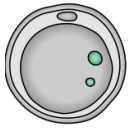
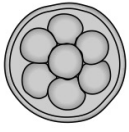


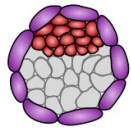
# Supplementary Figure 1



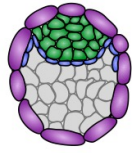
Zygote



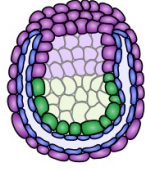
E2.5



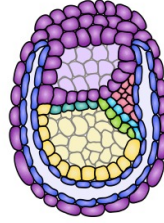
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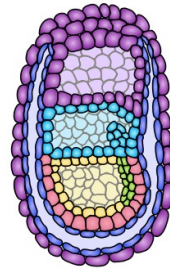
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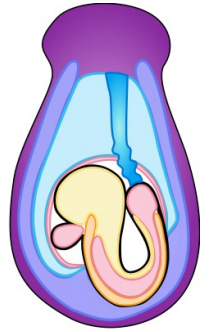
E5.5



E6.5



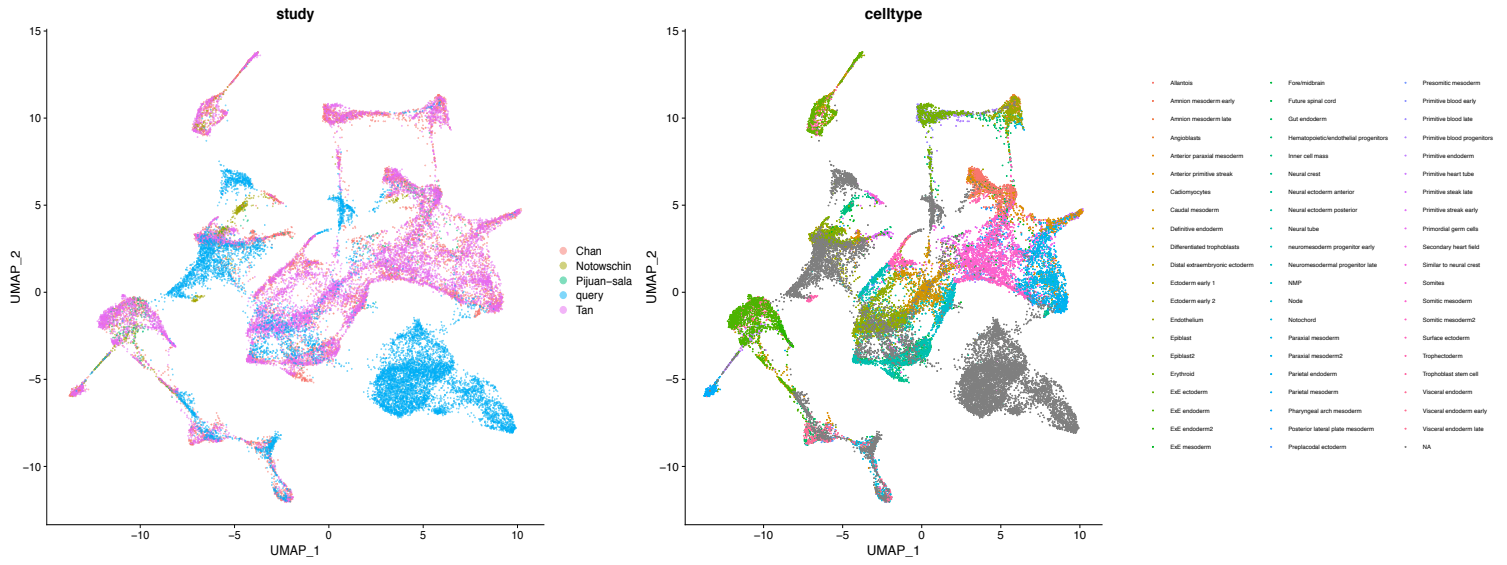
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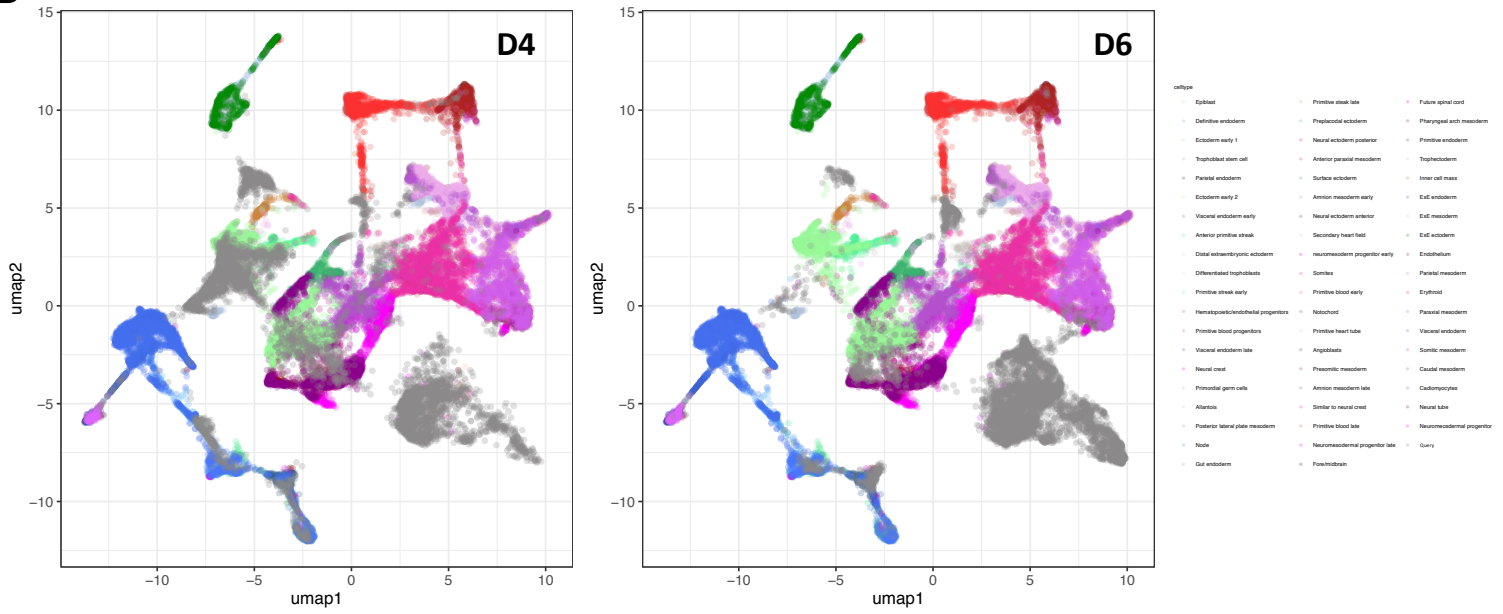
E8.5

# Supplementary Figure 2

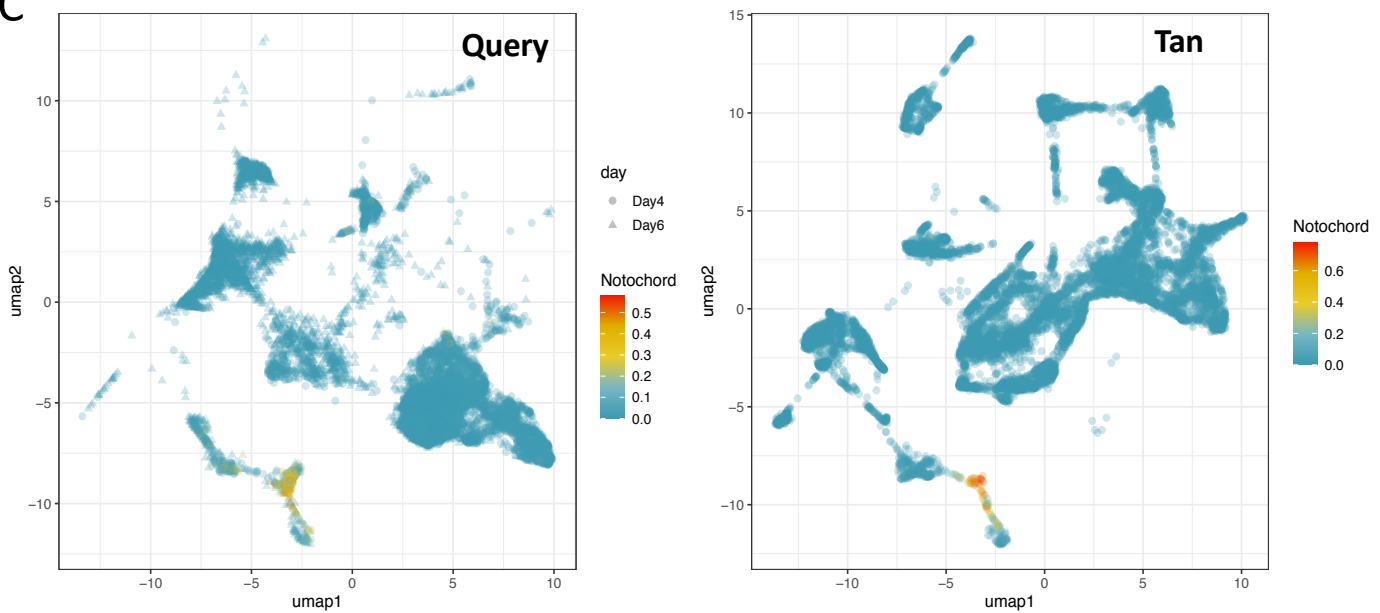
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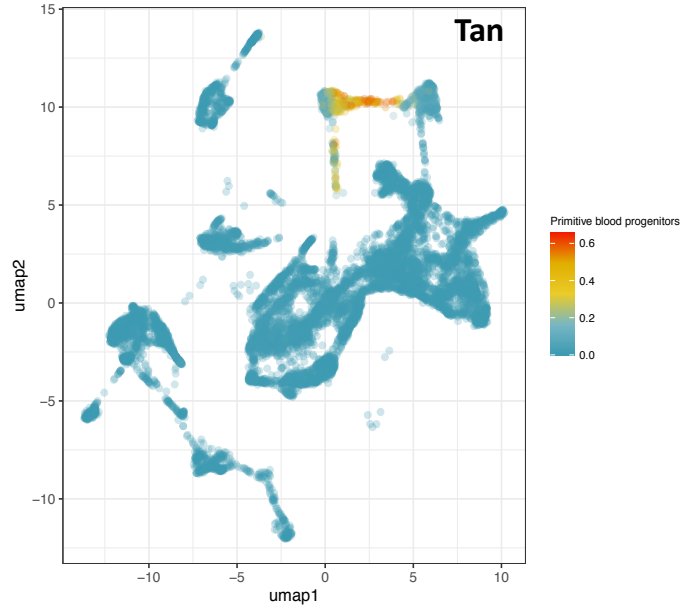
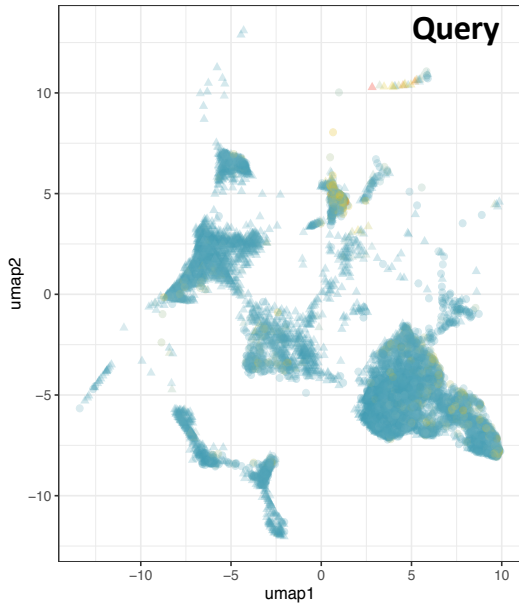
B



C

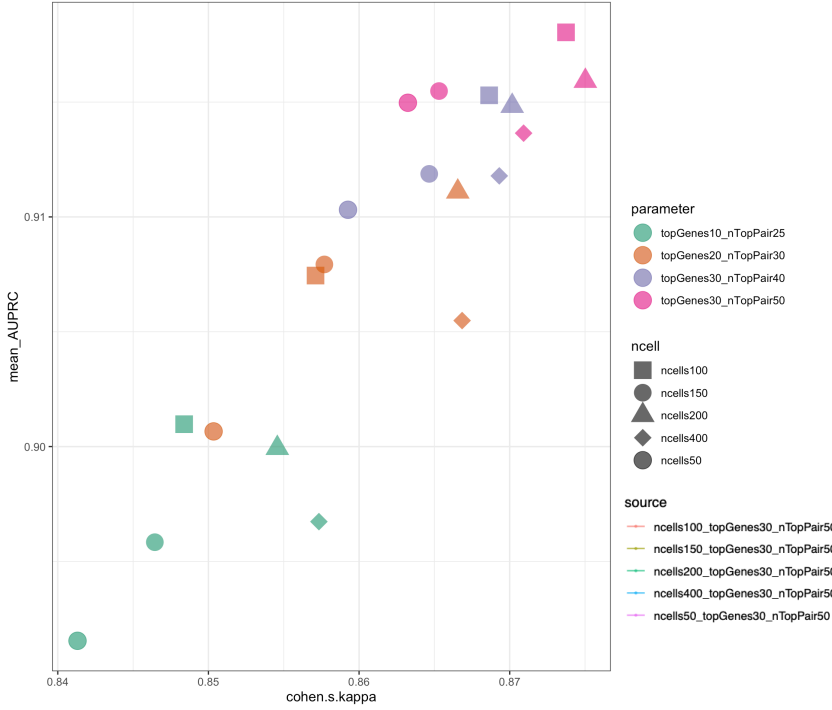


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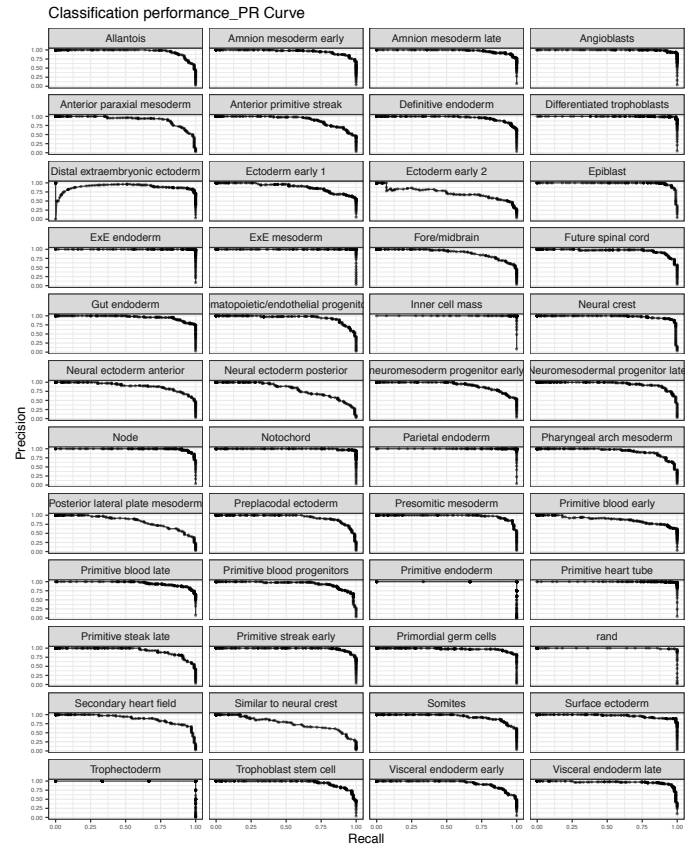


# Supplementary Figure 3

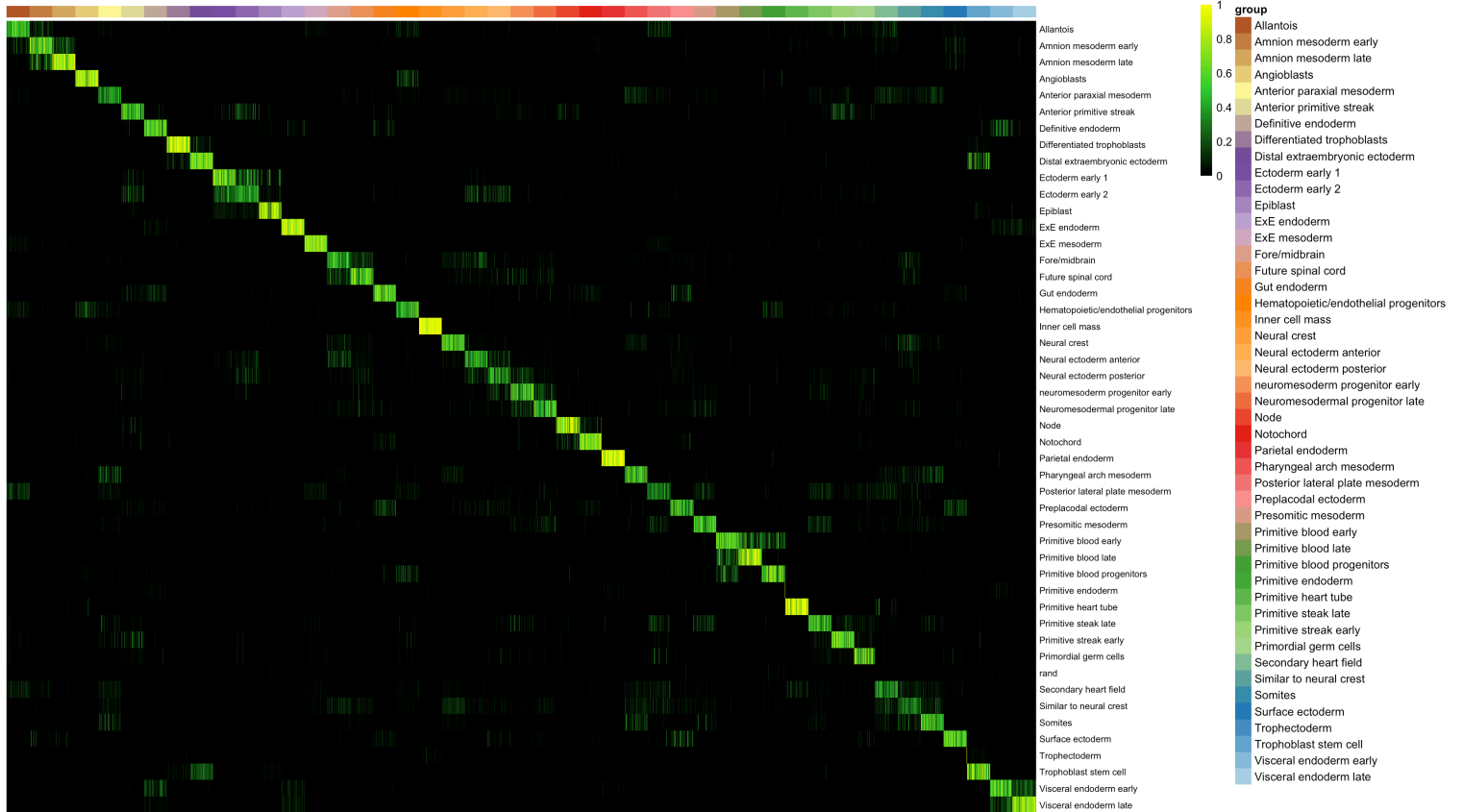
A



B

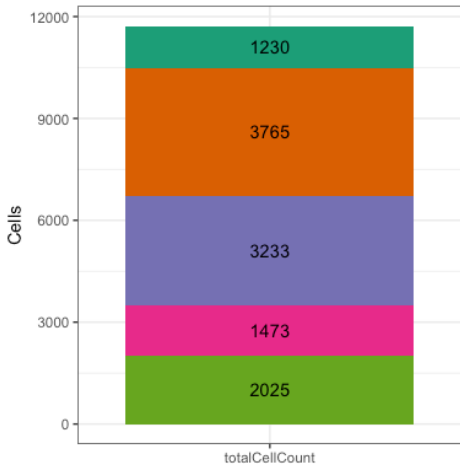


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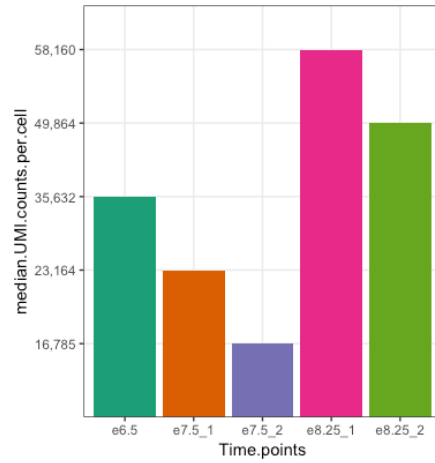


# Supplementary Figure 4

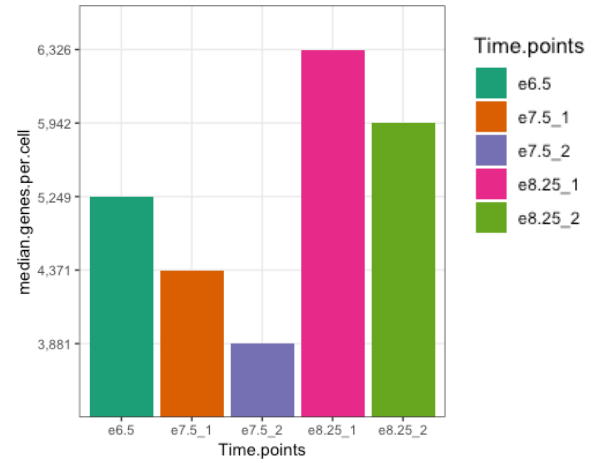
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B



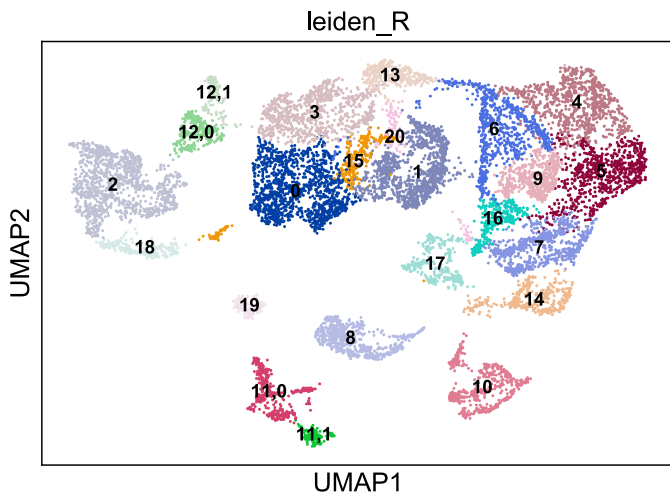
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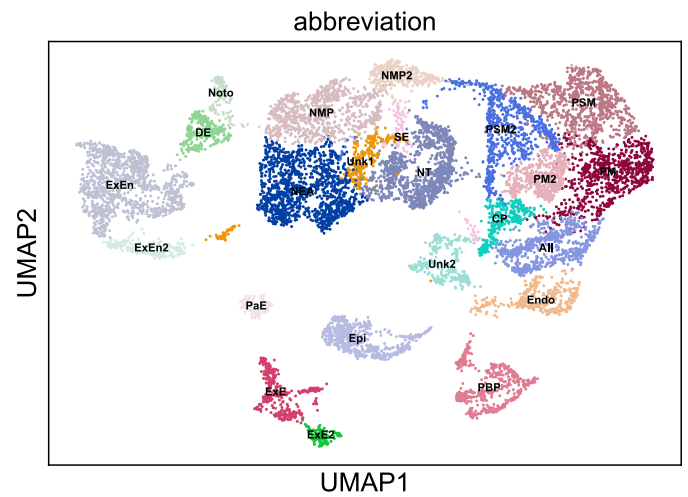
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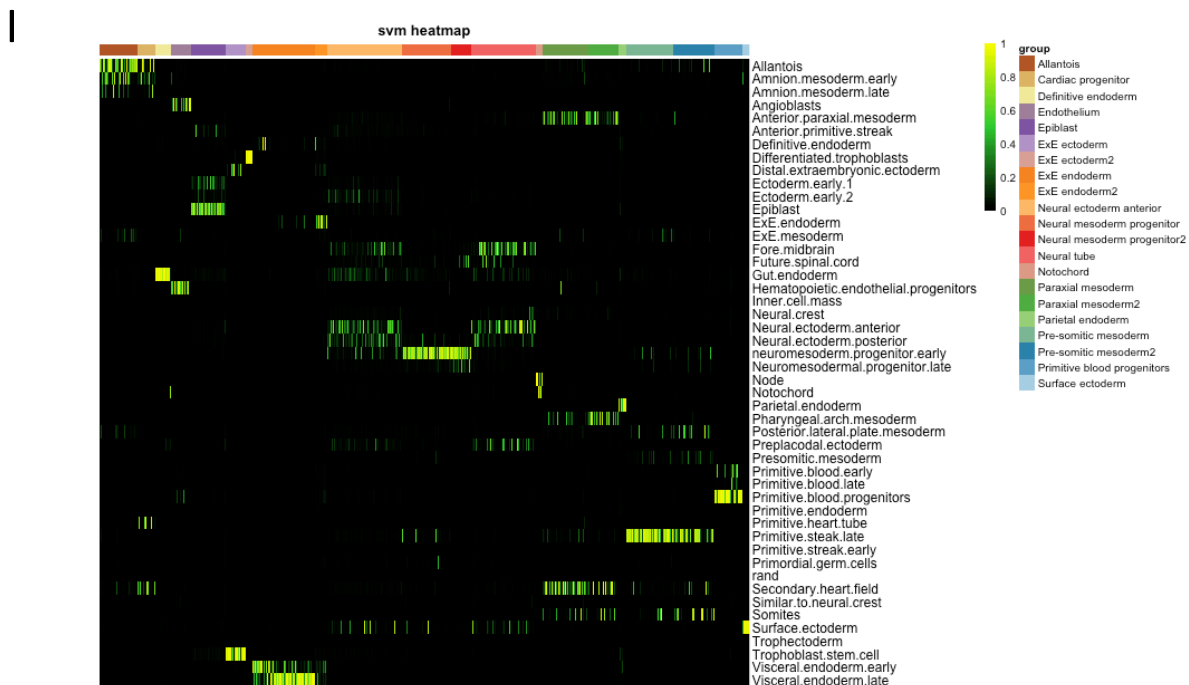
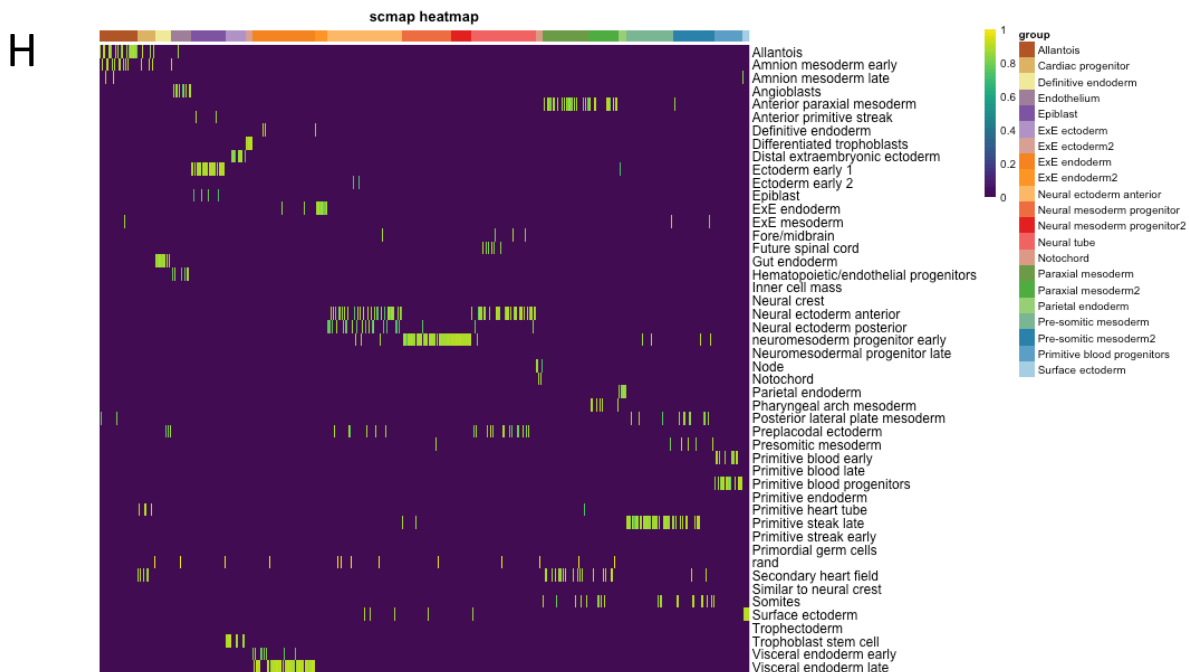
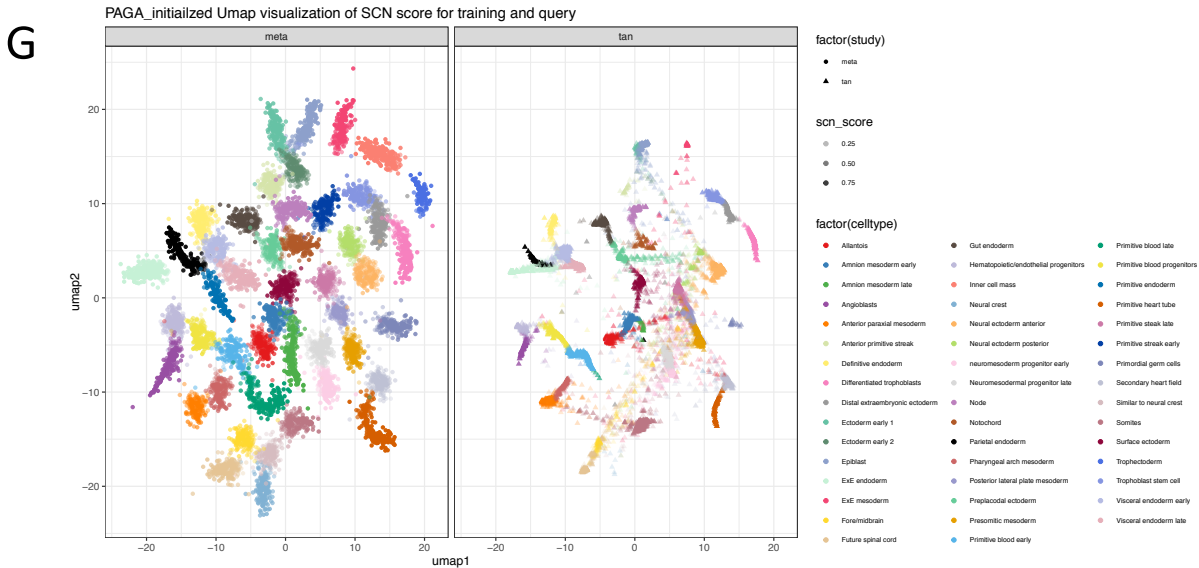
Date of experiment	Time points	Emrbyos	Cells	Seq	mean reads per cell	median genes per cell	median UMI counts per cell	Time_point
8/23/18	e6.5	13	1230	NovaSeq	363,452	5,249	35,632	e6.5
9/6/18	e7.5_1	8	3765	NovaSeq	86,103	4,371	23,164	e7.5
9/6/18	e7.5_2	8	3233	NovaSeq	141,595	3,881	16,785	e7.5
4/5/18	e8.25_1	1	1473	NovaSeq	284,417	6,326	58,160	e8.25
4/5/18	e8.25_2	1	2025	NovaSeq	218,973	5,942	49,864	e8.25

E



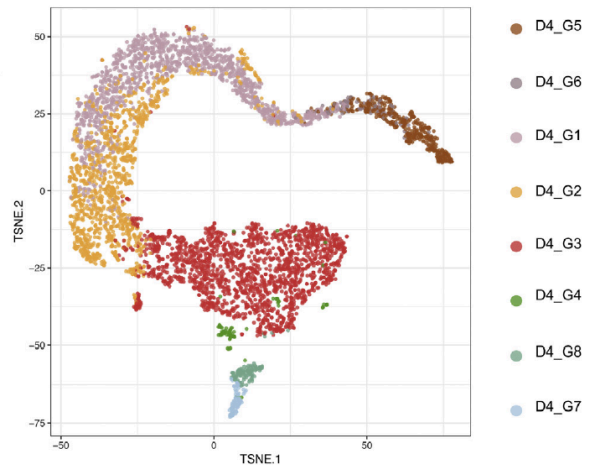
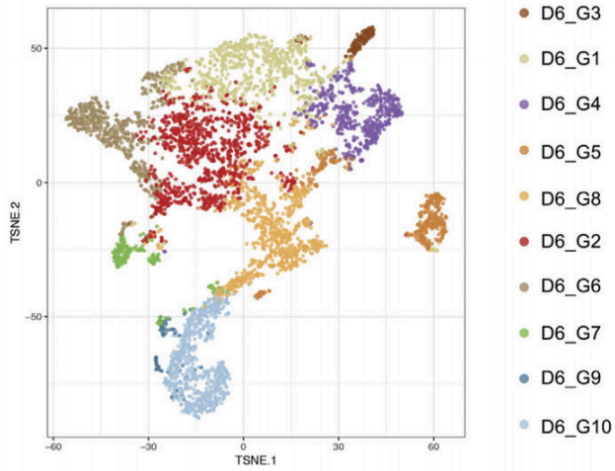
F



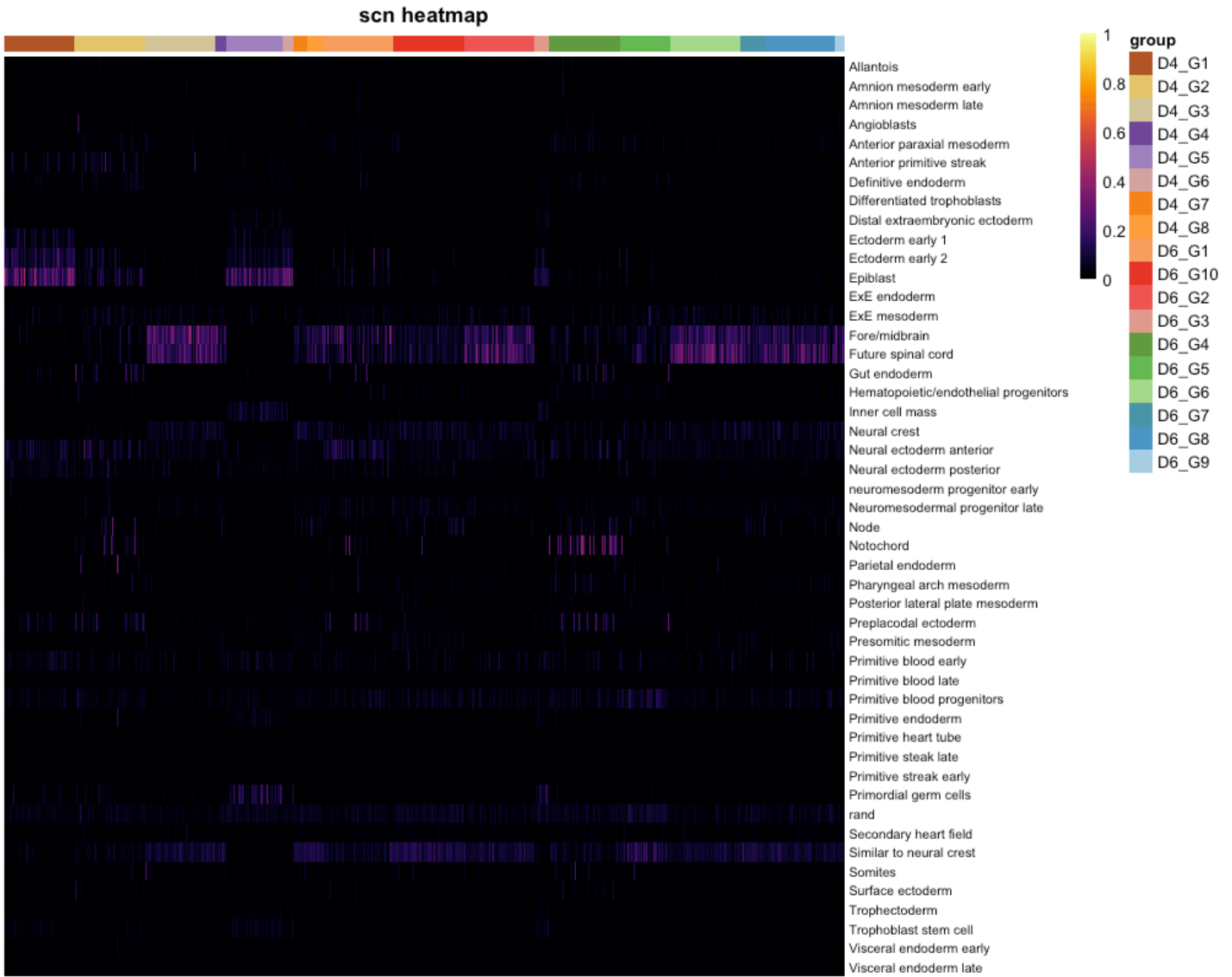


# Supplementary Figure 5

A

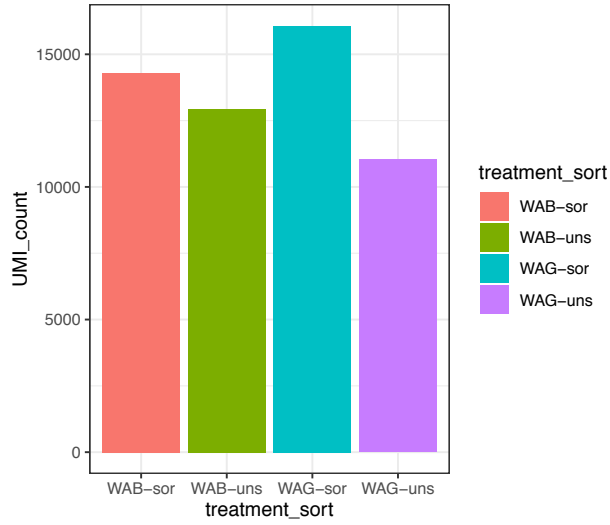


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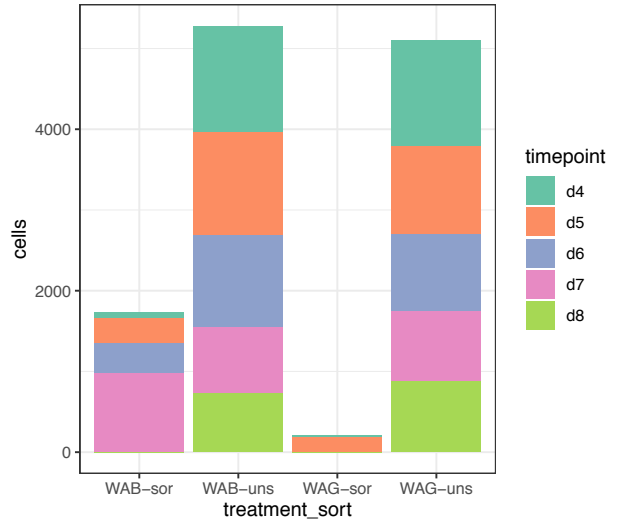


# Supplementary Figure 6

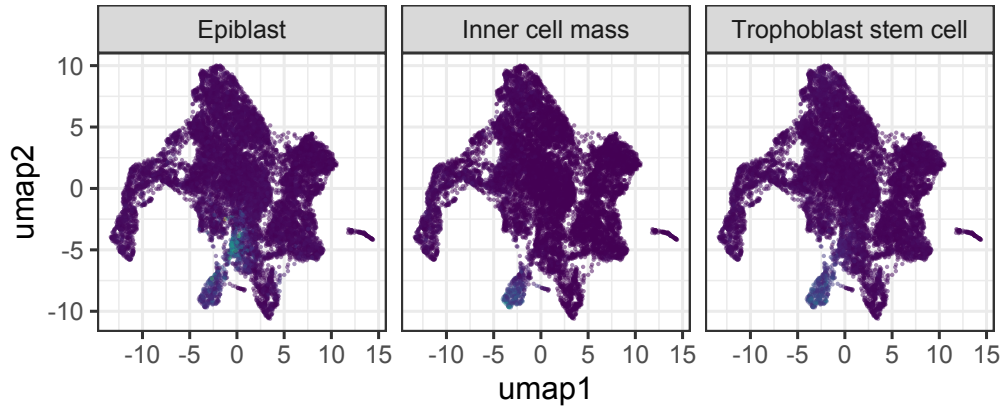
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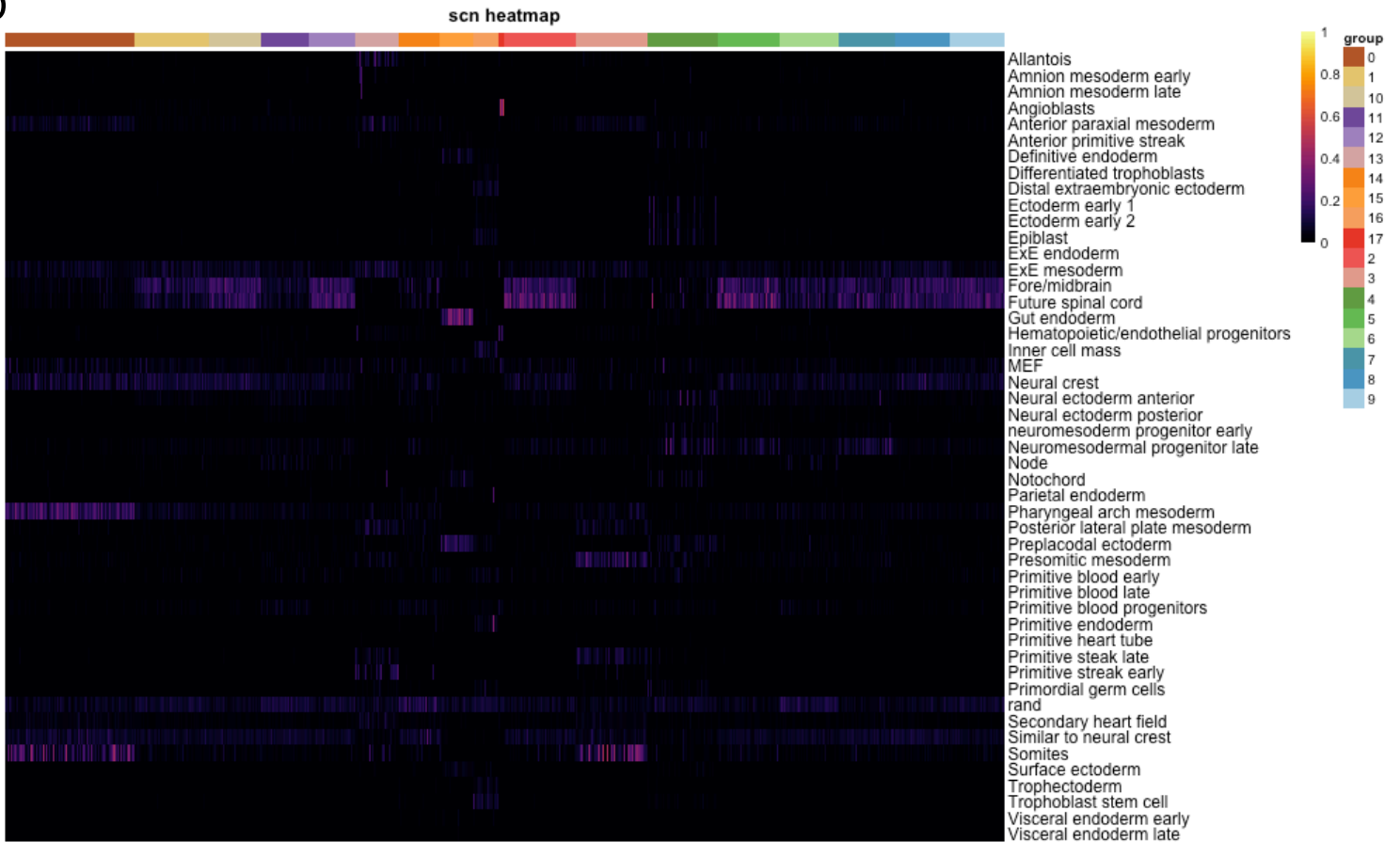
B



C

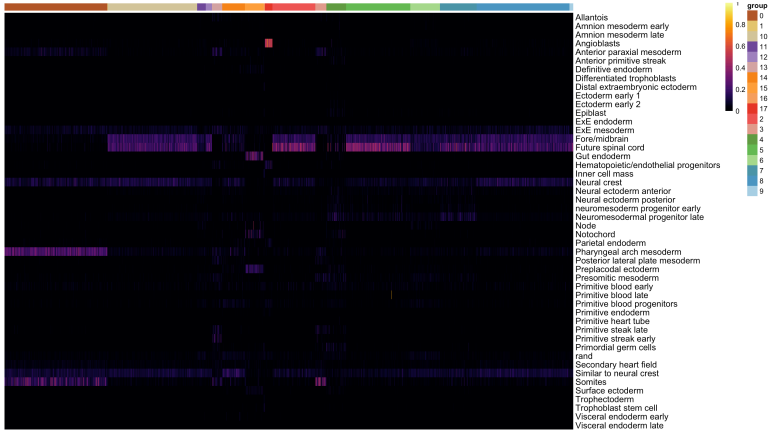


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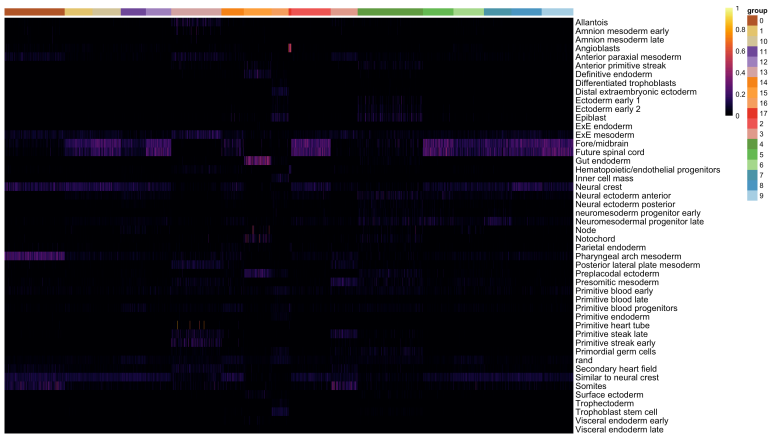




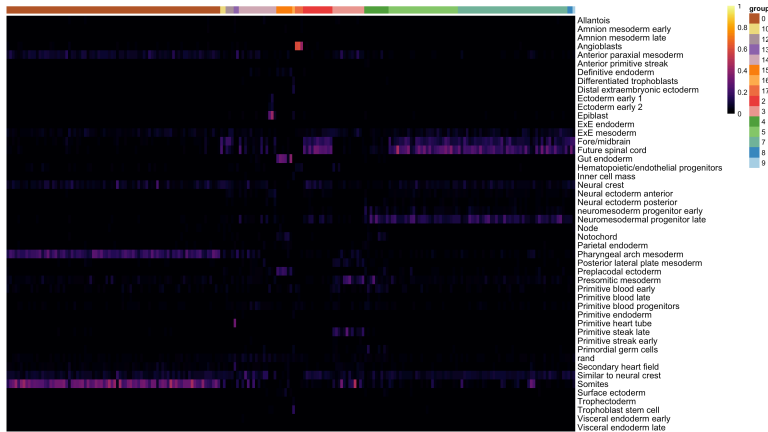
### E SCN classification for sorted WAB treated cells



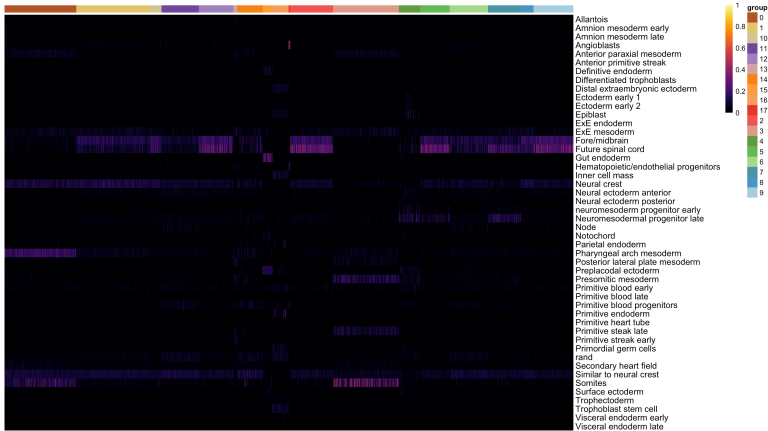
### F SCN classification for unsorted WAB treated cells



### G SCN classification for sorted WAG treated cells

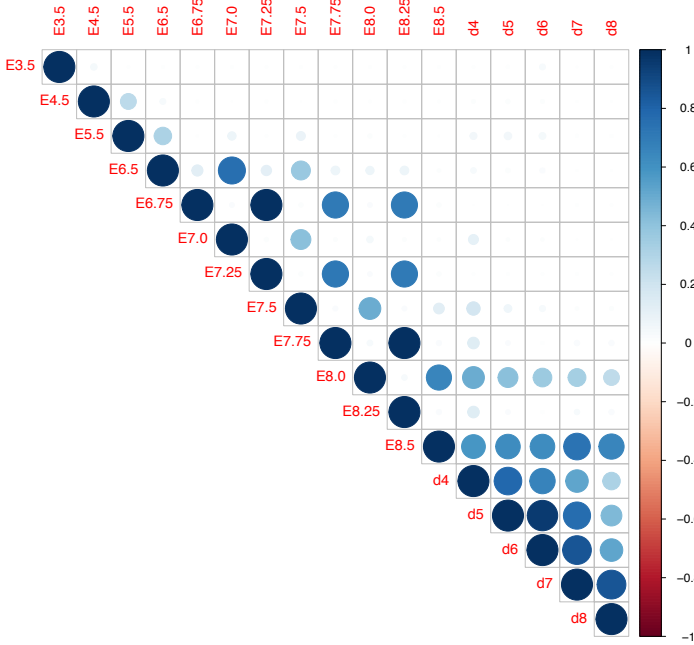


### H SCN classification for unsorted WAG treated cells

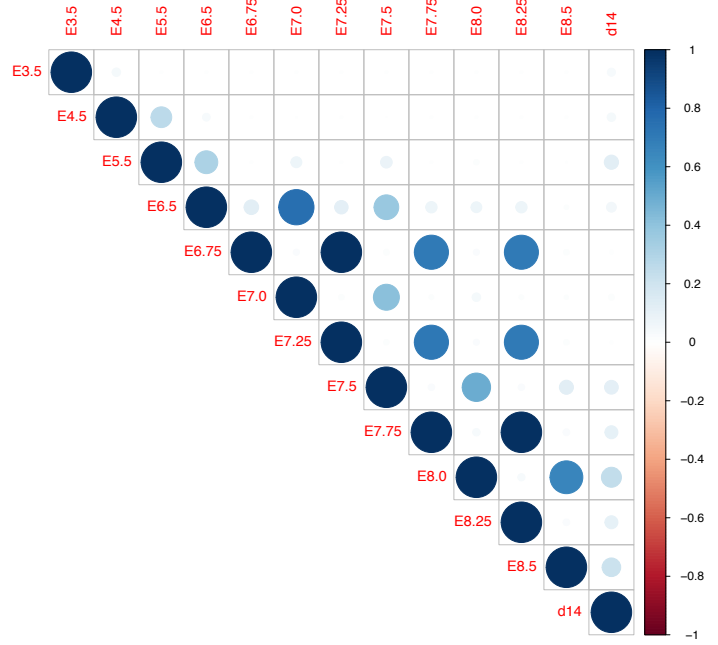


# Supplementary Figure 7

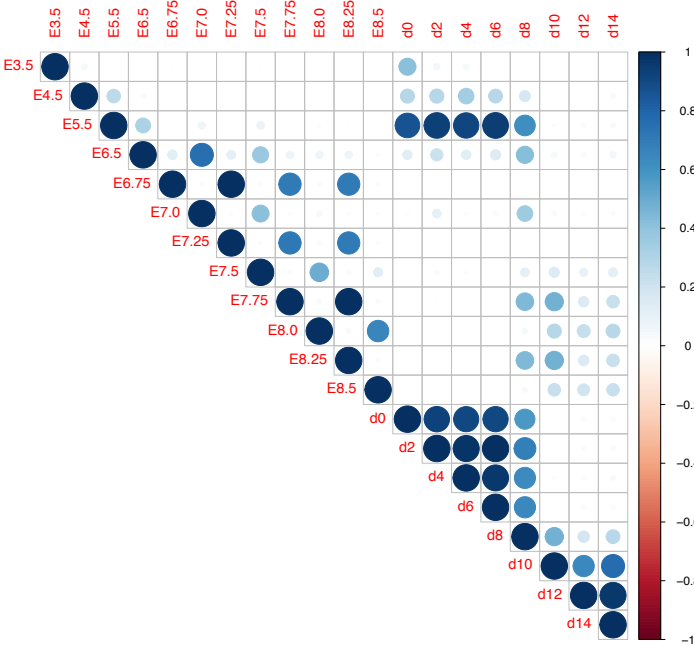
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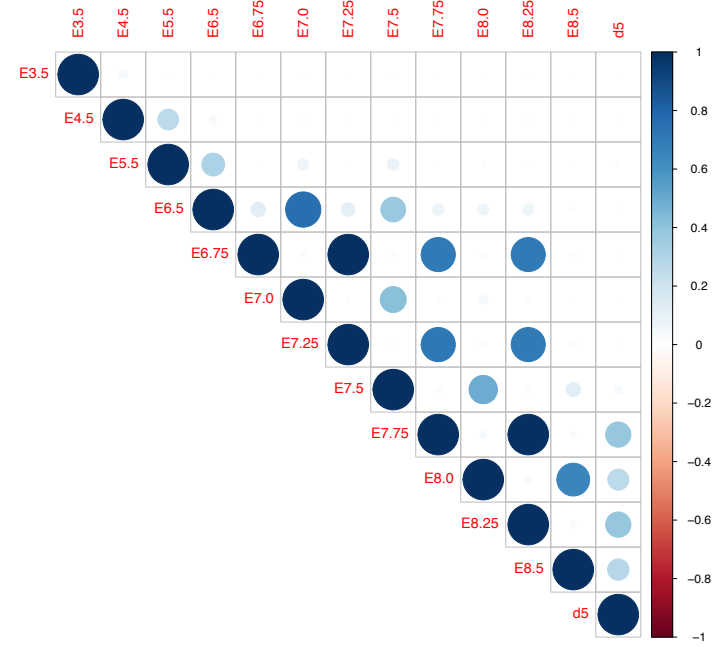
B



C

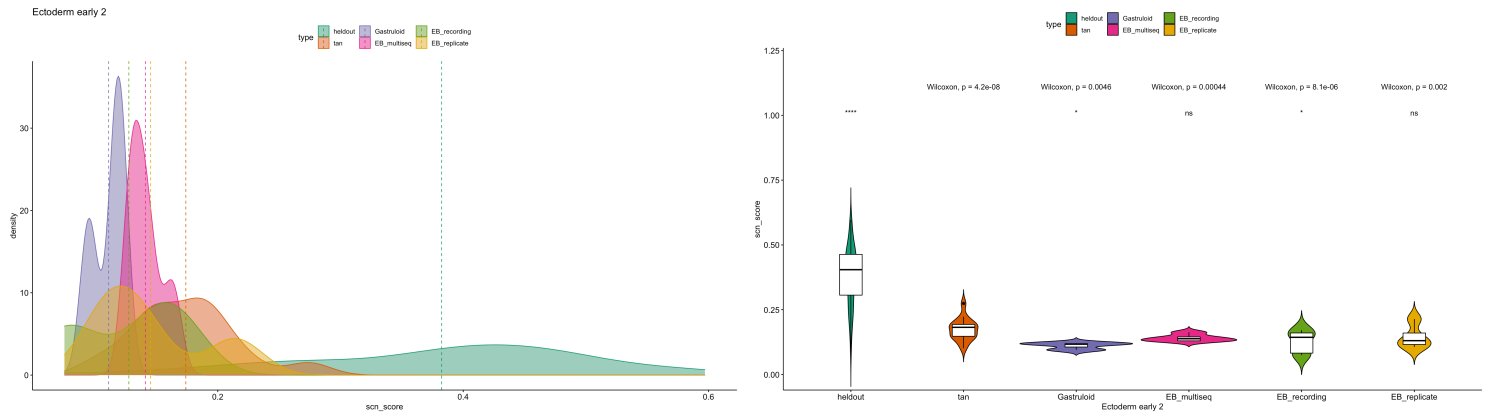


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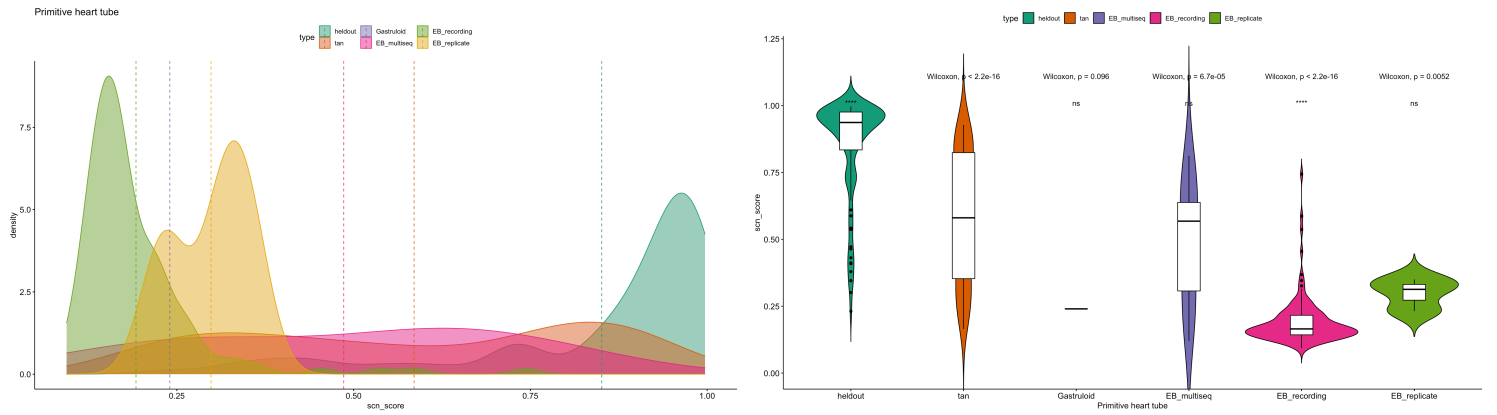


# Supplementary Figure 8

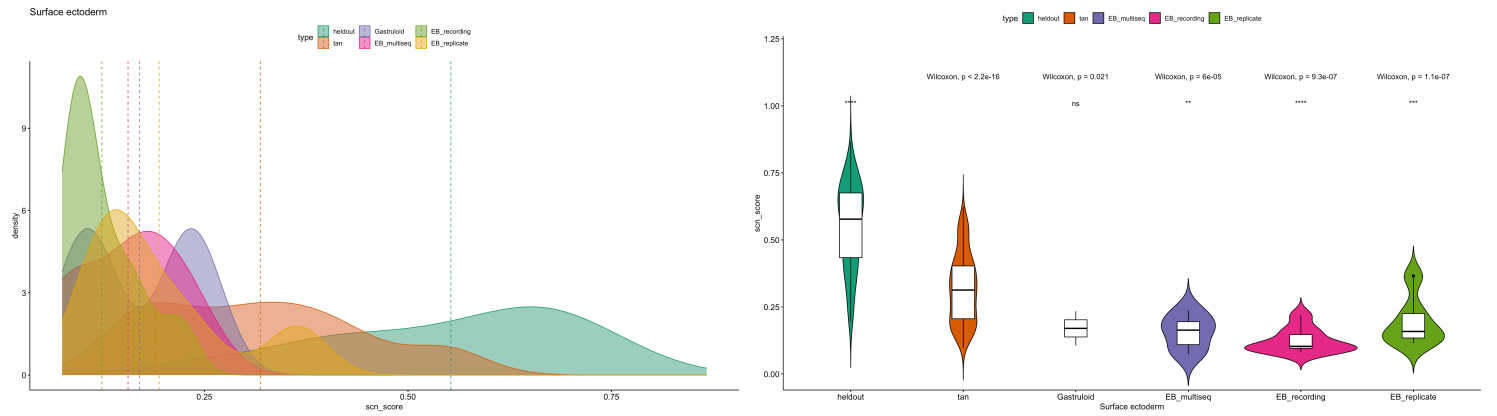
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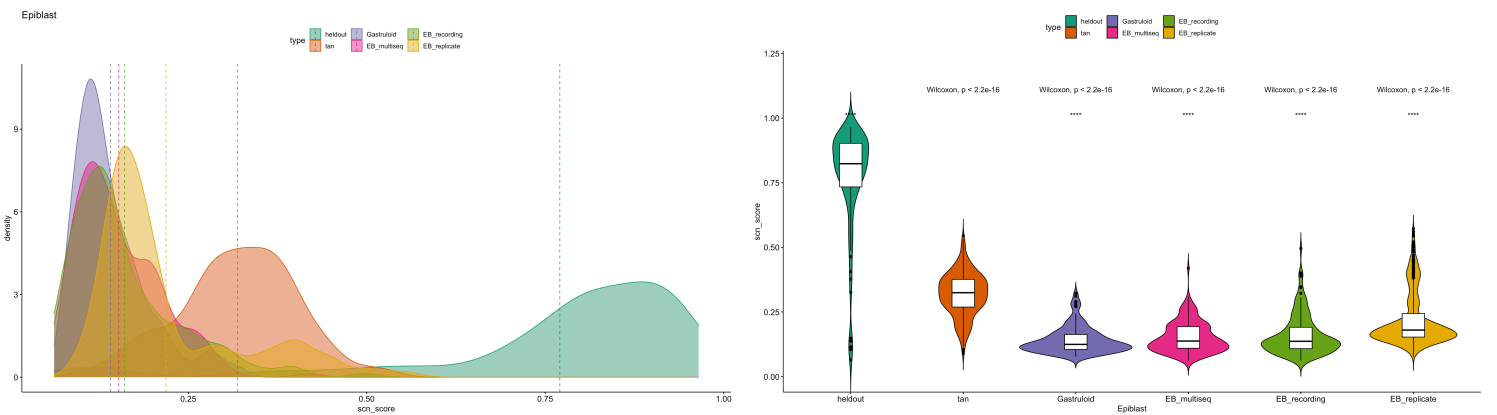
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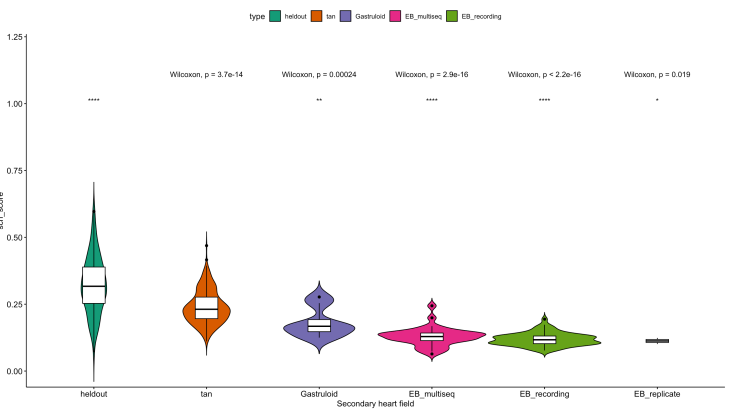
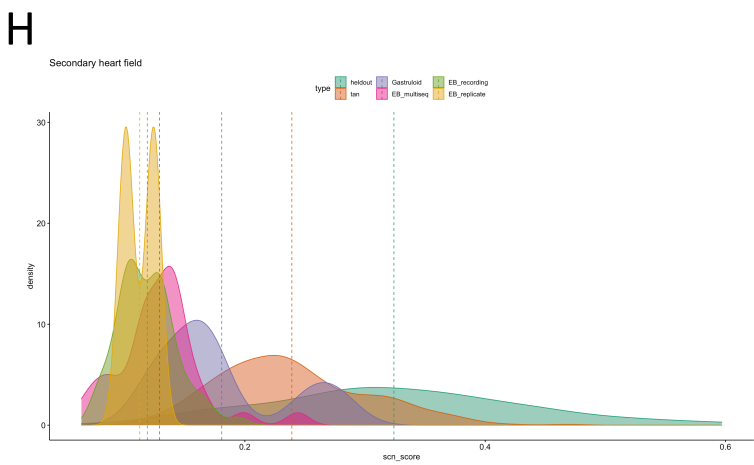
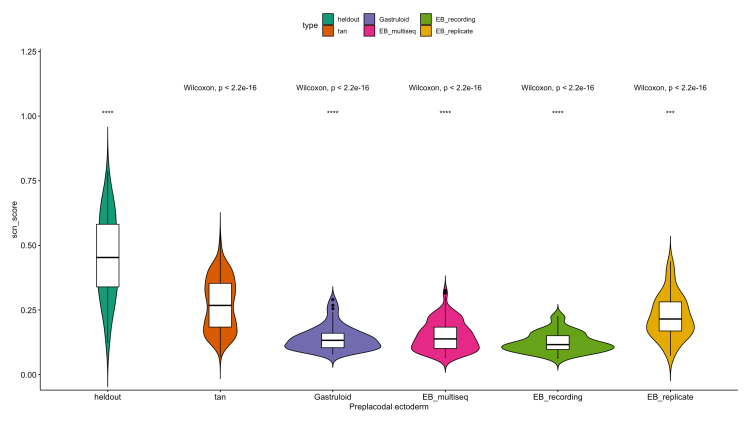
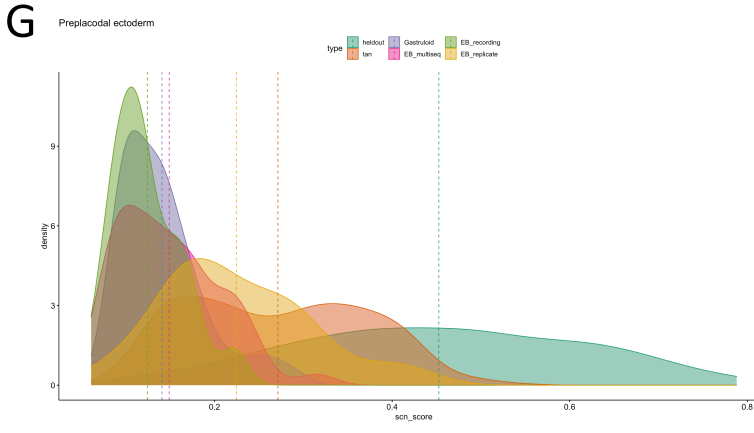
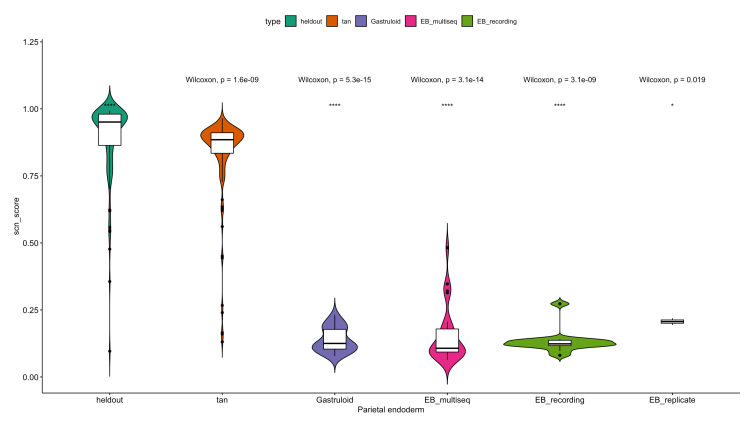
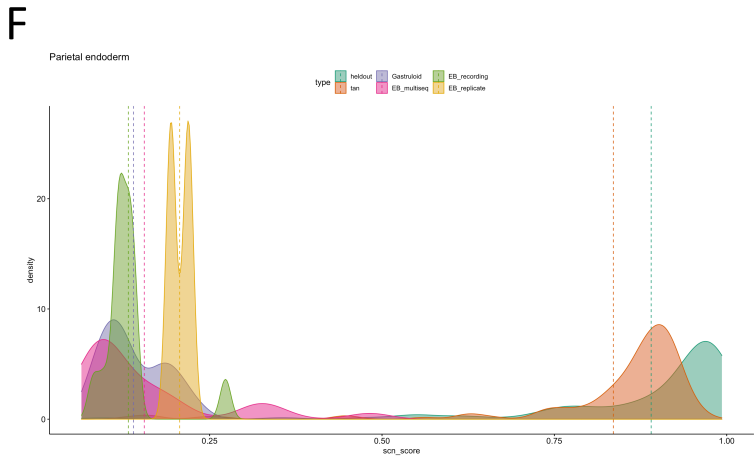
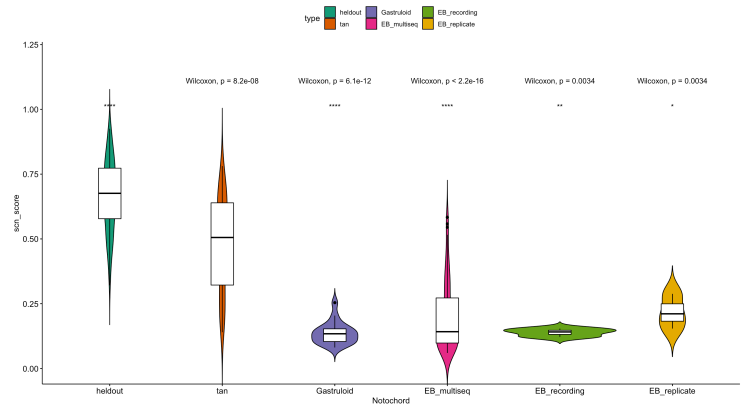
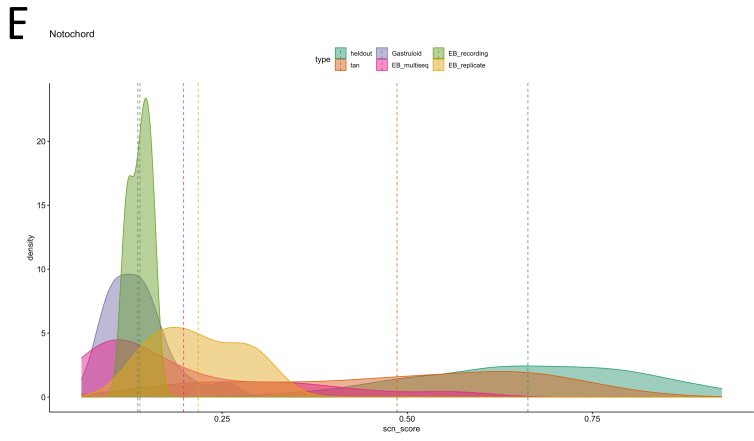
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D

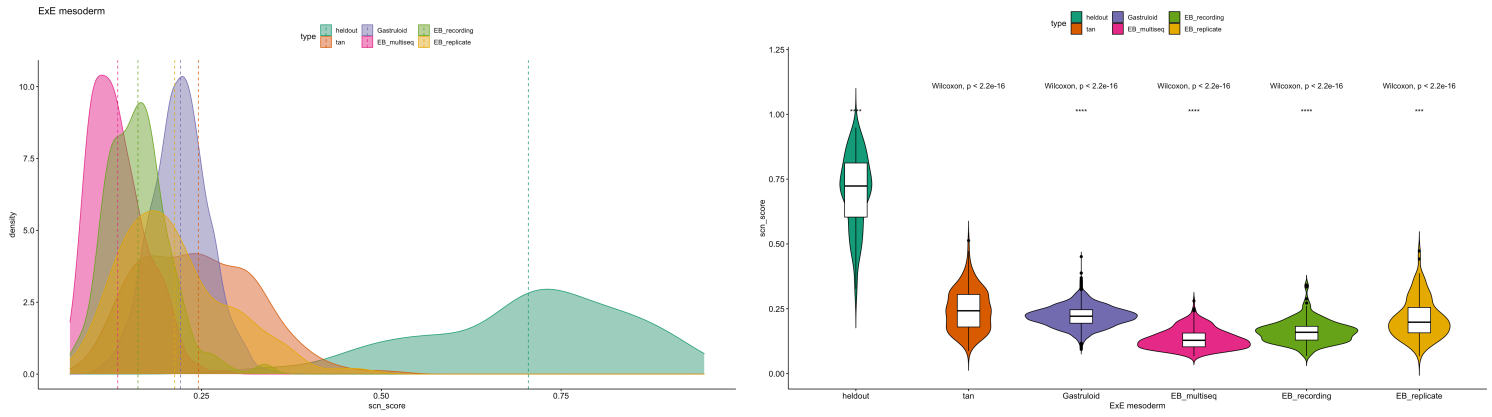


# Supplementary Figure 8

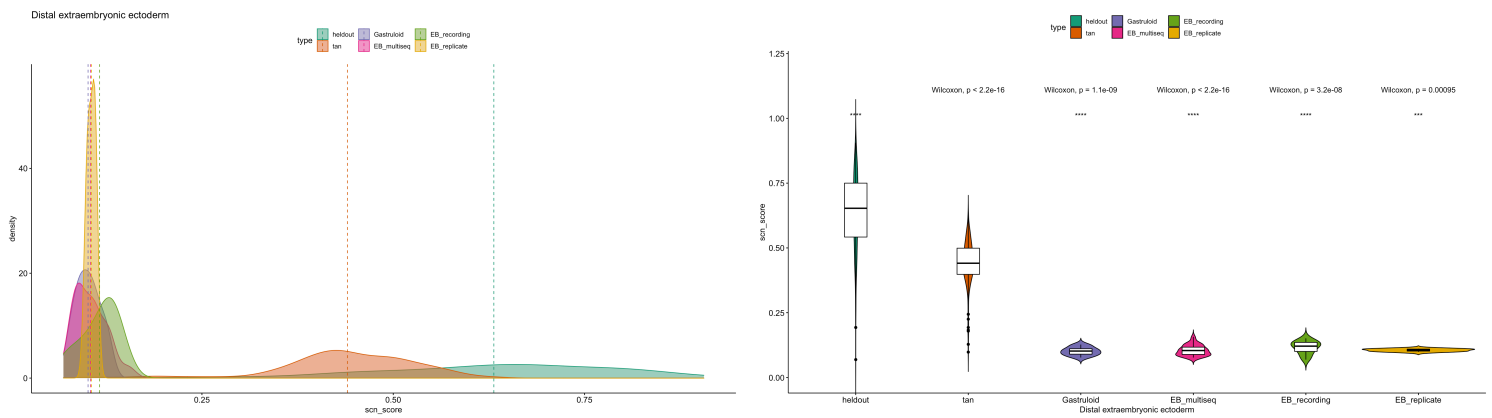


# Supplementary Figure 8

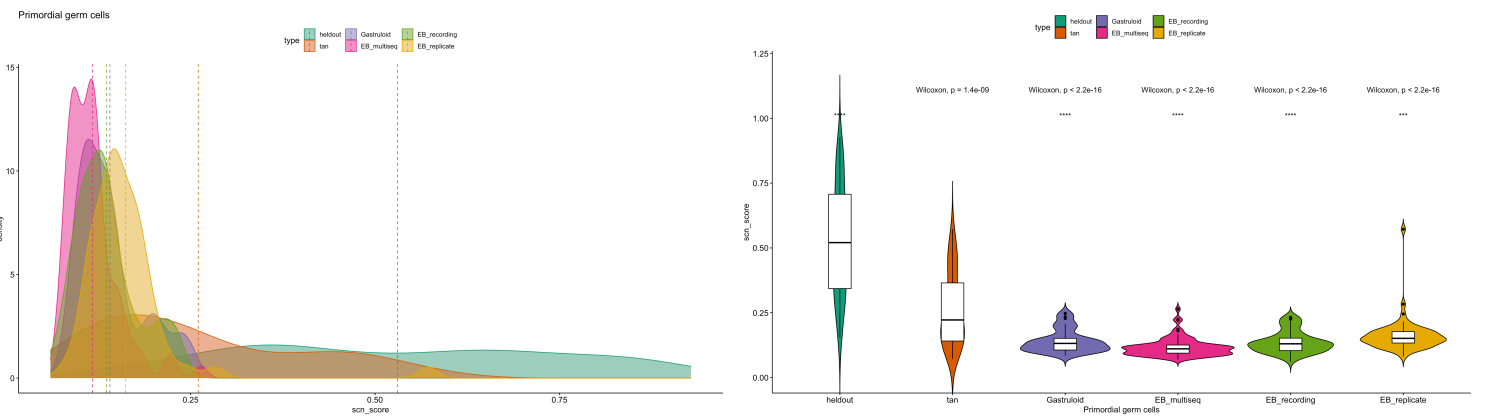
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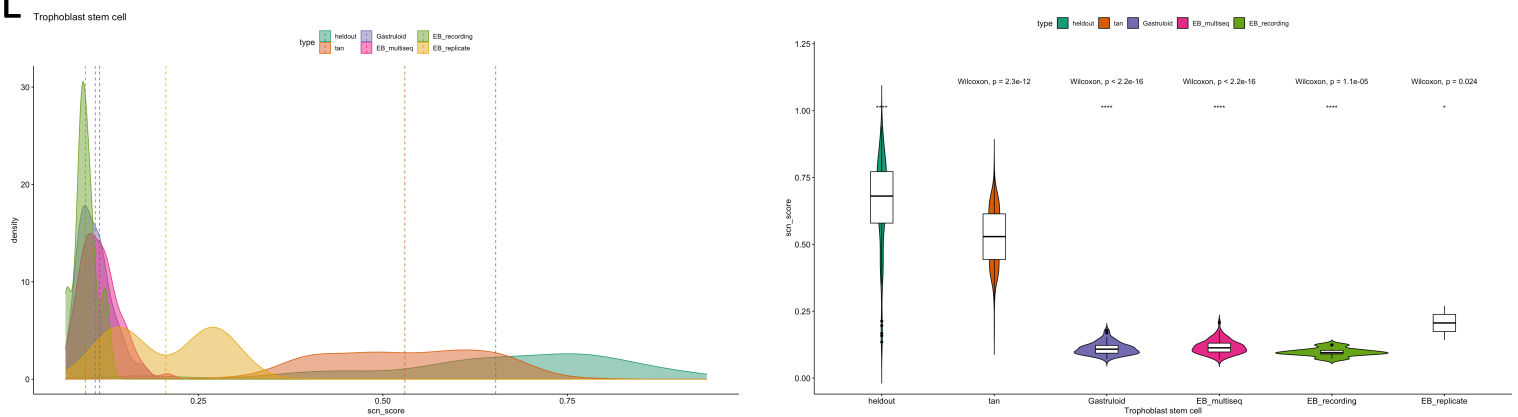
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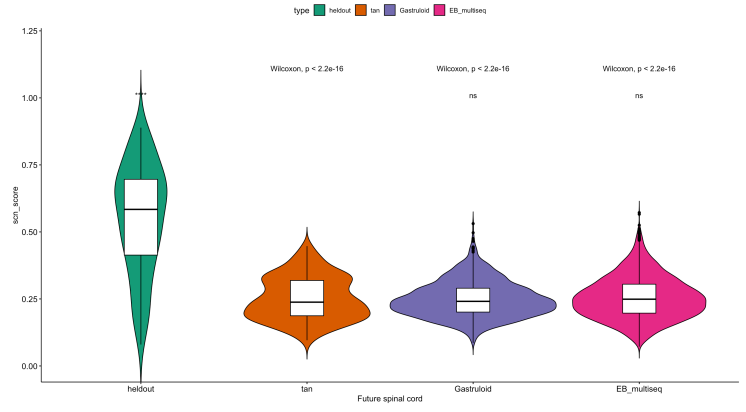
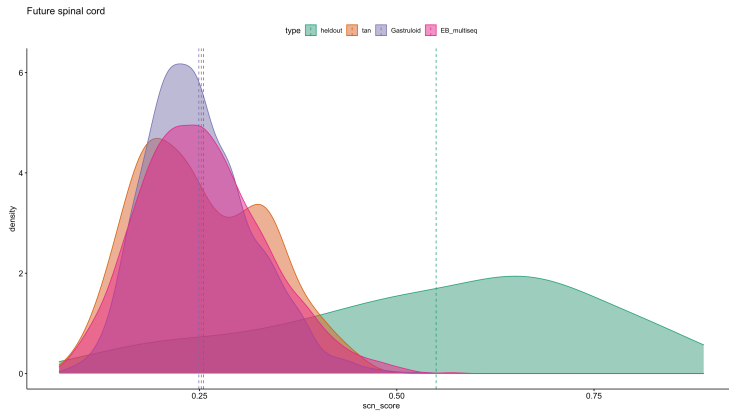


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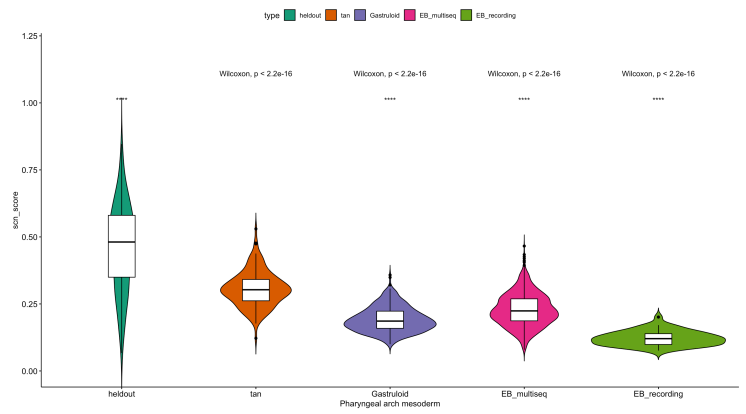
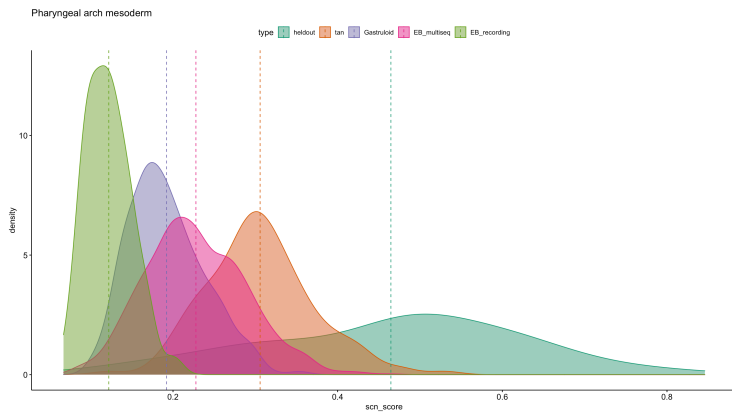


# Supplementary Figure 8

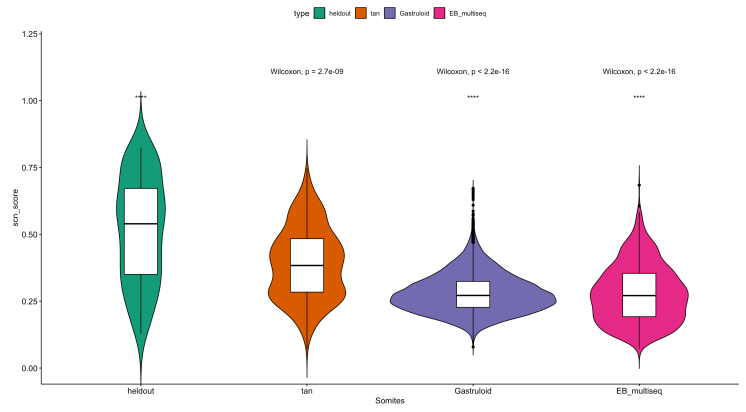
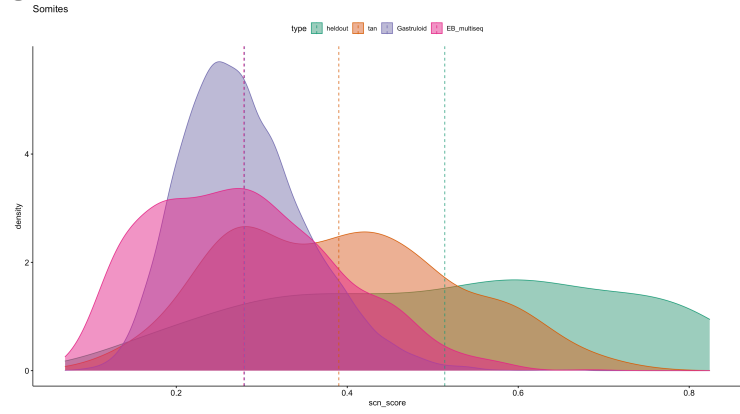
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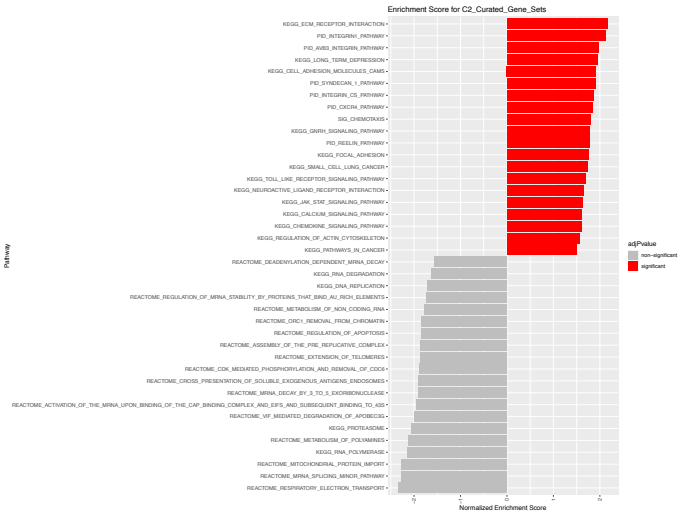


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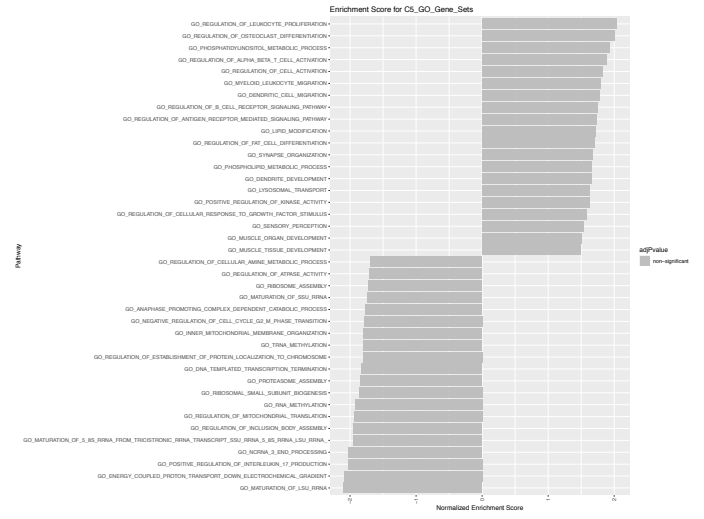


# Supplementary Figure 9

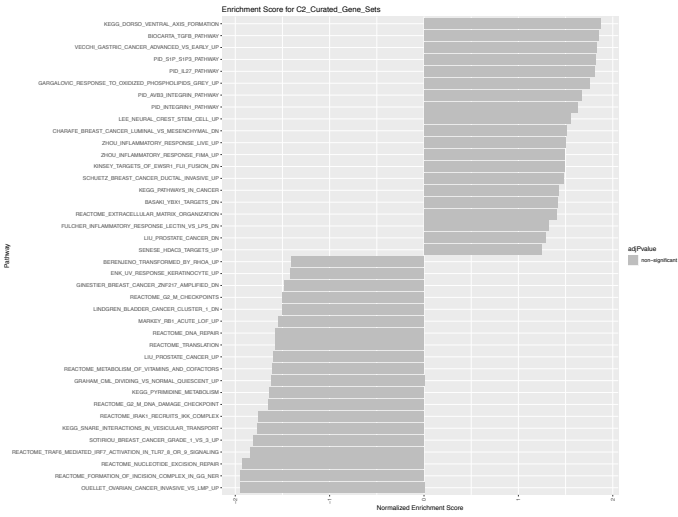
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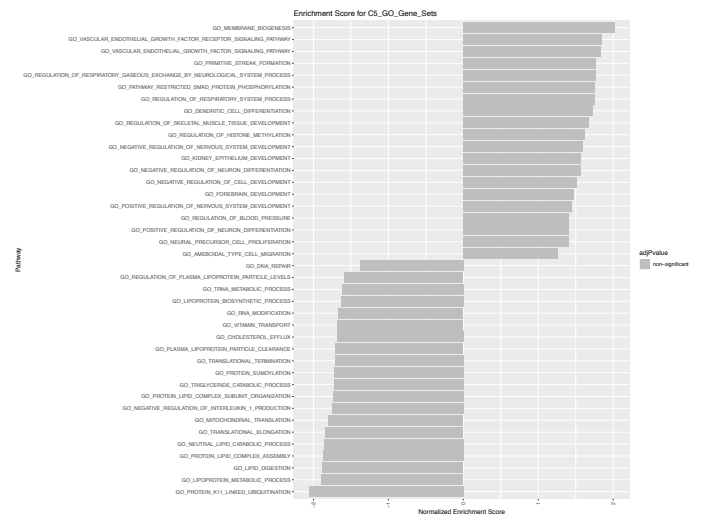
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C

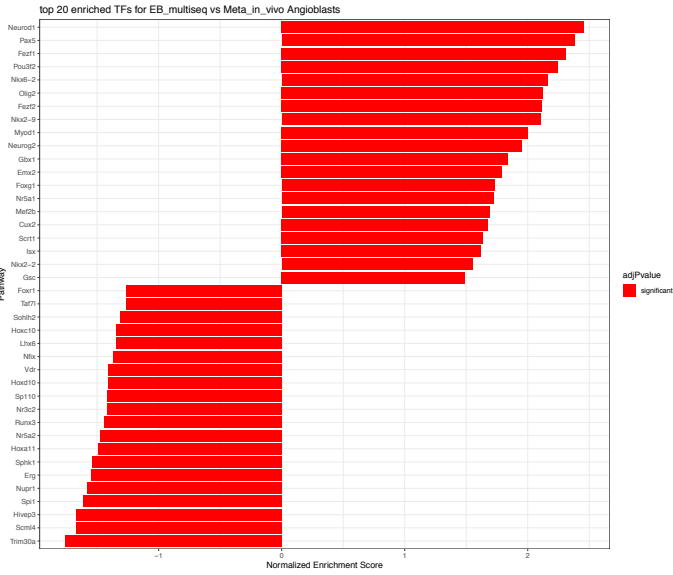


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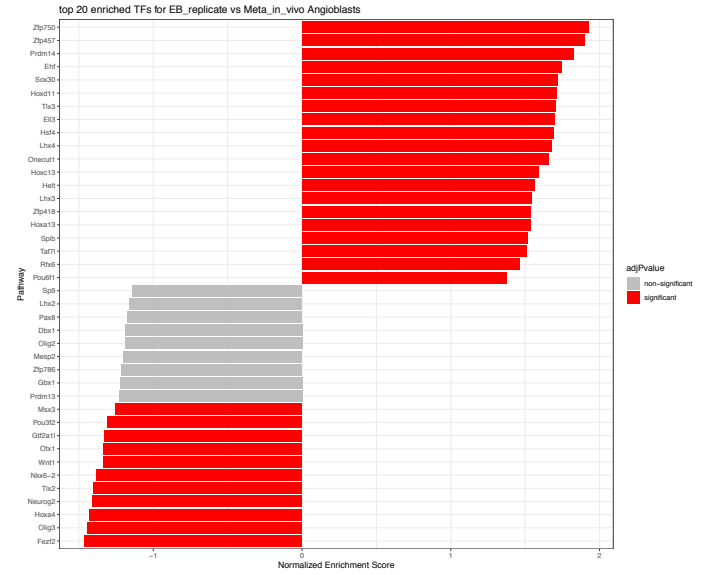


# Supplementary Figure 10

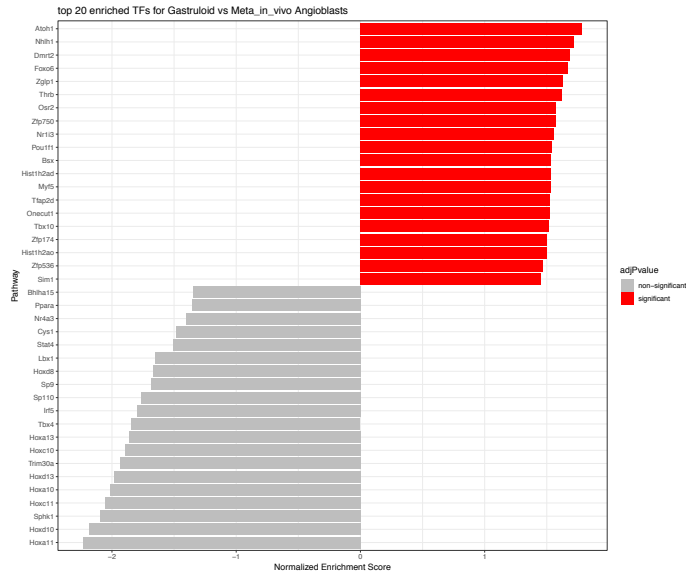
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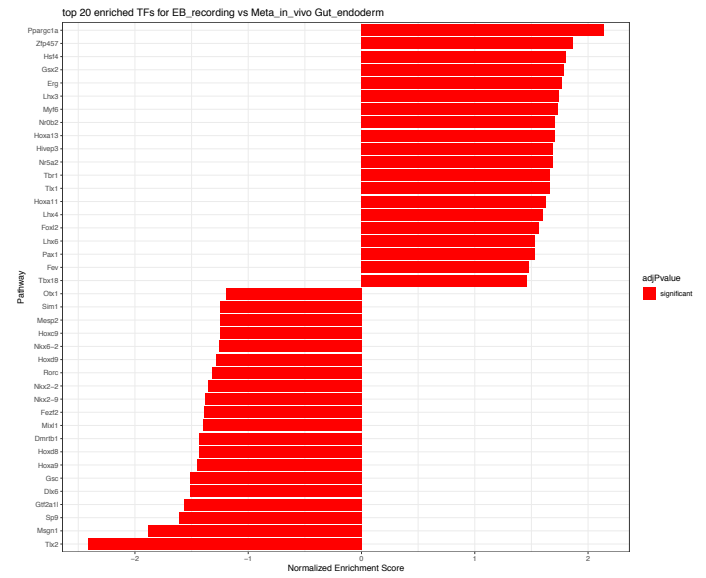
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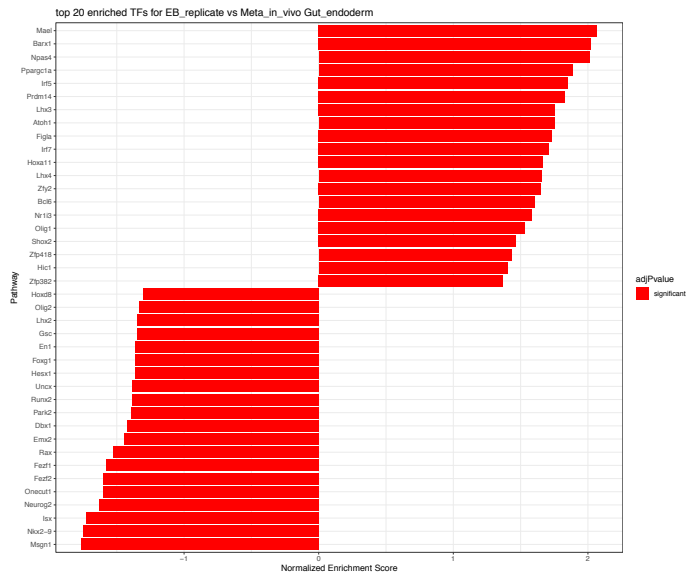
C



D



E



F

