



Correction to: Dietary obesity and glycemic excursions cause a parallel increase in STEAP4 and pro-inflammatory gene expression in murine PBMCs

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The original article was updated.

In the original publication of the article, figures D1 and D2 were missed in Fig. 7. The correct Fig. 7 is provided below.

The original article can be found online at <https://doi.org/10.1007/s13340-021-00542-1>.

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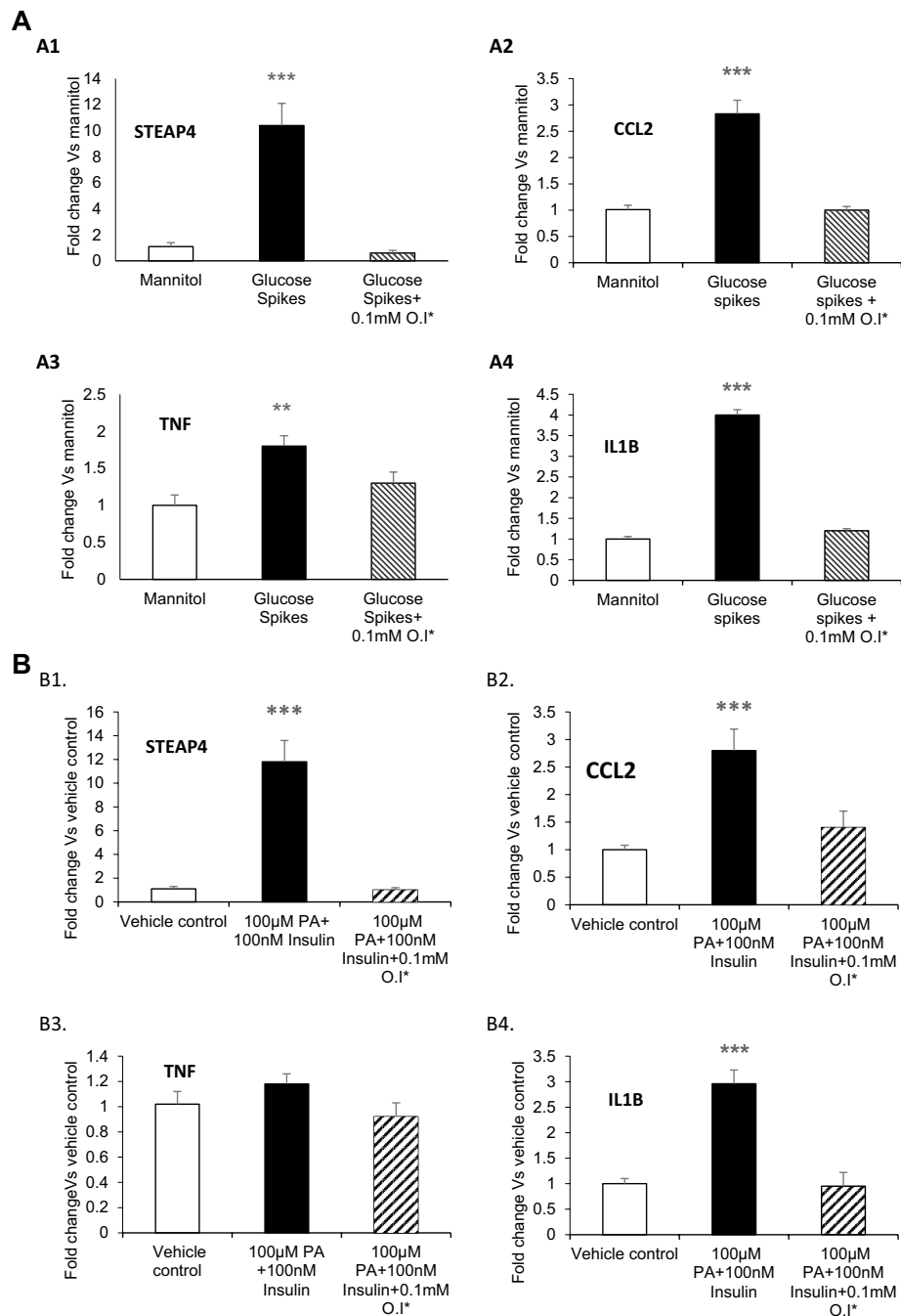


Fig. 7 **A** The mRNA expression of (**a1**) STEAP4 (**a2**) CCL2 (**a3**) TNF and (**a4**) IL1B after 72 hours exposure of RAW 264.7 cells to either 8/16 hours repetitive cycles of mannitol osmolar fluctuations (control group) glucose fluctuations or 0.1mM of 4-octyl itaconate at every peak of glucose fluctuation (RT-qPCR) Data expressed as a fold change normalized to GAPDH Values are Means \pm SEM ($n=5-5-5$) ** $p < 0.01$ *** $p < 0.001$ against the mannitol osmolarity-control group O.I* stands for 4-octyl itaconate. **B** The mRNA expression of (**b1**) STEAP4 (**b2**) CCL2 (**b3**) TNF and (**b4**) IL1B after 24 hours exposure of RAW 264.7 cells to either a vehicle control (BSA) a combination of 100μM palmitic acid and 100nM Insulin or a combination of 100μM palmitic acid and 100nM Insulin and 0.1mM of 4-octyl itaconate (RT-qPCR) Data expressed as a fold change normalized to GAPDH Values are Means \pm SEM ($n=5-5-5$) ** $p < 0.001$ against the vehicle-control group O.I* stands for 4-octyl itaconate. **C** The effect of (**c1**) PDTC an inhibitor of

NF- κ B activation on glucose spikes-induced STEAP4 mRNA expression in RAW 264.7 cells (**c2**) SB203580 a p38 MAPK inhibitor on glucose spikes-induced STEAP4 mRNA expression in RAW 264.7 cells (**c3**) PDTC an inhibitor of NF- κ B activation on persistent high-glucose induced STEAP4 mRNA expression in RAW 264.7 cells (**c4**) SB203580 a p38 MAPK inhibitor on persistent high-glucose induced STEAP4 mRNA expression in RAW 264.7 cells Data expressed as a fold change normalized to GAPDH Values are Means \pm SEM ($n=5-5-5$) *** $p < 0.001$ ** $p < 0.01$ * $p < 0.05$ NS means not statistically significant. **D** The effect of (**d1**) PDTC an inhibitor of NF- κ B activation on palmitic acid-high insulin-induced STEAP4 mRNA expression in RAW 264.7 cells (**d2**) SB203580 a p38 MAPK inhibitor on palmitic acid high insulin-induced STEAP4 mRNA expression in RAW 264.7 cells Data expressed as a fold change normalized to GAPDH Values are Means \pm SEM ($n=5-5-5$) *** $p < 0.001$ ** $p < 0.01$

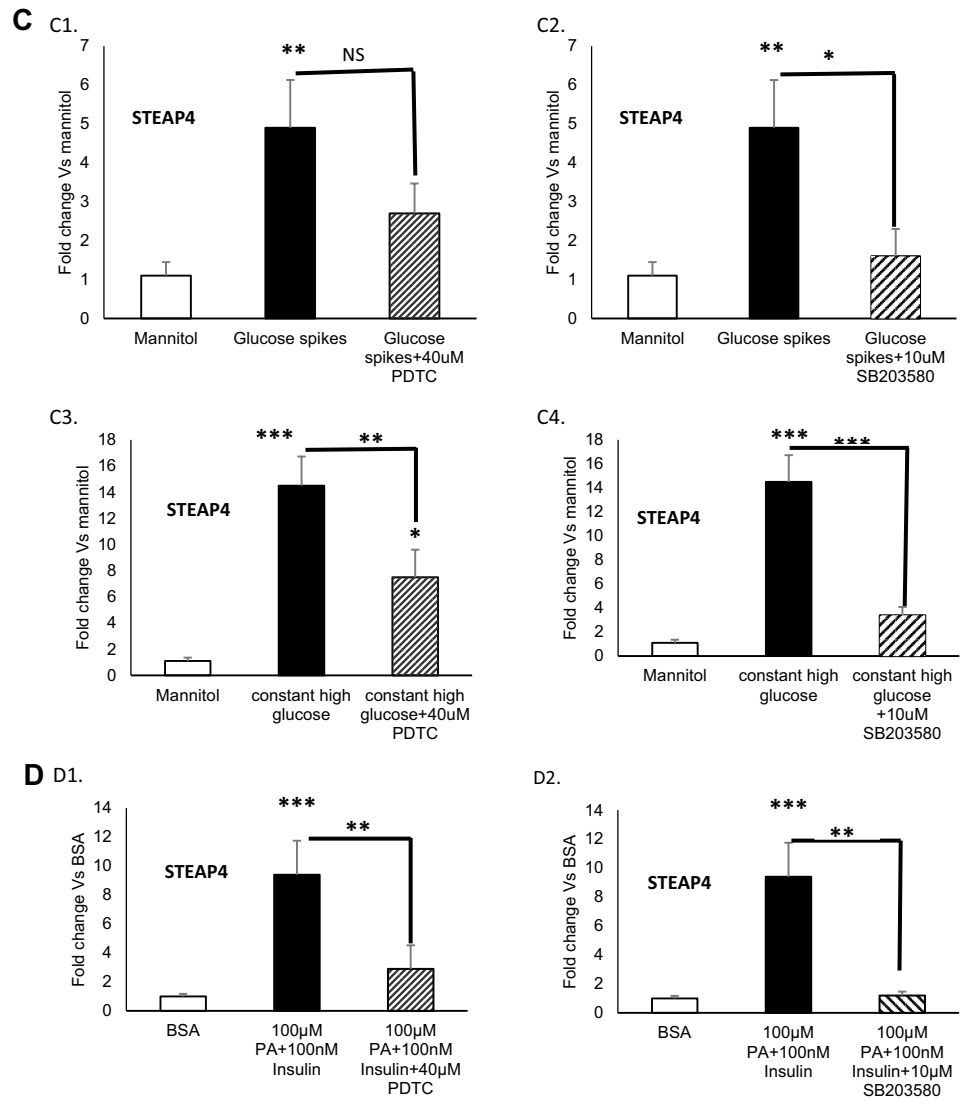


Fig. 7 (continued)

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