|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table S1.** Inter-decedentand brain regionvariation in total α-tocopherol and stereoisomer profile for decedents with samples from frontal cortex (FC), hippocampus (HPC), and visual cortex (VC) | | | | | | | | | | |
|  | Brain Region | |  | | -Tocopherol Concentration (g/g) | | | | | |
| Decedent | Total | | RRR | | RRS | RSR | RSS | 2S |
| 1 | | FC | 14.0 | 10.0 | | 1.4 | | 1.5 | 0.8 | 0.3 |
|  | | HPC | 17.1 | 11.2 | | 2.4 | | 1.6 | 1.5 | 0.5 |
|  | | VC | 13.8 | 9.4 | | 1.8 | | 1.7 | 0.7 | 0.2 |
| 2 | | FC | 11.0 | 8.4 | | 1.1 | | 0.8 | 0.5 | 0.1 |
|  | | HPC | 10.2 | 7.7 | | 1.1 | | 0.8 | 0.5 | 0.1 |
|  | | VC | 8.0 | 5.8 | | 1.0 | | 0.6 | 0.6 | 0.1 |
| 3 | | FC | 10.3 | 8.2 | | 0.9 | | 0.6 | 0.3 | 0.3 |
|  | | HPC | 7.5 | 5.7 | | 0.8 | | 0.4 | 0.3 | 0.3 |
|  | | VC | 6.8 | 5.0 | | 1.0 | | 0.4 | 0.2 | 0.2 |
| 4 | | FC | 9.7 | 6.5 | | 1.2 | | 0.8 | 0.9 | 0.3 |
|  | | HPC | 2.7 | 2.0 | | 0.3 | | 0.3 | 0.1 | 0.0 |
|  | | VC | 8.2 | 5.4 | | 1.1 | | 0.7 | 0.7 | 0.2 |
| 5 | | FC | 9.5 | 4.5 | | 1.7 | | 1.4 | 1.3 | 0.5 |
|  | | HPC | 12.1 | 5.9 | | 2.5 | | 1.5 | 1.5 | 0.7 |
|  | | VC | 11.8 | 5.8 | | 2.4 | | 1.5 | 1.4 | 0.7 |
| 6 | | FC | 8.8 | 5.9 | | 1.1 | | 0.9 | 0.6 | 0.3 |
|  | | HPC | 10.8 | 7.4 | | 1.3 | | 1.3 | 0.5 | 0.3 |
|  | | VC | 9.4 | 6.0 | | 1.4 | | 0.8 | 0.9 | 0.3 |
| 7 | | FC | 8.5 | 5.5 | | 1.3 | | 0.8 | 0.6 | 0.3 |
|  | | HPC | 10.0 | 6.4 | | 1.7 | | 1.3 | 0.5 | 0.1 |
|  | | VC | 5.6 | 3.3 | | 1.2 | | 0.8 | 0.2 | 0.2 |
| 8 | | FC | 7.8 | 5.5 | | 0.9 | | 0.6 | 0.6 | 0.2 |
|  | | HPC | 9.6 | 6.8 | | 1.2 | | 0.7 | 0.7 | 0.2 |
|  | | VC | 11.1 | 7.6 | | 1.4 | | 0.9 | 1.0 | 0.3 |
| 9 | | FC | 7.6 | 6.4 | | 0.7 | | 0.2 | 0.2 | 0.1 |
|  | | HPC | 9.8 | 8.0 | | 1.0 | | 0.4 | 0.2 | 0.0 |
|  | | VC | 7.8 | 6.4 | | 0.8 | | 0.3 | 0.2 | 0.1 |
|  | |  |  |  | |  | | (Continued) | | |
|  | |  |  |  | |  | |
|  | |  |  |  | |  | |  |  |  |
| (Continued)  **Table S1.** Inter-decedentand brain regionvariation in total α-tocopherol and stereoisomer profile for decedents with samples from frontal cortex (FC), hippocampus (HPC), and visual cortex (VC) | | | | | | | | | | |
|  | | | | | | | | | | |
|  | | Brain  Region | -Tocopherol Concentration (g/g) | | | | | | | |
| Decedent | | Total | RRR | | RRS | | RSR | RSS | 2S |
| 10 | | FC | 6.9 | 4.3 | | 0.9 | | 0.7 | 0.7 | 0.3 |
|  | | HPC | 9.6 | 6.4 | | 1.2 | | 0.8 | 0.9 | 0.4 |
|  | | VC | 7.6 | 4.8 | | 1.1 | | 0.8 | 0.7 | 0.3 |
| 11 | | FC | 6.8 | 3.6 | | 1.1 | | 0.9 | 0.9 | 0.3 |
|  | | HPC | 9.2 | 5.1 | | 1.6 | | 1.1 | 1.2 | 0.3 |
|  | | VC | 7.9 | 4.5 | | 1.3 | | 1.0 | 0.9 | 0.2 |
| 12 | | FC | 6.7 | 5.5 | | 0.8 | | 0.2 | 0.2 | 0.0 |
|  | | HPC | 6.5 | 6.5 | | 0.0 | | 0.0 | 0.0 | 0.0 |
|  | | VC | 6.3 | 5.0 | | 0.8 | | 0.3 | 0.2 | 0.0 |
| 13 | | FC | 5.4 | 3.1 | | 1.1 | | 0.7 | 0.5 | 0.1 |
|  | | HPC | 6.0 | 6.0 | | 1.6 | | 1.2 | 0.9 | 0.1 |
|  | | VC | 12.2 | 7.5 | | 1.9 | | 1.4 | 1.2 | 0.3 |
| 14 | | FC | 4.8 | 3.9 | | 0.4 | | 0.2 | 0.2 | 0.1 |
|  | | HPC | 6.1 | 4.8 | | 0.7 | | 0.3 | 0.3 | 0.1 |
|  | | VC | 4.3 | 3.4 | | 0.4 | | 0.2 | 0.2 | 0.1 |
|  | | **Median** |  | **5.8** | | **1.1** | | **0.8** | **0.6** | **0.2** |