Supplementary Material

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| Supplementary Material 1. Brain regions showing higher activation in the within-group GO > NOGO-correct contrast.  |
| Regions | L/R | MNI coordinates | Z value | Clustersize (mm3) |
| X | Y | Z |
|  HC |  |  |  |  |  |  |
|  Postcentral Gyrus | L | −46 | −28 | 50 | 5.05 | 1792 |
|  Postcentral Gyrus | R | 58 | −20 | 34 | 4.36 | 596 |
|  Precentral Gyrus | R | 62 | 4 | 26 | 4.01 | 52 |
|  Precentral Gyrus | L | −54 | 0 | 22 | 4.00 | 204 |
|  Lingual Gyrus | R | 10 | −56 | −14 | 3.76 | 144 |
|  Thalamus Proper | L | −18 | −28 | 6 | 3.70 | 48 |
|  Lingual Gyrus | L | −14 | −68 | −18 | 3.43 | 32 |
|  AN |  |  |  |  |  |  |
|  Precentral Gyrus | L | −34 | −16 | 50 | 4.86 | 1776 |
|  Middle frontal Gyrus | L | −22 | 12 | 34 | 3.88 | 44 |
|  Postcentral Gyrus | R | 58 | −12 | 14 | 3.83 | 28 |
|  Precentral Gyrus | R | 62 | 4 | 26 | 3.66 | 28 |
|  Superior Frontal Gyrus | L | −6 | 0 | 58 | 3.63 | 24 |
|  Postcentral Gyrus | R | 54 | −24 | 42 | 3.37 | 32 |
| Regions satisfying *P* < 0.001 at voxel level and a cluster size of k > 5 are shown. |