**Supplementary Table 1.** Group comparisons of striatal functional connectivity between OCD patients and HCs before the Bonferroni correction

| Seed | Brain region | Cluster size (voxels) | Connectivity strength | FDR–corrected p | MNI coordinates (mm) |
|------|--------------|-----------------------|-----------------------|----------------|---------------------|
|      |              |                       | HC       | OCD     |                   | x    | y    | z    |
| Dorsal caudate (right) | OCD > HC Subcallosal/orbitofrontal cortex | 141       | -0.05   | 0.10    | 0.042              | -6   | 32   | -28  |
| Dorsal caudate (left)  | OCD > HC Left angular gyrus | 145       | -0.90   | 0.04    | 0.036              | -58  | -58  | 38   |
| Dorsal caudal putamen (left) | OCD > HC Right intracalcarine cortex | 341       | -0.10   | 0.04    | <0.001             | 2    | -76  | 4    |
|       |              |                       | HC       | OCD     |                   | -2   | -78  | 32   |
|       |              | Left cuneal cortex    | 119      | -0.09   | 0.04              | 0.028 |       |
|       |              | Left putamen          | 192      | 0.26    | 0.11             | 0.004 | -28   | 4    | 4    |
|       |              | Right putamen         | 125      | 0.34    | 0.20             | 0.027 | 28    | 2    | 6    |
| Ventral rostral putamen (right) | OCD > HC Right inferior frontal gyrus | 231       | -0.02   | 0.11    | 0.002             | 56   | 18   | -6   |
|       |              | Left supramarginal gyrus | 220     | -0.05   | 0.08             | 0.002 | -52   | -42  | 32   |
|       |              | Right postcentral gyrus | 187     | -0.02   | 0.12             | 0.004 | 60    | -14  | 22   |
|       |              | Right supramarginal/angular gyrus | 160 | -0.05   | 0.09             | 0.004 | 68    | -40  | 28   |
|       |              | Left temporal pole     | 106      | -0.02   | 0.13             | 0.049 | -54   | 14   | -2   |

FDR: false discovery rate, MNI: Montreal Neurological Institute, OCD: obsessive-compulsive disorder, HCs: healthy controls