PASAT Functional Connectivity Baseline

| ROI Seed | ROI Target | T statistic | p value FDR | Effect size   Eta squared |
| --- | --- | --- | --- | --- |
| Total BRAF Baseline | | | | |
| LH-Paracentral | LH-Frontal Pole | 4.16 | 0.007 | 0.18 (small) |
| LH-Pars Triangularis | LH-Rostral Anterior Cingulate | 4.02 | 0.011 | 0.17 (small) |
| LH-Frontal Pole | RH-Paracentral | 3.58 | 0.025 | 0.14 (small) |
| Physical BRAF Baseline | | | | |
| LH-Amygdala | LH-Lateral Occipital Gyrus | 3.82 | 0.022 | 0.16 (small) |
| LH-Fusiform | RH-Postcentral | 3.65 | 0.039 | 0.15 (small) |
| LH-Paracentral | LH-Postcentral | 3.44 | 0.028 | 0.13 (small) |
| LH-Paracentral | RH-Postcentral | 2.78 | 0.043 | 0.09 (trivial) |
| LH-Paracentral | RH-Precentral | 3.34 | 0.028 | 0.13 (small) |
| LH-Postcentral | RH-Paracentral | 3.89 | 0.017 | 0.16 (small) |
| LH-Postcentral | RH-Precentral | 3.67 | 0.018 | 0.15 (small) |
| RH-Fusiform | RH-Postcentral | 3.55 | 0.047 | 0.14 (small) |
| RH-Fusiform | RH-Precentral | 3.38 | 0.047 | 0.13 (small) |
| RH-Paracentral | RH-Postcentral | 3.36 | 0.034 | 0.13 (small) |
| RH-Paracentral | RH-Precentral | 3.64 | 0.021 | 0.15 (small) |
| RH-Precentral | LH-Fusiform | 3.07 | 0.036 | 0.11 (small) |
| Living BRAF Baseline | | | | |
| LH-Accumbens | LH-Bank of the Superior Temporal Sulcus | 4.02 | 0.011 | 0.17 (small) |
| LH-Accumbens | LH-Pars opercularis | 3.64 | 0.020 | 0.15 (small) |
| LH-Cuneus | RH-Middle Temporal Gyrus | 3.69 | 0.035 | 0.15 (small) |
| LH-Fusiform | LH-Postcentral | 3.30 | 0.031 | 0.12 (small) |
| LH-Fusiform | RH-Cuneus | 3.42 | 0.031 | 0.13 (small) |
| LH-Fusiform | RH-Lateral Occipital Gyrus | 3.30 | 0.031 | 0.12 (small) |
| LH-Paracentral | LH-Frontal Pole | 3.67 | 0.037 | 0.15 (small) |
| LH-Pars Triangularis | LH-Rostral Anterior Cingulate | 4.42 | 0.003 | 0.2 (small) |
| LH-Pars Triangularis | RH-Rostral Anterior Cingulate | 3.88 | 0.009 | 0.16 (small) |
| RH-Cuneus | RH-Fusiform | 3.59 | 0.042 | 0.14 (small) |
| RH-Fusiform | LH-Cuneus | 3.23 | 0.043 | 0.12 (small) |
| Emotion BRAF Baseline | | | | |
| LH-Frontal Pole | RH-Paracentral | 3.68 | 0.035 | 0.15 (small) |
| Colour highlights common connections between outcomes. Effect sizes are labelled as trivial<0.1, small>=0.1, medium>=0.25, large >0.37. | | | | |

Resting-state Functional Connectivity Baseline

| ROI Seed | ROI Target | T statistic | p value FDR | Effect size   Eta squared |
| --- | --- | --- | --- | --- |
| Total BRAF Baseline | | | | |
| RH-Ventral Diencephalon | LH-Fusiform | 3.64 | 0.039 | 0.14 (small) |
| Physical BRAF Baseline | | | | |
| LH-Lateral Orbito Frontal | LH-Medial Orbito Frontal | 3.60 | 0.045 | 0.14 (small) |
| Living BRAF Baseline | | | | |
| LH-Pallidum | LH-Postcentral | 4.08 | 0.009 | 0.17 (small) |
| RH-Hippocampus | RH-Caudal Middle Frontal Gyrus | 3.38 | 0.026 | 0.12 (small) |
| RH-Ventral Diencephalon | LH-Fusiform | 3.61 | 0.043 | 0.14 (small) |
| LH-Bank of the Superior Temporal Sulcus | RH-Caudal Middle Frontal Gyrus | 3.58 | 0.048 | 0.14 (small) |
| RH-Caudal Middle Frontal Gyrus | LH-Fusiform | 3.27 | 0.027 | 0.12 (small) |
| RH-Caudal Middle Frontal Gyrus | RH-Parahippocampal | 3.67 | 0.024 | 0.14 (small) |
| Cognition BRAF Baseline | | | | |
| LH-Pars Orbitalis | LH-Supramarginal Gyrus | -4.12 | 0.007 | 0.17 (small) |
| Emotion BRAF Baseline | | | | |
| LH-Pars Orbitalis | LH-Supramarginal Gyrus | -3.71 | 0.032 | 0.14 (small) |
| Colour highlights common connections between outcomes. Effect sizes are labelled as trivial<0.1, small>=0.1, medium>=0.25, large >0.37. | | | | |

Structural Connectivity Baseline

| ROI Seed | ROI Target | T statistic | p value FDR | Effect size   Eta squared |
| --- | --- | --- | --- | --- |
| Total BRAF Baseline | | | | |
| LH-Lingual | LH-Superior Temporal Gyrus | -3.86 | 0.019 | 0.15 (small) |
| LH-Middle Temporal Gyrus | LH-Amygdala | -3.65 | 0.019 | 0.14 (small) |
| LH-Middle Temporal Gyrus | RH-Lingual | -4.17 | 0.006 | 0.17 (small) |
| LH-Paracentral | LH-Supramarginal Gyrus | -4.33 | 0.003 | 0.19 (small) |
| LH-Superior Temporal Gyrus | RH-Lingual | -4.15 | 0.007 | 0.17 (small) |
| LH-Transverse Temporal Gyrus | RH-Pericalcarine | -4.37 | 0.003 | 0.19 (small) |
| RH-Inferior Parietal Lobule | LH-Pericalcarine | -3.68 | 0.017 | 0.14 (small) |
| RH-Inferior Parietal Lobule | RH-Paracentral | -3.80 | 0.017 | 0.15 (small) |
| RH-Lateral Occipital Gyrus | RH-Paracentral | -3.95 | 0.014 | 0.16 (small) |
| RH-Parahippocampal | RH-Accumbens | -3.95 | 0.014 | 0.16 (small) |
| RH-Paracentral | RH-Cuneus | -3.32 | 0.023 | 0.12 (small) |
| RH-Paracentral | RH-Inferior Parietal Lobule | -3.92 | 0.008 | 0.16 (small) |
| RH-Paracentral | RH-Lateral Occipital Gyrus | -3.60 | 0.015 | 0.14 (small) |
| RH-Paracentral | RH-Pericalcarine | -4.09 | 0.008 | 0.17 (small) |
| RH-Paracentral | RH-Supramarginal Gyrus | -3.45 | 0.018 | 0.13 (small) |
| RH-Pericalcarine | RH-Paracentral | -3.89 | 0.017 | 0.16 (small) |
| Physical BRAF Baseline | | | | |
| LH-Transverse Temporal Gyrus | RH-Pericalcarine | -3.91 | 0.016 | 0.16 (small) |
| RH-Lingual | RH-Bank of the Superior Temporal Sulcus | -4.68 | <0.001 | 0.21 (small) |
| Living BRAF Baseline | | | | |
| LH-Middle Temporal Gyrus | LH-Amygdala | -3.61 | 0.022 | 0.14 (small) |
| LH-Middle Temporal Gyrus | RH-Lingual | -4.05 | 0.010 | 0.17 (small) |
| LH-Pericalcarine | RH-Cuneus | -3.80 | 0.012 | 0.15 (small) |
| LH-Pericalcarine | RH-Pericalcarine | -3.86 | 0.012 | 0.15 (small) |
| LH-Superior Temporal Gyrus | RH-Lingual | -4.05 | 0.009 | 0.17 (small) |
| LH-Transverse Temporal Gyrus | RH-Pericalcarine | -4.17 | 0.006 | 0.18 (small) |
| RH-Paracentral | RH-Hippocampus | -3.60 | 0.012 | 0.14 (small) |
| RH-Paracentral | RH-Inferior Parietal Lobule | -3.62 | 0.012 | 0.14 (small) |
| RH-Paracentral | RH-Lateral Occipital Gyrus | -3.50 | 0.012 | 0.13 (small) |
| RH-Paracentral | RH-Parahippocampal | -3.62 | 0.012 | 0.14 (small) |
| RH-Paracentral | RH-Pericalcarine | -3.59 | 0.012 | 0.14 (small) |
| RH-Paracentral | RH-Supramarginal Gyrus | -3.25 | 0.023 | 0.11 (small) |
| RH-Pericalcarine | LH-Isthmus Cingulate Cortex | -3.86 | 0.018 | 0.15 (small) |
| RH-Rostral Middle Frontal Gyrus | LH-Accumbens | -3.92 | 0.015 | 0.16 (small) |
| Emotion BRAF Baseline | | | | |
| RH-Pericalcarine | LH-Hippocampus | -3.68 | 0.017 | 0.14 (small) |
| RH-Pericalcarine | RH-Paracentral | -3.68 | 0.017 | 0.14 (small) |
| Colour highlights common connections between outcomes. Effect sizes are labelled as trivial<0.1, small>=0.1, medium>=0.25, large >0.37. | | | | |

Grey Matter Volume Baseline

| ROI Seed | T statistic | p value FDR | Effect size   Eta squared |
| --- | --- | --- | --- |
| Total BRAF Baseline | | | |
| RH-Lateral Orbito Frontal | -3.59 | 0.05 | 0.14 (small) |
| Colour highlights common regions between outcomes. Effect sizes are labelled as trivial<0.1, small>=0.1, medium>=0.25, large >0.37. | | | |

Grey Matter Thickness Baseline

| ROI Seed | T statistic | p value FDR | Effect size   Eta squared |
| --- | --- | --- | --- |
| Total BRAF Baseline | | | |
| LH-Insula | -3.69 | 0.03 | 0.14 (small) |
| Cognition BRAF Baseline | | | |
| LH-Insula | -3.30 | 0.05 | 0.12 (small) |
| RH-Lingual | -3.76 | 0.02 | 0.15 (small) |
| Colour highlights common regions between outcomes. Effect sizes are labelled as trivial<0.1, small>=0.1, medium>=0.25, large >0.37. | | | |