

## Supplementary Information

### Brain iron deficiency changes the stoichiometry of adenosine receptor subtypes in corticostriatal terminals. Implications for Restless Legs Syndrome

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**Table S1. Data and statistics for Figure 2**

Animal #	A <sub>1</sub> R CTRL	A <sub>1</sub> R BID	A <sub>2A</sub> R CTRL	A <sub>2A</sub> R BID	A <sub>1</sub> R/A <sub>2A</sub> R CTRL	A <sub>1</sub> R/A <sub>2A</sub> R BID
1	58.5	66.4	4.42	15.0	13.2	4.42
2	85.8	67.2	6.63	8.49	13.0	7.92
3	48.7	52.2	3.14	15.4	15.5	3.39
4	61.0	53.6	2.57	5.66	23.7	9.48
5	31.2	64.3	1.79	20.9	17.4	3.08
6	47.6	22.4	18.2	5.10	2.62	4.40
7	68.3	36.0	17.2	5.24	3.97	6.88
8	83.2	40.7	15.2	6.48	5.46	6.28
9		36.7		6.46		5.69
10		66.9		20.5		3.26
11		39.1		14.7		2.67
<b>mean</b>	<b>60.54</b>	<b>49.60</b>	<b>8.65</b>	<b>11.26</b>	<b>11.85</b>	<b>5.22</b>
<b>S.E.M.</b>	<b>6.53</b>	<b>4.68</b>	<b>2.48</b>	<b>1.86</b>	<b>2.59</b>	<b>0.67</b>

#### Statistics for A<sub>1</sub>R comparison

Unpaired t test	
P value	0.1787
P value summary	ns
Significantly different (P < 0.05)?	No
One- or two-tailed P value?	Two-tailed
t, df	t=1.403, df=17
How big is the difference?	
Mean of column A	60.54
Mean of column B	49.60
Difference between means (A - B) ± SEM	10.94 ± 7.802
95% confidence interval	-5.516 to 27.41
R squared (eta squared)	0.1037
F test to compare variances	
F, DFn, Dfd	1.416, 7, 10
P value	0.5962
P value summary	ns
Significantly different (P < 0.05)?	No
Data analyzed	
Sample size, column A	8
Sample size, column B	11

#### Statistics for A<sub>2A</sub>R comparison

Unpaired t test	
P value	0.4017
P value summary	ns
Significantly different (P < 0.05)?	No
One- or two-tailed P value?	Two-tailed
t, df	t=0.8601, df=17
How big is the difference?	
Mean of column D	8.651
Mean of column E	11.26
Difference between means (D - E) ± SEM	-2.607 ± 3.032
95% confidence interval	-9.004 to 3.789
R squared (eta squared)	0.04170
F test to compare variances	
F, DFn, Dfd	1.296, 7, 10
P value	0.6852
P value summary	ns
Significantly different (P < 0.05)?	No
Data analyzed	
Sample size, column D	8
Sample size, column E	11

#### Statistics for A<sub>1</sub>R/A<sub>2A</sub>R comp.

Unpaired t test with Welch's correction	
P value	0.0385
P value summary	*
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
Welch-corrected t, df	t=2.478, df=7.937
How big is the difference?	
Mean of column G	11.85
Mean of column H	5.224
Difference between means (G - H) ± SEM	6.630 ± 2.676
95% confidence interval	0.4508 to 12.81
R squared (eta squared)	0.4361
F test to compare variances	
F, DFn, Dfd	10.94, 7, 10
P value	0.0011
P value summary	**
Significantly different (P < 0.05)?	Yes
Data analyzed	
Sample size, column G	8
Sample size, column H	11