

Description of Additional Supplementary Files

File name: Supplementary Data 1

Description: The source data for figure 1c

File name: Supplementary Data 2

Description: The source data for figure 2b

File name: Supplementary Data 3

Description: The source data for figure 2f and supplementary figure 4a

File name: Supplementary Data 4

Description: The source data for figure 3a

File name: Supplementary Data 5

Description: The source data for figure 3d-3f

File name: Supplementary Data 6

Description: The source data for Supplementary figure 4b

File name: Supplementary Data 7

Description: DEGs of 4FnoO iMSCs vs. 5F iMSCs.

File name: Supplementary Data 8

Description: The source data for figure 5e, 6f, and 7d

File name: Supplementary Data 9

Description: The source data for figure 6a and 6b

File name: Supplementary Data 10

Description: DMCs of 4FnoO iMSCs vs. 5F iMSCs