|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | | **Beta value** | | | | |
| **Cg** | **RS** | **mPFC** | **LHb** | **IPN / VTA** |
| **Change of average speed (DBS/non-DBS)** | **Pearson correlation coefficient (*r*)** | **6.5 e-4** | **0.30** | **0.34** | **-0.04** |  |
| ***p*** | **0.99** | **0.21** | **0.15** | **0.87** |  |
| **Number of entries into center** | **Pearson correlation coefficient (*r*)** | **-0.18** | **0.28** | **0.18** | **-0.24** | **0.11** |
| ***p*** | **0.45** | **0.25** | **0.46** | **0.33** | **0.66** |
| **Distance traveled in the center (cm)** | **Pearson correlation coefficient (*r*)** | **-0.09** | **0.35** | **0.17** | **-0.22** | **0.11** |
| ***p*** | **0.72** | **0.15** | **0.49** | **0.36** | **0.65** |