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CORRECTION

Correction to: Overexpression of Protein Kinase Inhibitor Alpha Reverses Rat Low Voluntary Running Behavior

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The original version of this article unfortunately contained mistake in Table 2 to where two directionality arrows were inverted.

With this, the authors hereby publiche the corrected Table 2.

The online version of the original article can be found at https://doi.org/10.1007/s12035-018-1171-0

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Table 2 Opposite directional changes in various parameters that were measured between low voluntary runners (LVR) and wild-type (WT) groups of rats. Up, horizontal, and down arrows indicate increase, no change, and decrease, respectively. From baseline. (**A**) Overexpression means rats previously had similar injection dosages of the rat PKIA gene into LVR and WT nucleus accumbens (NAc). Items 2–6 were measured in in tissue punches quickly frozen in liquid nitrogen. (**B**) Items 7–9 were determined in LVR and WT NAc in response to incubation of their NAc slices with 20 μm of the dopamine receptor 1 agonist SKF-38393, in either non-transfected slices or in those following PKIα overexpression. (* denotes trending directional change)

(A) Wheel-running and molecular response to PKIα overexpression in LVR vs WT rats

Determination	LVR Overexpression	WT Overexpression
1. Voluntary running distance	↑	→
2. Total PKIα mRNA	↑	→
3. Endogenous PKIα mRNA	→	↓
4. NAc Drd1 receptor mRNA	→	↓
5. NAc Drd2 receptor mRNA	→	↓
6. NAc Fos mRNA	→	↓

(B) Effect of SKF-38393 on IEG expression: Non-transfected and PKIα overexpression in LVR vs WT rats

Determination	LVR non-transfected	WT non-transfected	LVR overexpression	WT overexpression
7. NAc Homer1 mRNA	↑	↓	↓	→
8. NAc Zif268	↑	↓	↓*	→
9. NAc Arc mRNA	↑	↓	→	→