**Supplementary File 1: Cortical resection samples supplementary information.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| sample | age [y] | sex | pathology | region | site |
| 1 | 47 | m | epilepsy | temporal | right |
| 2 | 59 | m | tumor | frontal | right |
| 3 | 56 | m | tumor | frontal | left |
| 4 | 70 | f | tumor | temporal | left |
| 5\* | 55 | m | tumor | temporal | right |
| 6 | 55 | m | tumor | frontal | right |
| 7 | 52 | m | tumor | frontal | left |
| 8\*\* | 58 | m | tumor | temporal | left |
| summary | Ø = 56.5 years | m:7 / f:1 | e:1 / t:7 | temp.:4 / front.:4 | r:4 / l:4 |

\*Sample 5 has been used for anisomycin experiments only.

\*\*Sample 8 has been used for immunogold labeling experiments only.