

1 **Supporting Information.**

2 **Supplementary Figure 1.** Schematic timeline of early and late myogenic differentiation  
3 assessments in C2C12 myoblasts. (A) early myogenic differentiation and (B) late myogenic  
4 differentiation. (C) PMSC differentiation assessment.

5 **Supplementary Figure 2.** Multiple sequence alignment of FGFR1 proteins from *Homo sapiens*  
6 (P11362), *Mus musculus* (P16092), and *Sus scrofa* (K7GQJ1), retrieved from UniProt. Amino acid  
7 sequences were aligned using Clustal Omega. Identical residues are indicated by shaded regions,  
8 while unshaded positions with an asterisk (\*) represent sequence divergence. The black boxes  
9 indicate the tyrosine kinase domain (residues 478-676 in human FGFR1).

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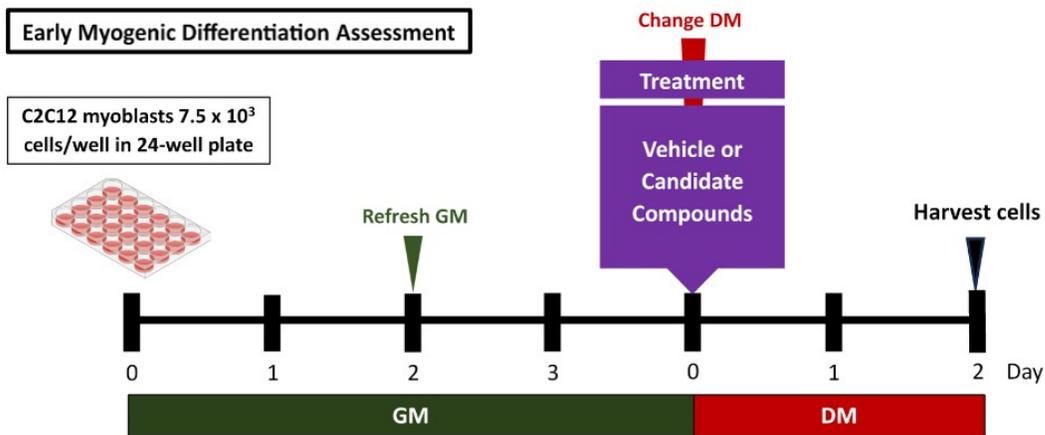
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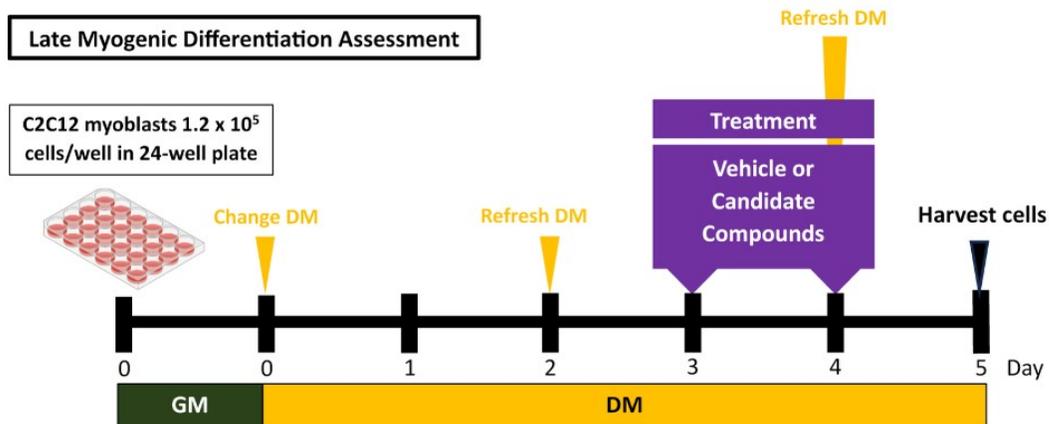
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25 Figure S1

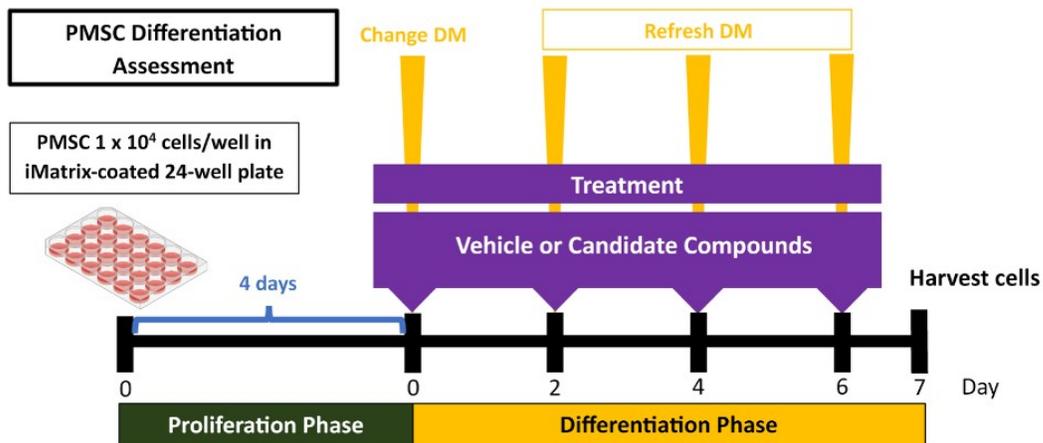
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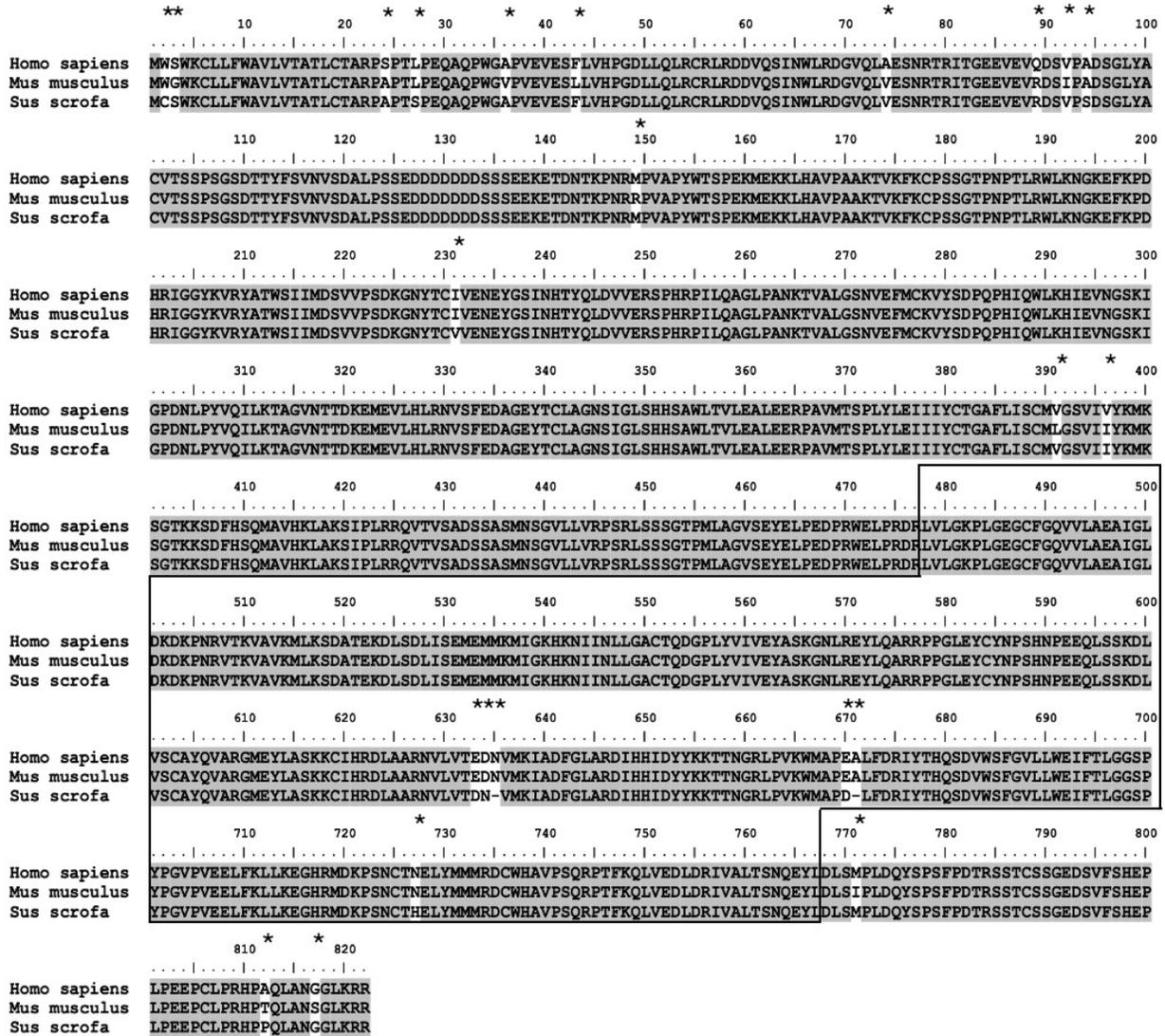
B.



C.



27 Figure S2



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