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# Correction: Transcriptomics and proteomics analyses of the PACAP38 influenced ischemic brain in permanent middle cerebral artery occlusion model mice 

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The Figure Two (Figure 1 here), X -axis description of each sample was inverted in the original publication [1].
With reference to corrected Figure Two (Figure 1 here), we have the following revised text.
On Page 9, left column: lines 19-24 should read as -
"Similarly, Il6, S100a5, Il22, Il1b, Igf1, and Ccl2 were highly expressed at 6 h in the PACAP-treated ischemic brain, whereas their expression level decreased at 24 h compared to the PMCAO effect alone (Figure Two (Figure 1 here)). Fgf21, Pitpnc1, and Epha3 genes showed an increase in expression at 24 h over PMCAO alone (Figure Two (Figure 1 here))."

On Page 11, right column: lines 16-19 should read as -
"In the ischemic hemisphere at 24 h , the PACAP plus PMCAO expression level of $I l 6$ was also reduced compared to the PMCAO plus saline control."

We regret any inconvenience that this inaccuracy in Figure Two (Figure 1 here) and therein the figure legend, which could not be properly corrected at the proof stage, in the originally published manuscript might have caused.

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Figure 1 The mRNA expression profiles of differentially expressed genes. Both the upregulated ( $\mathbf{A}$ ) and downregulated (B) genes were selected randomly. Gel images on top show the polymerase chain reaction (PCR) product bands stained with ethidium bromide; the band intensities are also presented graphically below for clarity. Lane numbers 1 to 8 indicate sham control (lanes 1, 2, 5, and 6) and permanent middle cerebral artery occlusion (PMCAO) treatment (lanes 3, 4, 7, and 8), respectively. P indicates pituitary adenylate cyclase-activating polypeptide (PACAP) treatment; C is the control (minus PACAP). GAPDH and beta-actin genes were used a positive control (C). Semi-quantitative RT-PCR was performed as described in Methods, and the specific 3'-UTR primers are detailed in Additional file 2: Table S2.

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## References

1. Hori M, Nakamachi T, Rakwal R, Shibato J, Ogawa T, Aiuchi T, Tsuruyama T, Tamaki K, Shioda S: Transcriptomics and proteomics analyses of the PACAP38 influenced ischemic brain in permanent middle cerebral artery occlusion model mice. J Neuroinflammation 2012, 9:256.
[^1]
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