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CORRIGENDUM

Combination of inflammation-related cytokines promotes long-term muscle stem cell expansion

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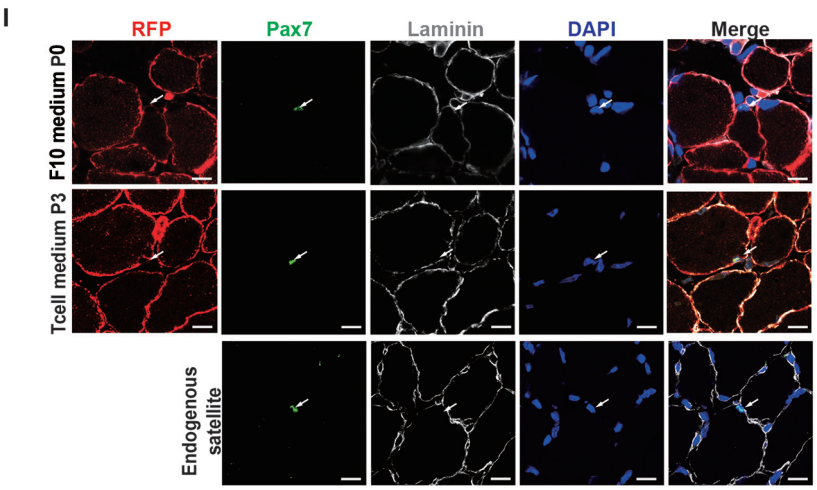
In the initial published version of this article, there was an error in the labeling of Figure 2I. Figure 2I displays representative images of RFP/Pax7/Laminin/DAPI staining of muscle tissues after transplantation of MuSCs cultured in either F10 medium or T cell conditional medium. The top panel in Figure 2I was previously labeled as "T cell medium P0". The correct labeling should be "F10 medium P0". We performed transplantation experiments using MuSCs cultured in F10 medium, T cell conditional medium, or medium supplemented with IL1α, IL13, IFNγ and TNFα in a side-by-side manner to allow direct comparison of the engraftment efficiency. The same set of data was divided into two parts as shown in Figure 2I and Figure 5E to



show the post-transplantation localization of MuSCs that had been previously cultured in T cell medium and medium supplemented with cytokines, respectively. As data in Figure 2I and Figure 5E are from the same set of experiments, the same control using "F10 medium P0" cells was displayed. We apologize for the wrong labeling in the previous Figure 2I. The corrected Figure 2I with right labels is provided. This correction does not affect the description of the results in the paper or the conclusions of our study.

Similarly, experiments shown in Figure 2G, 2H and Figure 5C, 5D were performed in a side-by-side manner to gain direct comparison of the engraftment efficiency of MuSCs cultured in T cell medium or medium supplemented with IL1α, IL13, IFNγ and TNFα. Because the presented data are from the same set of experiments, they share the same controls. Representative images were shown in Figure 2G and Figure 5C. We have clearly explained the common controls shared by Figure 2G and Figure 5C in the legend of Figure 5C. Figure 2H and Figure 5D showed the quantitative results of these experiments. To avoid any misunderstanding, we now add sentences to the legend of Figure 5D to explain why the part shown in Figure 2H was shown again in Figure 5D. The modified legend of Figure 5D is provided below. This clarification does not affect the description of the results in the paper or the conclusions of our study. We wish to thank the reader who brought these issues to our attention. We also deeply apologize for any inconvenience that may have been caused.

Figure 5 (D) Statistical analysis of the engraftment efficiency indicated by the number of RFP-expressing myofibers generated from freshly isolated MuSCs and MuSCs expanded in F10 medium, T cell conditional medium or cytokine medium. “Freshly isolated”, “P0 in F10”, “P1 in F10”, “myoblast”, and “T cell medium” were the same as those in **Figure 2H** to allow direct comparison of the engraftment efficiency of MuSCs expanded in cytokine medium and those in T cell medium. All transplantation experiments were performed at the same time to allow direct comparison with each other. Error bars are based on 4 independent experiments.