0.81 | 0.12 | 0.14 | 0.07 | 0.64 | 0.10 | 0.19 | 0.03 | 0.90 | 0.07 | 0.25 |
| CT_PM_R | 0.06 | 0.33 | 0.06 | 0.41 | 0.00 | 1.00 | 0.04 | 0.74 | 0.09 | 0.16 | 0.19 | 0.0010++ | 0.02 | 0.97 | 0.08 | 0.25 | 0.04 | 0.71 | 0.08 | 0.22 | 0.05 | 0.84 | 0.10 | 0.21 |
| IFOF_L | 0.07 | 0.33 | 0.06 | 0.41 | -0.03 | 1.00 | 0.01 | 0.89 | 0.10 | 0.15 | 0.21 | 0.0005+++ | -0.01 | 0.97 | 0.06 | 0.39 | 0.03 | 0.74 | 0.07 | 0.26 | 0.06 | 0.84 | 0.11 | 0.21 |
| IFOF_R | 0.07 | 0.33 | 0.06 | 0.41 | 0.00 | 1.00 | 0.04 | 0.74 | 0.11 | 0.14 | 0.22 | 0.0004+++ | 0.00 | 0.99 | 0.07 | 0.29 | 0.04 | 0.71 | 0.08 | 0.22 | 0.05 | 0.84 | 0.10 | 0.21 |
| ILF_L | 0.05 | 0.43 | 0.04 | 0.56 | 0.00 | 1.00 | 0.03 | 0.78 | 0.10 | 0.14 | 0.21 | 0.0005+++ | -0.02 | 0.97 | 0.04 | 0.49 | 0.01 | 0.84 | 0.05 | 0.41 | 0.04 | 0.84 | 0.09 | 0.21 |
| ILF_R | 0.06 | 0.34 | 0.06 | 0.41 | -0.01 | 1.00 | 0.02 | 0.89 | 0.13 | 0.14 | 0.22 | 0.0004+++ | 0.01 | 0.97 | 0.06 | 0.38 | 0.02 | 0.76 | 0.05 | 0.38 | 0.00 | 1.00 | 0.05 | 0.45 |
| SLF_L | 0.04 | 0.54 | 0.00 | 0.97 | 0.01 | 1.00 | 0.05 | 0.74 | 0.06 | 0.31 | 0.17 | 0.0030++ | 0.03 | 0.97 | 0.09 | 0.25 | 0.03 | 0.71 | 0.08 | 0.22 | -0.01 | 0.95 | 0.06 | 0.33 |
| SLF_R | 0.15 | 0.25 | 0.13 | 0.41 | 0.01 | 1.00 | 0.02 | 0.89 | 0.09 | 0.20 | 0.15 | 0.0101+ | 0.07 | 0.81 | 0.09 | 0.25 | 0.13 | 0.46 | 0.14 | 0.16 | 0.12 | 0.63 | 0.14 | 0.21 |
| UNC_L | 0.10 | 0.26 | 0.10 | 0.41 | -0.01 | 1.00 | 0.01 | 0.89 | 0.13 | 0.14 | 0.22 | 0.0004+++ | 0.02 | 0.97 | 0.08 | 0.25 | 0.06 | 0.64 | 0.09 | 0.22 | 0.07 | 0.84 | 0.10 | 0.21 |
| UNC_R | 0.07 | 0.33 | 0.07 | 0.41 | 0.02 | 1.00 | 0.04 | 0.74 | 0.09 | 0.16 | 0.20 | 0.0007+++ | 0.01 | 0.97 | 0.07 | 0.29 | 0.03 | 0.71 | 0.07 | 0.28 | 0.05 | 0.84 | 0.08 | 0.21 |
| Genu | 0.10 | 0.26 | 0.09 | 0.41 | 0.04 | 1.00 | 0.07 | 0.59 | 0.15 | 0.14 | 0.24 | 0.0003+++ | 0.05 | 0.94 | 0.10 | 0.19 | 0.08 | 0.63 | 0.11 | 0.19 | 0.06 | 0.84 | 0.10 | 0.21 |
| Rost | 0.09 | 0.26 | 0.09 | 0.41 | 0.05 | 1.00 | 0.07 | 0.59 | 0.12 | 0.14 | 0.20 | 0.0006+++ | 0.03 | 0.97 | 0.08 | 0.26 | 0.06 | 0.64 | 0.08 | 0.22 | 0.06 | 0.84 | 0.09 | 0.21 |
| Splen | 0.09 | 0.26 | 0.06 | 0.41 | 0.02 | 1.00 | 0.07 | 0.59 | 0.17 | 0.09 | 0.25 | 0.0002+++ | 0.09 | 0.69 | 0.14 | 0.08 | 0.01 | 0.84 | 0.07 | 0.26 | 0.02 | 0.92 | 0.09 | 0.21 |

*Table 6.2.a: Comparison between Age-Sex Corrected and Unadjusted Correlations – AD at birth and MSEL Scores at age 2*

Tables display Pearson's correlations by each tract with FDR-corrected p-values. Age-Sex models are corrected for gestational age at birth and age at MSEL 2-year testing. Cells highlighted in yellow are significant in one model (i.e. unadjusted *or* Age-Sex), cells in yellow are significant in both models, and cells highlighted in gray are of a similar magnitude/trend to those significant in the other model.

| | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | AD 0 - ELC 2 | | AD 0 - ELC 2 | | AD 0 - GM 2 | | AD 0 - GM2 | | AD 0 - FM 2 | | AD 0 - FM2 | | AD 0 - EL 2 | | AD 0 - EL2 | | AD 0 - RL 2 | | AD 0 - RL2 | | AD 0 - VR 2 | | AD 0 - VR2 | |
| Tract | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* |
| ARC_FP_L | -0.08 | 0.94 | -0.21 | 0.0028++ | -0.13 | 0.21 | -0.14 | 0.19 | 0.05 | 0.71 | -0.17 | 0.0136+ | -0.04 | 0.93 | -0.16 | 0.0221+ | 0.03 | 1.00 | -0.14 | 0.10 | -0.09 | 0.96 | -0.17 | 0.15 |
| ARC_FP_R | -0.05 | 0.94 | -0.19 | 0.0090++ | -0.08 | 0.28 | -0.08 | 0.27 | 0.01 | 0.93 | -0.09 | 0.19 | -0.07 | 0.93 | -0.19 | 0.0186+ | -0.02 | 1.00 | -0.12 | 0.15 | -0.05 | 0.96 | -0.13 | 0.16 |
| ARC_FT_L | -0.10 | 0.94 | -0.23 | 0.0028++ | -0.09 | 0.23 | -0.08 | 0.23 | -0.07 | 0.71 | -0.19 | 0.0071++ | -0.09 | 0.93 | -0.20 | 0.0152+ | -0.07 | 1.00 | -0.17 | 0.10 | -0.06 | 0.96 | -0.13 | 0.15 |
| ARC_FT_R | -0.06 | 0.94 | -0.22 | 0.0028++ | -0.15 | 0.21 | -0.13 | 0.19 | -0.03 | 0.77 | -0.16 | 0.0161+ | -0.02 | 0.93 | -0.16 | 0.0215+ | -0.05 | 1.00 | -0.17 | 0.10 | -0.06 | 0.96 | -0.15 | 0.15 |
| ARC_TP_L | 0.03 | 0.94 | -0.12 | 0.11 | -0.10 | 0.24 | -0.12 | 0.19 | 0.05 | 0.74 | -0.07 | 0.38 | 0.03 | 0.93 | -0.11 | 0.16 | 0.00 | 1.00 | -0.10 | 0.24 | 0.05 | 0.96 | -0.01 | 0.85 |
| ARC_TP_R | -0.08 | 0.94 | -0.21 | 0.0028++ | -0.08 | 0.25 | -0.08 | 0.25 | -0.03 | 0.77 | -0.15 | 0.0207+ | -0.06 | 0.93 | -0.18 | 0.0174+ | -0.06 | 1.00 | -0.16 | 0.10 | -0.09 | 0.96 | -0.16 | 0.15 |
| CF_M_L | -0.04 | 0.94 | -0.15 | 0.0195+ | -0.06 | 0.39 | -0.06 | 0.36 | -0.07 | 0.71 | -0.16 | 0.0136+ | -0.01 | 0.93 | -0.11 | 0.07 | 0.04 | 1.00 | -0.06 | 0.33 | -0.01 | 0.96 | -0.07 | 0.34 |
| CF_M_R | -0.03 | 0.94 | -0.13 | 0.0366+ | -0.05 | 0.43 | -0.06 | 0.37 | -0.06 | 0.71 | -0.15 | 0.0173+ | -0.02 | 0.93 | -0.12 | 0.05 | 0.06 | 1.00 | -0.04 | 0.54 | -0.01 | 0.96 | -0.07 | 0.34 |
| Cing_L | -0.01 | 0.96 | -0.16 | 0.0149+ | -0.11 | 0.21 | -0.11 | 0.19 | -0.03 | 0.75 | -0.15 | 0.0173+ | -0.04 | 0.93 | -0.17 | 0.0207+ | 0.04 | 1.00 | -0.09 | 0.21 | 0.03 | 0.96 | -0.06 | 0.37 |
| Cing_R | -0.10 | 0.94 | -0.20 | 0.0046++ | -0.09 | 0.23 | -0.10 | 0.19 | -0.10 | 0.71 | -0.20 | 0.0071++ | -0.04 | 0.93 | -0.16 | 0.0233+ | 0.00 | 1.00 | -0.11 | 0.16 | -0.09 | 0.96 | -0.15 | 0.15 |
| CT_M_L | -0.08 | 0.94 | -0.21 | 0.0028++ | -0.10 | 0.21 | -0.10 | 0.19 | -0.09 | 0.71 | -0.20 | 0.0071++ | -0.05 | 0.93 | -0.18 | 0.0174+ | -0.01 | 1.00 | -0.13 | 0.10 | -0.05 | 0.96 | -0.12 | 0.16 |
| CT_M_R | -0.03 | 0.94 | -0.16 | 0.0129+ | -0.07 | 0.31 | -0.07 | 0.27 | -0.05 | 0.71 | -0.17 | 0.0136+ | -0.01 | 0.93 | -0.13 | 0.0413+ | 0.04 | 1.00 | -0.08 | 0.24 | 0.00 | 0.97 | -0.08 | 0.30 |
| CT_Par_L | -0.06 | 0.94 | -0.17 | 0.0110+ | -0.10 | 0.23 | -0.10 | 0.19 | -0.07 | 0.71 | -0.16 | 0.0136+ | -0.06 | 0.93 | -0.16 | 0.0221+ | 0.00 | 1.00 | -0.09 | 0.21 | -0.02 | 0.96 | -0.08 | 0.30 |
| CT_Par_R | -0.04 | 0.94 | -0.17 | 0.0110+ | -0.11 | 0.21 | -0.11 | 0.19 | -0.05 | 0.71 | -0.15 | 0.0173+ | -0.05 | 0.93 | -0.15 | 0.0221+ | 0.03 | 1.00 | -0.08 | 0.25 | -0.02 | 0.96 | -0.09 | 0.23 |
| CT_PFC_L | -0.02 | 0.96 | -0.16 | 0.0122+ | -0.12 | 0.21 | -0.13 | 0.19 | -0.04 | 0.74 | -0.17 | 0.0136+ | 0.01 | 0.93 | -0.13 | 0.0433+ | 0.00 | 1.00 | -0.12 | 0.11 | -0.01 | 0.96 | -0.10 | 0.22 |
| CT_PFC_R | -0.01 | 0.96 | -0.15 | 0.0217+ | -0.09 | 0.23 | -0.09 | 0.20 | -0.07 | 0.71 | -0.19 | 0.0071++ | 0.02 | 0.93 | -0.12 | 0.07 | 0.02 | 1.00 | -0.10 | 0.19 | 0.01 | 0.96 | -0.08 | 0.31 |
| CT_PM_L | -0.07 | 0.94 | -0.20 | 0.0028++ | -0.11 | 0.21 | -0.11 | 0.19 | -0.07 | 0.71 | -0.19 | 0.0071++ | -0.06 | 0.93 | -0.19 | 0.0152+ | 0.00 | 1.00 | -0.12 | 0.12 | -0.04 | 0.96 | -0.12 | 0.16 |
| CT_PM_R | -0.02 | 0.94 | -0.16 | 0.0129+ | -0.08 | 0.24 | -0.08 | 0.23 | -0.07 | 0.71 | -0.19 | 0.0071++ | -0.04 | 0.93 | -0.16 | 0.0219+ | 0.06 | 1.00 | -0.06 | 0.33 | 0.02 | 0.96 | -0.06 | 0.37 |
| IFOF_L | 0.03 | 0.94 | -0.12 | 0.06 | -0.12 | 0.21 | -0.12 | 0.19 | -0.04 | 0.74 | -0.16 | 0.0136+ | 0.02 | 0.93 | -0.11 | 0.07 | 0.05 | 1.00 | -0.07 | 0.31 | 0.04 | 0.96 | -0.06 | 0.37 |
| IFOF_R | -0.01 | 0.96 | -0.16 | 0.0149+ | -0.13 | 0.21 | -0.13 | 0.19 | -0.04 | 0.74 | -0.17 | 0.0136+ | -0.02 | 0.93 | -0.15 | 0.0221+ | 0.02 | 1.00 | -0.10 | 0.16 | 0.02 | 0.96 | -0.08 | 0.30 |
| ILF_L | 0.00 | 0.99 | -0.13 | 0.0354+ | -0.09 | 0.23 | -0.09 | 0.21 | 0.00 | 0.98 | -0.12 | 0.06 | -0.02 | 0.93 | -0.13 | 0.0455+ | 0.02 | 1.00 | -0.08 | 0.25 | 0.02 | 0.96 | -0.07 | 0.34 |
| ILF_R | -0.06 | 0.94 | -0.21 | 0.0028++ | -0.15 | 0.21 | -0.14 | 0.19 | -0.02 | 0.84 | -0.15 | 0.0173+ | -0.06 | 0.93 | -0.19 | 0.0152+ | -0.03 | 1.00 | -0.15 | 0.10 | -0.05 | 0.96 | -0.13 | 0.15 |
| SLF_L | -0.07 | 0.94 | -0.19 | 0.0061++ | -0.08 | 0.25 | -0.08 | 0.23 | -0.05 | 0.73 | -0.15 | 0.0173+ | -0.07 | 0.93 | -0.19 | 0.0154+ | -0.02 | 1.00 | -0.12 | 0.12 | -0.03 | 0.96 | -0.10 | 0.21 |
| SLF_R | -0.06 | 0.94 | -0.19 | 0.0076++ | -0.11 | 0.21 | -0.11 | 0.19 | -0.06 | 0.71 | -0.18 | 0.0136+ | -0.04 | 0.93 | -0.18 | 0.0186+ | -0.03 | 1.00 | -0.15 | 0.10 | -0.04 | 0.96 | -0.11 | 0.19 |
| UNC_L | -0.01 | 0.96 | -0.19 | 0.0051++ | -0.12 | 0.21 | -0.12 | 0.19 | -0.06 | 0.71 | -0.21 | 0.0069++ | 0.01 | 0.93 | -0.15 | 0.0221+ | 0.02 | 1.00 | -0.13 | 0.10 | 0.01 | 0.96 | -0.10 | 0.22 |
| UNC_R | -0.05 | 0.94 | -0.22 | 0.0028++ | -0.13 | 0.21 | -0.13 | 0.19 | -0.08 | 0.71 | -0.22 | 0.0069++ | -0.04 | 0.93 | -0.19 | 0.0152+ | 0.00 | 1.00 | -0.14 | 0.10 | -0.01 | 0.96 | -0.11 | 0.17 |
| Genu | -0.05 | 0.94 | -0.19 | 0.0046++ | -0.10 | 0.23 | -0.10 | 0.19 | -0.08 | 0.71 | -0.21 | 0.0069++ | 0.01 | 0.93 | -0.13 | 0.0430+ | -0.01 | 1.00 | -0.13 | 0.10 | -0.03 | 0.96 | -0.11 | 0.17 |
| Rost | -0.04 | 0.94 | -0.20 | 0.0028++ | -0.09 | 0.23 | -0.09 | 0.21 | -0.06 | 0.71 | -0.20 | 0.0071++ | 0.01 | 0.93 | -0.14 | 0.0329+ | 0.00 | 1.00 | -0.14 | 0.10 | -0.03 | 0.96 | -0.12 | 0.16 |
| Splen | 0.02 | 0.94 | -0.09 | 0.13 | -0.11 | 0.21 | -0.11 | 0.19 | 0.00 | 0.98 | -0.10 | 0.11 | 0.01 | 0.93 | -0.08 | 0.17 | 0.05 | 1.00 | -0.04 | 0.54 | 0.01 | 0.96 | -0.06 | 0.37 |

*Table 6.2.b: Comparison between Age-Sex Corrected and Unadjusted Correlations – RD at birth and MSEL Scores at age 2*

Tables display Pearson's correlations by each tract with FDR-corrected p-values. Age-Sex models are corrected for gestational age at birth and age at MSEL 2-year testing. Cells highlighted in yellow are significant in one model (i.e. unadjusted *or* Age-Sex), cells in yellow are significant in both models, and cells highlighted in gray are of a similar magnitude/trend to those significant in the other model.

| | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | RD 0 - ELC 2 | | RD 0 - ELC 2 | | RD 0 - GM 2 | | RD 0 - GM2 | | RD 0 - FM 2 | | RD 0 - FM2 | | RD 0 - EL 2 | | RD 0 - EL2 | | RD 0 - RL 2 | | RD 0 - RL2 | | RD 0 - VR 2 | | RD 0 - VR2 | |
| Tract | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* |
| ARC_FP_L | 0.07 | 0.75 | -0.22 | 0.0025++ | -0.15 | 0.0493+ | -0.15 | 0.0444+ | 0.03 | 0.73 | -0.16 | 0.0157+ | 0.02 | 0.94 | -0.16 | 0.0210+ | 0.05 | 0.92 | -0.17 | 0.0245+ | 0.09 | 0.81 | -0.18 | 0.07 |
| ARC_FP_R | -0.07 | 0.75 | -0.18 | 0.0079++ | -0.10 | 0.15 | -0.10 | 0.15 | 0.00 | 0.98 | -0.09 | 0.19 | -0.06 | 0.94 | -0.17 | 0.0210+ | -0.06 | 0.92 | -0.15 | 0.0401+ | -0.07 | 0.81 | -0.13 | 0.08 |
| ARC_FT_L | -0.05 | 0.75 | -0.19 | 0.0029++ | -0.12 | 0.07 | -0.11 | 0.08 | -0.04 | 0.73 | -0.16 | 0.0110+ | -0.02 | 0.94 | -0.15 | 0.0233+ | -0.05 | 0.92 | -0.16 | 0.0245+ | -0.04 | 0.81 | -0.12 | 0.08 |
| ARC_FT_R | -0.06 | 0.75 | -0.20 | 0.0029++ | -0.12 | 0.07 | -0.11 | 0.08 | -0.03 | 0.73 | -0.15 | 0.0157+ | -0.01 | 0.94 | -0.15 | 0.0250+ | -0.06 | 0.92 | -0.17 | 0.0245+ | -0.06 | 0.81 | -0.14 | 0.08 |
| ARC_TP_L | 0.05 | 0.78 | -0.13 | 0.08 | -0.11 | 0.15 | -0.14 | 0.08 | 0.05 | 0.73 | -0.09 | 0.25 | 0.05 | 0.94 | -0.12 | 0.12 | 0.02 | 0.92 | -0.11 | 0.16 | 0.05 | 0.81 | -0.03 | 0.71 |
| ARC_TP_R | -0.08 | 0.75 | -0.22 | 0.0025++ | -0.09 | 0.15 | -0.09 | 0.13 | -0.04 | 0.73 | -0.17 | 0.0091++ | -0.04 | 0.94 | -0.17 | 0.0210+ | -0.06 | 0.92 | -0.17 | 0.0245+ | -0.08 | 0.81 | -0.15 | 0.08 |
| CF_M_L | -0.04 | 0.78 | -0.17 | 0.0073++ | -0.14 | 0.0493+ | -0.14 | 0.0444+ | -0.02 | 0.78 | -0.15 | 0.0165+ | -0.01 | 0.94 | -0.14 | 0.0251+ | -0.02 | 0.92 | -0.14 | 0.0332+ | -0.03 | 0.90 | -0.11 | 0.11 |
| CF_M_R | -0.07 | 0.75 | -0.20 | 0.0029++ | -0.13 | 0.06 | -0.14 | 0.0467+ | -0.05 | 0.73 | -0.18 | 0.0078++ | -0.02 | 0.94 | -0.16 | 0.0210+ | -0.04 | 0.92 | -0.16 | 0.0245+ | -0.05 | 0.81 | -0.13 | 0.08 |
| Cing_L | -0.02 | 0.86 | -0.16 | 0.0130+ | -0.14 | 0.05 | -0.14 | 0.0444+ | -0.05 | 0.73 | -0.17 | 0.0091++ | 0.00 | 0.94 | -0.15 | 0.0251+ | 0.02 | 0.92 | -0.11 | 0.08 | -0.01 | 0.96 | -0.09 | 0.15 |
| Cing_R | -0.02 | 0.86 | -0.14 | 0.0286+ | -0.11 | 0.10 | -0.13 | 0.06 | -0.03 | 0.73 | -0.16 | 0.0157+ | 0.03 | 0.94 | -0.12 | 0.07 | 0.03 | 0.92 | -0.09 | 0.15 | -0.04 | 0.81 | -0.11 | 0.10 |
| CT_M_L | -0.05 | 0.75 | -0.19 | 0.0029++ | -0.15 | 0.0493+ | -0.15 | 0.0444+ | -0.04 | 0.73 | -0.17 | 0.0078++ | -0.02 | 0.94 | -0.16 | 0.0210+ | -0.03 | 0.92 | -0.15 | 0.0266+ | -0.04 | 0.81 | -0.13 | 0.08 |
| CT_M_R | -0.06 | 0.75 | -0.21 | 0.0025++ | -0.15 | 0.0493+ | -0.15 | 0.0444+ | -0.06 | 0.73 | -0.19 | 0.0046++ | -0.01 | 0.94 | -0.16 | 0.0210+ | -0.03 | 0.92 | -0.15 | 0.0262+ | -0.05 | 0.81 | -0.14 | 0.08 |
| CT_Par_L | -0.05 | 0.75 | -0.18 | 0.0042++ | -0.14 | 0.0493+ | -0.15 | 0.0444+ | -0.05 | 0.73 | -0.17 | 0.0078++ | -0.02 | 0.94 | -0.15 | 0.0214+ | -0.03 | 0.92 | -0.14 | 0.0319+ | -0.05 | 0.81 | -0.13 | 0.08 |
| CT_Par_R | -0.07 | 0.75 | -0.20 | 0.0028++ | -0.17 | 0.0493+ | -0.17 | 0.0444+ | -0.07 | 0.73 | -0.19 | 0.0046++ | -0.01 | 0.94 | -0.16 | 0.0210+ | -0.03 | 0.92 | -0.15 | 0.0262+ | -0.07 | 0.81 | -0.15 | 0.08 |
| CT_PFC_L | 0.01 | 0.94 | -0.15 | 0.0130+ | -0.13 | 0.06 | -0.13 | 0.05 | -0.03 | 0.73 | -0.18 | 0.0078++ | 0.05 | 0.94 | -0.12 | 0.06 | 0.01 | 0.93 | -0.12 | 0.05 | 0.01 | 0.96 | -0.09 | 0.14 |
| CT_PFC_R | -0.02 | 0.86 | -0.17 | 0.0071++ | -0.12 | 0.07 | -0.13 | 0.06 | -0.06 | 0.73 | -0.20 | 0.0044++ | 0.03 | 0.94 | -0.13 | 0.0416+ | 0.00 | 0.96 | -0.13 | 0.0443+ | 0.00 | 0.96 | -0.10 | 0.13 |
| CT_PM_L | -0.07 | 0.75 | -0.21 | 0.0025++ | -0.12 | 0.07 | -0.12 | 0.06 | -0.04 | 0.73 | -0.17 | 0.0078++ | -0.03 | 0.94 | -0.18 | 0.0210+ | -0.05 | 0.92 | -0.16 | 0.0245+ | -0.06 | 0.81 | -0.14 | 0.08 |
| CT_PM_R | -0.05 | 0.75 | -0.20 | 0.0029++ | -0.15 | 0.0493+ | -0.14 | 0.0444+ | -0.04 | 0.73 | -0.19 | 0.0066++ | -0.01 | 0.94 | -0.17 | 0.0210+ | -0.02 | 0.92 | -0.15 | 0.0262+ | -0.03 | 0.85 | -0.13 | 0.08 |
| IFOF_L | -0.02 | 0.85 | -0.19 | 0.0031++ | -0.14 | 0.0493+ | -0.14 | 0.0444+ | -0.05 | 0.73 | -0.20 | 0.0044++ | 0.01 | 0.94 | -0.15 | 0.0210+ | -0.01 | 0.93 | -0.15 | 0.0304+ | -0.02 | 0.90 | -0.12 | 0.08 |
| IFOF_R | -0.02 | 0.85 | -0.19 | 0.0029++ | -0.14 | 0.0493+ | -0.14 | 0.0444+ | -0.05 | 0.73 | -0.21 | 0.0040++ | 0.01 | 0.94 | -0.16 | 0.0210+ | -0.02 | 0.92 | -0.16 | 0.0245+ | -0.02 | 0.90 | -0.12 | 0.08 |
| ILF_L | -0.05 | 0.75 | -0.20 | 0.0029++ | -0.13 | 0.06 | -0.13 | 0.05 | -0.04 | 0.73 | -0.18 | 0.0078++ | -0.01 | 0.94 | -0.15 | 0.0210+ | -0.05 | 0.92 | -0.17 | 0.0245+ | -0.05 | 0.81 | -0.14 | 0.08 |
| ILF_R | -0.10 | 0.75 | -0.25 | 0.0009+++ | -0.14 | 0.0493+ | -0.14 | 0.0444+ | -0.06 | 0.73 | -0.21 | 0.0040++ | -0.05 | 0.94 | -0.20 | 0.0122+ | -0.09 | 0.92 | -0.22 | 0.0124+ | -0.10 | 0.81 | -0.18 | 0.07 |
| SLF_L | -0.04 | 0.78 | -0.17 | 0.0088++ | -0.14 | 0.0493+ | -0.14 | 0.0444+ | -0.02 | 0.75 | -0.14 | 0.0285+ | -0.03 | 0.94 | -0.16 | 0.0210+ | -0.02 | 0.92 | -0.13 | 0.0446+ | -0.02 | 0.90 | -0.10 | 0.14 |
| SLF_R | -0.10 | 0.75 | -0.21 | 0.0029++ | -0.16 | 0.0493+ | -0.16 | 0.0444+ | -0.10 | 0.73 | -0.19 | 0.0078++ | -0.08 | 0.94 | -0.20 | 0.0210+ | -0.05 | 0.92 | -0.15 | 0.0321+ | -0.08 | 0.81 | -0.13 | 0.08 |
| UNC_L | -0.05 | 0.75 | -0.22 | 0.0025++ | -0.15 | 0.0493+ | -0.14 | 0.0444+ | -0.07 | 0.73 | -0.22 | 0.0040++ | 0.01 | 0.94 | -0.16 | 0.0210+ | -0.02 | 0.92 | -0.17 | 0.0245+ | -0.04 | 0.81 | -0.15 | 0.08 |
| UNC_R | -0.05 | 0.75 | -0.23 | 0.0025++ | -0.15 | 0.0493+ | -0.14 | 0.0444+ | -0.07 | 0.73 | -0.23 | 0.0040++ | -0.01 | 0.94 | -0.18 | 0.0210+ | -0.02 | 0.92 | -0.17 | 0.0245+ | -0.04 | 0.81 | -0.14 | 0.08 |
| Genu | -0.03 | 0.79 | -0.19 | 0.0030++ | -0.12 | 0.07 | -0.12 | 0.06 | -0.08 | 0.73 | -0.21 | 0.0040++ | 0.03 | 0.94 | -0.13 | 0.0416+ | -0.01 | 0.94 | -0.14 | 0.0332+ | -0.02 | 0.90 | -0.11 | 0.09 |
| Rost | 0.00 | 0.99 | -0.17 | 0.0066++ | -0.14 | 0.0493+ | -0.14 | 0.0444+ | -0.06 | 0.73 | -0.20 | 0.0044++ | 0.05 | 0.94 | -0.12 | 0.06 | 0.02 | 0.92 | -0.12 | 0.05 | 0.01 | 0.96 | -0.09 | 0.14 |
| Splen | -0.09 | 0.75 | -0.21 | 0.0025++ | -0.12 | 0.07 | -0.12 | 0.06 | -0.05 | 0.73 | -0.17 | 0.0078++ | -0.11 | 0.94 | -0.22 | 0.0085++ | -0.07 | 0.92 | -0.17 | 0.0245+ | -0.05 | 0.81 | -0.13 | 0.08 |

*Table 6.2.c: Comparison between Age-Sex Corrected and Unadjusted Correlations –FA at birth and MSEL Scores at age 2*

Tables display Pearson's correlations by each tract with FDR-corrected p-values. Age-Sex models are corrected for gestational age at birth and age at MSEL 2-year testing. Cells highlighted in yellow are significant in one model (i.e. unadjusted *or* Age-Sex), cells in yellow are significant in both models, and cells highlighted in gray are of a similar magnitude/trend to those significant in the other model.

| | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FA 0 - ELC 2 | | FA 0 - ELC 2 | | FA 0 - GM 2 | | FA 0 - GM2 | | FA 0 - FM 2 | | FA 0 - FM2 | | FA 0 - EL 2 | | FA 0 - EL2 | | FA 0 - RL 2 | | FA 0 - RL2 | | FA 0 - VR 2 | | FA 0 - VR2 | | | | | |
| Tract | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | | | | |
| ARC_FP_L | 0.05 | 0.75 | 0.19 | 0.0078++ | 0.14 | 0.05 | 0.14 | 0.0497+ | 0.01 | 0.99 | 0.12 | 0.08 | 0.00 | 0.98 | 0.14 | 0.12 | 0.06 | 0.55 | 0.18 | 0.0138+ | 0.06 | 0.64 | 0.14 | 0.06 | | | | |
| ARC_FP_R | 0.07 | 0.75 | 0.13 | 0.07 | 0.11 | 0.15 | 0.10 | 0.16 | 0.03 | 0.99 | 0.08 | 0.29 | 0.05 | 0.98 | 0.11 | 0.14 | 0.07 | 0.55 | 0.12 | 0.10 | 0.07 | 0.60 | 0.10 | 0.22 | | | | |
| ARC_FT_L | -0.04 | 0.78 | 0.07 | 0.25 | 0.13 | 0.06 | 0.13 | 0.06 | -0.03 | 0.99 | 0.07 | 0.32 | -0.08 | 0.98 | 0.03 | 0.69 | -0.01 | 0.95 | 0.08 | 0.21 | 0.00 | 0.99 | 0.06 | 0.41 | | | | |
| ARC_FT_R | 0.05 | 0.75 | 0.14 | 0.0395+ | 0.09 | 0.20 | 0.09 | 0.17 | 0.00 | 0.99 | 0.09 | 0.19 | 0.02 | 0.98 | 0.11 | 0.13 | 0.06 | 0.55 | 0.14 | 0.0397+ | 0.06 | 0.60 | 0.11 | 0.13 | | | | |
| ARC_TP_L | -0.06 | 0.75 | 0.09 | 0.25 | 0.03 | 0.66 | 0.07 | 0.34 | -0.04 | 0.99 | 0.07 | 0.39 | -0.09 | 0.98 | 0.07 | 0.43 | -0.08 | 0.55 | 0.04 | 0.58 | 0.00 | 0.99 | 0.06 | 0.47 | | | | |
| ARC_TP_R | 0.07 | 0.75 | 0.18 | 0.0101+ | 0.13 | 0.06 | 0.14 | 0.0461+ | 0.03 | 0.99 | 0.13 | 0.06 | 0.02 | 0.98 | 0.13 | 0.12 | 0.08 | 0.55 | 0.17 | 0.0138+ | 0.08 | 0.60 | 0.14 | 0.06 | | | | |
| CF_M_L | 0.01 | 1.00 | 0.11 | 0.09 | 0.15 | 0.0466+ | 0.16 | 0.0350+ | -0.04 | 0.99 | 0.07 | 0.29 | 0.01 | 0.98 | 0.11 | 0.12 | 0.07 | 0.55 | 0.15 | 0.0287+ | 0.02 | 0.92 | 0.09 | 0.22 | | | | |
| CF_M_R | 0.07 | 0.75 | 0.17 | 0.0131+ | 0.15 | 0.0466+ | 0.16 | 0.0350+ | 0.01 | 0.99 | 0.12 | 0.08 | 0.01 | 0.98 | 0.13 | 0.12 | 0.11 | 0.55 | 0.20 | 0.0070++ | 0.06 | 0.60 | 0.13 | 0.07 | | | | |
| Cing_L | 0.00 | 1.00 | 0.03 | 0.65 | 0.08 | 0.21 | 0.09 | 0.17 | 0.02 | 0.99 | 0.05 | 0.41 | -0.05 | 0.98 | -0.01 | 0.89 | 0.02 | 0.79 | 0.05 | 0.47 | 0.04 | 0.71 | 0.06 | 0.37 | | | | |
| Cing_R | -0.11 | 0.64 | -0.06 | 0.36 | 0.06 | 0.36 | 0.07 | 0.27 | -0.10 | 0.99 | -0.05 | 0.48 | -0.10 | 0.98 | -0.04 | 0.60 | -0.05 | 0.60 | 0.00 | 0.97 | -0.05 | 0.64 | -0.02 | 0.75 | | | | |
| CT_M_L | 0.00 | 1.00 | 0.11 | 0.09 | 0.14 | 0.0466+ | 0.15 | 0.0350+ | -0.04 | 0.99 | 0.08 | 0.28 | -0.01 | 0.98 | 0.11 | 0.13 | 0.05 | 0.60 | 0.14 | 0.0421+ | 0.02 | 0.90 | 0.09 | 0.21 | | | | |
| CT_M_R | 0.06 | 0.75 | 0.19 | 0.0078++ | 0.20 | 0.0441+ | 0.20 | 0.0350+ | 0.02 | 0.99 | 0.14 | 0.05 | 0.00 | 0.98 | 0.13 | 0.12 | 0.08 | 0.55 | 0.18 | 0.0104+ | 0.09 | 0.60 | 0.16 | 0.0396+ | | | | |
| CT_Par_L | 0.03 | 0.78 | 0.13 | 0.0448+ | 0.14 | 0.06 | 0.15 | 0.0350+ | 0.00 | 0.99 | 0.11 | 0.11 | -0.02 | 0.98 | 0.11 | 0.13 | 0.06 | 0.56 | 0.15 | 0.0263+ | 0.07 | 0.60 | 0.13 | 0.06 | | | | |
| CT_Par_R | 0.05 | 0.75 | 0.16 | 0.0214+ | 0.17 | 0.0466+ | 0.18 | 0.0350+ | 0.04 | 0.99 | 0.15 | 0.05 | -0.03 | 0.98 | 0.10 | 0.14 | 0.07 | 0.55 | 0.17 | 0.0138+ | 0.08 | 0.60 | 0.14 | 0.06 | | | | |
| CT_PFC_L | -0.03 | 0.80 | 0.11 | 0.09 | 0.11 | 0.10 | 0.12 | 0.07 | -0.01 | 0.99 | 0.13 | 0.06 | -0.06 | 0.98 | 0.09 | 0.16 | 0.00 | 0.95 | 0.11 | 0.10 | -0.03 | 0.87 | 0.07 | 0.36 | | | | |
| CT_PFC_R | 0.02 | 0.89 | 0.16 | 0.0185+ | 0.16 | 0.0466+ | 0.16 | 0.0350+ | 0.02 | 0.99 | 0.16 | 0.0294+ | -0.04 | 0.98 | 0.12 | 0.12 | 0.05 | 0.60 | 0.16 | 0.0162+ | 0.02 | 0.90 | 0.11 | 0.12 | | | | |
| CT_PM_L | 0.03 | 0.78 | 0.13 | 0.0448+ | 0.10 | 0.13 | 0.11 | 0.08 | -0.02 | 0.99 | 0.09 | 0.20 | 0.00 | 0.98 | 0.11 | 0.12 | 0.08 | 0.55 | 0.16 | 0.0184+ | 0.05 | 0.64 | 0.12 | 0.11 | | | | |
| CT_PM_R | 0.05 | 0.75 | 0.17 | 0.0131+ | 0.17 | 0.0466+ | 0.17 | 0.0350+ | -0.01 | 0.99 | 0.12 | 0.08 | -0.02 | 0.98 | 0.12 | 0.12 | 0.10 | 0.55 | 0.20 | 0.0070++ | 0.07 | 0.60 | 0.15 | 0.0469+ | | | | |
| IFOF_L | 0.08 | 0.75 | 0.21 | 0.0073++ | 0.15 | 0.0466+ | 0.15 | 0.0350+ | 0.04 | 0.99 | 0.18 | 0.0263+ | -0.01 | 0.98 | 0.14 | 0.12 | 0.09 | 0.55 | 0.19 | 0.0070++ | 0.09 | 0.60 | 0.17 | 0.0396+ | | | | |
| IFOF_R | 0.05 | 0.75 | 0.19 | 0.0078++ | 0.14 | 0.0466+ | 0.15 | 0.0350+ | 0.04 | 0.99 | 0.19 | 0.0236+ | -0.03 | 0.98 | 0.13 | 0.12 | 0.08 | 0.55 | 0.19 | 0.0082++ | 0.07 | 0.60 | 0.15 | 0.0438+ | | | | |
| ILF_L | 0.10 | 0.64 | 0.20 | 0.0078++ | 0.12 | 0.08 | 0.13 | 0.05 | 0.07 | 0.99 | 0.17 | 0.0294+ | 0.00 | 0.98 | 0.12 | 0.12 | 0.13 | 0.55 | 0.21 | 0.0070++ | 0.12 | 0.60 | 0.17 | 0.0396+ | | | | |
| ILF_R | 0.10 | 0.64 | 0.19 | 0.0078++ | 0.09 | 0.18 | 0.10 | 0.12 | 0.08 | 0.99 | 0.19 | 0.0236+ | 0.00 | 0.98 | 0.12 | 0.12 | 0.11 | 0.55 | 0.19 | 0.0070++ | 0.11 | 0.60 | 0.17 | 0.0396+ | | | | |
| SLF_L | 0.00 | 1.00 | 0.08 | 0.23 | 0.16 | 0.0466+ | 0.17 | 0.0350+ | -0.01 | 0.99 | 0.07 | 0.29 | -0.03 | 0.98 | 0.07 | 0.35 | 0.03 | 0.79 | 0.10 | 0.14 | 0.00 | 0.99 | 0.05 | 0.47 | | | | |
| SLF_R | 0.11 | 0.64 | 0.15 | 0.0448+ | 0.16 | 0.0466+ | 0.17 | 0.0350+ | 0.11 | 0.99 | 0.15 | 0.06 | 0.09 | 0.98 | 0.14 | 0.12 | 0.05 | 0.60 | 0.10 | 0.17 | 0.10 | 0.60 | 0.11 | 0.15 | | | | |
| UNC_L | 0.07 | 0.75 | 0.22 | 0.0067++ | 0.16 | 0.0466+ | 0.16 | 0.0350+ | 0.04 | 0.99 | 0.19 | 0.0236+ | -0.01 | 0.98 | 0.15 | 0.12 | 0.08 | 0.55 | 0.19 | 0.0070++ | 0.09 | 0.60 | 0.17 | 0.0396+ | | | | |
| UNC_R | 0.05 | 0.75 | 0.19 | 0.0078++ | 0.14 | 0.0466+ | 0.15 | 0.0350+ | 0.03 | 0.99 | 0.18 | 0.0263+ | -0.03 | 0.98 | 0.13 | 0.12 | 0.05 | 0.60 | 0.17 | 0.0138+ | 0.08 | 0.60 | 0.16 | 0.0396+ | | | | |
| Genu | 0.00 | 1.00 | 0.14 | 0.0448+ | 0.12 | 0.08 | 0.12 | 0.07 | 0.05 | 0.99 | 0.16 | 0.0294+ | -0.04 | 0.98 | 0.10 | 0.14 | 0.00 | 0.95 | 0.12 | 0.08 | 0.00 | 0.99 | 0.08 | 0.27 | | | | |
| Rost | -0.04 | 0.75 | 0.09 | 0.16 | 0.15 | 0.0466+ | 0.15 | 0.0350+ | 0.02 | 0.99 | 0.13 | 0.06 | -0.07 | 0.98 | 0.07 | 0.32 | -0.03 | 0.79 | 0.08 | 0.21 | -0.04 | 0.71 | 0.04 | 0.52 | | | | |
| Splen | 0.15 | 0.37 | 0.22 | 0.0067++ | 0.09 | 0.16 | 0.11 | 0.10 | 0.07 | 0.99 | 0.15 | 0.0407+ | 0.15 | 0.53 | 0.23 | 0.0046++ | 0.16 | 0.24 | 0.23 | 0.0054++ | 0.10 | 0.60 | 0.16 | 0.0396+ | | | | |

*Table 6.3.a: Comparison between Age-Sex Corrected and Unadjusted Correlations –AD at age 1 and MSEL Scores at age 1*

Tables display Pearson's correlations by each tract with FDR-corrected p-values. Age-Sex models are corrected for age at 1-year visit. Cells highlighted in yellow are significant in one model (i.e. unadjusted *or* Age-Sex), cells in yellow are significant in both models, and cells highlighted in gray are of a similar magnitude/trend to those significant in the other model.

| | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | AD 1 - ELC 1 | | AD 1 - ELC 1 | | AD 1 - GM1 | | AD 1 - GM1 | | AD 1 - FM1 | | AD 1 - FM1 | | AD 1 - EL 1 | | AD 1 - EL1 | | AD 1 - RL 1 | | AD 1 - RL1 | | AD 1 - VR 1 | | AD 1 - VR1 | |
| Tract | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* |
| ARC_FP_L | 0.01 | 0.91 | 0.01 | 0.89 | 0.04 | 0.63 | 0.04 | 0.58 | 0.01 | 0.93 | 0.02 | 0.86 | 0.03 | 0.61 | 0.04 | 0.57 | 0.05 | 0.71 | 0.04 | 0.60 | 0.00 | 0.96 | 0.00 | 0.98 |
| ARC_FP_R | 0.06 | 0.49 | 0.04 | 0.65 | 0.03 | 0.67 | 0.06 | 0.44 | 0.08 | 0.38 | 0.10 | 0.21 | 0.03 | 0.63 | 0.05 | 0.47 | 0.09 | 0.66 | 0.11 | 0.26 | 0.09 | 0.59 | 0.12 | 0.26 |
| ARC_FT_L | 0.17 | 0.09 | 0.17 | 0.10 | 0.10 | 0.24 | 0.12 | 0.10 | 0.08 | 0.37 | 0.09 | 0.32 | 0.17 | 0.07 | 0.18 | 0.0216+ | 0.07 | 0.70 | 0.09 | 0.42 | 0.13 | 0.51 | 0.15 | 0.13 |
| ARC_FT_R | 0.11 | 0.24 | 0.09 | 0.41 | 0.03 | 0.67 | 0.10 | 0.18 | 0.09 | 0.37 | 0.14 | 0.09 | 0.13 | 0.12 | 0.17 | 0.0216+ | 0.07 | 0.70 | 0.12 | 0.21 | 0.10 | 0.59 | 0.15 | 0.13 |
| ARC_TP_L | 0.05 | 0.49 | 0.05 | 0.64 | 0.04 | 0.63 | 0.06 | 0.44 | 0.05 | 0.73 | 0.06 | 0.49 | 0.12 | 0.12 | 0.13 | 0.07 | 0.03 | 0.87 | 0.01 | 0.84 | 0.08 | 0.66 | 0.09 | 0.30 |
| ARC_TP_R | 0.00 | 0.95 | 0.02 | 0.89 | 0.06 | 0.48 | 0.01 | 0.90 | 0.01 | 0.93 | 0.04 | 0.70 | 0.09 | 0.21 | 0.12 | 0.09 | 0.01 | 0.96 | 0.05 | 0.54 | 0.02 | 0.90 | 0.06 | 0.50 |
| CF_M_L | 0.08 | 0.36 | 0.07 | 0.44 | 0.11 | 0.22 | 0.13 | 0.07 | 0.13 | 0.17 | 0.15 | 0.07 | 0.17 | 0.07 | 0.19 | 0.0216+ | 0.02 | 0.96 | 0.04 | 0.59 | 0.00 | 0.96 | 0.03 | 0.78 |
| CF_M_R | 0.08 | 0.36 | 0.07 | 0.44 | 0.13 | 0.10 | 0.16 | 0.0249+ | 0.13 | 0.17 | 0.14 | 0.07 | 0.12 | 0.12 | 0.14 | 0.0457+ | 0.05 | 0.71 | 0.08 | 0.43 | 0.03 | 0.79 | 0.07 | 0.46 |
| Cing_L | 0.07 | 0.40 | 0.08 | 0.44 | 0.04 | 0.63 | 0.05 | 0.51 | 0.08 | 0.37 | 0.08 | 0.36 | 0.11 | 0.16 | 0.11 | 0.11 | 0.05 | 0.71 | 0.06 | 0.53 | 0.06 | 0.76 | 0.07 | 0.46 |
| Cing_R | 0.07 | 0.40 | 0.07 | 0.44 | 0.06 | 0.48 | 0.08 | 0.26 | 0.04 | 0.75 | 0.05 | 0.58 | 0.10 | 0.18 | 0.11 | 0.11 | 0.02 | 0.96 | 0.04 | 0.60 | 0.08 | 0.66 | 0.10 | 0.26 |
| CT_M_L | 0.03 | 0.68 | 0.01 | 0.89 | 0.18 | 0.0220+ | 0.22 | 0.0027++ | 0.10 | 0.28 | 0.14 | 0.08 | 0.14 | 0.10 | 0.17 | 0.0216+ | 0.03 | 0.86 | 0.07 | 0.45 | 0.04 | 0.76 | 0.01 | 0.96 |
| CT_M_R | 0.15 | 0.18 | 0.13 | 0.40 | 0.20 | 0.0151+ | 0.24 | 0.0012++ | 0.15 | 0.14 | 0.17 | 0.0268+ | 0.15 | 0.09 | 0.18 | 0.0216+ | 0.13 | 0.59 | 0.17 | 0.10 | 0.06 | 0.76 | 0.10 | 0.26 |
| CT_Par_L | 0.10 | 0.25 | 0.09 | 0.41 | 0.20 | 0.0151+ | 0.22 | 0.0027++ | 0.08 | 0.37 | 0.11 | 0.19 | 0.19 | 0.05 | 0.21 | 0.0190+ | 0.12 | 0.59 | 0.14 | 0.10 | 0.04 | 0.76 | 0.07 | 0.44 |
| CT_Par_R | 0.12 | 0.24 | 0.09 | 0.41 | 0.14 | 0.08 | 0.19 | 0.0077++ | 0.20 | 0.0314+ | 0.23 | 0.0051++ | 0.15 | 0.10 | 0.18 | 0.0216+ | 0.10 | 0.62 | 0.14 | 0.10 | 0.05 | 0.76 | 0.11 | 0.26 |
| CT_PFC_L | 0.09 | 0.30 | 0.08 | 0.44 | 0.15 | 0.07 | 0.17 | 0.0226+ | 0.16 | 0.11 | 0.18 | 0.0268+ | 0.08 | 0.27 | 0.10 | 0.17 | 0.01 | 0.97 | 0.02 | 0.80 | 0.06 | 0.76 | 0.09 | 0.33 |
| CT_PFC_R | 0.13 | 0.23 | 0.11 | 0.41 | 0.18 | 0.0231+ | 0.21 | 0.0040++ | 0.11 | 0.23 | 0.15 | 0.07 | 0.15 | 0.09 | 0.18 | 0.0216+ | 0.01 | 0.97 | 0.04 | 0.59 | 0.04 | 0.79 | 0.08 | 0.44 |
| CT_PM_L | 0.01 | 0.93 | 0.01 | 0.89 | 0.09 | 0.28 | 0.14 | 0.06 | 0.03 | 0.77 | 0.07 | 0.45 | 0.08 | 0.26 | 0.11 | 0.11 | 0.00 | 0.97 | 0.04 | 0.59 | 0.05 | 0.76 | 0.01 | 0.96 |
| CT_PM_R | 0.12 | 0.23 | 0.09 | 0.41 | 0.20 | 0.0151+ | 0.25 | 0.0007+++ | 0.13 | 0.17 | 0.17 | 0.0268+ | 0.13 | 0.12 | 0.17 | 0.0216+ | 0.10 | 0.61 | 0.15 | 0.10 | 0.05 | 0.76 | 0.10 | 0.26 |
| IFOF_L | 0.06 | 0.46 | 0.06 | 0.49 | 0.09 | 0.30 | 0.10 | 0.18 | 0.01 | 0.93 | 0.01 | 0.86 | 0.04 | 0.58 | 0.05 | 0.47 | 0.05 | 0.71 | 0.06 | 0.47 | 0.02 | 0.88 | 0.04 | 0.69 |
| IFOF_R | 0.11 | 0.24 | 0.12 | 0.41 | 0.05 | 0.63 | 0.04 | 0.58 | 0.04 | 0.75 | 0.02 | 0.79 | 0.08 | 0.26 | 0.08 | 0.28 | 0.08 | 0.66 | 0.07 | 0.45 | 0.05 | 0.76 | 0.04 | 0.68 |
| ILF_L | 0.07 | 0.40 | 0.07 | 0.44 | 0.14 | 0.08 | 0.16 | 0.0325+ | 0.04 | 0.77 | 0.04 | 0.68 | 0.08 | 0.27 | 0.09 | 0.20 | 0.05 | 0.71 | 0.07 | 0.47 | 0.01 | 0.96 | 0.02 | 0.82 |
| ILF_R | 0.07 | 0.40 | 0.08 | 0.44 | 0.11 | 0.19 | 0.12 | 0.10 | 0.07 | 0.47 | 0.06 | 0.49 | 0.11 | 0.16 | 0.11 | 0.12 | 0.07 | 0.70 | 0.08 | 0.42 | 0.03 | 0.82 | 0.01 | 0.95 |
| SLF_L | 0.13 | 0.23 | 0.11 | 0.41 | 0.07 | 0.45 | 0.10 | 0.18 | 0.10 | 0.28 | 0.13 | 0.11 | 0.11 | 0.15 | 0.13 | 0.07 | 0.08 | 0.66 | 0.11 | 0.26 | 0.10 | 0.59 | 0.12 | 0.26 |
| SLF_R | 0.22 | 0.0168+ | 0.19 | 0.07 | 0.09 | 0.28 | 0.13 | 0.08 | 0.16 | 0.11 | 0.19 | 0.0235+ | 0.14 | 0.10 | 0.16 | 0.0232+ | 0.11 | 0.59 | 0.14 | 0.10 | 0.16 | 0.34 | 0.19 | 0.0334+ |
| UNC_L | 0.04 | 0.63 | 0.04 | 0.69 | 0.03 | 0.68 | 0.03 | 0.61 | 0.03 | 0.79 | 0.03 | 0.74 | 0.04 | 0.55 | 0.05 | 0.47 | 0.01 | 0.96 | 0.02 | 0.82 | 0.04 | 0.79 | 0.04 | 0.69 |
| UNC_R | 0.02 | 0.78 | 0.02 | 0.83 | 0.03 | 0.69 | 0.04 | 0.59 | 0.00 | 0.96 | 0.00 | 0.98 | 0.04 | 0.58 | 0.03 | 0.63 | 0.06 | 0.71 | 0.07 | 0.46 | 0.06 | 0.76 | 0.05 | 0.68 |
| Genu | 0.07 | 0.40 | 0.03 | 0.79 | 0.20 | 0.0189+ | 0.27 | 0.0007+++ | 0.03 | 0.77 | 0.11 | 0.18 | 0.12 | 0.14 | 0.18 | 0.0216+ | 0.07 | 0.70 | 0.15 | 0.10 | 0.02 | 0.90 | 0.11 | 0.26 |
| Rost | 0.11 | 0.24 | 0.07 | 0.44 | 0.09 | 0.30 | 0.17 | 0.0249+ | 0.14 | 0.17 | 0.20 | 0.0215+ | 0.10 | 0.16 | 0.16 | 0.0271+ | 0.01 | 0.96 | 0.09 | 0.40 | 0.12 | 0.55 | 0.19 | 0.0334+ |
| Splen | 0.12 | 0.23 | 0.10 | 0.41 | 0.04 | 0.63 | 0.10 | 0.18 | 0.03 | 0.77 | 0.06 | 0.49 | 0.14 | 0.10 | 0.17 | 0.0216+ | 0.12 | 0.59 | 0.16 | 0.10 | 0.09 | 0.59 | 0.14 | 0.16 |

*Table 6.3.b: Comparison between Age-Sex Corrected and Unadjusted Correlations –RD at age 1 and MSEL Scores at age 1*

Tables display Pearson's correlations by each tract with FDR-corrected p-values. Age-Sex models are corrected for age at 1-year visit. Cells highlighted in yellow are significant in one model (i.e. unadjusted *or* Age-Sex), cells in yellow are significant in both models, and cells highlighted in gray are of a similar magnitude/trend to those significant in the other model.

| | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | RD 1 - ELC 1 | | RD 1 - ELC 1 | | RD 1 - GMI 1 | | RD 1 - GMI | | RD 1 - FMI 1 | | RD 1 - FMI | | RD 1 - EL 1 | | RD 1 - EL1 | | RD 1 - RL 1 | | RD 1 - RL1 | | RD 1 - VR 1 | | RD 1 - VR1 | |
| Tract | Pearson's r | fdr Pval | Pearson's r | fdr Pval | Pearson's r | fdr Pval | Pearson's r | fdr Pval | Pearson's r | fdr Pval | Pearson's r | fdr Pval | Pearson's r | fdr Pval | Pearson's r | fdr Pval | Pearson's r | fdr Pval | Pearson's r | fdr Pval | Pearson's r | fdr Pval | Pearson's r | fdr Pval |
| ARC_FP_L | 0.11 | 0.13 | 0.07 | 0.31 | -0.12 | 0.06 | -0.19 | 0.0035++ | -0.12 | 0.06 | -0.18 | 0.0058++ | -0.14 | 0.06 | -0.18 | 0.0109+ | -0.06 | 0.61 | -0.12 | 0.12 | 0.08 | 0.41 | -0.15 | 0.06 |
| ARC_FP_R | 0.14 | 0.07 | 0.11 | 0.22 | -0.11 | 0.10 | -0.17 | 0.0064++ | -0.15 | 0.0248+ | -0.20 | 0.0023++ | -0.13 | 0.07 | -0.17 | 0.0134+ | -0.05 | 0.62 | -0.11 | 0.13 | 0.10 | 0.40 | -0.16 | 0.0462+ |
| ARC_FT_L | 0.10 | 0.13 | 0.09 | 0.26 | -0.15 | 0.0299+ | -0.19 | 0.0041++ | -0.13 | 0.0432+ | -0.17 | 0.0098++ | -0.14 | 0.06 | -0.17 | 0.0139+ | -0.03 | 0.70 | -0.07 | 0.30 | 0.07 | 0.55 | -0.11 | 0.14 |
| ARC_FT_R | -0.16 | 0.0484+ | -0.11 | 0.22 | 0.09 | 0.16 | -0.17 | 0.0075++ | -0.14 | 0.0350+ | -0.22 | 0.0014++ | -0.14 | 0.06 | -0.19 | 0.0093++ | -0.06 | 0.61 | -0.13 | 0.12 | -0.15 | 0.34 | -0.22 | 0.0144+ |
| ARC_TP_L | -0.16 | 0.0459+ | -0.13 | 0.15 | -0.14 | 0.0352+ | -0.20 | 0.0019++ | -0.17 | 0.0153+ | -0.22 | 0.0013++ | -0.20 | 0.0108+ | -0.24 | 0.0011++ | -0.06 | 0.61 | -0.12 | 0.12 | -0.15 | 0.34 | -0.21 | 0.0144+ |
| ARC_TP_R | 0.13 | 0.10 | 0.09 | 0.23 | 0.08 | 0.19 | -0.15 | 0.0203+ | -0.14 | 0.0350+ | -0.19 | 0.0033++ | -0.14 | 0.06 | -0.18 | 0.0117+ | -0.05 | 0.62 | -0.11 | 0.13 | -0.12 | 0.37 | -0.18 | 0.0297+ |
| CF_M_L | -0.20 | 0.0196+ | -0.18 | 0.06 | -0.21 | 0.0037++ | -0.23 | 0.0005+++ | -0.20 | 0.0070++ | -0.22 | 0.0012++ | -0.20 | 0.0108+ | -0.21 | 0.0033++ | -0.16 | 0.20 | -0.18 | 0.0394+ | 0.10 | 0.39 | -0.13 | 0.09 |
| CF_M_R | -0.12 | 0.11 | -0.10 | 0.23 | -0.22 | 0.0037++ | -0.23 | 0.0005+++ | -0.18 | 0.0111+ | -0.20 | 0.0023++ | -0.15 | 0.0460+ | -0.17 | 0.0134+ | -0.12 | 0.28 | -0.15 | 0.09 | -0.02 | 0.85 | -0.05 | 0.53 |
| Cing_L | 0.08 | 0.23 | 0.06 | 0.44 | -0.18 | 0.0102+ | -0.21 | 0.0014++ | -0.11 | 0.09 | -0.15 | 0.0193+ | -0.10 | 0.12 | -0.13 | 0.0496+ | -0.03 | 0.70 | -0.07 | 0.33 | 0.05 | 0.56 | -0.09 | 0.19 |
| Cing_R | -0.12 | 0.11 | -0.09 | 0.26 | -0.17 | 0.0147+ | -0.21 | 0.0014++ | -0.11 | 0.08 | -0.16 | 0.0119+ | -0.13 | 0.06 | -0.17 | 0.0139+ | -0.05 | 0.62 | -0.09 | 0.20 | 0.08 | 0.43 | -0.12 | 0.10 |
| CT_M_L | -0.18 | 0.0340+ | -0.16 | 0.11 | -0.23 | 0.0037++ | -0.26 | 0.0004+++ | -0.16 | 0.0183+ | -0.19 | 0.0033++ | -0.16 | 0.0419+ | -0.19 | 0.0093++ | -0.16 | 0.20 | -0.19 | 0.0340+ | -0.10 | 0.39 | -0.14 | 0.06 |
| CT_M_R | 0.10 | 0.13 | 0.10 | 0.23 | -0.24 | 0.0028++ | -0.25 | 0.0004+++ | -0.13 | 0.0432+ | -0.14 | 0.0233+ | 0.08 | 0.21 | 0.10 | 0.13 | 0.11 | 0.36 | 0.13 | 0.12 | 0.01 | 0.85 | 0.04 | 0.58 |
| CT_Par_L | -0.18 | 0.0340+ | -0.15 | 0.13 | -0.21 | 0.0037++ | -0.25 | 0.0004+++ | -0.18 | 0.0111+ | -0.22 | 0.0013++ | -0.24 | 0.0028++ | -0.27 | 0.0004+++ | -0.13 | 0.27 | -0.17 | 0.0464+ | -0.06 | 0.56 | -0.11 | 0.14 |
| CT_Par_R | 0.10 | 0.14 | 0.08 | 0.27 | -0.14 | 0.0385+ | -0.17 | 0.0064++ | -0.20 | 0.0070++ | -0.22 | 0.0012++ | -0.17 | 0.0410+ | -0.19 | 0.0093++ | -0.10 | 0.46 | -0.13 | 0.12 | -0.01 | 0.85 | -0.06 | 0.45 |
| CT_PFC_L | 0.04 | 0.51 | 0.03 | 0.67 | -0.20 | 0.0060++ | -0.21 | 0.0014++ | -0.18 | 0.0111+ | -0.20 | 0.0027++ | 0.07 | 0.28 | 0.08 | 0.19 | 0.02 | 0.82 | 0.01 | 0.93 | 0.01 | 0.85 | 0.04 | 0.58 |
| CT_PFC_R | 0.14 | 0.09 | 0.11 | 0.22 | -0.18 | 0.0113+ | -0.22 | 0.0012++ | -0.21 | 0.0070++ | -0.25 | 0.0007+++ | -0.14 | 0.06 | -0.17 | 0.0139+ | -0.05 | 0.62 | -0.09 | 0.21 | -0.06 | 0.56 | -0.11 | 0.15 |
| CT_PM_L | -0.15 | 0.0484+ | -0.13 | 0.15 | -0.16 | 0.0147+ | -0.20 | 0.0026++ | -0.17 | 0.0132+ | -0.19 | 0.0028++ | -0.11 | 0.10 | -0.14 | 0.0377+ | -0.09 | 0.46 | -0.12 | 0.12 | -0.06 | 0.56 | -0.09 | 0.19 |
| CT_PM_R | 0.11 | 0.13 | 0.10 | 0.23 | -0.22 | 0.0037++ | -0.24 | 0.0005+++ | -0.16 | 0.0183+ | -0.18 | 0.0058++ | 0.10 | 0.14 | 0.12 | 0.07 | 0.08 | 0.52 | 0.10 | 0.14 | 0.02 | 0.85 | 0.05 | 0.53 |
| IFOF_L | 0.13 | 0.09 | 0.11 | 0.22 | -0.19 | 0.0090++ | -0.23 | 0.0005+++ | -0.20 | 0.0070++ | -0.22 | 0.0012++ | -0.13 | 0.07 | -0.16 | 0.0139+ | -0.06 | 0.61 | -0.11 | 0.13 | -0.08 | 0.41 | -0.14 | 0.07 |
| IFOF_R | 0.13 | 0.10 | 0.10 | 0.23 | -0.21 | 0.0037++ | -0.26 | 0.0004+++ | -0.22 | 0.0069++ | -0.25 | 0.0005+++ | -0.16 | 0.0419+ | -0.20 | 0.0079++ | -0.06 | 0.61 | -0.12 | 0.12 | -0.09 | 0.41 | -0.15 | 0.06 |
| ILF_L | 0.16 | 0.0459+ | 0.14 | 0.15 | -0.21 | 0.0042++ | -0.26 | 0.0004+++ | -0.20 | 0.0070++ | -0.24 | 0.0008+++ | -0.14 | 0.06 | -0.18 | 0.0109+ | -0.10 | 0.46 | -0.15 | 0.09 | -0.12 | 0.37 | -0.18 | 0.0297+ |
| ILF_R | -0.16 | 0.0459+ | -0.13 | 0.15 | -0.18 | 0.0113+ | -0.24 | 0.0005+++ | -0.22 | 0.0069++ | -0.26 | 0.0005+++ | -0.21 | 0.0108+ | -0.25 | 0.0011++ | -0.09 | 0.46 | -0.16 | 0.08 | -0.10 | 0.39 | -0.17 | 0.0322+ |
| SLF_L | 0.11 | 0.12 | 0.08 | 0.28 | -0.11 | 0.09 | -0.17 | 0.0064++ | -0.15 | 0.0227+ | -0.21 | 0.0021++ | -0.13 | 0.07 | -0.17 | 0.0139+ | -0.07 | 0.61 | -0.12 | 0.12 | -0.08 | 0.41 | -0.14 | 0.06 |
| SLF_R | 0.12 | 0.11 | 0.09 | 0.23 | 0.09 | 0.16 | -0.13 | 0.0397+ | -0.15 | 0.0224+ | -0.19 | 0.0040++ | -0.11 | 0.12 | -0.13 | 0.0449+ | -0.03 | 0.70 | -0.07 | 0.33 | -0.08 | 0.43 | -0.11 | 0.13 |
| UNC_L | 0.04 | 0.56 | 0.03 | 0.67 | -0.15 | 0.0228+ | -0.16 | 0.0108+ | -0.13 | 0.0432+ | -0.14 | 0.0301+ | 0.07 | 0.28 | 0.08 | 0.21 | 0.00 | 0.94 | 0.02 | 0.76 | 0.02 | 0.85 | 0.03 | 0.58 |
| UNC_R | 0.07 | 0.29 | 0.06 | 0.44 | -0.16 | 0.0177+ | -0.19 | 0.0036++ | -0.18 | 0.0111+ | -0.20 | 0.0023++ | 0.08 | 0.26 | 0.10 | 0.13 | -0.04 | 0.63 | -0.07 | 0.29 | -0.04 | 0.69 | -0.08 | 0.28 |
| Genu | 0.07 | 0.32 | 0.03 | 0.67 | -0.17 | 0.0147+ | -0.23 | 0.0009+++ | -0.18 | 0.0132+ | -0.24 | 0.0008+++ | -0.13 | 0.08 | -0.17 | 0.0146+ | -0.06 | 0.61 | -0.12 | 0.12 | 0.01 | 0.85 | -0.06 | 0.45 |
| Rost | 0.06 | 0.38 | 0.02 | 0.72 | -0.16 | 0.0147+ | -0.23 | 0.0005+++ | -0.19 | 0.0070++ | -0.25 | 0.0005+++ | -0.07 | 0.27 | -0.12 | 0.06 | 0.01 | 0.92 | -0.06 | 0.33 | -0.04 | 0.74 | -0.11 | 0.13 |
| Splen | -0.22 | 0.0109+ | -0.19 | 0.06 | -0.18 | 0.0113+ | -0.23 | 0.0005+++ | -0.19 | 0.0090++ | -0.23 | 0.0008+++ | -0.20 | 0.0108+ | -0.24 | 0.0011++ | -0.14 | 0.23 | -0.19 | 0.0340+ | -0.12 | 0.37 | -0.18 | 0.0297+ |

*Table 6.3.c: Comparison between Age-Sex Corrected and Unadjusted Correlations –FA at age 1 and MSEL Scores at age 1*

Tables display Pearson's correlations by each tract with FDR-corrected p-values. Age-Sex models are corrected for age at 1-year visit. Cells highlighted in yellow are significant in one model (i.e. unadjusted *or* Age-Sex), cells in yellow are significant in both models, and cells highlighted in gray are of a similar magnitude/trend to those significant in the other model.

| | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FA 1 - ELC 1 | | FA 1 - ELC 1 | | FA 1 - GM1 | | FA 1 - GM1 | | FA 1 - FM1 | | FA 1 - FM1 | | FA 1 - EL 1 | | FA 1 - EL1 | | FA 1 - RL 1 | | FA 1 - RL1 | | FA 1 - VR 1 | | FA 1 - VR1 | |
| Tract | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* |
| ARC_FP_L | 0.08 | 0.46 | 0.04 | 0.87 | 0.10 | 0.13 | 0.18 | 0.0115+ | 0.13 | 0.08 | 0.19 | 0.0053++ | 0.10 | 0.24 | 0.15 | 0.07 | 0.06 | 0.83 | 0.13 | 0.16 | 0.08 | 0.53 | 0.16 | 0.05 |
| ARC_FP_R | 0.07 | 0.57 | 0.05 | 0.87 | 0.11 | 0.10 | 0.16 | 0.0187+ | 0.09 | 0.18 | 0.13 | 0.06 | 0.11 | 0.24 | 0.14 | 0.09 | -0.04 | 0.83 | 0.01 | 0.93 | 0.00 | 0.99 | 0.05 | 0.66 |
| ARC_FT_L | 0.02 | 0.87 | 0.00 | 0.95 | 0.11 | 0.11 | 0.14 | 0.0333+ | 0.10 | 0.17 | 0.13 | 0.05 | 0.03 | 0.74 | 0.06 | 0.49 | -0.01 | 0.98 | 0.03 | 0.88 | 0.02 | 0.94 | 0.06 | 0.66 |
| ARC_FT_R | 0.12 | 0.20 | 0.07 | 0.74 | 0.13 | 0.07 | 0.19 | 0.0112+ | 0.12 | 0.10 | 0.19 | 0.0055++ | 0.08 | 0.36 | 0.13 | 0.11 | 0.04 | 0.83 | 0.10 | 0.28 | 0.11 | 0.39 | 0.17 | 0.05 |
| ARC_TP_L | 0.17 | 0.0437+ | 0.13 | 0.17 | 0.15 | 0.0430+ | 0.22 | 0.0031++ | 0.17 | 0.0175+ | 0.22 | 0.0015++ | 0.14 | 0.24 | 0.18 | 0.0333+ | 0.10 | 0.50 | 0.16 | 0.07 | 0.12 | 0.31 | 0.19 | 0.0272+ |
| ARC_TP_R | 0.13 | 0.12 | 0.11 | 0.33 | 0.17 | 0.0347+ | 0.22 | 0.0031++ | 0.18 | 0.0121+ | 0.22 | 0.0017++ | 0.08 | 0.36 | 0.11 | 0.13 | 0.06 | 0.83 | 0.10 | 0.27 | 0.13 | 0.31 | 0.17 | 0.05 |
| CF_M_L | 0.17 | 0.0393+ | 0.16 | 0.08 | 0.17 | 0.0347+ | 0.18 | 0.0112+ | 0.14 | 0.06 | 0.15 | 0.0231+ | 0.12 | 0.24 | 0.13 | 0.11 | 0.15 | 0.26 | 0.16 | 0.07 | 0.11 | 0.35 | 0.13 | 0.14 |
| CF_M_R | 0.10 | 0.31 | 0.08 | 0.61 | 0.17 | 0.0347+ | 0.18 | 0.0112+ | 0.12 | 0.09 | 0.15 | 0.0317+ | 0.11 | 0.24 | 0.12 | 0.11 | 0.11 | 0.50 | 0.12 | 0.17 | 0.01 | 0.94 | 0.03 | 0.88 |
| Cing_L | 0.01 | 0.93 | -0.02 | 0.93 | 0.14 | 0.05 | 0.16 | 0.0187+ | 0.04 | 0.52 | 0.09 | 0.19 | 0.01 | 0.93 | 0.03 | 0.68 | -0.04 | 0.83 | -0.01 | 0.96 | -0.01 | 0.94 | 0.02 | 0.91 |
| Cing_R | 0.05 | 0.71 | 0.03 | 0.91 | 0.10 | 0.13 | 0.12 | 0.07 | 0.07 | 0.31 | 0.10 | 0.12 | 0.04 | 0.68 | 0.06 | 0.50 | 0.03 | 0.89 | 0.04 | 0.70 | 0.00 | 1.00 | 0.02 | 0.91 |
| CT_M_L | 0.20 | 0.0172+ | 0.19 | 0.0401+ | 0.14 | 0.0461+ | 0.16 | 0.0187+ | 0.11 | 0.12 | 0.12 | 0.07 | 0.10 | 0.25 | 0.11 | 0.13 | 0.15 | 0.26 | 0.16 | 0.07 | 0.15 | 0.31 | 0.16 | 0.05 |
| CT_M_R | 0.02 | 0.88 | 0.02 | 0.94 | 0.16 | 0.0420+ | 0.15 | 0.0238+ | 0.04 | 0.52 | 0.04 | 0.51 | 0.02 | 0.90 | 0.02 | 0.80 | 0.00 | 0.98 | 0.00 | 0.96 | -0.03 | 0.94 | -0.03 | 0.90 |
| CT_Par_L | 0.16 | 0.0437+ | 0.13 | 0.17 | 0.12 | 0.08 | 0.16 | 0.0187+ | 0.18 | 0.0121+ | 0.22 | 0.0014++ | 0.12 | 0.24 | 0.15 | 0.07 | 0.07 | 0.83 | 0.11 | 0.23 | 0.08 | 0.56 | 0.12 | 0.15 |
| CT_Par_R | 0.04 | 0.77 | 0.03 | 0.91 | 0.09 | 0.16 | 0.11 | 0.10 | 0.09 | 0.19 | 0.10 | 0.12 | 0.09 | 0.34 | 0.10 | 0.22 | 0.05 | 0.83 | 0.07 | 0.46 | -0.02 | 0.94 | 0.00 | 0.98 |
| CT_PFC_L | -0.04 | 0.77 | -0.05 | 0.87 | 0.15 | 0.0430+ | 0.16 | 0.0187+ | 0.10 | 0.17 | 0.12 | 0.08 | 0.02 | 0.85 | 0.03 | 0.64 | -0.04 | 0.83 | -0.02 | 0.92 | -0.06 | 0.77 | -0.04 | 0.77 |
| CT_PFC_R | 0.03 | 0.77 | 0.01 | 0.95 | 0.07 | 0.31 | 0.10 | 0.11 | 0.16 | 0.0287+ | 0.19 | 0.0053++ | 0.01 | 0.90 | 0.04 | 0.59 | 0.04 | 0.83 | 0.07 | 0.46 | 0.02 | 0.94 | 0.06 | 0.66 |
| CT_PM_L | 0.18 | 0.0386+ | 0.17 | 0.07 | 0.15 | 0.0430+ | 0.16 | 0.0187+ | 0.18 | 0.0131+ | 0.19 | 0.0053++ | 0.10 | 0.24 | 0.11 | 0.13 | 0.11 | 0.50 | 0.12 | 0.16 | 0.09 | 0.47 | 0.11 | 0.21 |
| CT_PM_R | 0.04 | 0.76 | 0.04 | 0.87 | 0.13 | 0.07 | 0.12 | 0.06 | 0.09 | 0.20 | 0.08 | 0.20 | 0.04 | 0.68 | 0.04 | 0.59 | 0.00 | 0.98 | 0.00 | 0.96 | -0.02 | 0.94 | -0.02 | 0.91 |
| IFOF_L | 0.08 | 0.46 | 0.06 | 0.84 | 0.13 | 0.07 | 0.18 | 0.0112+ | 0.21 | 0.0057++ | 0.24 | 0.0008+++ | 0.09 | 0.28 | 0.13 | 0.11 | 0.02 | 0.94 | 0.07 | 0.46 | 0.05 | 0.83 | 0.10 | 0.21 |
| IFOF_R | 0.08 | 0.47 | 0.05 | 0.87 | 0.20 | 0.0281+ | 0.26 | 0.0008+++ | 0.22 | 0.0025++ | 0.27 | 0.0001+++ | 0.12 | 0.24 | 0.17 | 0.05 | 0.03 | 0.83 | 0.10 | 0.27 | 0.05 | 0.83 | 0.12 | 0.15 |
| ILF_L | 0.13 | 0.12 | 0.10 | 0.34 | 0.15 | 0.0430+ | 0.21 | 0.0037++ | 0.23 | 0.0025++ | 0.27 | 0.0001+++ | 0.11 | 0.24 | 0.15 | 0.08 | 0.08 | 0.71 | 0.14 | 0.16 | 0.14 | 0.31 | 0.20 | 0.0272+ |
| ILF_R | 0.15 | 0.09 | 0.11 | 0.33 | 0.16 | 0.0386+ | 0.23 | 0.0017++ | 0.24 | 0.0020++ | 0.29 | <.0001+++ | 0.20 | 0.06 | 0.24 | 0.0036++ | 0.07 | 0.83 | 0.13 | 0.16 | 0.13 | 0.31 | 0.20 | 0.0272+ |
| SLF_L | 0.03 | 0.83 | 0.00 | 0.95 | 0.08 | 0.24 | 0.14 | 0.0375+ | 0.12 | 0.10 | 0.17 | 0.0102+ | 0.05 | 0.68 | 0.09 | 0.23 | 0.00 | 0.98 | 0.05 | 0.60 | 0.03 | 0.94 | 0.09 | 0.28 |
| SLF_R | -0.02 | 0.88 | -0.03 | 0.91 | 0.04 | 0.50 | 0.07 | 0.30 | 0.06 | 0.35 | 0.08 | 0.20 | 0.03 | 0.79 | 0.04 | 0.59 | -0.04 | 0.83 | -0.02 | 0.93 | -0.03 | 0.94 | 0.00 | 0.99 |
| UNC_L | 0.01 | 0.89 | 0.01 | 0.95 | 0.15 | 0.0430+ | 0.15 | 0.0198+ | 0.14 | 0.06 | 0.15 | 0.0310+ | 0.05 | 0.68 | 0.06 | 0.50 | 0.00 | 0.98 | 0.01 | 0.93 | -0.02 | 0.94 | 0.00 | 0.98 |
| UNC_R | 0.05 | 0.67 | 0.04 | 0.91 | 0.17 | 0.0347+ | 0.21 | 0.0031++ | 0.19 | 0.0121+ | 0.21 | 0.0017++ | 0.04 | 0.68 | 0.08 | 0.32 | 0.08 | 0.71 | 0.12 | 0.16 | -0.01 | 0.94 | 0.04 | 0.77 |
| Genu | 0.06 | 0.66 | 0.03 | 0.91 | 0.09 | 0.20 | 0.12 | 0.07 | 0.19 | 0.0121+ | 0.24 | 0.0013++ | 0.11 | 0.24 | 0.13 | 0.11 | 0.04 | 0.83 | 0.07 | 0.46 | -0.03 | 0.94 | 0.01 | 0.92 |
| Rost | 0.00 | 0.95 | -0.02 | 0.93 | 0.13 | 0.07 | 0.17 | 0.0170+ | 0.15 | 0.0317+ | 0.19 | 0.0053++ | 0.01 | 0.93 | 0.04 | 0.59 | -0.01 | 0.98 | 0.03 | 0.84 | -0.03 | 0.94 | 0.02 | 0.91 |
| Splen | 0.23 | 0.0084++ | 0.19 | 0.0401+ | 0.19 | 0.0281+ | 0.24 | 0.0017++ | 0.25 | 0.0017++ | 0.30 | <.0001+++ | 0.17 | 0.08 | 0.21 | 0.0136+ | 0.13 | 0.44 | 0.17 | 0.07 | 0.10 | 0.39 | 0.15 | 0.05 |

*Table 6.4.a: Comparison between Age-Sex Corrected and Unadjusted Correlations –AD at age 1 and MSEL Scores at age 2*

Tables display Pearson's correlations by each tract with FDR-corrected p-values. Age-Sex models are corrected for age at 1-year MRI and age at 2-year MSEL testing. Cells highlighted in yellow are significant in one model (i.e. unadjusted *or* Age-Sex), cells in yellow are significant in both models, and cells highlighted in gray are of a similar magnitude/trend to those significant in the other model.

| | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | AD 1 - ELC 2 | | AD 1 - ELC 2 | | AD 1 - GM 2 | | AD 1 - GM2 | | AD 1 - FM 2 | | AD 1 - FM2 | | AD 1 - EL 2 | | AD 1 - EL2 | | AD 1 - RL 2 | | AD 1 - RL2 | | AD 1 - VR 2 | | AD 1 - VR2 | |
| Tract | *Pearson's* | *fdr Pval* | *Pearson's* | *fdr Pval* | *Pearson's* | *fdr Pval* | *Pearson's* | *fdr Pval* | *Pearson's* | *fdr Pval* | *Pearson's* | *fdr Pval* | *Pearson's* | *fdr Pval* | *Pearson's* | *fdr Pval* | *Pearson's* | *fdr Pval* | *Pearson's* | *fdr Pval* | *Pearson's* | *fdr Pval* | *Pearson's* | *fdr Pval* |
| ARC_FP_ | 0.04 | 0.94 | 0.03 | 0.97 | 0.03 | 0.80 | 0.04 | 0.81 | -0.02 | 0.81 | -0.02 | 0.86 | 0.05 | 0.94 | 0.05 | 0.97 | 0.04 | 0.96 | 0.04 | 0.94 | 0.02 | 0.89 | 0.02 | 0.84 |
| ARC_FP_ | -0.06 | 0.94 | -0.05 | 0.97 | -0.04 | 0.79 | -0.05 | 0.75 | -0.08 | 0.58 | -0.09 | 0.49 | -0.02 | 0.94 | -0.03 | 0.97 | -0.03 | 0.96 | -0.03 | 0.94 | -0.05 | 0.89 | -0.06 | 0.84 |
| ARC_FT_ | -0.04 | 0.94 | -0.06 | 0.97 | 0.06 | 0.76 | 0.05 | 0.75 | -0.12 | 0.45 | -0.14 | 0.37 | -0.01 | 0.94 | -0.04 | 0.97 | -0.02 | 0.96 | -0.02 | 0.94 | -0.05 | 0.89 | -0.07 | 0.84 |
| ARC_FT_ | 0.00 | 0.99 | -0.01 | 0.97 | 0.03 | 0.86 | 0.01 | 0.94 | -0.03 | 0.81 | -0.05 | 0.70 | 0.02 | 0.94 | 0.01 | 0.97 | 0.05 | 0.96 | 0.05 | 0.94 | -0.03 | 0.89 | -0.04 | 0.84 |
| ARC_TP_ | -0.09 | 0.94 | -0.09 | 0.96 | 0.07 | 0.69 | 0.06 | 0.75 | -0.11 | 0.45 | -0.11 | 0.39 | -0.04 | 0.94 | -0.04 | 0.97 | -0.12 | 0.96 | -0.12 | 0.86 | -0.10 | 0.89 | -0.10 | 0.84 |
| ARC_TP_ | -0.01 | 0.96 | 0.01 | 0.97 | 0.15 | 0.32 | 0.12 | 0.52 | 0.06 | 0.67 | 0.06 | 0.68 | 0.00 | 0.99 | -0.01 | 0.97 | 0.01 | 0.97 | 0.02 | 0.94 | -0.06 | 0.89 | -0.06 | 0.84 |
| CF_M_L | -0.07 | 0.94 | -0.10 | 0.96 | 0.14 | 0.34 | 0.13 | 0.45 | -0.03 | 0.81 | -0.04 | 0.73 | -0.13 | 0.94 | -0.12 | 0.96 | -0.01 | 0.96 | -0.01 | 0.94 | -0.06 | 0.89 | -0.07 | 0.84 |
| CF_M_R | 0.01 | 0.96 | -0.02 | 0.97 | 0.11 | 0.50 | 0.11 | 0.52 | 0.03 | 0.81 | 0.01 | 0.93 | -0.04 | 0.94 | -0.04 | 0.97 | 0.05 | 0.96 | 0.06 | 0.94 | 0.00 | 0.99 | -0.02 | 0.84 |
| Cing_L | -0.11 | 0.94 | -0.15 | 0.62 | 0.04 | 0.80 | 0.05 | 0.75 | -0.12 | 0.45 | -0.15 | 0.37 | -0.09 | 0.94 | -0.12 | 0.96 | -0.08 | 0.96 | -0.10 | 0.92 | -0.06 | 0.89 | -0.07 | 0.84 |
| Cing_R | -0.20 | 0.14 | -0.21 | 0.09 | 0.02 | 0.86 | 0.03 | 0.83 | -0.19 | 0.20 | -0.20 | 0.12 | -0.12 | 0.94 | -0.15 | 0.96 | -0.16 | 0.91 | -0.15 | 0.86 | -0.17 | 0.49 | -0.17 | 0.42 |
| CT_M_L | -0.07 | 0.94 | -0.09 | 0.96 | 0.08 | 0.69 | 0.07 | 0.73 | -0.06 | 0.67 | -0.07 | 0.61 | -0.11 | 0.94 | -0.10 | 0.97 | -0.02 | 0.96 | -0.01 | 0.94 | -0.03 | 0.89 | -0.04 | 0.84 |
| CT_M_R | 0.07 | 0.94 | 0.04 | 0.97 | 0.08 | 0.69 | 0.08 | 0.73 | 0.02 | 0.81 | 0.02 | 0.86 | 0.01 | 0.94 | 0.02 | 0.97 | 0.12 | 0.96 | 0.13 | 0.86 | 0.09 | 0.89 | 0.07 | 0.84 |
| CT_Par_L | -0.09 | 0.94 | -0.08 | 0.97 | 0.06 | 0.69 | 0.04 | 0.75 | -0.12 | 0.45 | -0.13 | 0.37 | -0.09 | 0.94 | -0.08 | 0.97 | -0.05 | 0.96 | -0.03 | 0.94 | -0.06 | 0.89 | -0.07 | 0.84 |
| CT_Par_R | 0.05 | 0.94 | 0.02 | 0.97 | 0.02 | 0.86 | 0.01 | 0.92 | -0.05 | 0.68 | -0.06 | 0.61 | 0.05 | 0.94 | 0.05 | 0.97 | 0.07 | 0.96 | 0.08 | 0.94 | 0.05 | 0.89 | 0.04 | 0.84 |
| CT_PFC_ | -0.03 | 0.94 | -0.04 | 0.97 | 0.05 | 0.79 | 0.03 | 0.81 | -0.06 | 0.67 | -0.07 | 0.61 | 0.02 | 0.94 | 0.03 | 0.97 | -0.05 | 0.96 | -0.04 | 0.94 | -0.02 | 0.90 | -0.04 | 0.84 |
| CT_PFC_ | -0.03 | 0.94 | -0.03 | 0.97 | 0.06 | 0.69 | 0.05 | 0.75 | -0.05 | 0.67 | -0.05 | 0.68 | 0.00 | 0.99 | 0.01 | 0.97 | 0.00 | 0.97 | 0.01 | 0.94 | -0.04 | 0.89 | -0.04 | 0.84 |
| CT_PM_L | -0.02 | 0.94 | -0.04 | 0.97 | 0.15 | 0.32 | 0.14 | 0.45 | -0.05 | 0.67 | -0.07 | 0.61 | -0.05 | 0.94 | -0.05 | 0.97 | 0.06 | 0.96 | 0.06 | 0.94 | -0.03 | 0.89 | -0.05 | 0.84 |
| CT_PM_R | 0.04 | 0.94 | 0.00 | 0.98 | 0.04 | 0.79 | 0.04 | 0.75 | -0.02 | 0.82 | -0.02 | 0.85 | -0.02 | 0.94 | 0.00 | 0.97 | 0.10 | 0.96 | 0.11 | 0.86 | 0.06 | 0.89 | 0.04 | 0.84 |
| IFOF_L | 0.00 | 0.99 | -0.01 | 0.97 | 0.10 | 0.62 | 0.09 | 0.73 | -0.10 | 0.52 | -0.12 | 0.37 | 0.06 | 0.94 | 0.03 | 0.97 | 0.02 | 0.96 | 0.00 | 0.97 | 0.00 | 0.99 | -0.02 | 0.85 |
| IFOF_R | -0.09 | 0.94 | -0.11 | 0.96 | 0.07 | 0.69 | 0.08 | 0.73 | -0.16 | 0.45 | -0.16 | 0.31 | -0.03 | 0.94 | -0.05 | 0.97 | -0.03 | 0.96 | -0.03 | 0.94 | -0.09 | 0.89 | -0.10 | 0.84 |
| ILF_L | 0.04 | 0.94 | 0.01 | 0.97 | 0.12 | 0.50 | 0.11 | 0.52 | -0.07 | 0.67 | -0.10 | 0.44 | 0.05 | 0.94 | 0.01 | 0.97 | 0.03 | 0.96 | 0.01 | 0.94 | 0.05 | 0.89 | 0.03 | 0.84 |
| ILF_R | -0.04 | 0.94 | -0.07 | 0.97 | 0.08 | 0.69 | 0.09 | 0.73 | -0.11 | 0.45 | -0.12 | 0.37 | -0.04 | 0.94 | -0.06 | 0.97 | 0.02 | 0.96 | 0.02 | 0.94 | -0.05 | 0.89 | -0.06 | 0.84 |
| SLF_L | -0.06 | 0.94 | -0.07 | 0.97 | 0.02 | 0.86 | 0.02 | 0.88 | -0.09 | 0.58 | -0.10 | 0.44 | -0.02 | 0.94 | -0.03 | 0.97 | -0.06 | 0.96 | -0.06 | 0.94 | -0.06 | 0.89 | -0.07 | 0.84 |
| SLF_R | 0.00 | 0.99 | 0.02 | 0.97 | 0.02 | 0.86 | 0.00 | 0.96 | -0.06 | 0.67 | -0.05 | 0.68 | 0.02 | 0.94 | 0.02 | 0.97 | 0.04 | 0.96 | 0.06 | 0.94 | 0.00 | 0.99 | 0.01 | 0.93 |
| UNC_L | -0.02 | 0.96 | -0.02 | 0.97 | 0.15 | 0.32 | 0.14 | 0.45 | -0.05 | 0.67 | -0.07 | 0.61 | 0.02 | 0.94 | 0.01 | 0.97 | 0.01 | 0.96 | 0.01 | 0.94 | -0.02 | 0.91 | -0.03 | 0.84 |
| UNC_R | -0.04 | 0.94 | -0.03 | 0.97 | 0.15 | 0.32 | 0.14 | 0.45 | -0.11 | 0.45 | -0.10 | 0.44 | 0.03 | 0.94 | 0.05 | 0.97 | 0.01 | 0.97 | 0.01 | 0.94 | -0.04 | 0.89 | -0.03 | 0.84 |
| Genu | 0.03 | 0.94 | 0.02 | 0.97 | 0.09 | 0.69 | 0.06 | 0.75 | -0.03 | 0.81 | -0.03 | 0.79 | 0.03 | 0.94 | 0.04 | 0.97 | 0.04 | 0.96 | 0.05 | 0.94 | 0.05 | 0.89 | 0.03 | 0.84 |
| Rost | -0.13 | 0.94 | -0.10 | 0.96 | -0.01 | 0.94 | -0.05 | 0.75 | -0.12 | 0.45 | -0.12 | 0.37 | -0.09 | 0.94 | -0.07 | 0.97 | -0.10 | 0.96 | -0.08 | 0.94 | -0.09 | 0.89 | -0.10 | 0.84 |
| Splen | 0.05 | 0.94 | 0.04 | 0.97 | 0.04 | 0.79 | 0.02 | 0.88 | 0.02 | 0.81 | -0.01 | 0.94 | 0.04 | 0.94 | 0.01 | 0.97 | 0.02 | 0.96 | 0.02 | 0.94 | 0.04 | 0.89 | 0.02 | 0.84 |

*Table 6.4.b: Comparison between Age-Sex Corrected and Unadjusted Correlations –RD at age 1 and MSEL Scores at age 2*

Tables display Pearson's correlations by each tract with FDR-corrected p-values. Age-Sex models are corrected for age at 1-year MRI and age at 2-year MSEL testing. Cells highlighted in yellow are significant in one model (i.e. unadjusted *or* Age-Sex), cells in yellow are significant in both models, and cells highlighted in gray are of a similar magnitude/trend to those significant in the other model.

| | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | RD 1 - ELC 2 | | RD 1 - ELC 2 | | RD 1 - GM 2 | | RD 1 - GM2 | | RD 1 - FM 2 | | RD 1 - FM2 | | RD 1 - EL 2 | | RD 1 - EL2 | | RD 1 - RL 2 | | RD 1 - RL2 | | RD 1 - VR 2 | | RD 1 - VR2 | |
| Tract | *Pearson's* | *fdr Pval* | *Pearson's* | *fdr Pval* | *Pearson's* | *fdr Pval* | *Pearson's* | *fdr Pval* | *Pearson's* | *fdr Pval* | *Pearson's* | *fdr Pval* | *Pearson's* | *fdr Pval* | *Pearson's* | *fdr Pval* | *Pearson's* | *fdr Pval* | *Pearson's* | *fdr Pval* | *Pearson's* | *fdr Pval* | *Pearson's* | *fdr Pval* |
| ARC_FP_ | -0.04 | 0.91 | -0.05 | 0.88 | 0.09 | 0.68 | 0.09 | 0.83 | -0.12 | 0.32 | -0.11 | 0.29 | -0.04 | 0.99 | -0.03 | 0.98 | 0.00 | 0.96 | 0.01 | 0.97 | -0.04 | 0.96 | -0.04 | 0.97 |
| ARC_FP_ | 0.01 | 0.91 | 0.03 | 0.88 | 0.09 | 0.68 | 0.08 | 0.83 | -0.06 | 0.43 | -0.05 | 0.51 | 0.02 | 0.99 | 0.03 | 0.98 | 0.04 | 0.96 | 0.07 | 0.97 | 0.00 | 1.00 | 0.01 | 0.97 |
| ARC_FT_ | 0.02 | 0.91 | 0.01 | 0.93 | 0.10 | 0.68 | 0.10 | 0.83 | -0.08 | 0.36 | -0.08 | 0.38 | 0.02 | 0.99 | 0.03 | 0.98 | 0.06 | 0.96 | 0.07 | 0.97 | 0.01 | 1.00 | 0.00 | 0.97 |
| ARC_FT_ | -0.05 | 0.91 | -0.03 | 0.88 | 0.08 | 0.68 | 0.04 | 0.84 | -0.10 | 0.33 | -0.09 | 0.36 | 0.01 | 0.99 | 0.03 | 0.98 | -0.01 | 0.96 | 0.02 | 0.97 | -0.07 | 0.96 | -0.07 | 0.97 |
| ARC_TP_ | -0.04 | 0.91 | -0.03 | 0.88 | 0.07 | 0.68 | 0.05 | 0.84 | -0.10 | 0.33 | -0.10 | 0.34 | -0.02 | 0.99 | -0.02 | 0.98 | -0.03 | 0.96 | -0.02 | 0.97 | -0.03 | 0.96 | -0.03 | 0.97 |
| ARC_TP_ | -0.08 | 0.91 | -0.07 | 0.83 | 0.01 | 0.89 | -0.01 | 0.95 | -0.13 | 0.25 | -0.13 | 0.25 | -0.06 | 0.99 | -0.06 | 0.98 | -0.05 | 0.96 | -0.03 | 0.97 | -0.05 | 0.96 | -0.06 | 0.97 |
| CF_M_L | -0.12 | 0.91 | -0.12 | 0.83 | 0.07 | 0.68 | 0.07 | 0.83 | -0.13 | 0.24 | -0.12 | 0.29 | -0.11 | 0.99 | -0.09 | 0.98 | -0.08 | 0.96 | -0.06 | 0.97 | -0.09 | 0.96 | -0.08 | 0.97 |
| CF_M_R | -0.14 | 0.91 | -0.15 | 0.83 | 0.04 | 0.87 | 0.05 | 0.84 | -0.16 | 0.24 | -0.14 | 0.25 | -0.14 | 0.99 | -0.10 | 0.98 | -0.10 | 0.96 | -0.07 | 0.97 | -0.11 | 0.96 | -0.11 | 0.97 |
| Cing_L | 0.01 | 0.95 | 0.02 | 0.88 | 0.05 | 0.87 | 0.04 | 0.84 | -0.07 | 0.40 | -0.05 | 0.53 | -0.01 | 0.99 | 0.02 | 0.98 | 0.05 | 0.96 | 0.07 | 0.97 | 0.03 | 0.96 | 0.04 | 0.97 |
| Cing_R | 0.12 | 0.91 | 0.12 | 0.83 | 0.11 | 0.68 | 0.10 | 0.83 | 0.01 | 0.87 | 0.02 | 0.76 | 0.11 | 0.99 | 0.14 | 0.98 | 0.15 | 0.96 | 0.16 | 0.68 | 0.11 | 0.96 | 0.10 | 0.97 |
| CT_M_L | -0.10 | 0.91 | -0.11 | 0.83 | 0.03 | 0.87 | 0.03 | 0.84 | -0.13 | 0.24 | -0.13 | 0.25 | -0.08 | 0.99 | -0.06 | 0.98 | -0.05 | 0.96 | -0.04 | 0.97 | -0.07 | 0.96 | -0.07 | 0.97 |
| CT_M_R | -0.05 | 0.91 | -0.09 | 0.83 | -0.02 | 0.89 | 0.01 | 0.95 | -0.09 | 0.34 | -0.08 | 0.36 | -0.07 | 0.99 | -0.05 | 0.98 | -0.01 | 0.96 | 0.00 | 0.97 | 0.00 | 1.00 | -0.01 | 0.97 |
| CT_Par_L | -0.08 | 0.91 | -0.06 | 0.83 | 0.07 | 0.68 | 0.05 | 0.84 | -0.11 | 0.33 | -0.10 | 0.34 | -0.04 | 0.99 | -0.03 | 0.98 | -0.04 | 0.96 | -0.02 | 0.97 | -0.07 | 0.96 | -0.07 | 0.97 |
| CT_Par_R | 0.00 | 0.95 | -0.01 | 0.93 | 0.07 | 0.68 | 0.06 | 0.84 | -0.08 | 0.35 | -0.09 | 0.36 | 0.01 | 0.99 | 0.01 | 0.98 | 0.04 | 0.96 | 0.05 | 0.97 | 0.01 | 1.00 | 0.00 | 0.97 |
| CT_PFC_ | -0.02 | 0.91 | -0.03 | 0.88 | 0.01 | 0.89 | 0.00 | 0.95 | -0.06 | 0.43 | -0.07 | 0.42 | 0.01 | 0.99 | 0.02 | 0.98 | -0.03 | 0.96 | -0.02 | 0.97 | 0.01 | 1.00 | -0.01 | 0.97 |
| CT_PFC_ | -0.06 | 0.91 | -0.06 | 0.83 | 0.05 | 0.87 | 0.03 | 0.84 | -0.14 | 0.24 | -0.13 | 0.25 | -0.02 | 0.99 | 0.00 | 0.98 | -0.02 | 0.96 | 0.00 | 0.97 | -0.05 | 0.96 | -0.06 | 0.97 |
| CT_PM_L | -0.05 | 0.91 | -0.06 | 0.83 | 0.16 | 0.68 | 0.16 | 0.78 | -0.10 | 0.33 | -0.10 | 0.34 | -0.02 | 0.99 | 0.00 | 0.98 | 0.01 | 0.96 | 0.03 | 0.97 | -0.05 | 0.96 | -0.06 | 0.97 |
| CT_PM_R | -0.03 | 0.91 | -0.06 | 0.83 | 0.01 | 0.89 | 0.03 | 0.84 | -0.10 | 0.33 | -0.09 | 0.34 | -0.04 | 0.99 | -0.03 | 0.98 | 0.02 | 0.96 | 0.03 | 0.97 | 0.00 | 1.00 | -0.01 | 0.97 |
| IFOF_L | 0.03 | 0.91 | 0.00 | 0.96 | 0.03 | 0.87 | 0.03 | 0.84 | -0.11 | 0.33 | -0.13 | 0.25 | 0.05 | 0.99 | 0.04 | 0.98 | 0.07 | 0.96 | 0.07 | 0.97 | 0.03 | 0.96 | 0.01 | 0.97 |
| IFOF_R | -0.02 | 0.91 | -0.05 | 0.88 | 0.03 | 0.87 | 0.03 | 0.84 | -0.15 | 0.24 | -0.16 | 0.25 | 0.00 | 0.99 | 0.00 | 0.98 | 0.04 | 0.96 | 0.06 | 0.97 | -0.04 | 0.96 | -0.05 | 0.97 |
| ILF_L | 0.04 | 0.91 | 0.01 | 0.93 | 0.03 | 0.87 | 0.02 | 0.85 | -0.09 | 0.34 | -0.11 | 0.29 | 0.10 | 0.99 | 0.08 | 0.98 | 0.03 | 0.96 | 0.03 | 0.97 | 0.04 | 0.96 | 0.02 | 0.97 |
| ILF_R | -0.05 | 0.91 | -0.07 | 0.83 | 0.04 | 0.87 | 0.03 | 0.84 | -0.15 | 0.24 | -0.15 | 0.25 | -0.02 | 0.99 | -0.02 | 0.98 | -0.01 | 0.96 | 0.00 | 0.97 | -0.08 | 0.96 | -0.09 | 0.97 |
| SLF_L | -0.06 | 0.91 | -0.06 | 0.83 | 0.09 | 0.68 | 0.08 | 0.83 | -0.09 | 0.34 | -0.09 | 0.36 | -0.06 | 0.99 | -0.05 | 0.98 | -0.05 | 0.96 | -0.04 | 0.97 | -0.06 | 0.96 | -0.07 | 0.97 |
| SLF_R | -0.04 | 0.91 | -0.03 | 0.88 | 0.11 | 0.68 | 0.10 | 0.83 | -0.09 | 0.34 | -0.08 | 0.36 | 0.00 | 0.99 | 0.01 | 0.98 | -0.01 | 0.96 | 0.01 | 0.97 | -0.03 | 0.96 | -0.03 | 0.97 |
| UNC_L | -0.06 | 0.91 | -0.09 | 0.83 | 0.07 | 0.68 | 0.08 | 0.83 | -0.16 | 0.24 | -0.17 | 0.25 | -0.03 | 0.99 | -0.02 | 0.98 | 0.02 | 0.96 | 0.02 | 0.97 | -0.07 | 0.96 | -0.08 | 0.97 |
| UNC_R | -0.03 | 0.91 | -0.04 | 0.88 | 0.03 | 0.87 | 0.03 | 0.84 | -0.15 | 0.24 | -0.15 | 0.25 | -0.02 | 0.99 | -0.01 | 0.98 | 0.03 | 0.96 | 0.04 | 0.97 | -0.02 | 0.96 | -0.03 | 0.97 |
| Genu | 0.08 | 0.91 | 0.07 | 0.83 | -0.01 | 0.89 | -0.02 | 0.85 | -0.05 | 0.52 | -0.03 | 0.67 | 0.05 | 0.99 | 0.07 | 0.98 | 0.07 | 0.96 | 0.09 | 0.97 | 0.13 | 0.96 | 0.12 | 0.97 |
| Rost | 0.03 | 0.91 | 0.04 | 0.88 | -0.10 | 0.68 | -0.13 | 0.83 | -0.07 | 0.40 | -0.07 | 0.42 | 0.02 | 0.99 | 0.04 | 0.98 | 0.05 | 0.96 | 0.07 | 0.97 | 0.06 | 0.96 | 0.05 | 0.97 |
| Splen | 0.02 | 0.91 | 0.02 | 0.88 | 0.11 | 0.68 | 0.10 | 0.83 | -0.07 | 0.40 | -0.07 | 0.42 | -0.01 | 0.99 | 0.00 | 0.98 | 0.02 | 0.96 | 0.03 | 0.97 | 0.02 | 0.96 | 0.02 | 0.97 |

*Table 6.4.c: Comparison between Age-Sex Corrected and Unadjusted Correlations –FA at age 1 and MSEL Scores at age 2*

Tables display Pearson's correlations by each tract with FDR-corrected p-values. Age-Sex models are corrected for age at 1-year MRI and age at 2-year MSEL testing. Cells highlighted in yellow are significant in one model (i.e. unadjusted *or* Age-Sex), cells in yellow are significant in both models, and cells highlighted in gray are of a similar magnitude/trend to those significant in the other model.

| | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FA 1 - ELC 2 | | FA 1 - ELC 2 | | FA 1 - GM 2 | | FA 1 - GM2 | | FA 1 - FM 2 | | FA 1 - FM2 | | FA 1 - EL 2 | | FA 1 - EL2 | | FA 1 - RL 2 | | FA 1 - RL2 | | FA 1 - VR 2 | | FA 1 - VR2 | |
| Tract | *Pearson's* | *fdr Pval* | *Pearson's* | *fdr Pval* | *Pearson's* | *fdr Pval* | *Pearson's* | *fdr Pval* | *Pearson's* | *fdr Pval* | *Pearson's* | *fdr Pval* | *Pearson's* | *fdr Pval* | *Pearson's* | *fdr Pval* | *Pearson's* | *fdr Pval* | *Pearson's* | *fdr Pval* | *Pearson's* | *fdr Pval* | *Pearson's* | *fdr Pval* |
| ARC_FP_ | 0.05 | 0.87 | 0.05 | 0.99 | -0.06 | 0.87 | -0.06 | 0.95 | 0.12 | 0.28 | 0.12 | 0.45 | 0.06 | 0.93 | 0.05 | 0.97 | -0.02 | 0.99 | -0.03 | 0.96 | 0.05 | 0.90 | 0.05 | 0.98 |
| ARC_FP_ | -0.09 | 0.80 | -0.08 | 0.88 | -0.11 | 0.74 | -0.11 | 0.83 | -0.01 | 0.93 | -0.01 | 0.88 | -0.07 | 0.93 | -0.07 | 0.97 | -0.12 | 0.66 | -0.13 | 0.49 | -0.06 | 0.90 | -0.06 | 0.98 |
| ARC_FT_ | -0.02 | 0.87 | -0.02 | 0.99 | -0.06 | 0.87 | -0.06 | 0.95 | 0.07 | 0.50 | 0.05 | 0.60 | -0.03 | 0.93 | -0.06 | 0.97 | -0.08 | 0.81 | -0.10 | 0.67 | -0.01 | 0.95 | -0.01 | 1.00 |
| ARC_FT_ | 0.06 | 0.87 | 0.02 | 0.99 | -0.05 | 0.87 | -0.03 | 0.98 | 0.13 | 0.28 | 0.10 | 0.46 | -0.01 | 0.93 | -0.04 | 0.97 | 0.00 | 0.99 | -0.03 | 0.96 | 0.07 | 0.90 | 0.05 | 0.98 |
| ARC_TP_ | -0.04 | 0.87 | -0.03 | 0.99 | -0.02 | 0.90 | -0.02 | 0.98 | 0.05 | 0.62 | 0.05 | 0.60 | -0.04 | 0.93 | -0.04 | 0.97 | -0.09 | 0.81 | -0.10 | 0.66 | -0.04 | 0.90 | -0.03 | 0.98 |
| ARC_TP_ | 0.11 | 0.80 | 0.12 | 0.53 | 0.13 | 0.74 | 0.13 | 0.80 | 0.23 | 0.0269+ | 0.23 | 0.0385+ | 0.07 | 0.93 | 0.07 | 0.97 | 0.07 | 0.91 | 0.06 | 0.92 | 0.04 | 0.90 | 0.05 | 0.98 |
| CF_M_L | 0.09 | 0.80 | 0.07 | 0.88 | -0.01 | 0.97 | -0.01 | 0.98 | 0.13 | 0.28 | 0.09 | 0.47 | 0.05 | 0.93 | 0.02 | 0.97 | 0.08 | 0.81 | 0.06 | 0.92 | 0.06 | 0.90 | 0.05 | 0.98 |
| CF_M_R | 0.19 | 0.10 | 0.18 | 0.16 | 0.01 | 0.94 | 0.00 | 0.98 | 0.22 | 0.0269+ | 0.19 | 0.12 | 0.15 | 0.61 | 0.10 | 0.97 | 0.15 | 0.42 | 0.12 | 0.49 | 0.15 | 0.28 | 0.14 | 0.38 |
| Cing_L | -0.08 | 0.80 | -0.12 | 0.53 | -0.02 | 0.90 | 0.00 | 0.98 | 0.00 | 1.00 | -0.04 | 0.63 | -0.07 | 0.93 | -0.12 | 0.97 | -0.11 | 0.66 | -0.14 | 0.47 | -0.07 | 0.90 | -0.09 | 0.98 |
| Cing_R | -0.25 | 0.0142+ | -0.24 | 0.0158+ | -0.09 | 0.74 | -0.07 | 0.95 | -0.15 | 0.28 | -0.16 | 0.23 | -0.18 | 0.37 | -0.22 | 0.06 | -0.24 | 0.0186+ | -0.25 | 0.0131+ | -0.22 | 0.06 | -0.21 | 0.08 |
| CT_M_L | 0.04 | 0.87 | 0.03 | 0.99 | -0.03 | 0.90 | -0.04 | 0.95 | 0.07 | 0.50 | 0.06 | 0.60 | -0.01 | 0.93 | -0.02 | 0.97 | 0.04 | 0.97 | 0.02 | 0.96 | 0.04 | 0.90 | 0.03 | 1.00 |
| CT_M_R | 0.09 | 0.80 | 0.11 | 0.53 | 0.03 | 0.90 | 0.01 | 0.98 | 0.12 | 0.28 | 0.11 | 0.45 | 0.07 | 0.93 | 0.06 | 0.97 | 0.05 | 0.97 | 0.05 | 0.92 | 0.06 | 0.90 | 0.06 | 0.98 |
| CT_Par_L | 0.04 | 0.87 | 0.03 | 0.99 | -0.02 | 0.90 | -0.02 | 0.98 | 0.07 | 0.50 | 0.05 | 0.60 | -0.04 | 0.93 | -0.07 | 0.97 | 0.03 | 0.98 | 0.01 | 0.98 | 0.06 | 0.90 | 0.05 | 0.98 |
| CT_Par_R | 0.06 | 0.87 | 0.05 | 0.99 | -0.09 | 0.74 | -0.09 | 0.83 | 0.10 | 0.42 | 0.09 | 0.47 | 0.02 | 0.93 | 0.02 | 0.97 | 0.01 | 0.99 | 0.00 | 0.98 | 0.06 | 0.90 | 0.05 | 0.98 |
| CT_PFC_ | -0.01 | 0.91 | -0.01 | 0.99 | 0.04 | 0.90 | 0.04 | 0.95 | 0.04 | 0.62 | 0.04 | 0.70 | -0.01 | 0.93 | -0.03 | 0.97 | -0.04 | 0.97 | -0.05 | 0.92 | -0.04 | 0.90 | -0.04 | 0.98 |
| CT_PFC_ | 0.02 | 0.87 | 0.01 | 0.99 | 0.00 | 0.98 | 0.01 | 0.98 | 0.12 | 0.30 | 0.10 | 0.46 | 0.01 | 0.93 | -0.01 | 0.97 | -0.04 | 0.97 | -0.05 | 0.92 | 0.01 | 0.95 | 0.01 | 1.00 |
| CT_PM_L | 0.06 | 0.87 | 0.05 | 0.99 | -0.10 | 0.74 | -0.10 | 0.83 | 0.08 | 0.50 | 0.06 | 0.60 | -0.01 | 0.93 | -0.03 | 0.97 | 0.04 | 0.97 | 0.03 | 0.96 | 0.05 | 0.90 | 0.04 | 0.98 |
| CT_PM_R | 0.05 | 0.87 | 0.05 | 0.99 | -0.02 | 0.90 | -0.03 | 0.95 | 0.10 | 0.37 | 0.09 | 0.47 | 0.02 | 0.93 | 0.01 | 0.97 | 0.01 | 0.99 | 0.01 | 0.98 | 0.03 | 0.90 | 0.03 | 1.00 |
| IFOF_L | -0.03 | 0.87 | 0.00 | 0.99 | 0.05 | 0.87 | 0.03 | 0.95 | 0.06 | 0.55 | 0.06 | 0.60 | -0.01 | 0.93 | -0.02 | 0.97 | -0.06 | 0.95 | -0.07 | 0.90 | -0.02 | 0.95 | -0.01 | 1.00 |
| IFOF_R | -0.03 | 0.87 | -0.02 | 0.99 | 0.03 | 0.90 | 0.03 | 0.95 | 0.08 | 0.50 | 0.08 | 0.55 | -0.02 | 0.93 | -0.03 | 0.97 | -0.08 | 0.87 | -0.09 | 0.68 | -0.02 | 0.95 | -0.01 | 1.00 |
| ILF_L | -0.02 | 0.87 | 0.00 | 0.99 | 0.06 | 0.87 | 0.06 | 0.95 | 0.06 | 0.55 | 0.06 | 0.60 | -0.07 | 0.93 | -0.08 | 0.97 | -0.03 | 0.98 | -0.04 | 0.93 | -0.02 | 0.95 | 0.00 | 1.00 |
| ILF_R | 0.06 | 0.87 | 0.06 | 0.97 | -0.02 | 0.90 | -0.01 | 0.98 | 0.12 | 0.30 | 0.12 | 0.45 | 0.02 | 0.93 | 0.01 | 0.97 | 0.02 | 0.98 | 0.01 | 0.98 | 0.08 | 0.90 | 0.08 | 0.98 |
| SLF_L | 0.00 | 0.99 | 0.00 | 0.99 | -0.06 | 0.87 | -0.05 | 0.95 | 0.06 | 0.55 | 0.05 | 0.60 | 0.02 | 0.93 | 0.00 | 0.99 | -0.04 | 0.97 | -0.06 | 0.92 | 0.00 | 0.95 | 0.00 | 1.00 |
| SLF_R | 0.03 | 0.87 | 0.04 | 0.99 | -0.13 | 0.74 | -0.12 | 0.80 | 0.05 | 0.60 | 0.05 | 0.60 | -0.01 | 0.93 | -0.02 | 0.97 | 0.01 | 0.99 | 0.00 | 0.98 | 0.03 | 0.90 | 0.04 | 0.98 |
| UNC_L | 0.06 | 0.87 | 0.08 | 0.87 | 0.06 | 0.87 | 0.04 | 0.95 | 0.16 | 0.28 | 0.14 | 0.32 | 0.04 | 0.93 | 0.02 | 0.97 | 0.00 | 0.99 | 0.00 | 0.98 | 0.06 | 0.90 | 0.06 | 0.98 |
| UNC_R | 0.00 | 0.99 | 0.02 | 0.99 | 0.09 | 0.74 | 0.08 | 0.87 | 0.09 | 0.45 | 0.09 | 0.47 | 0.03 | 0.93 | 0.02 | 0.97 | -0.03 | 0.98 | -0.04 | 0.93 | -0.01 | 0.95 | 0.00 | 1.00 |
| Genu | -0.11 | 0.80 | -0.11 | 0.53 | 0.08 | 0.81 | 0.08 | 0.87 | 0.04 | 0.71 | 0.01 | 0.88 | -0.06 | 0.93 | -0.09 | 0.97 | -0.11 | 0.79 | -0.12 | 0.49 | -0.16 | 0.28 | -0.16 | 0.37 |
| Rost | -0.14 | 0.56 | -0.14 | 0.53 | 0.14 | 0.74 | 0.15 | 0.80 | 0.02 | 0.89 | 0.01 | 0.88 | -0.10 | 0.93 | -0.12 | 0.97 | -0.15 | 0.42 | -0.16 | 0.43 | -0.15 | 0.28 | -0.15 | 0.37 |
| Splen | 0.03 | 0.87 | 0.01 | 0.99 | -0.10 | 0.74 | -0.09 | 0.83 | 0.14 | 0.28 | 0.11 | 0.46 | 0.05 | 0.93 | 0.01 | 0.97 | 0.00 | 0.99 | -0.02 | 0.96 | 0.01 | 0.95 | 0.00 | 1.00 |

*Table 6.5.a: Comparison between Age-Sex Corrected and Unadjusted Correlations –AD at age 2 and MSEL Scores at age 2*

Tables display Pearson's correlations by each tract with FDR-corrected p-values. Age-Sex models are corrected for age at 2-year visit. Cells highlighted in yellow are significant in one model (i.e. unadjusted *or* Age-Sex), cells in yellow are significant in both models, and cells highlighted in gray are of a similar magnitude/trend to those significant in the other model.

| | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | AD 2 - ELC 2 | | AD 2 - ELC 2 | | AD 2 - GM2 | | AD 2 - GM2 | | AD 2 - FM 2 | | AD 2 - FM2 | | AD 2 - EL 2 | | AD 2 - EL2 | | AD 2 - RL 2 | | AD 2 - RL2 | | AD 2 - VR 2 | | AD 2 - VR2 | |
| Tract | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* |
| ARC_FP_L | 0.18 | 0.47 | 0.17 | 0.48 | -0.05 | 0.98 | -0.05 | 0.89 | -0.05 | 0.77 | -0.06 | 0.71 | 0.21 | 0.17 | 0.19 | 0.26 | 0.23 | 0.07 | 0.21 | 0.13 | 0.13 | 0.47 | 0.12 | 0.47 |
| ARC_FP_R | 0.01 | 1.00 | -0.02 | 0.97 | -0.03 | 0.98 | -0.03 | 0.95 | -0.06 | 0.74 | -0.08 | 0.71 | 0.05 | 0.70 | 0.03 | 0.80 | 0.07 | 0.51 | 0.04 | 0.67 | -0.04 | 0.96 | -0.04 | 0.94 |
| ARC_FT_L | 0.00 | 1.00 | 0.00 | 0.97 | -0.06 | 0.97 | -0.08 | 0.73 | -0.10 | 0.72 | -0.13 | 0.62 | 0.05 | 0.70 | 0.04 | 0.78 | 0.03 | 0.77 | 0.02 | 0.90 | -0.01 | 0.98 | -0.02 | 0.98 |
| ARC_FT_R | 0.02 | 0.99 | 0.03 | 0.92 | -0.01 | 0.98 | -0.01 | 0.95 | -0.03 | 0.80 | -0.05 | 0.72 | 0.06 | 0.70 | 0.05 | 0.78 | 0.09 | 0.46 | 0.07 | 0.48 | -0.03 | 0.98 | -0.03 | 0.98 |
| ARC_TP_L | 0.03 | 0.99 | 0.04 | 0.91 | -0.09 | 0.97 | -0.10 | 0.69 | -0.05 | 0.77 | -0.05 | 0.71 | 0.04 | 0.70 | 0.05 | 0.78 | 0.05 | 0.60 | 0.05 | 0.61 | 0.02 | 0.98 | 0.02 | 0.98 |
| ARC_TP_R | 0.01 | 1.00 | 0.04 | 0.91 | 0.03 | 0.98 | 0.02 | 0.95 | -0.06 | 0.74 | -0.06 | 0.71 | 0.04 | 0.70 | 0.05 | 0.78 | 0.10 | 0.43 | 0.11 | 0.45 | -0.02 | 0.98 | -0.01 | 0.98 |
| CF_M_L | 0.07 | 0.81 | 0.07 | 0.76 | -0.04 | 0.98 | 0.13 | 0.69 | -0.07 | 0.74 | 0.02 | 0.89 | 0.03 | 0.75 | 0.09 | 0.68 | 0.10 | 0.43 | 0.15 | 0.33 | 0.11 | 0.47 | 0.03 | 0.98 |
| CF_M_R | 0.10 | 0.58 | 0.10 | 0.53 | -0.01 | 0.98 | -0.03 | 0.95 | -0.04 | 0.80 | -0.05 | 0.71 | 0.05 | 0.70 | 0.04 | 0.78 | 0.13 | 0.39 | 0.12 | 0.39 | 0.11 | 0.49 | 0.09 | 0.68 |
| Cing_L | -0.03 | 0.99 | 0.00 | 0.97 | -0.06 | 0.97 | -0.11 | 0.69 | -0.10 | 0.72 | -0.09 | 0.62 | -0.04 | 0.70 | 0.02 | 0.89 | 0.03 | 0.77 | 0.05 | 0.61 | 0.05 | 0.90 | 0.05 | 0.82 |
| Cing_R | -0.16 | 0.47 | -0.13 | 0.48 | -0.15 | 0.97 | 0.09 | 0.69 | -0.16 | 0.41 | -0.06 | 0.71 | -0.08 | 0.70 | -0.13 | 0.30 | -0.11 | 0.43 | -0.09 | 0.45 | -0.09 | 0.61 | -0.16 | 0.47 |
| CT_M_L | 0.00 | 1.00 | 0.00 | 0.97 | -0.10 | 0.97 | -0.11 | 0.69 | -0.09 | 0.72 | -0.09 | 0.62 | 0.01 | 0.89 | 0.02 | 0.89 | 0.05 | 0.60 | 0.05 | 0.61 | 0.06 | 0.88 | 0.05 | 0.82 |
| CT_M_R | 0.02 | 0.99 | 0.05 | 0.91 | -0.05 | 0.98 | -0.05 | 0.89 | -0.16 | 0.41 | -0.15 | 0.62 | 0.05 | 0.70 | 0.06 | 0.77 | 0.08 | 0.46 | 0.10 | 0.45 | 0.05 | 0.88 | 0.06 | 0.82 |
| CT_Par_L | -0.02 | 0.99 | 0.02 | 0.97 | -0.12 | 0.97 | -0.13 | 0.69 | -0.10 | 0.72 | -0.10 | 0.62 | -0.04 | 0.70 | -0.02 | 0.88 | -0.03 | 0.77 | -0.01 | 0.94 | 0.08 | 0.69 | 0.08 | 0.68 |
| CT_Par_R | 0.08 | 0.71 | 0.08 | 0.75 | -0.14 | 0.97 | -0.13 | 0.69 | -0.09 | 0.72 | -0.10 | 0.62 | 0.06 | 0.70 | 0.07 | 0.75 | 0.08 | 0.46 | 0.08 | 0.45 | 0.12 | 0.47 | 0.12 | 0.47 |
| CT_PFC_L | 0.13 | 0.47 | 0.11 | 0.48 | -0.04 | 0.98 | -0.05 | 0.89 | -0.03 | 0.80 | -0.05 | 0.74 | 0.15 | 0.32 | 0.13 | 0.30 | 0.10 | 0.43 | 0.08 | 0.45 | 0.14 | 0.47 | 0.12 | 0.47 |
| CT_PFC_R | 0.04 | 0.99 | 0.06 | 0.91 | 0.00 | 0.98 | -0.02 | 0.95 | -0.07 | 0.74 | -0.07 | 0.71 | 0.15 | 0.32 | 0.13 | 0.30 | 0.09 | 0.46 | 0.09 | 0.45 | 0.01 | 0.98 | 0.00 | 0.99 |
| CT_PM_L | 0.10 | 0.57 | 0.11 | 0.48 | -0.09 | 0.97 | -0.10 | 0.69 | -0.09 | 0.72 | -0.10 | 0.62 | 0.08 | 0.70 | 0.09 | 0.68 | 0.13 | 0.39 | 0.14 | 0.33 | 0.15 | 0.47 | 0.14 | 0.47 |
| CT_PM_R | 0.03 | 0.99 | 0.04 | 0.91 | -0.10 | 0.97 | -0.10 | 0.69 | -0.16 | 0.41 | -0.16 | 0.62 | 0.07 | 0.70 | 0.07 | 0.74 | 0.09 | 0.46 | 0.09 | 0.45 | 0.06 | 0.87 | 0.06 | 0.82 |
| IFOF_L | 0.12 | 0.47 | 0.10 | 0.53 | 0.04 | 0.98 | 0.03 | 0.95 | 0.03 | 0.80 | -0.01 | 0.94 | 0.15 | 0.32 | 0.14 | 0.30 | 0.10 | 0.43 | 0.08 | 0.45 | 0.12 | 0.47 | 0.10 | 0.63 |
| IFOF_R | 0.00 | 1.00 | 0.01 | 0.97 | 0.01 | 0.98 | 0.01 | 0.95 | -0.11 | 0.72 | -0.11 | 0.62 | 0.07 | 0.70 | 0.07 | 0.74 | 0.07 | 0.47 | 0.08 | 0.45 | -0.01 | 0.98 | -0.01 | 0.98 |
| ILF_L | 0.15 | 0.47 | 0.13 | 0.48 | 0.01 | 0.98 | 0.01 | 0.95 | 0.03 | 0.80 | 0.01 | 0.94 | 0.14 | 0.32 | 0.16 | 0.30 | 0.14 | 0.39 | 0.14 | 0.33 | 0.13 | 0.47 | 0.12 | 0.47 |
| ILF_R | 0.03 | 0.99 | 0.03 | 0.91 | 0.00 | 0.98 | 0.00 | 0.97 | -0.06 | 0.74 | -0.07 | 0.71 | 0.05 | 0.70 | 0.05 | 0.78 | 0.07 | 0.51 | 0.07 | 0.50 | 0.01 | 0.98 | 0.02 | 0.98 |
| SLF_L | 0.14 | 0.47 | 0.14 | 0.48 | -0.07 | 0.97 | -0.07 | 0.78 | -0.02 | 0.83 | -0.03 | 0.83 | 0.18 | 0.30 | 0.18 | 0.26 | 0.21 | 0.10 | 0.20 | 0.13 | 0.08 | 0.69 | 0.08 | 0.68 |
| SLF_R | 0.12 | 0.47 | 0.14 | 0.48 | -0.02 | 0.98 | -0.03 | 0.95 | -0.03 | 0.80 | -0.04 | 0.79 | 0.13 | 0.34 | 0.13 | 0.30 | 0.15 | 0.39 | 0.15 | 0.33 | 0.05 | 0.88 | 0.06 | 0.82 |
| UNC_L | 0.13 | 0.47 | 0.11 | 0.48 | 0.00 | 0.98 | 0.00 | 0.97 | -0.03 | 0.80 | -0.04 | 0.77 | 0.17 | 0.30 | 0.15 | 0.30 | 0.16 | 0.39 | 0.15 | 0.33 | 0.13 | 0.47 | 0.12 | 0.47 |
| UNC_R | 0.04 | 0.99 | 0.03 | 0.91 | 0.07 | 0.97 | 0.06 | 0.85 | -0.07 | 0.74 | -0.06 | 0.71 | 0.05 | 0.70 | 0.04 | 0.79 | 0.11 | 0.43 | 0.10 | 0.45 | 0.00 | 0.98 | 0.00 | 0.99 |
| Genu | 0.03 | 0.99 | 0.03 | 0.91 | -0.07 | 0.97 | -0.09 | 0.69 | -0.08 | 0.74 | -0.10 | 0.62 | 0.10 | 0.64 | 0.07 | 0.74 | 0.11 | 0.43 | 0.09 | 0.45 | 0.00 | 0.98 | -0.01 | 0.98 |
| Rost | -0.11 | 0.55 | -0.12 | 0.48 | -0.08 | 0.97 | -0.10 | 0.69 | -0.09 | 0.72 | -0.11 | 0.62 | 0.02 | 0.89 | -0.01 | 0.93 | -0.08 | 0.46 | -0.10 | 0.45 | -0.13 | 0.47 | -0.15 | 0.47 |
| Splen | -0.01 | 1.00 | 0.00 | 0.97 | -0.02 | 0.98 | -0.03 | 0.95 | 0.02 | 0.83 | -0.01 | 0.94 | 0.00 | 1.00 | 0.00 | 0.96 | 0.01 | 0.85 | 0.01 | 0.93 | -0.03 | 0.97 | -0.03 | 0.98 |

*Table 6.5.b: Comparison between Age-Sex Corrected and Unadjusted Correlations –RD at age 2 and MSEL Scores at age 2*

Tables display Pearson's correlations by each tract with FDR-corrected p-values. Age-Sex models are corrected for age at 2-year visit. Cells highlighted in yellow are significant in one model (i.e. unadjusted *or* Age-Sex), cells in yellow are significant in both models, and cells highlighted in gray are of a similar magnitude/trend to those significant in the other model.

| | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | RD 2 - ELC 2 | | RD 2 - ELC 2 | | RD 2 - GMI 2 | | RD 2 - GMI2 | | RD 2 - FMI 2 | | RD 2 - FMI2 | | RD 2 - EL 2 | | RD 2 - EL2 | | RD 2 - RL 2 | | RD 2 - RL2 | | RD 2 - VR 2 | | RD 2 - VR2 | |
| Tract | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* |
| ARC_FP_L | 0.00 | 0.97 | 0.03 | 0.93 | -0.07 | 0.77 | -0.07 | 0.68 | -0.11 | 0.42 | -0.09 | 0.49 | -0.04 | 0.96 | -0.01 | 0.99 | 0.06 | 0.87 | 0.09 | 0.72 | 0.03 | 0.86 | 0.04 | 0.91 |
| ARC_FP_R | 0.09 | 0.81 | 0.12 | 0.73 | -0.02 | 0.89 | -0.02 | 0.82 | -0.06 | 0.67 | -0.04 | 0.67 | 0.06 | 0.96 | 0.08 | 0.99 | 0.10 | 0.80 | 0.13 | 0.50 | 0.08 | 0.80 | 0.09 | 0.88 |
| ARC_FT_L | 0.01 | 0.97 | 0.03 | 0.93 | -0.06 | 0.77 | -0.06 | 0.68 | -0.10 | 0.42 | -0.09 | 0.50 | -0.03 | 0.96 | 0.00 | 0.99 | 0.10 | 0.80 | 0.12 | 0.53 | 0.05 | 0.86 | 0.06 | 0.91 |
| ARC_FT_R | -0.01 | 0.97 | 0.03 | 0.93 | -0.04 | 0.85 | -0.05 | 0.73 | -0.11 | 0.42 | -0.09 | 0.49 | -0.03 | 0.96 | -0.01 | 0.99 | 0.04 | 0.87 | 0.07 | 0.72 | 0.03 | 0.86 | 0.04 | 0.91 |
| ARC_TP_L | -0.02 | 0.97 | 0.00 | 1.00 | -0.09 | 0.77 | -0.10 | 0.68 | -0.11 | 0.42 | -0.10 | 0.48 | -0.01 | 0.96 | 0.00 | 0.99 | 0.04 | 0.87 | 0.05 | 0.72 | 0.02 | 0.86 | 0.03 | 0.91 |
| ARC_TP_R | 0.01 | 0.97 | 0.03 | 0.93 | -0.08 | 0.77 | -0.09 | 0.68 | -0.12 | 0.42 | -0.10 | 0.48 | 0.00 | 0.99 | 0.01 | 0.99 | 0.03 | 0.91 | 0.05 | 0.72 | 0.07 | 0.85 | 0.07 | 0.88 |
| CF_M_L | -0.10 | 0.81 | 0.09 | 0.89 | -0.06 | 0.77 | 0.09 | 0.68 | -0.19 | 0.36 | 0.06 | 0.65 | -0.05 | 0.96 | 0.05 | 0.99 | -0.03 | 0.91 | 0.12 | 0.53 | -0.03 | 0.86 | 0.02 | 0.93 |
| CF_M_R | -0.06 | 0.97 | -0.06 | 0.93 | -0.14 | 0.77 | -0.15 | 0.50 | -0.12 | 0.42 | -0.11 | 0.47 | -0.03 | 0.96 | -0.03 | 0.99 | 0.01 | 0.99 | 0.01 | 0.93 | -0.05 | 0.86 | -0.07 | 0.88 |
| Cing_L | 0.08 | 0.81 | -0.01 | 0.93 | -0.02 | 0.89 | -0.07 | 0.68 | -0.09 | 0.52 | -0.13 | 0.47 | 0.09 | 0.96 | 0.02 | 0.99 | 0.10 | 0.80 | 0.06 | 0.72 | 0.11 | 0.79 | 0.00 | 0.95 |
| Cing_R | 0.13 | 0.73 | 0.15 | 0.73 | 0.02 | 0.89 | 0.05 | 0.73 | -0.04 | 0.71 | 0.17 | 0.47 | 0.11 | 0.96 | 0.05 | 0.99 | 0.16 | 0.45 | 0.17 | 0.37 | 0.11 | 0.79 | 0.11 | 0.88 |
| CT_M_L | -0.03 | 0.97 | -0.01 | 0.93 | -0.05 | 0.85 | -0.07 | 0.68 | -0.13 | 0.42 | -0.13 | 0.47 | 0.01 | 0.96 | 0.02 | 0.99 | 0.05 | 0.87 | 0.06 | 0.72 | 0.01 | 0.90 | 0.00 | 0.95 |
| CT_M_R | 0.05 | 0.97 | 0.04 | 0.93 | -0.04 | 0.85 | -0.03 | 0.75 | -0.05 | 0.67 | -0.05 | 0.65 | 0.04 | 0.96 | 0.05 | 0.99 | 0.07 | 0.87 | 0.08 | 0.72 | 0.08 | 0.79 | 0.07 | 0.88 |
| CT_Par_L | 0.01 | 0.97 | 0.03 | 0.93 | -0.09 | 0.77 | -0.11 | 0.68 | -0.10 | 0.42 | -0.11 | 0.47 | 0.10 | 0.96 | 0.10 | 0.99 | 0.00 | 0.99 | 0.01 | 0.93 | 0.06 | 0.86 | 0.05 | 0.91 |
| CT_Par_R | 0.02 | 0.97 | 0.03 | 0.93 | -0.04 | 0.85 | -0.05 | 0.73 | -0.09 | 0.53 | -0.10 | 0.49 | 0.05 | 0.96 | 0.05 | 0.99 | 0.01 | 0.98 | 0.01 | 0.93 | 0.05 | 0.86 | 0.04 | 0.91 |
| CT_PFC_L | 0.17 | 0.73 | 0.15 | 0.73 | -0.10 | 0.77 | -0.11 | 0.68 | 0.00 | 0.99 | -0.02 | 0.84 | 0.13 | 0.96 | 0.12 | 0.99 | 0.10 | 0.80 | 0.08 | 0.72 | 0.22 | 0.16 | 0.19 | 0.36 |
| CT_PFC_R | 0.03 | 0.97 | 0.05 | 0.93 | -0.09 | 0.77 | -0.11 | 0.68 | -0.06 | 0.67 | -0.06 | 0.65 | 0.10 | 0.96 | 0.10 | 0.99 | 0.04 | 0.87 | 0.05 | 0.72 | 0.04 | 0.86 | 0.02 | 0.91 |
| CT_PM_L | 0.00 | 0.97 | 0.01 | 0.93 | -0.01 | 0.91 | -0.03 | 0.82 | -0.07 | 0.58 | -0.08 | 0.57 | 0.04 | 0.96 | 0.05 | 0.99 | 0.02 | 0.93 | 0.03 | 0.79 | 0.02 | 0.86 | 0.01 | 0.95 |
| CT_PM_R | 0.05 | 0.97 | 0.04 | 0.93 | -0.06 | 0.77 | -0.07 | 0.68 | -0.04 | 0.69 | -0.05 | 0.65 | 0.02 | 0.96 | 0.03 | 0.99 | 0.08 | 0.82 | 0.08 | 0.72 | 0.08 | 0.79 | 0.07 | 0.88 |
| IFOF_L | 0.03 | 0.97 | 0.02 | 0.93 | -0.06 | 0.77 | -0.06 | 0.69 | -0.05 | 0.67 | -0.07 | 0.57 | -0.01 | 0.96 | 0.00 | 0.99 | 0.06 | 0.87 | 0.06 | 0.72 | 0.06 | 0.86 | 0.04 | 0.91 |
| IFOF_R | -0.02 | 0.97 | -0.01 | 0.93 | -0.04 | 0.85 | -0.04 | 0.73 | -0.12 | 0.42 | -0.13 | 0.47 | -0.02 | 0.96 | 0.00 | 0.99 | 0.03 | 0.91 | 0.04 | 0.72 | 0.01 | 0.92 | 0.01 | 0.95 |
| ILF_L | 0.06 | 0.97 | 0.05 | 0.93 | -0.09 | 0.77 | -0.08 | 0.68 | -0.03 | 0.80 | -0.04 | 0.67 | 0.03 | 0.96 | 0.05 | 0.99 | 0.07 | 0.87 | 0.07 | 0.72 | 0.09 | 0.79 | 0.07 | 0.88 |
| ILF_R | -0.04 | 0.97 | -0.02 | 0.93 | -0.08 | 0.77 | -0.08 | 0.68 | -0.12 | 0.42 | -0.13 | 0.47 | 0.01 | 0.96 | 0.01 | 0.99 | 0.00 | 0.99 | 0.01 | 0.93 | -0.03 | 0.86 | -0.03 | 0.91 |
| SLF_L | 0.02 | 0.97 | 0.02 | 0.93 | -0.06 | 0.77 | -0.06 | 0.68 | -0.05 | 0.67 | -0.05 | 0.65 | 0.01 | 0.96 | 0.03 | 0.99 | 0.06 | 0.87 | 0.07 | 0.72 | 0.03 | 0.86 | 0.03 | 0.91 |
| SLF_R | -0.04 | 0.97 | 0.01 | 0.93 | -0.01 | 0.93 | -0.02 | 0.82 | -0.14 | 0.42 | -0.12 | 0.47 | -0.02 | 0.96 | 0.01 | 0.99 | -0.01 | 0.98 | 0.02 | 0.90 | 0.02 | 0.88 | 0.03 | 0.91 |
| UNC_L | 0.13 | 0.73 | 0.12 | 0.73 | -0.02 | 0.89 | -0.02 | 0.82 | -0.05 | 0.68 | -0.04 | 0.68 | 0.06 | 0.96 | 0.07 | 0.99 | 0.16 | 0.45 | 0.17 | 0.37 | 0.18 | 0.34 | 0.17 | 0.36 |
| UNC_R | 0.09 | 0.81 | 0.08 | 0.90 | -0.03 | 0.89 | -0.04 | 0.73 | -0.05 | 0.67 | -0.05 | 0.65 | 0.03 | 0.96 | 0.03 | 0.99 | 0.15 | 0.45 | 0.14 | 0.44 | 0.10 | 0.79 | 0.08 | 0.88 |
| Genu | 0.12 | 0.73 | 0.13 | 0.73 | -0.15 | 0.77 | -0.16 | 0.50 | 0.01 | 0.90 | 0.02 | 0.84 | 0.07 | 0.96 | 0.06 | 0.99 | 0.15 | 0.45 | 0.15 | 0.44 | 0.15 | 0.64 | 0.13 | 0.85 |
| Rost | 0.12 | 0.73 | 0.10 | 0.89 | -0.13 | 0.77 | -0.15 | 0.50 | 0.08 | 0.58 | 0.05 | 0.65 | 0.07 | 0.96 | 0.05 | 0.99 | 0.09 | 0.82 | 0.06 | 0.72 | 0.12 | 0.79 | 0.09 | 0.88 |
| Splen | -0.11 | 0.73 | -0.09 | 0.89 | -0.09 | 0.77 | -0.11 | 0.68 | -0.13 | 0.42 | -0.14 | 0.47 | -0.11 | 0.96 | -0.11 | 0.99 | -0.05 | 0.87 | -0.05 | 0.72 | -0.08 | 0.79 | -0.09 | 0.88 |

*Table 6.5.c: Comparison between Age-Sex Corrected and Unadjusted Correlations –FA at age 2 and MSEL Scores at age 2*

Tables display Pearson's correlations by each tract with FDR-corrected p-values. Age-Sex models are corrected for age at 2-year visit. Cells highlighted in yellow are significant in one model (i.e. unadjusted *or* Age-Sex), cells in yellow are significant in both models, and cells highlighted in gray are of a similar magnitude/trend to those significant in the other model.

| | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | | Age - Sex | | Unadjusted | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FA 2 - ELC 2 | | FA 2 - ELC 2 | | FA 2 - GM 2 | | FA 2 - GM2 | | FA 2 - FM 2 | | FA 2 - FM2 | | FA 2 - EL 2 | | FA 2 - EL2 | | FA 2 - RL 2 | | FA 2 - RL2 | | FA 2 - VR 2 | | FA 2 - VR2 | |
| Tract | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* | *Pearson's r* | *fdr Pval* |
| ARC_FP_L | 0.09 | 0.58 | 0.06 | 0.84 | 0.03 | 0.95 | 0.02 | 0.93 | 0.08 | 0.70 | 0.05 | 0.76 | 0.15 | 0.51 | 0.11 | 0.89 | 0.05 | 0.94 | 0.01 | 0.98 | 0.03 | 0.87 | 0.02 | 0.92 |
| ARC_FP_R | -0.12 | 0.43 | -0.15 | 0.33 | -0.01 | 0.95 | -0.01 | 0.93 | 0.01 | 0.92 | -0.02 | 0.82 | -0.07 | 0.86 | -0.09 | 0.89 | -0.11 | 0.68 | -0.14 | 0.70 | -0.12 | 0.48 | -0.13 | 0.35 |
| ARC_FT_L | -0.02 | 0.95 | -0.04 | 0.86 | 0.01 | 0.95 | 0.00 | 1.00 | 0.06 | 0.70 | 0.02 | 0.82 | 0.03 | 0.86 | 0.00 | 0.99 | -0.09 | 0.76 | -0.12 | 0.70 | -0.07 | 0.68 | -0.09 | 0.75 |
| ARC_FT_R | -0.01 | 0.96 | -0.03 | 0.86 | 0.04 | 0.95 | 0.04 | 0.93 | 0.11 | 0.70 | 0.08 | 0.74 | 0.03 | 0.86 | 0.01 | 0.99 | -0.03 | 0.94 | -0.06 | 0.98 | -0.07 | 0.70 | -0.08 | 0.76 |
| ARC_TP_L | 0.05 | 0.80 | 0.04 | 0.86 | 0.02 | 0.95 | 0.02 | 0.93 | 0.09 | 0.70 | 0.09 | 0.71 | 0.04 | 0.86 | 0.02 | 0.99 | 0.01 | 0.94 | -0.01 | 0.98 | 0.02 | 0.88 | 0.02 | 0.92 |
| ARC_TP_R | 0.00 | 0.96 | 0.02 | 0.93 | 0.08 | 0.95 | 0.08 | 0.93 | 0.09 | 0.70 | 0.09 | 0.71 | 0.03 | 0.86 | 0.03 | 0.99 | 0.03 | 0.94 | 0.03 | 0.98 | -0.09 | 0.68 | -0.07 | 0.76 |
| CF_M_L | 0.17 | 0.22 | -0.06 | 0.84 | 0.06 | 0.95 | -0.03 | 0.93 | 0.17 | 0.43 | -0.06 | 0.74 | 0.09 | 0.67 | 0.01 | 0.99 | 0.12 | 0.68 | -0.04 | 0.98 | 0.11 | 0.49 | -0.02 | 0.92 |
| CF_M_R | 0.15 | 0.35 | 0.15 | 0.33 | 0.13 | 0.95 | 0.13 | 0.93 | 0.10 | 0.70 | 0.09 | 0.71 | 0.07 | 0.86 | 0.07 | 0.99 | 0.10 | 0.68 | 0.10 | 0.83 | 0.14 | 0.40 | 0.14 | 0.30 |
| Cing_L | -0.09 | 0.58 | 0.03 | 0.86 | -0.03 | 0.95 | 0.02 | 0.93 | 0.02 | 0.86 | 0.09 | 0.71 | -0.11 | 0.67 | 0.01 | 0.99 | -0.07 | 0.94 | 0.00 | 0.98 | -0.07 | 0.68 | 0.03 | 0.92 |
| Cing_R | -0.21 | 0.18 | -0.20 | 0.28 | -0.12 | 0.95 | 0.01 | 0.93 | -0.07 | 0.70 | -0.16 | 0.50 | -0.15 | 0.51 | -0.13 | 0.89 | -0.20 | 0.32 | -0.20 | 0.30 | -0.15 | 0.34 | -0.18 | 0.18 |
| CT_M_L | 0.04 | 0.86 | 0.03 | 0.86 | 0.01 | 0.95 | 0.02 | 0.93 | 0.10 | 0.70 | 0.09 | 0.71 | 0.01 | 0.92 | 0.01 | 0.99 | 0.01 | 0.94 | 0.00 | 0.98 | 0.02 | 0.88 | 0.03 | 0.92 |
| CT_M_R | -0.02 | 0.95 | 0.00 | 0.99 | -0.01 | 0.95 | -0.01 | 0.93 | -0.03 | 0.82 | -0.03 | 0.82 | 0.01 | 0.93 | 0.00 | 0.99 | -0.01 | 0.94 | -0.01 | 0.98 | -0.04 | 0.84 | -0.02 | 0.92 |
| CT_Par_L | 0.03 | 0.95 | 0.04 | 0.86 | 0.02 | 0.95 | 0.03 | 0.93 | 0.08 | 0.70 | 0.09 | 0.71 | -0.13 | 0.58 | -0.11 | 0.89 | 0.01 | 0.94 | 0.02 | 0.98 | 0.06 | 0.70 | 0.09 | 0.75 |
| CT_Par_R | 0.05 | 0.80 | 0.04 | 0.86 | -0.07 | 0.95 | -0.05 | 0.93 | 0.07 | 0.70 | 0.07 | 0.74 | -0.01 | 0.92 | -0.01 | 0.99 | 0.02 | 0.94 | 0.02 | 0.98 | 0.04 | 0.84 | 0.06 | 0.81 |
| CT_PFC_L | -0.13 | 0.43 | -0.13 | 0.42 | 0.10 | 0.95 | 0.11 | 0.93 | -0.04 | 0.79 | -0.05 | 0.76 | -0.04 | 0.86 | -0.04 | 0.99 | -0.06 | 0.94 | -0.07 | 0.98 | -0.20 | 0.14 | -0.18 | 0.18 |
| CT_PFC_R | -0.06 | 0.80 | -0.06 | 0.84 | 0.07 | 0.95 | 0.08 | 0.93 | -0.03 | 0.82 | -0.04 | 0.82 | -0.03 | 0.86 | -0.03 | 0.99 | -0.03 | 0.94 | -0.04 | 0.98 | -0.08 | 0.68 | -0.07 | 0.76 |
| CT_PM_L | 0.10 | 0.54 | 0.09 | 0.84 | -0.04 | 0.95 | -0.02 | 0.93 | 0.04 | 0.79 | 0.03 | 0.82 | 0.03 | 0.86 | 0.03 | 0.99 | 0.09 | 0.76 | 0.07 | 0.98 | 0.12 | 0.48 | 0.12 | 0.42 |
| CT_PM_R | -0.02 | 0.95 | 0.00 | 0.99 | -0.02 | 0.95 | -0.01 | 0.93 | -0.06 | 0.70 | -0.05 | 0.76 | 0.03 | 0.86 | 0.03 | 0.99 | -0.02 | 0.94 | -0.02 | 0.98 | -0.03 | 0.88 | -0.01 | 0.92 |
| IFOF_L | 0.06 | 0.80 | 0.06 | 0.84 | 0.08 | 0.95 | 0.07 | 0.93 | 0.06 | 0.70 | 0.06 | 0.74 | 0.13 | 0.58 | 0.11 | 0.89 | 0.01 | 0.94 | 0.00 | 0.98 | 0.04 | 0.84 | 0.04 | 0.92 |
| IFOF_R | 0.01 | 0.96 | 0.00 | 0.99 | 0.04 | 0.95 | 0.05 | 0.93 | 0.06 | 0.70 | 0.06 | 0.74 | 0.06 | 0.86 | 0.04 | 0.99 | -0.01 | 0.94 | -0.03 | 0.98 | -0.04 | 0.84 | -0.04 | 0.92 |
| ILF_L | 0.07 | 0.80 | 0.07 | 0.84 | 0.06 | 0.95 | 0.06 | 0.93 | 0.06 | 0.70 | 0.06 | 0.74 | 0.09 | 0.67 | 0.09 | 0.89 | 0.05 | 0.94 | 0.05 | 0.98 | 0.02 | 0.88 | 0.03 | 0.92 |
| ILF_R | 0.08 | 0.73 | 0.06 | 0.84 | 0.06 | 0.95 | 0.06 | 0.93 | 0.13 | 0.70 | 0.14 | 0.71 | 0.04 | 0.86 | 0.03 | 0.99 | 0.04 | 0.94 | 0.03 | 0.98 | 0.05 | 0.84 | 0.05 | 0.86 |
| SLF_L | 0.06 | 0.80 | 0.06 | 0.84 | 0.02 | 0.95 | 0.02 | 0.93 | 0.04 | 0.79 | 0.02 | 0.82 | 0.10 | 0.67 | 0.09 | 0.89 | 0.05 | 0.94 | 0.04 | 0.98 | 0.00 | 0.99 | 0.01 | 0.92 |
| SLF_R | 0.12 | 0.43 | 0.09 | 0.84 | -0.03 | 0.95 | -0.03 | 0.93 | 0.12 | 0.70 | 0.10 | 0.71 | 0.10 | 0.67 | 0.07 | 0.99 | 0.13 | 0.68 | 0.09 | 0.98 | 0.02 | 0.88 | 0.01 | 0.92 |
| UNC_L | -0.01 | 0.96 | -0.02 | 0.91 | 0.04 | 0.95 | 0.04 | 0.93 | 0.04 | 0.79 | 0.02 | 0.82 | 0.09 | 0.67 | 0.07 | 0.99 | -0.03 | 0.94 | -0.05 | 0.98 | -0.08 | 0.68 | -0.08 | 0.76 |
| UNC_R | -0.03 | 0.93 | -0.03 | 0.86 | 0.08 | 0.95 | 0.08 | 0.93 | 0.00 | 0.99 | 0.00 | 0.98 | 0.04 | 0.86 | 0.03 | 0.99 | -0.03 | 0.94 | -0.04 | 0.98 | -0.08 | 0.68 | -0.07 | 0.76 |
| Genu | -0.12 | 0.47 | -0.13 | 0.42 | 0.10 | 0.95 | 0.11 | 0.93 | -0.04 | 0.79 | -0.06 | 0.74 | 0.01 | 0.92 | 0.00 | 0.99 | -0.13 | 0.68 | -0.13 | 0.70 | -0.17 | 0.29 | -0.17 | 0.22 |
| Rost | -0.18 | 0.18 | -0.17 | 0.28 | 0.10 | 0.95 | 0.11 | 0.93 | -0.13 | 0.70 | -0.11 | 0.71 | -0.04 | 0.86 | -0.03 | 0.99 | -0.14 | 0.68 | -0.12 | 0.70 | -0.21 | 0.14 | -0.19 | 0.18 |
| Splen | 0.19 | 0.18 | 0.17 | 0.28 | 0.08 | 0.95 | 0.10 | 0.93 | 0.21 | 0.17 | 0.19 | 0.33 | 0.19 | 0.39 | 0.19 | 0.39 | 0.11 | 0.68 | 0.10 | 0.83 | 0.14 | 0.40 | 0.15 | 0.30 |