Table, Supplemental Digital Content 1: Local maxima within significant clusters of seed to voxel functional connectivity changes for saline > midazolam contrast, with target clusters thresholded for FDR-corrected p < 0.05

|  | **Region Identified by Atlas** | | |  |  | **MNI Coordinates** | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Seed Region** | **AAL** | **Anatomy Toolbox** | **Harvard-Oxford** | **Extent** | **t-value** | **x** | **y** | **z** |
| Left Insular Cortex | Caudate\_L | L Caudate Nucleus | Left Caudate | 120 | 6.03 | -16 | -10 | 24 |
|  | - | - | Left Cerebral White Matter | 120 | 4.66 | -24 | -32 | 24 |
|  | - | - | Right Cerebral White Matter | 109 | 5.03 | 20 | -30 | 32 |
|  | Parietal\_Inf\_R | R Inferior Parietal Lobule | Angular Gyrus | 260 | -9.63 | 44 | -56 | 58 |
|  | SupraMarginal\_R | R SupraMarginal Gyrus | Supramarginal Gyrus, posterior division | 260 | -7.06 | 64 | -46 | 36 |
|  |  |  |  |  |  |  |  |  |
|  | Temporal\_Pole\_Mid\_L | - | Temporal Pole | 314 | -7.57 | -50 | 10 | -32 |
|  | Temporal\_Inf\_R | - | Inferior Temporal Gyrus, posterior division | 168 | -7.19 | 60 | -30 | -26 |
|  | Temporal\_Sup\_R | R Middle Temporal Gyrus | Middle Temporal Gyrus, posterior division | 168 | -4.09 | 66 | -10 | -10 |
|  | Frontal\_Inf\_Tri\_L | L IFG (p. Triangularis) | Inferior Frontal Gyrus, pars opercularis | 185 | -6.57 | -50 | 20 | 10 |
|  | Precentral\_R | R Precentral Gyrus | Precentral Gyrus | 206 | -6.29 | 56 | 2 | 30 |
|  | Frontal\_Sup\_2\_R | R Superior Frontal Gyrus | Superior Frontal Gyrus | 132 | -6.29 | 20 | 36 | 52 |
|  | Frontal\_Sup\_2\_R | R Middle Frontal Gyrus | Right Cerebral White Matter | 132 | -4.44 | 28 | 22 | 40 |
|  | Cingulate\_Ant\_L | L Mid Orbital Gyrus | Subcallosal Cortex | 489 | -5.67 | -4 | 32 | -8 |
|  | Cingulate\_Ant\_L | L Superior Medial Gyrus | Paracingulate Gyrus | 489 | -4.83 | 0 | 50 | 6 |
|  | Frontal\_Sup\_2\_L | L Superior Frontal Gyrus | Frontal Pole | 142 | -5.65 | -22 | 44 | 44 |
|  | Frontal\_Mid\_2\_L | L Middle Frontal Gyrus | Middle Frontal Gyrus | 142 | -4.07 | -32 | 28 | 52 |
|  |  |  |  |  |  |  |  |  |
|  | Frontal\_Inf\_Tri\_R | R IFG (p. Triangularis) | Middle Frontal Gyrus | 246 | -5.11 | 48 | 24 | 30 |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| Precuneus | Frontal\_Sup\_2\_R | R Middle Orbital Gyrus | Frontal Pole | 197 | 6.02 | 24 | 58 | -4 |
|  | Angular\_L | L Middle Temporal Gyrus | Lateral Occipital Cortex, superior division | 611 | -6.73 | -48 | -62 | 28 |
|  | Temporal\_Mid\_L | L Middle Temporal Gyrus | Left Cerebral White Matter | 611 | -6.71 | -52 | -44 | -4 |
|  | Temporal\_Sup\_L | L Superior Temporal Gyrus | Planum Temporale | 611 | -3.85 | -58 | -40 | 20 |
|  | Lingual\_L | L Lingual Gyrus | Lingual Gyrus | 230 | -5.14 | -16 | -50 | -4 |
|  | Postcentral\_L | L Postcentral Gyrus | Left Cerebral White Matter | 266 | -4.95 | -38 | -30 | 50 |
|  |  |  |  |  |  |  |  |  |
| Posterior Cingulate | Frontal\_Mid\_2\_R | R Superior Frontal Gyrus | Right Cerebral White Matter | 918 | 6.55 | 24 | 50 | 4 |
|  | Frontal\_Sup\_2\_R | R Superior Frontal Gyrus | Right Cerebral White Matter | 918 | 4.39 | 16 | 54 | 22 |
|  | Frontal\_Mid\_2\_L | L Middle Orbital Gyrus | Left Cerebral White Matter | 187 | 5.38 | -28 | 48 | -6 |
|  | ACC\_sup\_L | L ACC | Left Cerebral White Matter | 187 | 4.35 | -8 | 36 | 10 |
|  | Frontal\_Sup\_2\_L | L Superior Frontal Gyrus | Left Cerebral White Matter | 107 | 5.08 | -18 | 56 | 14 |
|  | Location not in atlas | R ACC | Right Cerebral White Matter | 186 | 4.97 | 2 | 30 | 2 |
|  | Location not in atlas | Location not in atlas | Left Cerebral White Matter | 103 | 4.90 | -26 | 34 | 10 |
|  | Cuneus\_L | L Cuneus | Left Cerebral White Matter | 829 | -6.65 | -10 | -84 | 26 |
|  | Calcarine\_R | R Lingual Gyrus | Right Cerebral White Matter | 829 | -5.93 | 20 | -76 | 4 |
|  | Occipital\_Sup\_R | R Superior Occipital Gyrus | Lateral Occipital Cortex, superior division | 829 | -5.78 | 26 | -78 | 34 |
|  | Location not in atlas | Location not in atlas | Brain-Stem | 108 | -6.21 | 0 | -20 | -12 |
|  | Location not in atlas | Location not in atlas | Left Cerebral White Matter | 122 | -5.60 | -22 | -28 | 0 |
|  | Temporal\_Mid\_L | Location not in atlas | Middle Temporal Gyrus, posterior division | 112 | -5.38 | -50 | -36 | -2 |
|  | Lingual\_R | R Cerebellum (IV-V) | Lingual Gyrus | 108 | -5.29 | 14 | -60 | -4 |
|  | Lingual\_L | L Lingual Gyrus | Left Cerebral White Matter | 150 | -5.20 | -12 | -80 | 0 |
|  | Lingual\_L | L Cerebellum (IV-V) | Lingual Gyrus | 150 | -4.64 | -8 | -56 | 2 |
|  | Lingual\_L | L Fusiform Gyrus | Lingual Gyrus | 115 | -4.89 | -20 | -52 | -8 |
|  | Postcentral\_L | L Postcentral Gyrus | Postcentral Gyrus | 118 | -4.76 | -40 | -30 | 56 |

Notes: Because of the directionality of the defined contrast (saline > midazolam), positive t-values reflect decreased connectivity under midazolam, compared to saline. Negative t-values indicate increased connectivity under midazolam, compared to saline. MNI= Montreal Neurological Institute, referring to standard-space brain atlas coordinates.