

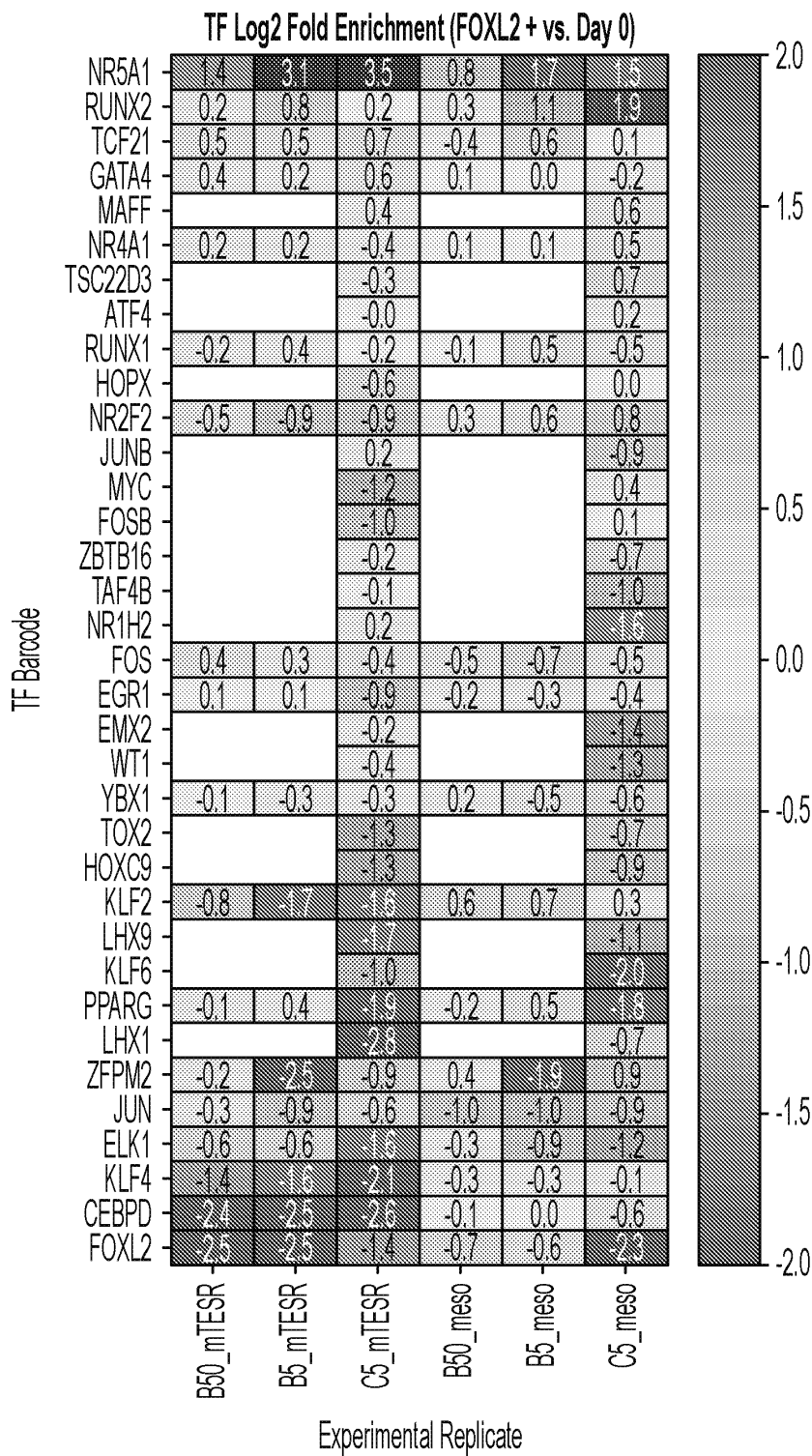


FIG. 1

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NR5A1	RUNX1	RUNX2	TCF21	GATA4	NR2F2	KLF2	WT1	FOXL2	Estradiol pg/ μ L	All markers %	AMHR2 %	CD82 %	FOXL2 %	EPCAM %
0	0	0	0	0	0	0	0	0	23	0.8	3.5	9.6	1.3	90.1
1	0	0	0	0	0	0	0	0	2703	0.6	2.6	30.9	2.0	56.5
0	1	0	0	0	0	0	0	0	10	4.3	7.8	40.5	10.8	13.2
0	0	1	0	0	0	0	0	0	11	4.2	6.5	68.9	3.3	15.4
0	0	0	1	0	0	0	0	0	98	0.5	1.8	21.7	1.4	51.1
0	0	0	0	1	0	0	0	0	265	0.3	1.5	13.6	0.7	35.9
0	0	0	0	0	1	0	0	0	30	1.7	4.6	9.7	3.5	6.8
0	0	0	0	0	0	1	0	0	190	1.0	3.3	9.5	2.3	35.5
0	0	0	0	0	0	0	1	0	55	1.2	2.9	31.9	2.0	16.9
0	0	0	0	0	0	0	0	1	35	1.7	4.8	31.4	4.2	13.7
1	1	0	0	0	0	0	0	0	71	4.3	12.1	31.2	11.1	22.6
1	0	1	0	0	0	0	0	0	170	7.6	48.4	57.6	14.3	13.9
1	0	0	1	0	0	0	0	0	524	0.5	2.5	26.4	1.2	53.1
1	0	0	0	1	0	0	0	0	504	0.3	3.6	18.4	0.7	42.8
1	0	0	0	0	1	0	0	0	57	0.9	3.7	8.9	2.1	10.6
1	0	0	0	0	0	1	0	0	177	0.4	3.5	12.3	1.2	27.5
1	0	0	0	0	0	0	1	0	95	0.8	3.1	26.1	1.3	21.4
1	0	0	0	0	0	0	0	1	42	0.7	4.0	17.5	2.0	13.7
1	1	1	0	0	0	0	0	0	289	3.7	9.1	27.4	10.7	34.1
1	1	0	1	0	0	0	0	0	707	2.0	6.2	33.0	5.3	44.1
1	1	0	0	1	0	0	0	0	668	2.0	6.0	29.9	4.1	37.3
1	1	0	0	0	1	0	0	0	405	2.2	7.5	20.7	5.2	27.9
1	1	0	0	0	0	1	0	0	165	0.6	3.9	8.5	1.7	23.9
1	1	0	0	0	0	0	1	0	115	2.2	5.9	22.9	4.1	15.7
1	1	0	0	0	0	0	0	1	123	1.3	3.6	26.9	3.4	9.9
1	0	1	1	0	0	0	0	0	347	3.3	6.5	33.0	7.1	35.7
1	0	1	0	1	0	0	0	0	657	1.6	5.9	32.8	3.3	39.6
1	0	1	0	0	1	0	0	0	194	2.4	6.3	18.6	5.0	17.2
1	0	1	0	0	0	1	0	0	1133	0.9	4.8	9.7	2.3	31.3
1	0	1	0	0	0	0	1	0	165	1.5	3.7	22.3	2.6	18.1
1	0	1	0	0	0	0	0	1	114	1.4	4.1	24.6	3.6	9.7
1	0	0	1	1	0	0	0	0	237	0.7	3.6	22.5	1.4	35.3
1	0	0	1	0	1	0	0	0	107	1.2	4.3	14.8	2.4	13.7
1	0	0	1	0	0	1	0	0	296	0.9	7.4	15.2	2.2	34.2
1	0	0	1	0	0	0	1	0	64	2.0	3.3	24.3	4.2	23.4
1	0	0	1	0	0	0	0	1	76	1.0	3.8	20.9	2.9	10.3
1	0	0	0	1	1	0	0	0	191	1.1	2.8	13.8	2.2	21.1
1	0	0	0	1	0	1	0	0	2132	0.5	1.9	8.2	1.3	27.9
1	0	0	0	1	0	0	1	0	291	0.6	2.3	26.0	1.1	32.1
1	0	0	0	1	0	0	0	1	256	1.0	8.3	25.8	2.1	18.6
1	0	0	0	0	1	1	0	0	878	0.6	4.2	12.7	1.6	29.3
1	0	0	0	0	1	0	1	0	146	1.0	2.9	20.8	1.9	20.2
1	0	0	0	0	1	0	0	1	150	1.4	3.9	24.4	2.9	9.3
1	0	0	0	0	0	1	1	0	944	0.3	2.2	13.5	0.7	26.5
1	0	0	0	0	0	1	0	1	581	0.6	2.6	17.8	1.4	23.0
1	0	0	0	0	0	0	1	1	79	1.0	3.6	18.1	2.2	9.6
1	1	1	1	1	0	0	1	1	457	1.9	7.4	39.7	3.8	23.1
1	1	1	1	1	1	1	1	1	973	0.9	3.6	28.4	1.9	37.8

FIG. 2

SUBSTITUTE SHEET (RULE 26)

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Gonad / Granulosa	Gonad_wk7	primary_GC	primordial_GC	FOXL2_tdT+	COV434	iPSC
ALDH1A2	6.6	1.3	1.7	5.1	0.3	0.2
AMHR2	6.3	2.5	2.5	4.1	0.1	0.1
CD82	1.9	2.8	4.9	4.5	1.7	3.2
CDH2	7.1	2.6	0.9	6.5	1.9	5.5
COL1A1	9.5	1.2	0.9	8.9	1.4	4.9
CXCL12	8.0	0.4	0.4	5.8	0.2	5.9
FOXL2	0.9	3.3	4.2	3.7	0.0	1.1
FSHR	1.4	0.6	0.4	0.4	0.0	0.0
IGF2	9.9	0.8	1.0	11.2	5.2	2.1
IGFBP7	5.3	6.3	2.3	8.8	9.5	1.2
KRT19	3.7	1.4	2.6	7.1	0.0	6.7
LHX9	7.3	0.0	0.1	0.3	0.4	0.0
MYRF	7.5	0.9	1.1	3.4	1.0	1.4
NR2F2	9.0	1.9	1.2	6.5	7.5	0.2
NR5A1	5.5	0.7	0.0	11.3	0.1	1.6
RSP01	4.8	0.0	0.0	0.8	0.1	0.1
STAR	7.0	3.7	4.0	7.8	0.1	1.6
TCF21	4.6	0.9	0.8	9.4	0.0	1.0
VIM	8.2	9.0	9.3	10.1	3.6	5.7
WNT4	4.1	0.0	0.0	2.4	0.3	0.3
WT1	8.6	2.2	2.3	0.3	7.9	0.0
Adrenal						
NTRK2	5.9	0.7	0.8	0.8	2.7	0.1
OSR2	1.8	0.4	1.0	0.7	2.2	0.4
Pluripotent						
SOX2	0.1	0.1	0.1	1.3	0.9	7.8
NANOG	2.9	0.4	0.1	0.6	0.1	8.2
POU5F1	0.5	0.24	0.1	4.2	0.6	11.1

FIG. 3

SUBSTITUTE SHEET (RULE 26)

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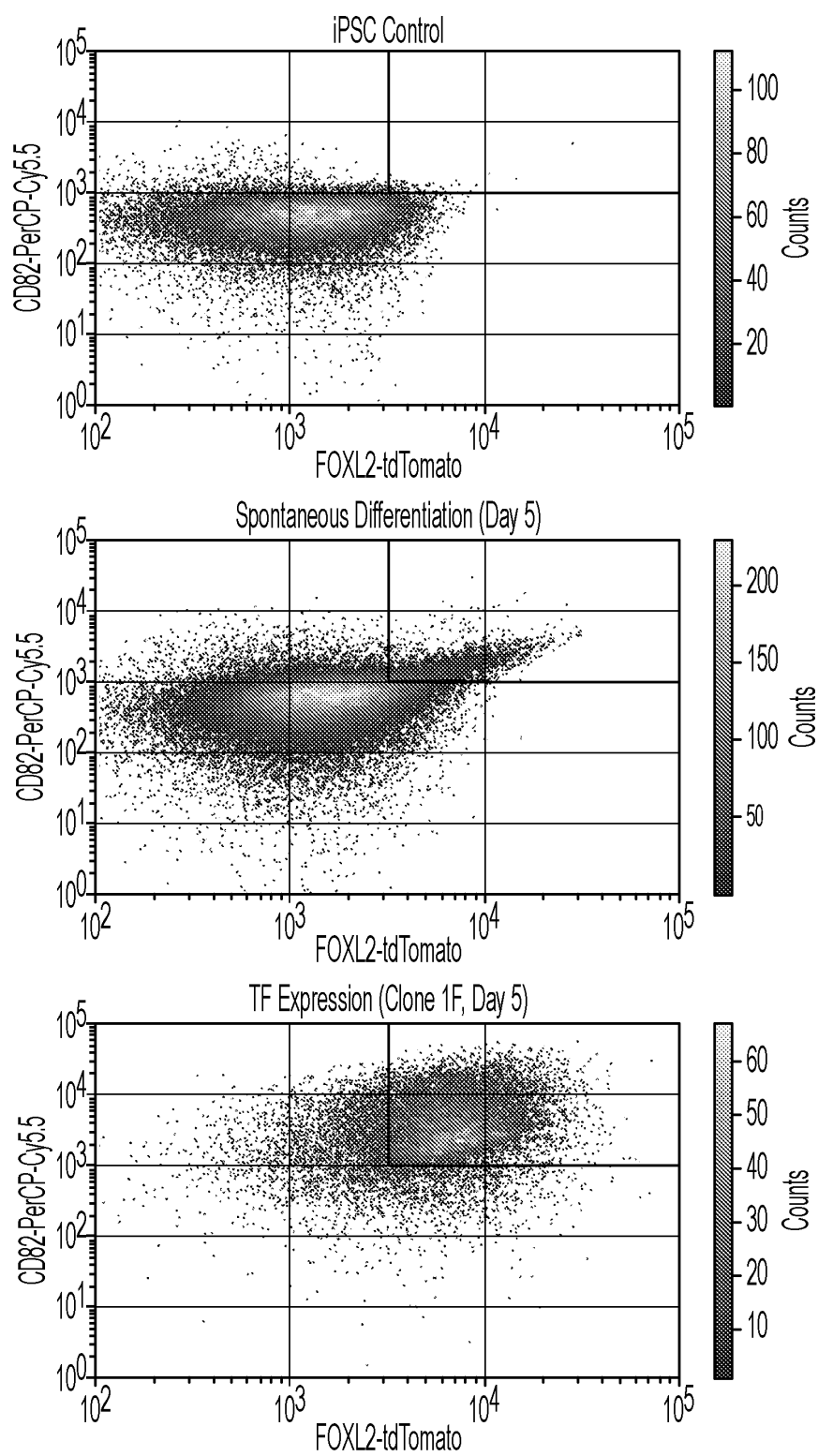


FIG. 4

SUBSTITUTE SHEET (RULE 26)

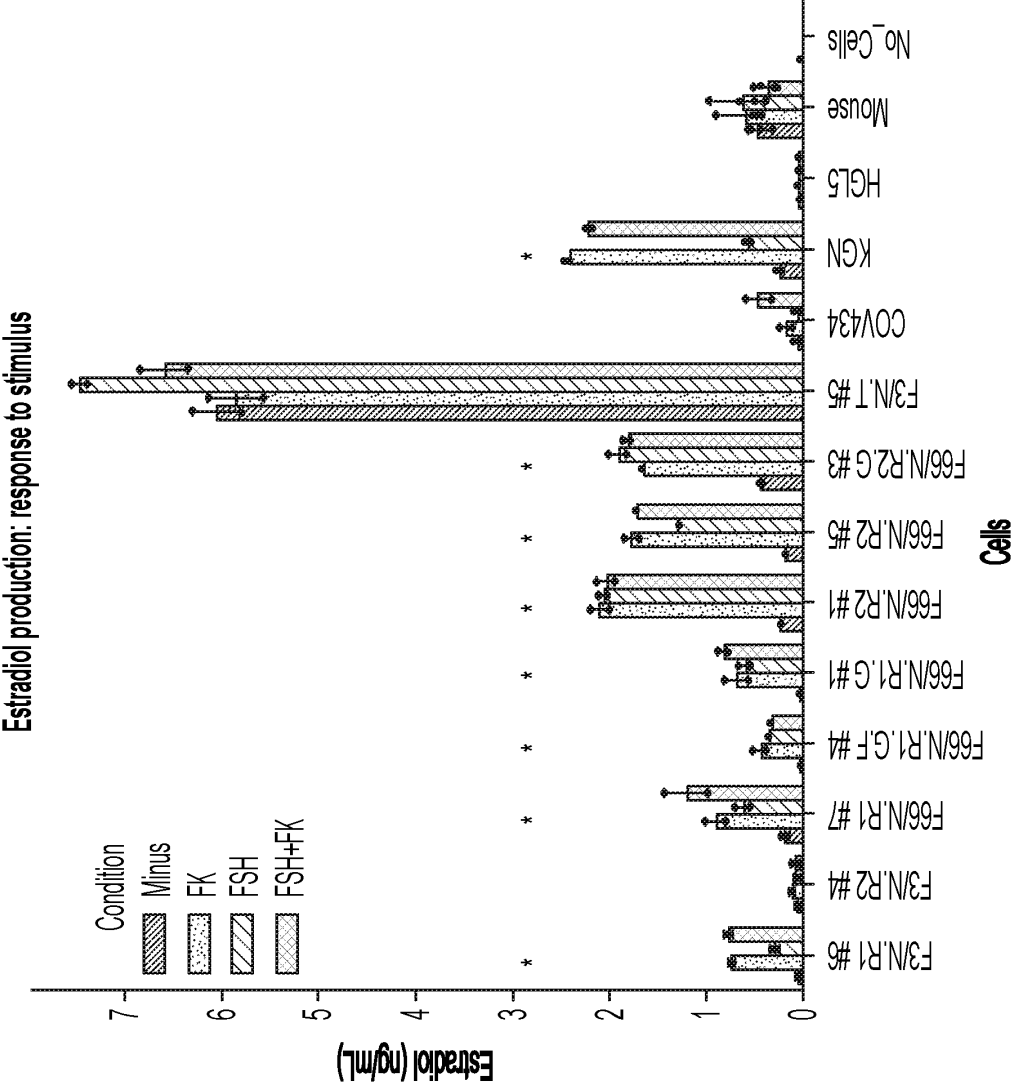


FIG. 5A

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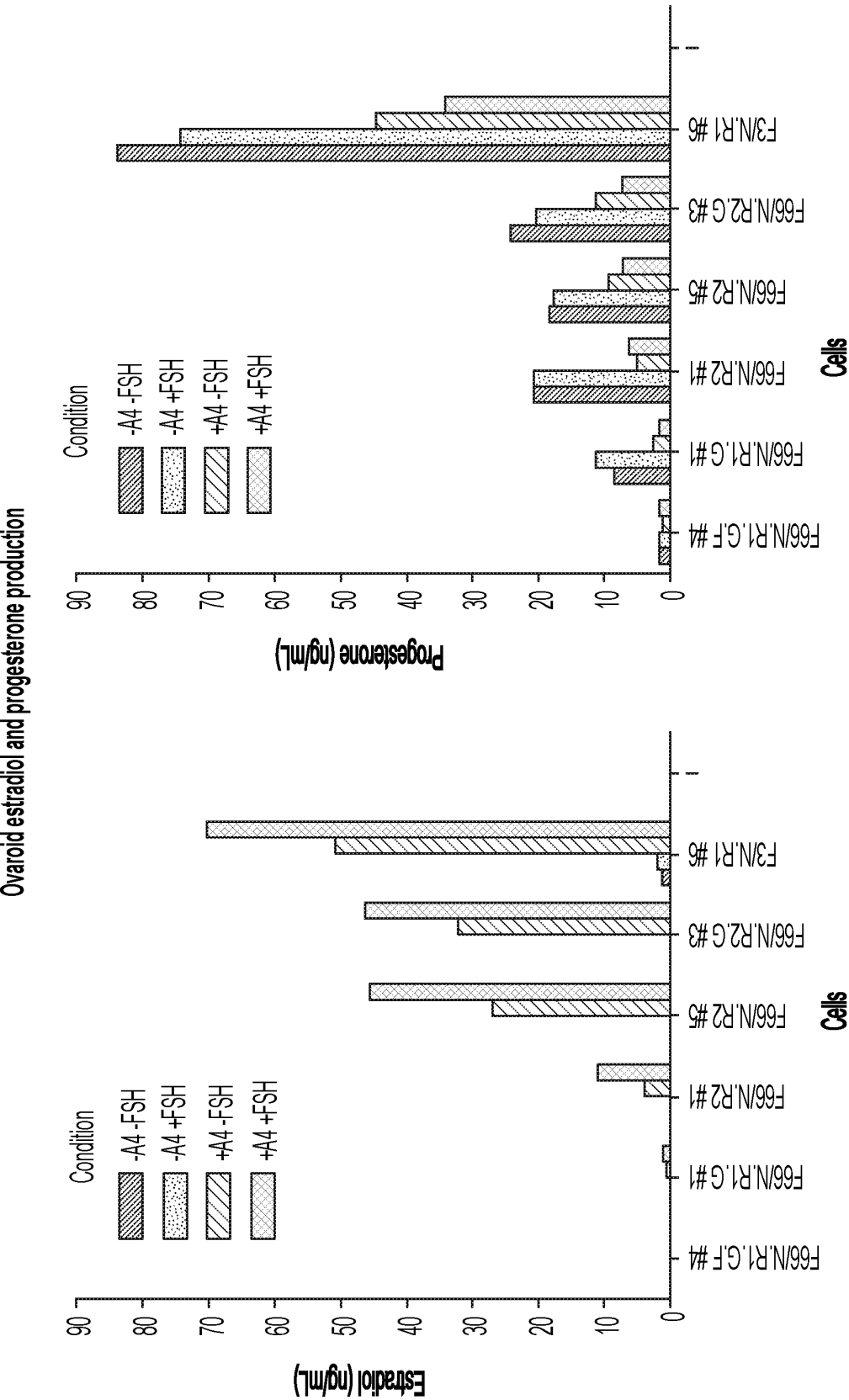


FIG. 5B

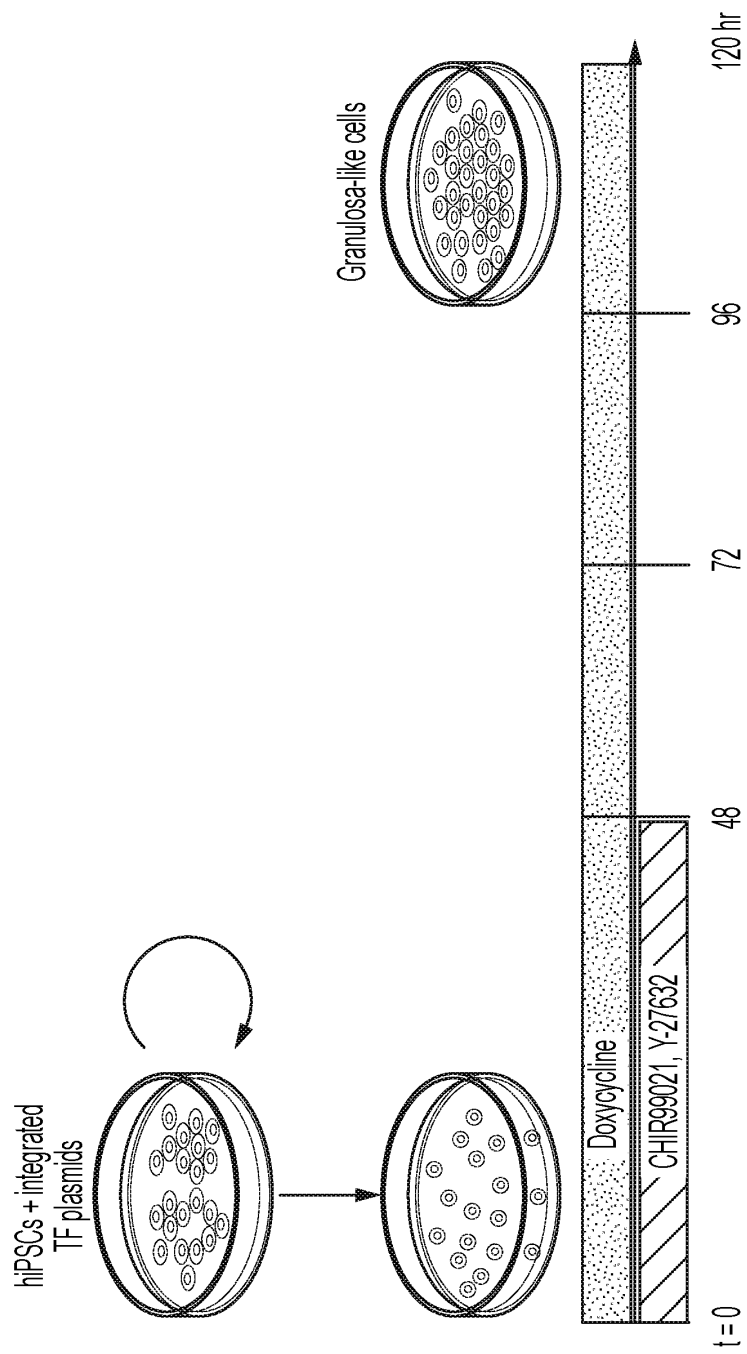


FIG. 6

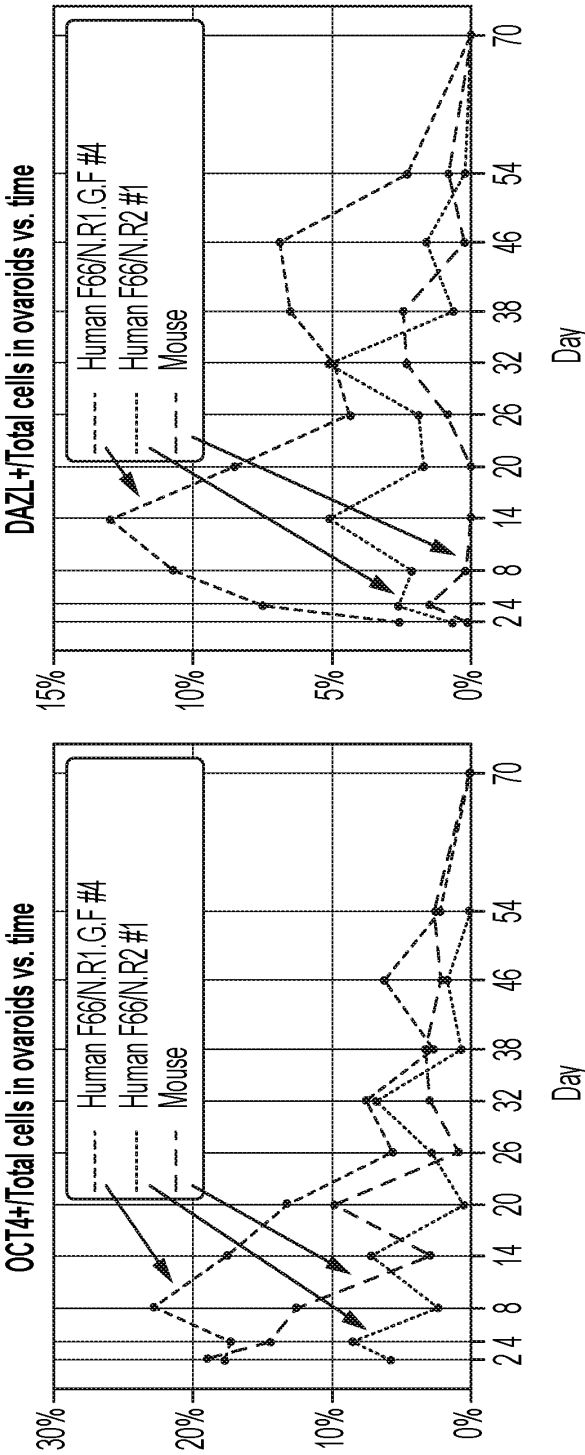


FIG. 7

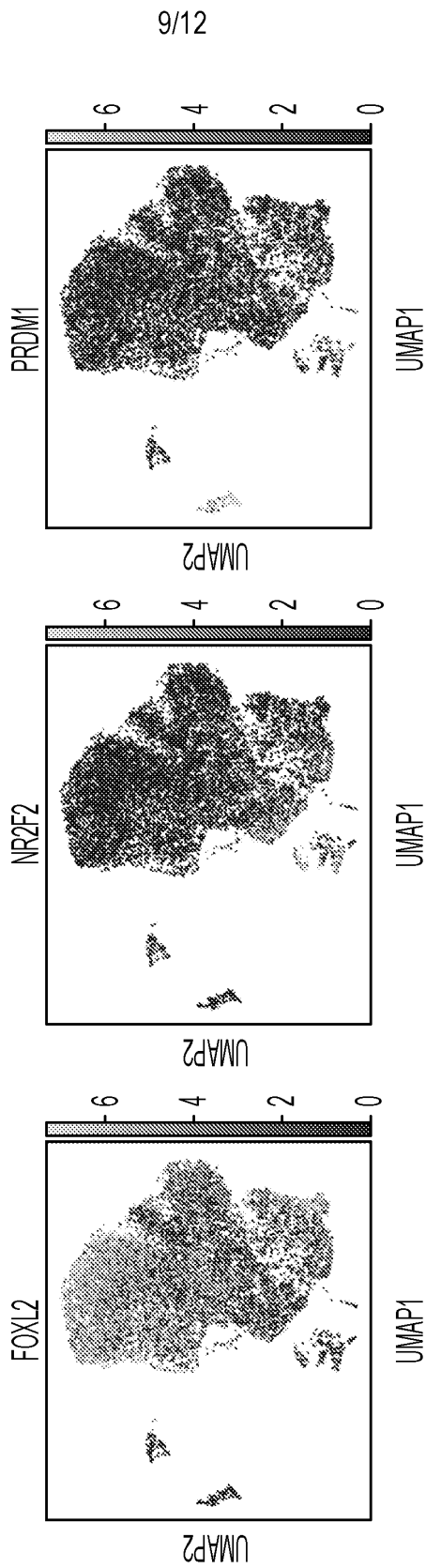


FIG. 8A

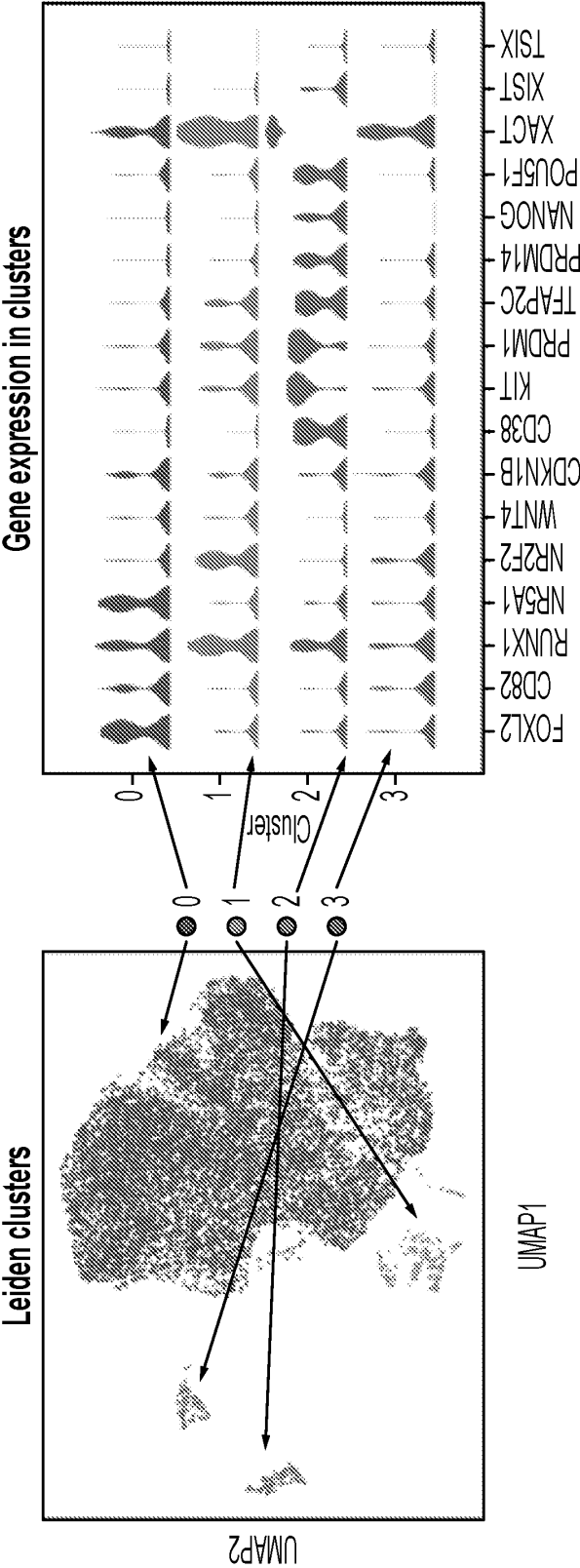


FIG. 8B

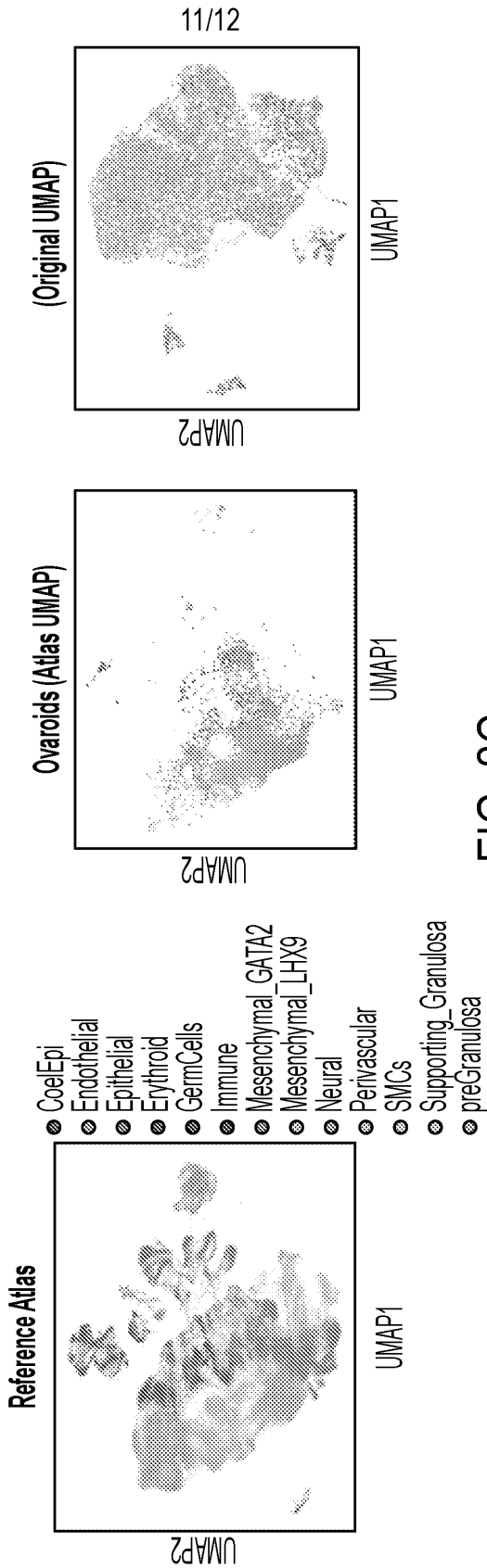


FIG. 8C

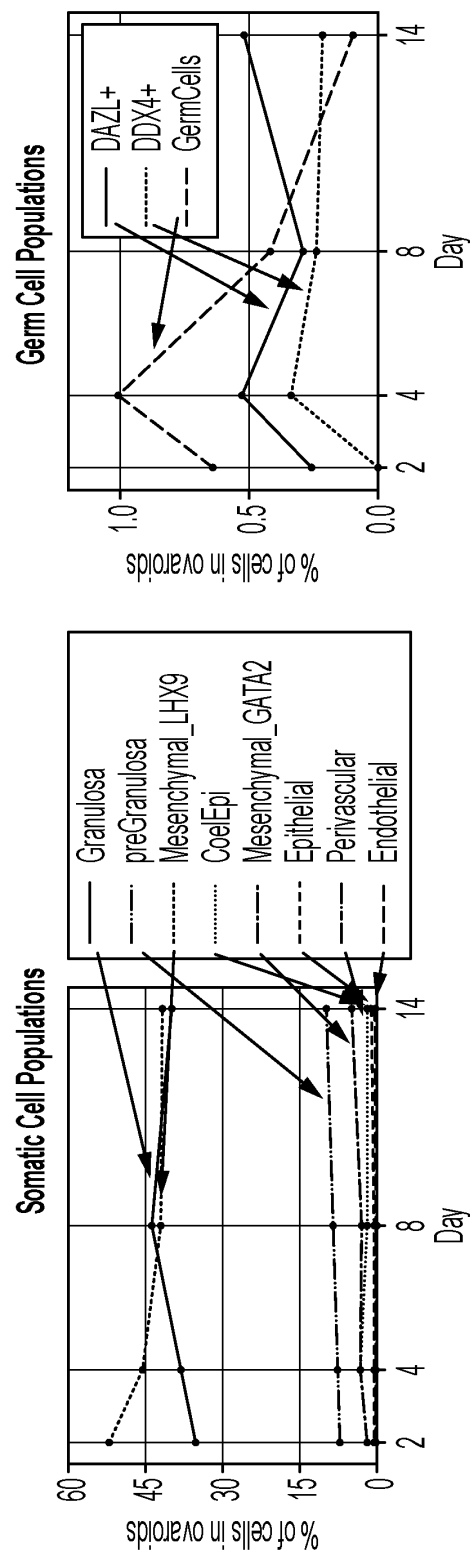


FIG. 8D