Supplementary file 2

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| **Receptor** | **BRAIN** **REGION** | **HdhQ7 /Q7****Bmax (fmol/mg protein)** | **HdhQ7 /Q7****KD (nM)** | **HdhQ7/ Q111** **Bmax (fmol/mg protein)** | **HdhQ7/ Q111** **KD (nM)** |
|  | **Striatum** | 193 ± 6 | 0.27 ± 0.03 | 155 ± 6 | 0.26 ± 0.03 |
| **H3R** | **Cortex** | 146 ± 4 | 0.22 ± 0.02 | 152 ± 8 | 0.24 ± 0.04 |
|  | **Hippocampus** | 92 ± 1 | 0.20 ± 0.01 | 88 ± 3 | 0.37 ± 0.1 |
|  | **Striatum** | 1088 ± 50 | 0.17 ± 0.02 | 529 ± 32 | 0.11 ± 0.01 |
| **D1R** | **Cortex** | 99 ± 5 | 0.05 ± 0.01 | 73 ± 4 | 0. 01 ± 0.01 |
|  | **Hippocampus** | 257 ± 10 | 0.03 ± 0.02 | 187 ± 19 | 0.09 ± 0.07 |