

1. Thank you for your kind comments. We have rechecked the original literature and also searched for more researches, but no data about the surface marker was described to clarify different cells in the outer peripheral and interior of the clone. Instead, we further described the different gene expression in these two areas in the revised manuscript.

“For instance, Cells located in the outer periphery of clone express higher levels of genes (MKI67, PODXL) related to cell proliferation while extracellular matrix genes (VCAM1) tend to be higher in interior MSCs”

2. We have revised the language of the whole manuscript by editors from AJE.

3. We have added the funding information in the revised text.

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