**Table 1 - Table Supplement - 2 Summary of Posterior distributions (RLDDM model fitted to whole task)**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Parameter** | **Healthy controls** | | | **Contrast (OFF-DBS)** | | | | **Contrast (ON-DBS)** |
| ***mean*** | **HDI** | | ***mean*** | **HDI** | |  | ***mean* HDI** |
| Boundary Separation | 1.76 | 1.70 | 2.18 | -0.16 | -0.45 | 0.11 |  | -0.03 -0.26 0.25 |
| Drift rate Scaling | 2.76 | 2.23 | 3.31 | **-1.67\*** | **-2.93** | **-0.71** |  | -0.81 -2.02 0.69 |
| Learning rate + | -0.63 | -1.81 | 0.88 | 0.22 | -0.91 | 1.39 |  | -0.99 -2.59 0.80 |
| Learning rate - | -1.68 | -2.25 | -0.95 | **1.32\*** | **0.26** | **2.5** |  | 0.93 -0.05 2.12 |