**Table S4.** Brain activations elicited by painful vs. neutral expressions across the Revenge and Control groups.

|  |  |  |  |
| --- | --- | --- | --- |
| Region | ClusterSize | MNI Coordinates | PeakZ |
| x | y | z |
| All targets |  |  |  |  |  |  |
| mPFC/anterior cingulate | 1007 | 6 | 53 | 34 | 6.49 |
| left MTC | 693 | -57 | -55 | 4 | 5.83 |
| left occipital cortex |  | -42 | -88 | 4 | 5.01 |
| left TPJ |  | -63 | -43 | 34 | 4.99 |
| right MTC | 879 | 54 | -31 | -5 | 5.75 |
| right TP |  | 54 | 2 | -26 | 4.87 |
| right occipital cortex |  | 36 | -94 | 1 | 4.80 |
| left IFG/AI | 298 | -39 | 29 | -17 | 5.65 |
| right IFG/AI | 388 | 45 | 32 | -5 | 5.45 |
| Precuneus | 116 | -9 | -49 | 34 | 4.23 |
| Ingroup targets |  |  |  |  |
| left IFG/AI | 328 | -42 | 29 | -14 | 6.66 |
| right MTC | 824 | 54 | -28 | -8 | 6.41 |
| right occipital cortex |  | 36 | -73 | -14 | 4.01 |
| mPFC | 682 | 6 | 53 | 34 | 6.13 |
| right IFG/AI | 270 | 48 | 29 | -5 | 5.68 |
| left MTC | 799 | -60 | -61 | 16 | 5.50 |
| left TPJ |  | -60 | -52 | 34 | 5.08 |
| left occipital cortex |  | -45 | -85 | 1 | 5.01 |
| MCC | 130 | -3 | -10 | 37 | 4.96 |
| Outgroup targets |  |  |  |  |
| mPFC | 499 | -6 | 56 | 25 | 4.59 |
| mPFC: media prefrontal cortex; MTC: middle temporal cortex ; TPJ: temporoparietal conjunction; TP: temporal pole; AI/IFG: anterior insula/inferior frontal gyrus; MCC: middle cingulate cortex. Brain activations in response to painful vs. neutral expressions were identified by combining a voxel-level threshold of p < .001 and a cluster-level threshold of p < .05, FWE corrected. |