**Complete Davi130 labels hemispheric asymmetry**

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| **Davi130 Label** | **T-statistic** | **p-value** |
| **Leftward Asymmetry** |  |  |
| **Frontal Cortex** |  |  |
| Anterior Superior Frontal Gyrus (aSFG)\* | 10.00 | 3.4x10-19 |
| Middle Superior Frontal Gyrus (mSFG)\* | 5.89 | 1.7x10-8 |
| Posterior Superior Frontal Gyrus (pSFG)\* | 6.00 | 9.6x10-9 |
| Posterior Middle Frontal Gyrus (pMFG)\* | 6.94 | 1.7x10-8 |
| Lateral Orbitofrontal Cortex (lOFC) | 0.50 | 0.6203 |
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| **Limbic Cortex** |  |  |
| Entorhinal Cortex (EnC) | 2.36 | 0.0194 |
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| **Temporal Cortex** |  |  |
| Anterior Insula (aIns)\* | 10.64 | 4.2x10-21 |
| Posterior Insula (pIns)\* | 16.62 | 4.5x10-39 |
| Anterior Transverse Temporal Gyrus (aTTG)\* | 4.72 | 4.6x10-6 |
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| **Parietal Cortex** |  |  |
| Superior Parietal Lobule (SPL) | 0.31 | 0.7545 |
| Precuneus (PCun)\* | 4.00 | 9.2x10-5 |
| **Occipital Cortex** |  |  |
| Cuneus (Cun) | 2.25 | 0.0253 |
| **Basal Ganglia** |  |  |
| Nucleus Accumbens (NA)\* | 5.21 | 4.9x10-7 |
| Basal Forebrain Nuclei (BF)\* | 4.02 | 8.5x10-5 |
| Globus Pallidus (GP)\* | 4.68 | 5.5x10-6 |
| Putamen (Pu)\* | 8.31 | 1.6x10-14 |
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| **Cerebellum** |  |  |
| Cerebellum IV-Anterior Quadrangulate (CerIV) | 0.58 | 0.5615 |
| Cerebellum III-Anterior Quadrangulate (CerII) | 0.02 | 0.9848 |
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| **Rightward Asymmetry** |  |  |
| **Frontal Cortex** |  |  |
| Anterior Middle Frontal Gyrus (aMFG)\* | -4.30 | 2.8x10-5 |
| Anterior Inferior Frontal Gyrus (aIFG)\* | -4.57 | 8.7x10-6 |
| Middle Inferior Frontal Gyrus (mIFG)\* | -6.15 | 4.3x10-9 |
| Posterior Inferior Frontal Gyrus (pIFG)\* | -6.17 | 3.9x10-9 |
| Medial Orbitofrontal Cortex (mOFC)\* | -7.05 | 3.1x10-11 |
| Frontal Operculum (FOP)\* | -17.18 | 9.3x10-41 |
| Superior Precentral Gyrus (sPrCG) | -0.59 | 0.5581 |
| Middle Precentral Gyrus (mPrCG)\* | -5.56 | 8.9x10-8 |
| Inferior Precentral Gyrus (iPrCG) | -2.08 | 0.0386 |
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| **Limbic Cortex** |  |  |
| Anterior Cingulate Gyrus (ACC)\* | -12.50 | 1.2x10-26 |
| Middle Cingulate Gyrus (MCC)\* | -10.50 | 1.1x10-20 |
| Posterior Cingulate Gyrus (PCC)\* | -9.38 | 1.8x10-17 |
| Parahippocampal Gyrus (PHC) | -0.35 | 0.7287 |
| Amygdala (Amy)\* | -5.63 | 6.4x10-8 |
| Hippocampus (HC) | -2.94 | 0.0036 |
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| **Temporal Cortex** |  |  |
| Posterior Transverse Temporal Gyrus (pTTG)\* | -3.93 | 0.0001 |
| Anterior Superior Temporal Gyrus (aSTG)\* | -3.53 | 0.0005 |
| Posterior Superior Temporal Gyrus (pSTG)\* | -9.94 | 6.5x10-19 |
| Anterior Middle Temporal Gyrus (aMTG)\* | -4.54 | 9.9x10-6 |
| Posterior Middle Temporal Gyrus (pMTG)\* | -3.61 | 0.0004 |
| Anterior Inferior Temporal Gyrus (aITG) | -0.52 | 0.6044 |
| Posterior Inferior Temporal Gyrus (pITG) | -2.97 | 0.0034 |
| Anterior Fusiform Gyrus (aFFG)\* | -3.62 | 0.0004 |
| Posterior Fusiform Gyrus (pFFG)\* | -9.48 | 9.4x10-18 |
| **Parietal Cortex** |  |  |
| Superior Postcentral Gyrus (sPoCG) | -2.37 | 0.0187 |
| Middle Postcentral Gyrus (mPoCG)\* | -7.91 | 2.0x10-13 |
| Inferior Postcentral Gyrus (iPoCG)\* | -5.50 | 1.1x10-7 |
| Paracentral Lobule (PCL) | -0.45 | 0.6517 |
| Angular Gyrus (AnG)\* | -7.55 | 1.7x10-12 |
| Parietal Operculum (POP)\* | -9.85 | 8.4x10-19 |
| Supramarginal Gyrus (SMG)\* | -4.41 | 1.7x10-5 |
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| **Occipital Cortex** |  |  |
| Lingual Gyrus (LG) | -1.76 | 0.0801 |
| Calcarine Sulcus (Calc)\* | -6.78 | 1.4x10-10 |
| Superior Occipital Gyrus (sOG) | -2.34 | 0.0204 |
| Middle Occipital Gyrus (mOG)\* | -10.84 | 1.1x10-21 |
| Inferior Occipital Gyrus (iOG) | -1.98 | 0.0491 |
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| **Basal Ganglia** |  |  |
| Caudate Nucleus (CN)\* | -14.53 | 8.4x10-33 |
| Thalamus (Th)\* | -15.86 | 8.4x10-37 |
| Hypothalamus (HTh) | -1.45 | 0.1486 |
| **Cerebellum** |  |  |
| Cerebellum IX (CerIX)\* | -5.67 | 5.1x10-8 |
| Cerebellum VIIIAB (CerVIII)\* | -3.82 | 0.0002 |
| Cerebellum VIIA – Crus I (CrusI)\* | -3.38 | 0.0009 |
| Cerebellum VIIA – Crus II (CrusII)\* | -10.36 | 2.8x10-20 |
| Cerebellum VI (CerVI)\* | -4.73 | 4.3x10-6 |
| Cerebellum V-Anterior B (CerVB) | -1.44 | 0.1522 |
| Cerebellum V-Anterior A (CerVA) | -3.07 | 0.0024 |
| Cerebellum III (CerIII) | -0.05 | 0.9607 |
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**Key:** \* multiple comparisons correction at FWE *p* ≤ 0.05.