|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **x** | **y** | **z** | **Adj R2** | **F** | ***p*** | **FDR *p*** |
| L vmPFC | 6 | 40 | -22 | -0.003 | 0.629 | 0.429 | 0.378 |
| L vmPFC2 | 0 | 38 | -18 | -0.005 | 0.373 | 0.543 | 0.453 |
| L ACC | -8 | 28 | 28 | 0.003 | 1.375 | 0.243 | 0.243 |
| **L/R IFG** | **-50** | **30** | **-10** | **0.059** | **8.297** | **0.005** | **0.052** |
| **50** | **30** | **-10** |
| **L/R IFG2** | **-52** | **22** | **-2** | **0.053** | **7.600** | **0.007** | **0.052** |
| **60** | **26** | **6** |
| L IFS | -42 | 18 | 44 | 0.016 | 2.855 | 0.094 | 0.157 |
| L dmPFC | -6 | 16 | 58 | 0.021 | 3.517 | 0.063 | 0.189 |
| L dmPFC2 | 2 | 32 | 44 | 0.016 | 2.887 | 0.092 | 0.157 |
| R SFG | 18 | 24 | 58 | 0.017 | 3.083 | 0.082 | 0.157 |
| R FMS | 34 | 60 | 8 | 0.003 | 1.304 | 0.256 | 0.295 |
| L MTG | -64 | -4 | -22 | 0.012 | 2.410 | 0.123 | 0.142 |
| L/R IP | -42 | -56 | 38 | 0.012 | 2.409 | 0.123 | 0.186 |
| 50 | -58 | 42 |
| L IP1 | -46 | -66 | 36 | 0.010 | 2.219 | 0.139 | 0.184 |
| L IP3 | -38 | -60 | 30 | 0.046 | 5.617 | 0.019 | 0.079 |
| L/R aI-fO | -38 | 20 | -4 | 0.037 | 5.502 | 0.021 | 0.079 |
| 46 | 14 | 0 |

Table S2. Excitability intercept predicts BOLD activity during a cognitive emotion regulation task at T9 (age 10-16, mean 13.2 years). MLM excitability intercept predicted BOLD activity during regulation in predefined regions of interest from a meta-analysis of emotion regulation regions (Diekhof etc al.).

L = left, R = right, L/R = mean of bilateral regions; vmPFC = ventromedial prefrontal cortex, ACC = anterior cingulate cortex, IFG = inferior frontal gyrus, IFS = inferior frontal sulcus, dmPFC = dorsalmedial prefrontal cortex, FMS = frontomarginal sulcus, MTG = middle temporal gyrus, IP = intraparietal cortex, aI-fO = anterior insula frontal operculum