Supplementary table 1:

VEP regions are merged from the multiple Detrieux regions

|  |  |
| --- | --- |
| **VEP Regions** | Detrieux Regions |
| Frontal-pole | G\_and\_S\_frontomargin  G\_and\_S\_transv\_frontopol |
| Orbito-frontal-cortex | G\_orbital,  S\_orbital\_lateral  S\_orbital-H\_Shaped |
| Gyrus-rectus | G\_rectus  S\_suborbital  S\_orbital\_med-olfact |
| F3-Pars-Orbitalis | G\_front\_inf-Orbital  Lat\_Fis-ant-Horizont |
| F3-Pars-triangularis | G\_front\_inf-Triangul  Lat\_Fis-ant-Vertical |
| Gyrus-of-Heschl | G\_temp\_sup-G\_T\_transv  S\_temporal\_transverse |
| T1-planum-temporale | Lat\_Fis-post  G\_temp\_sup-Plan\_tempo |
| O1 | G\_occipital  S\_oc\_sup\_and\_transversal |
| Precuneus | G\_precuneus  S\_subparietal |
| O2 | G\_occipital\_middle  S\_oc\_middle\_and\_Lunatus |

Supplementary table 2:

Multiple VEP regions are split from one Detrieux region

|  |  |
| --- | --- |
| **VEP Regions** | Detrieux Regions |
| F1-mesial-prefrontal  PreSMA  SMA  F1-lateral-premotor  F1-lateral-prefrontal | G\_front\_sup |
| Precentral-gyrus-head-face  Precentral-gyrus-upper-limb | G\_precentral |
| Central-sulcus-head-face  Central-sulcus-upper-limb | S\_central |
| F2-rostral  F2-caudal | G\_front\_middle |
| SFS-rostral  SFS-caudal | S\_front\_sup |
| Central-operculum  Parietal-operculum | G\_and\_S\_subcentral |
| T1-lateral-anterior  T1-lateral-posterior | G\_temp\_sup-Lateral |
| STS-anterior  STS-posterior | S\_temporal\_sup |
| ITS-anterior  ITS-posterior | S\_temporal\_inf |
| T2-anterior  T2-posterior | G\_temporal\_middle |
| T3-anterior  T3-posterior | G\_temporal\_inf |
| Hippocampus-anterior  Hippocampus-posterior | Hippocampus |

Supplementary table 3

VEP regions are obtained by first split and then merged from Detrieux regions

|  |  |  |  |
| --- | --- | --- | --- |
| Collateral-sulcus | posterior | | S\_oc-temp\_med\_and\_Lingual |
| Lingual-sulcus | anterior | |
|  | | S\_collat\_transv\_post |
| Parahippocampal-cortex | anterior | | G\_oc-temp\_med-Parahip |
| Rhinal-cortex | posterior | |
| posterior | | S\_collat\_transv\_ant |
| Occipito-temporal-sulcus | anterior | |
|  | | S\_oc-temp\_lat |
| Supramarginal-anterior | posterior | | G\_pariet\_inf-Supramar |
| Supramarginal-posterior | anterior | |
|  | | S\_interm\_prim-Jensen |
| Insula-gyri-brevi |  | | S\_circular\_insula\_ant |
| G\_insular\_short | | S\_circular\_insula\_sup |
| Insula-gyri-longi | Ins\_lg\_and\_S\_cent\_ins | |
|  | | S\_circular\_insula\_inf |
| Anterior-cingulate-cortex | Part1 | S\_pericallosal | G\_and\_S\_cingul-Ant |
| Middle-cingulate-cortex-anterior-part | Part2 | G\_and\_S\_cingul-Mid-Ant |
| Middle-cingulate-cortex-posterior-part | Part3 | G\_and\_S\_cingul-Mid-Post |
| Posterior-cingulate-cortex-dorsal | Part4 | G\_cingul-Post-dorsal |
| Posterior-cingulate-cortex-retrosplenial-gyrus | Part5 | G\_cingul-Post-ventral |