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| **Table S4. Local maxima of activation clusters (MNI stereotactic coordinates) for the Mentalizing task (PHYS-Only condition > Control condition).** |
| Cluster size | Hemisphere | Brain region | Peak coordinates | *t*-value |
| *x* | *y* | *z* |
| 274 | Left | Lateral occipitotemporal cortex | -50 | -62 | 4 | 10.27 |
|  |  | Lateral occipitotemporal cortex | -54 | -66 | -5 | 8.91 |
|  |  | Lateral occipitotemporal cortex | -45 | -69 | -1 | 8.75 |
| 133 | Left | Supramarginal gyrus (PF) | -59 | -25 | 34 | 8.44 |
|  |  | Supramarginal gyrus (PF) | -57 | -34 | 41 | 7.97 |
|  |  | Supramarginal gyrus (PF) | -52 | -37 | 34 | 7.90 |
| 267 | Right | Lateral occipitotemporal cortex | 46 | -60 | -3 | 9.97 |
|  |  | Lateral occipitotemporal cortex | 51 | -53 | -1 | 8.22 |
|  |  | Lateral occipitotemporal cortex | 49 | -64 | 6 | 6.63 |
| 138 | Right | Supramarginal gyrus | 60 | -28 | 48 | 7.96 |
|  |  | Supramarginal gyrus | 58 | -23 | 34 | 7.62 |
|  |  | Supramarginal gyrus | 51 | -32 | 50 | 6.70 |
| These results are also illustrated in Figure 2D. PF, parietal area F. |