FIG. 1

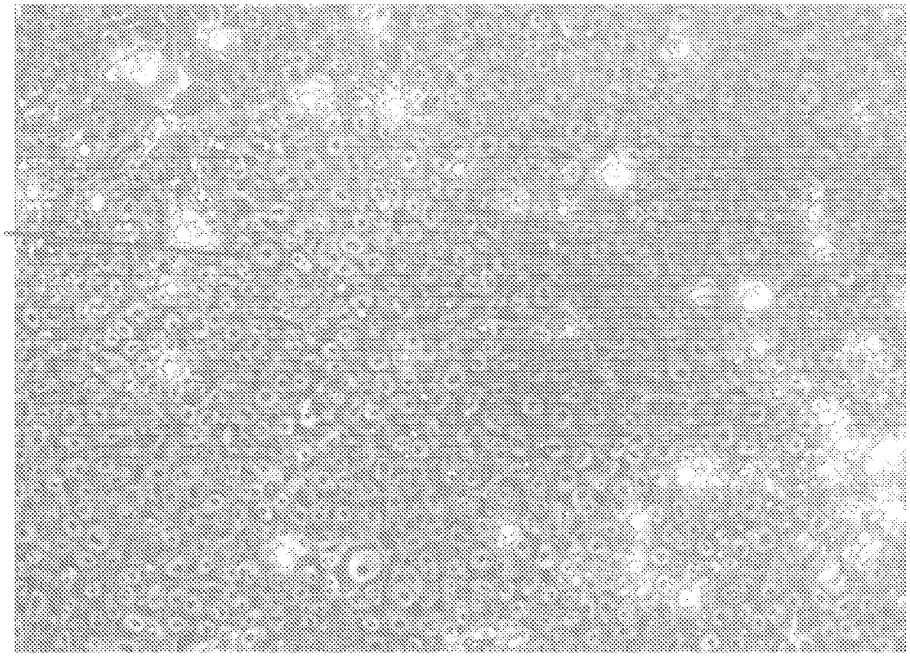


FIG. 2

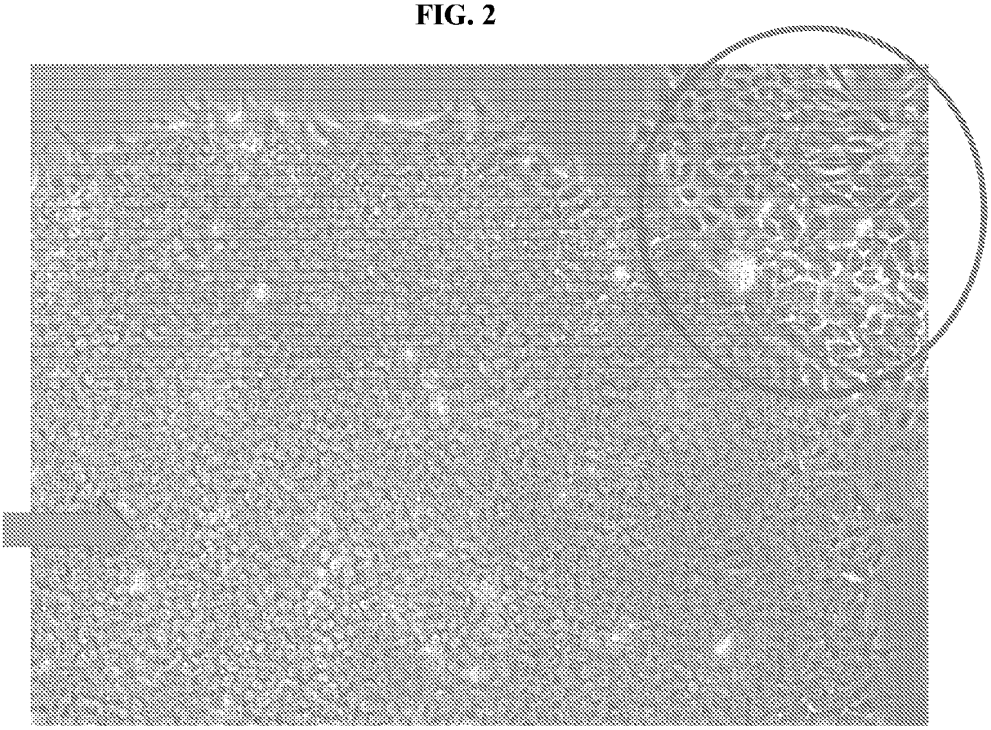


FIG. 3A

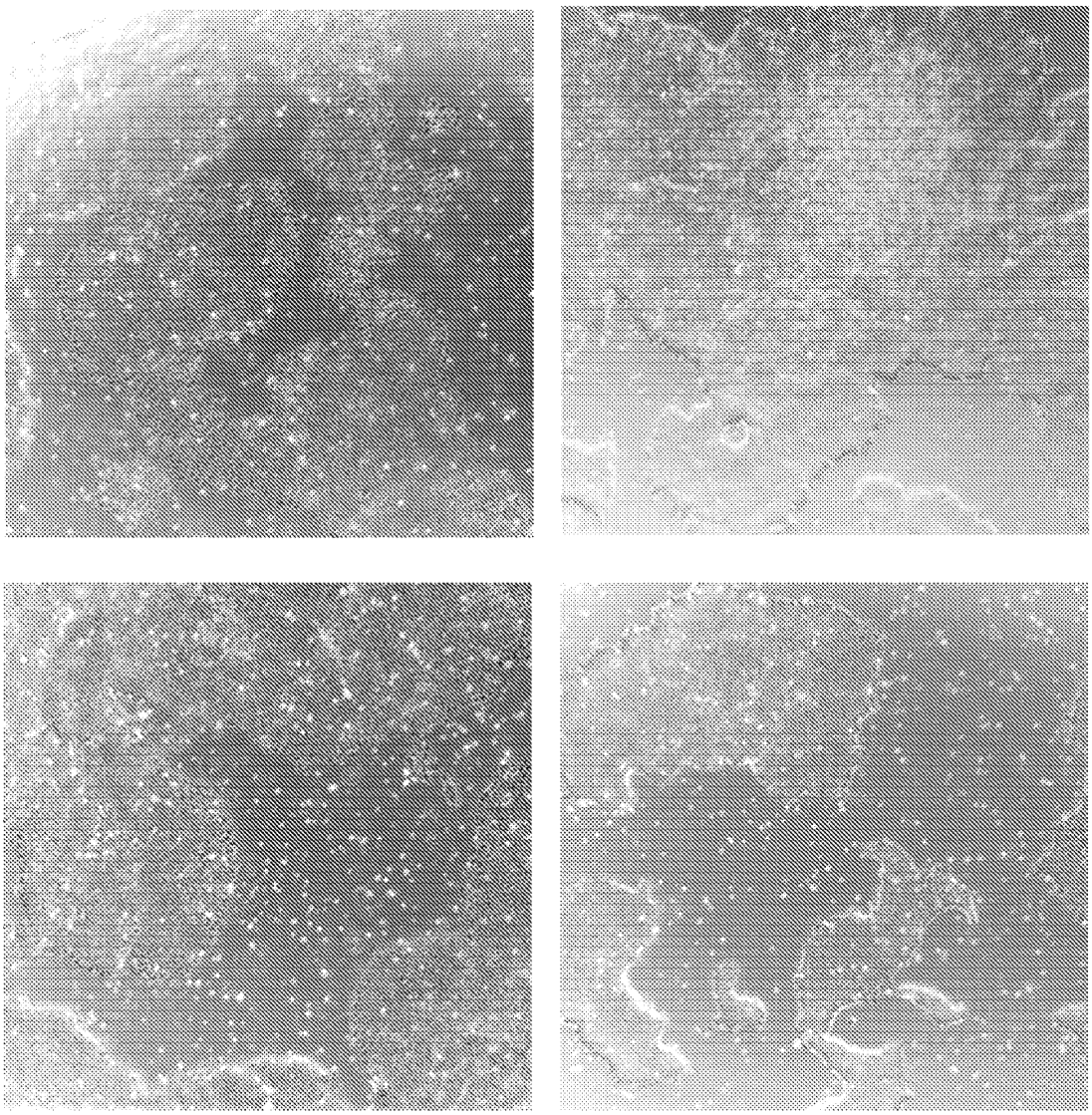


FIG. 3B

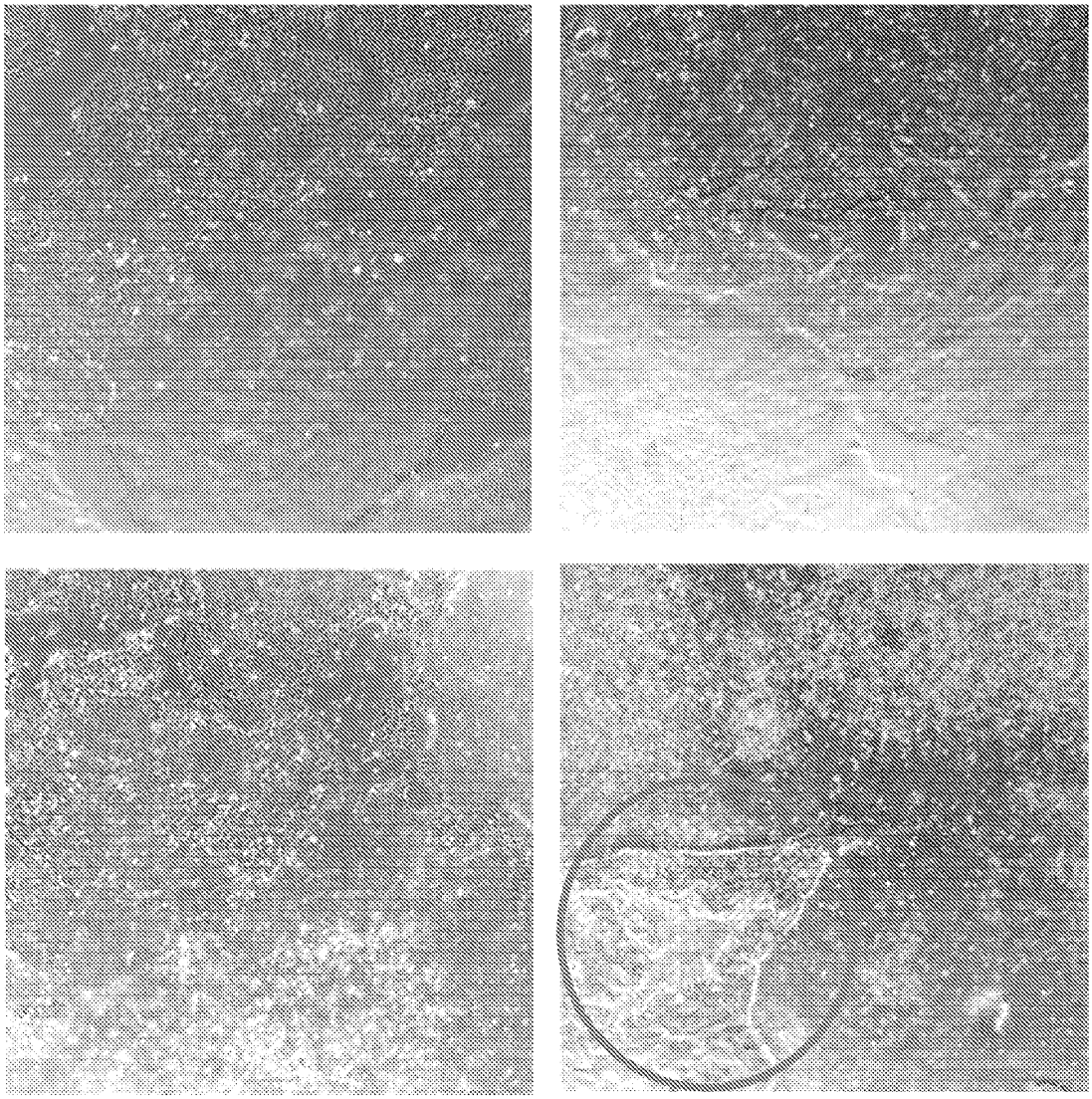


FIG. 3C

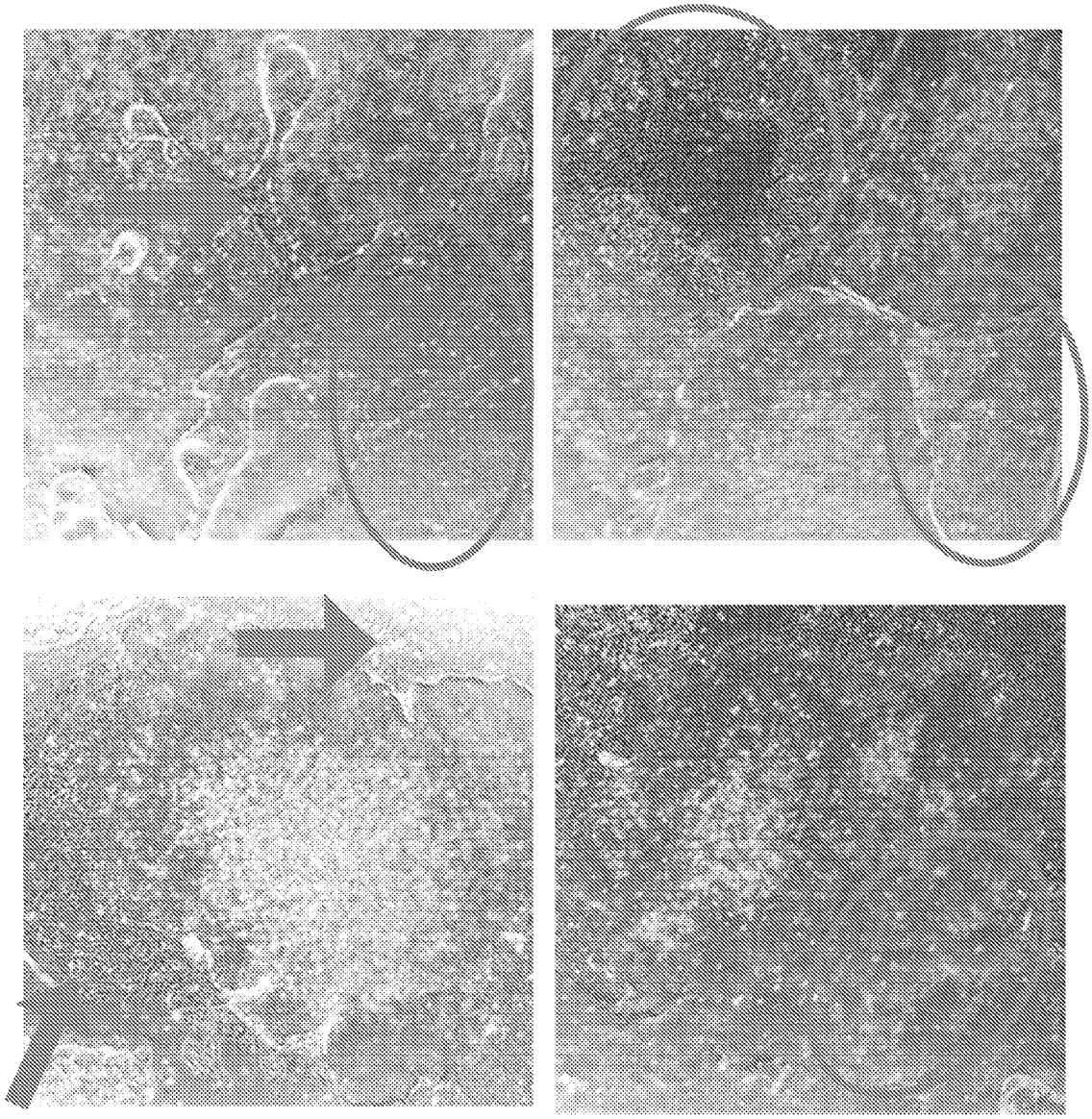


FIG. 3D

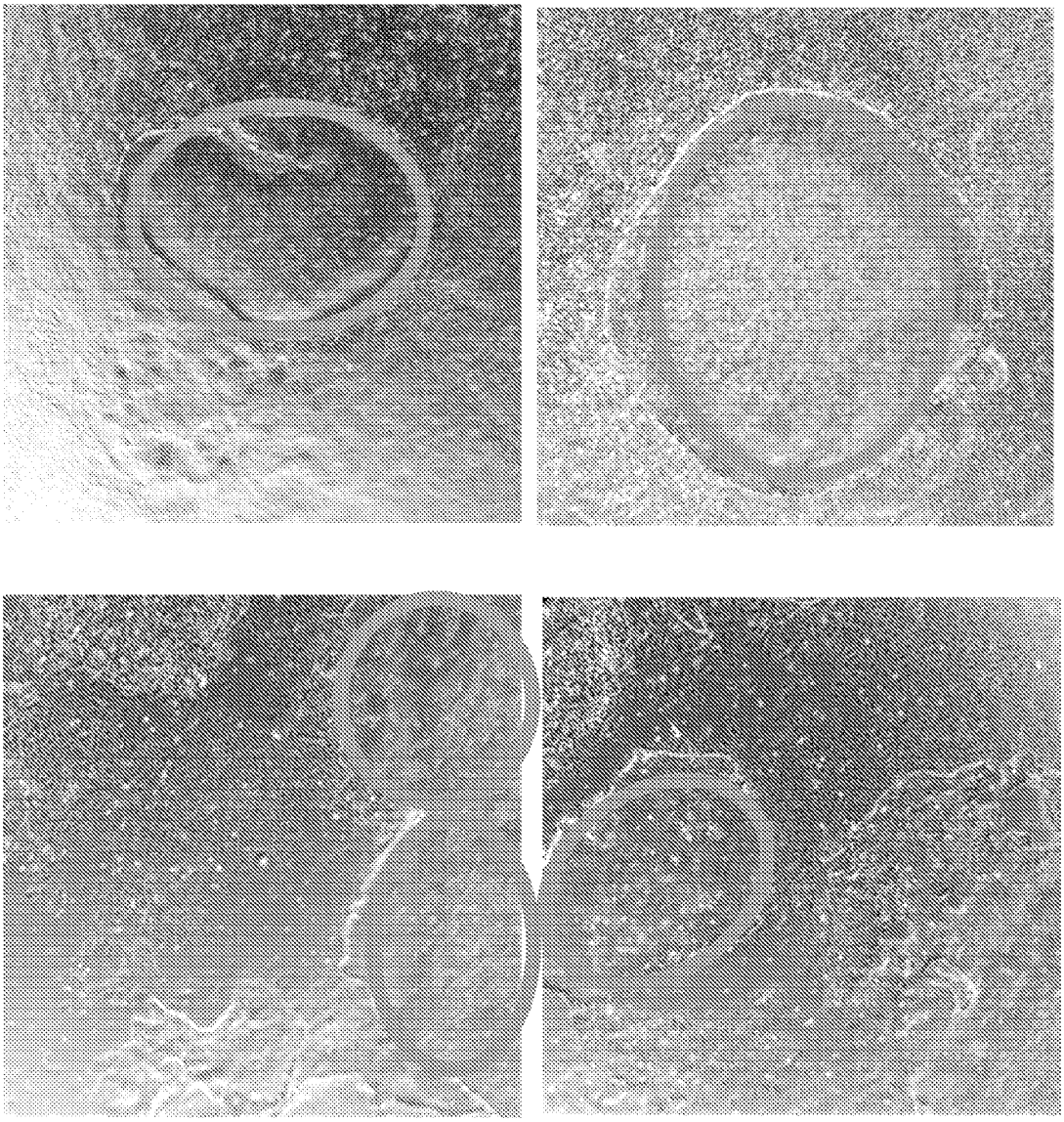


FIG. 3E

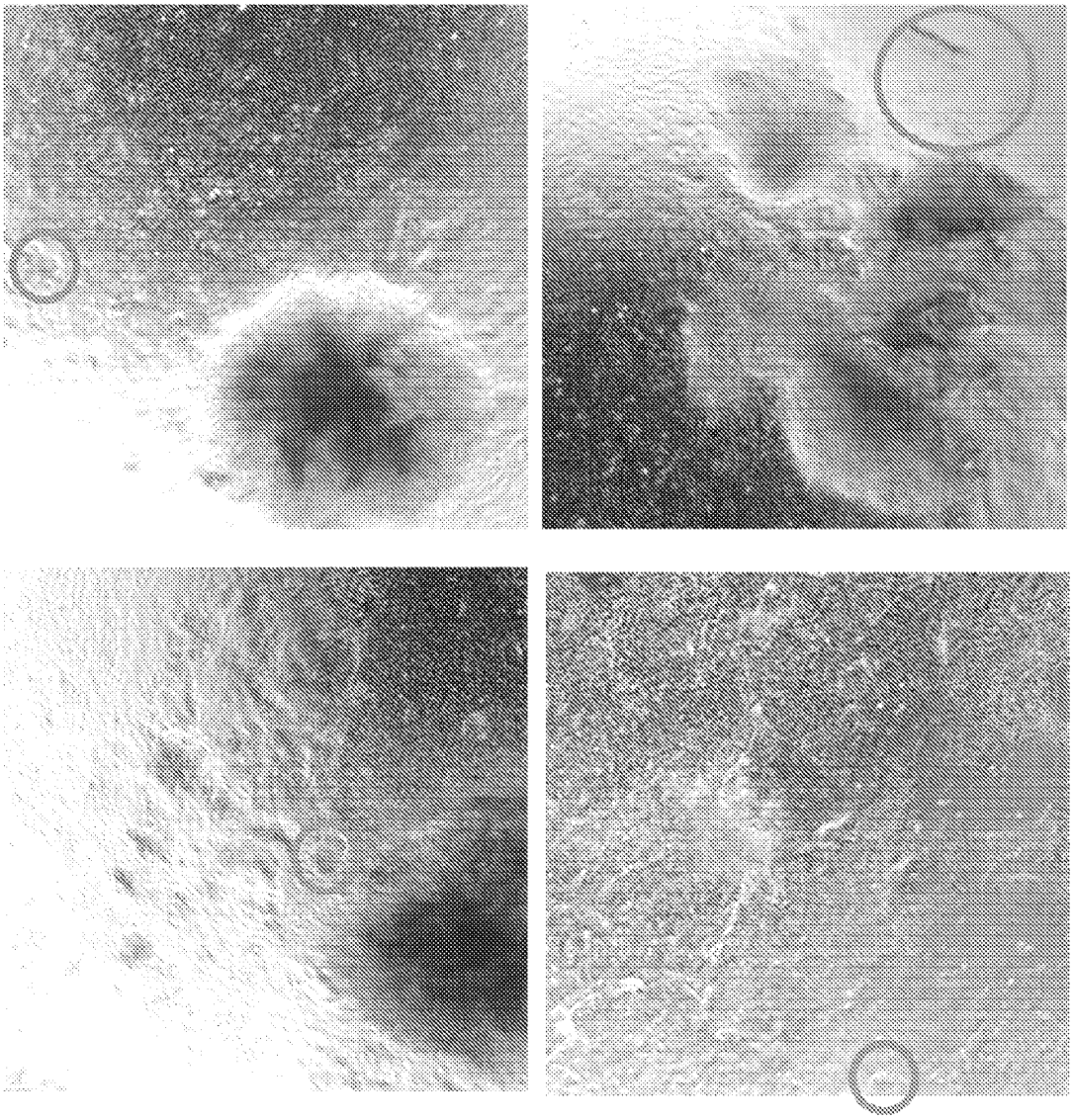


FIG. 4A

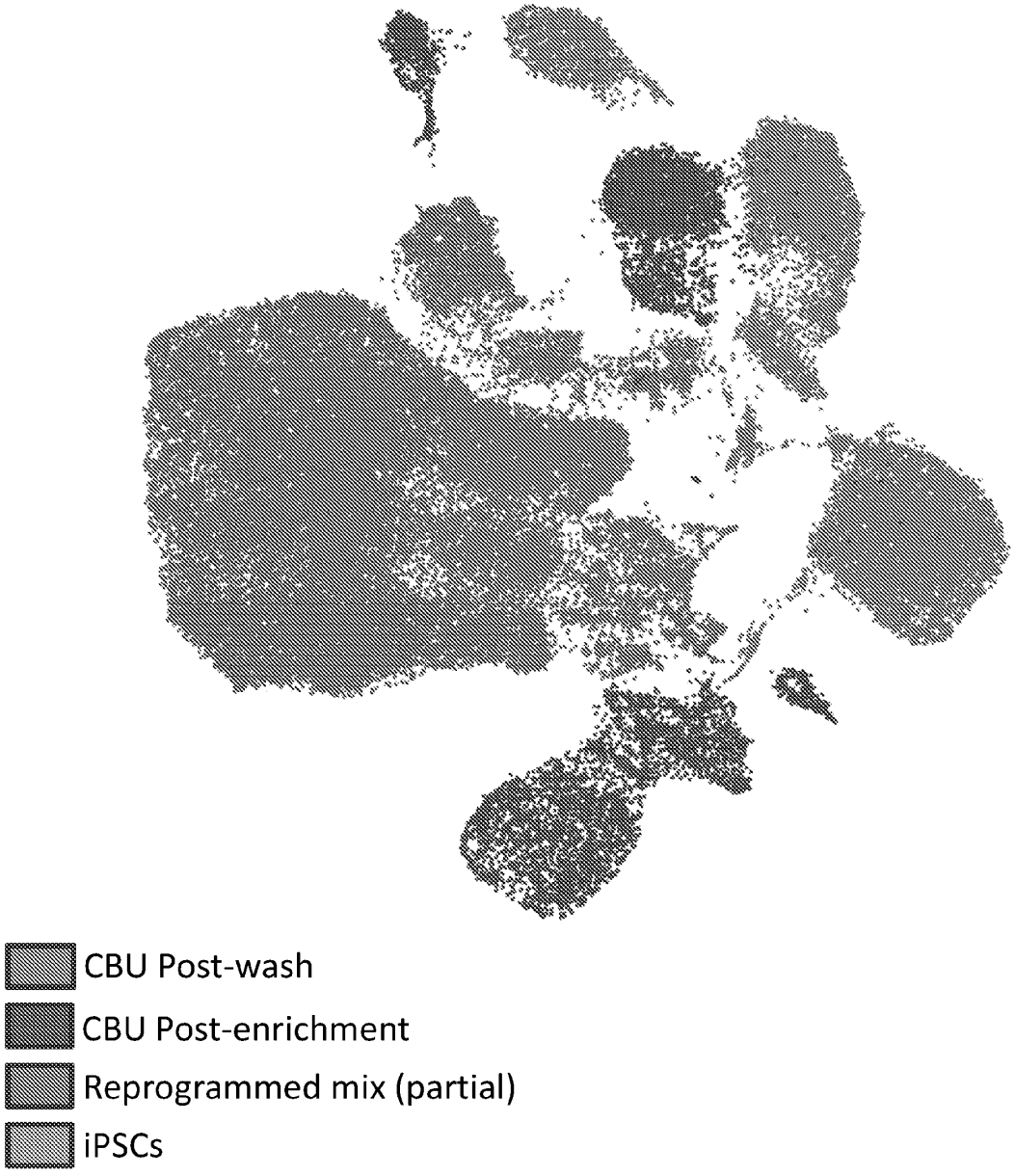

CBU Post-wash
CBU Post-enrichment
Reprogrammed mix (partial)
iPSCs

FIG. 4B

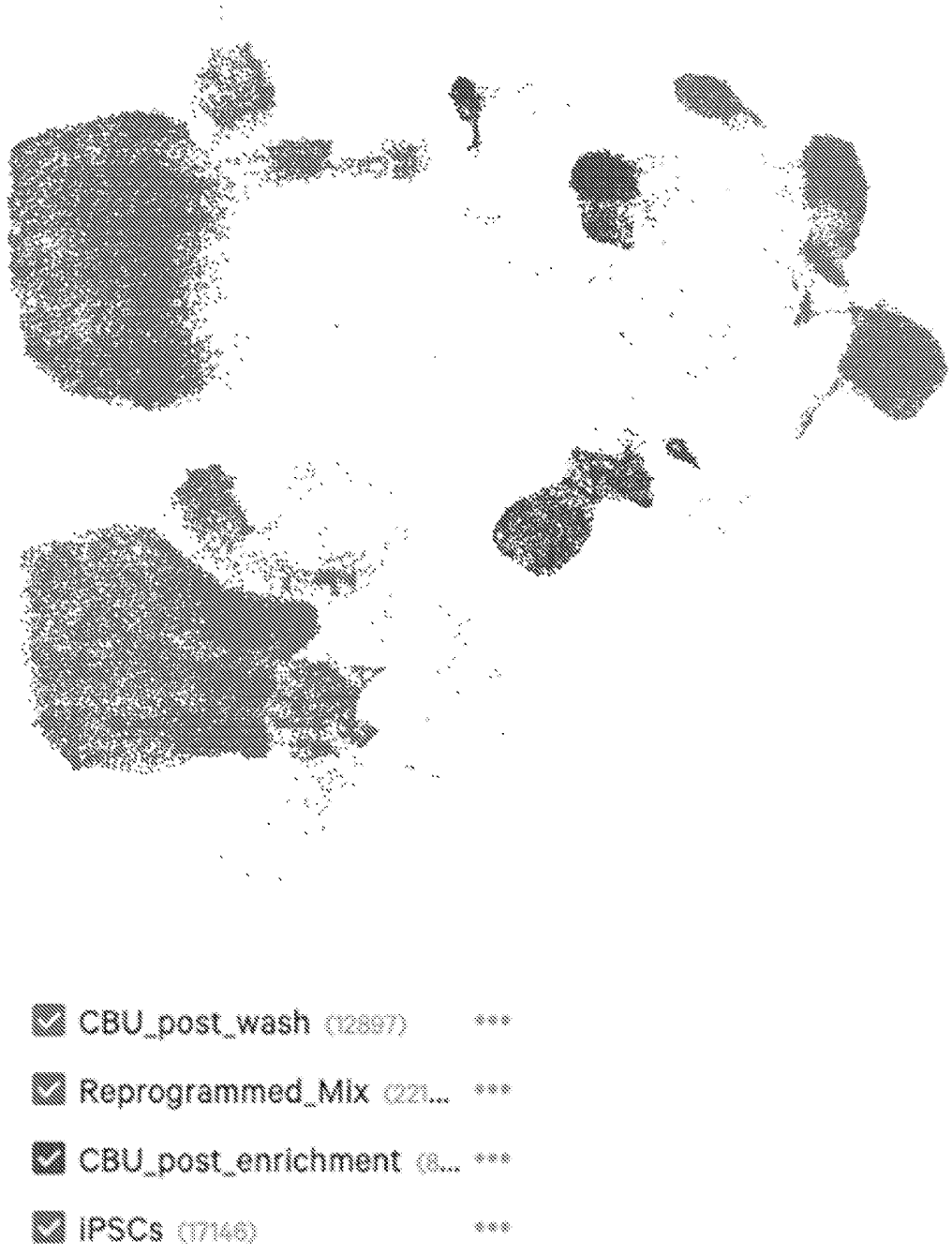

CBU_post_wash (12897) ***
Reprogrammed_Mix (22... ***
CBU_post_enrichment (8... ***
IPSCs (17140) ***

FIG. 5

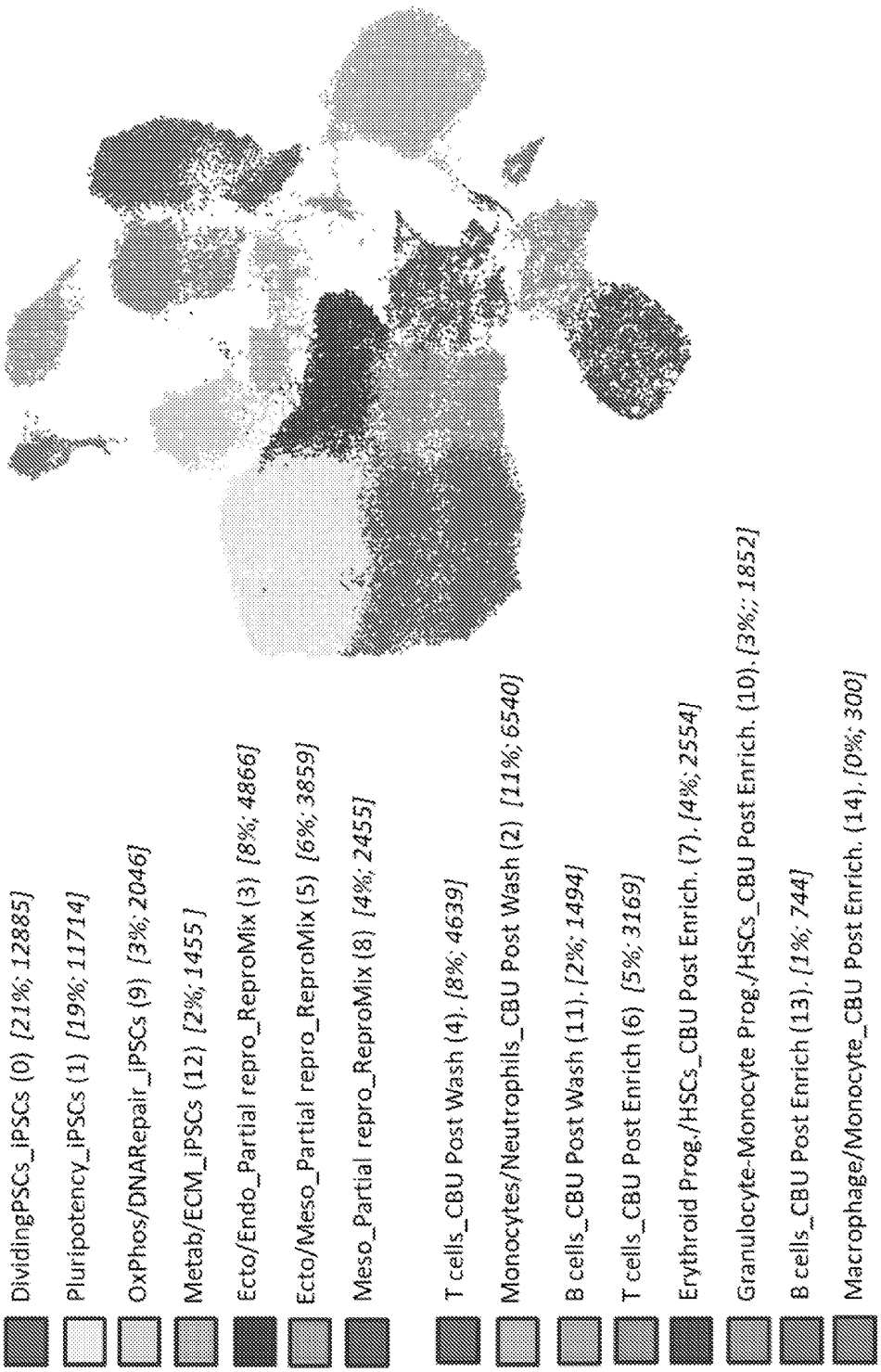

DividingPSCs_iPSCs (0) [21%; 12885]
Pluripotency_iPSCs (1) [19%; 11714]
OxPhos/DNARepair_iPSCs (9) [3%; 2046]
Metab/ECM_iPSCs (12) [2%; 1455]
Ecto/Endo_Partial repro_ReproMix (3) [8%; 4866]
Ecto/Meso_Partial repro_ReproMix (5) [6%; 3859]
Meso_Partial repro_ReproMix (8) [4%; 2455]
T cells_CBU Post Wash (4). [8%; 4639]
Monocytes/Neutrophils_CBU Post Wash (2) [11%; 6540]
B cells_CBU Post Wash (11). [2%; 1494]
T cells_CBU Post Enrich (6) [5%; 3169]
Erythroid Prog./HSCs_CBU Post Enrich. (7). [4%; 2554]
Granulocyte-Monocyte Prog./HSCs_CBU Post Enrich. (10). [3%;; 1852]
B cells_CBU Post Enrich (13). [1%; 744]
Macrophage/Monocyte_CBU Post Enrich. (14). [0%; 300]

FIG. 6

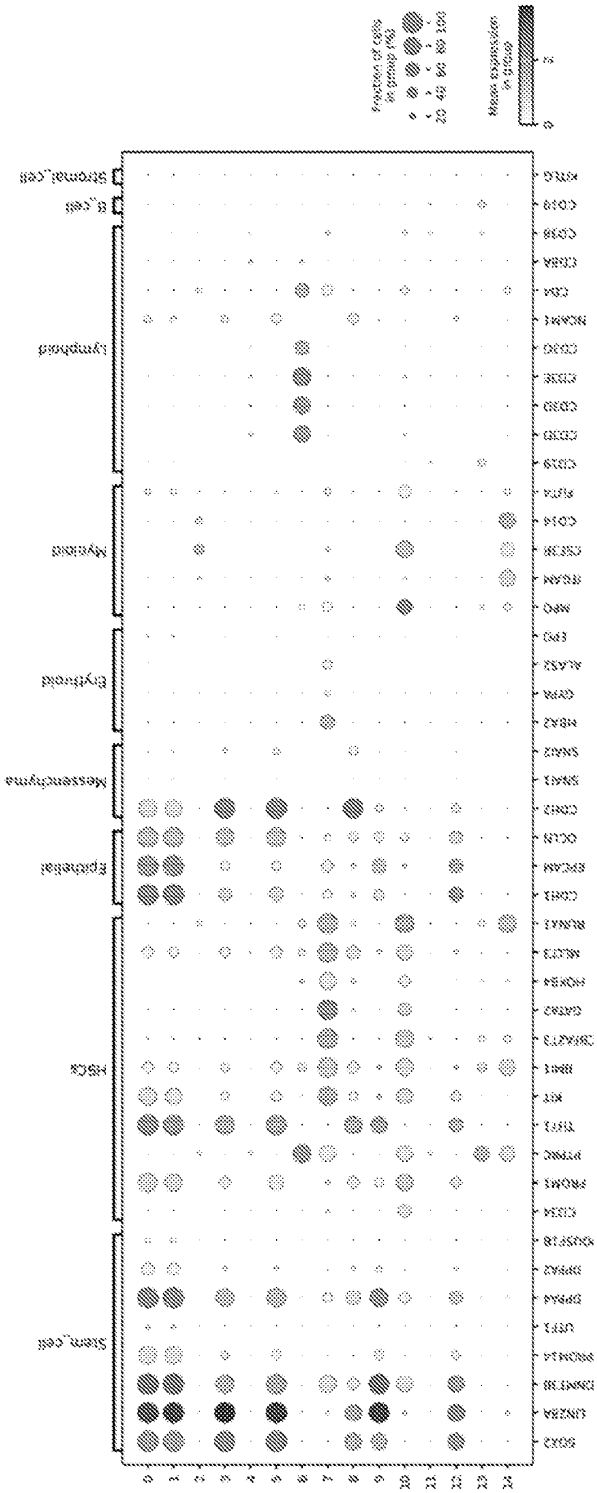

Fraction of cells in group (%)
20
40
60
80
100
Mean expression in group
2
0
Stem_cell
HSCs
Erythroblast
Megakaryocyte
Monocyte
Lymphoid
B_cell
Stromal_cell
SOX2
LMO2A
DNMT3B
PDGFRA
USF1
DPP4
DPP6
VCAM1
CD34
PROM1
PTPRC
TET1
KIT
BMP4
DNMT3A
GATA2
HOXB4
MLF1
RUNX1
CBFA2
ERCC4
GCLC
CHD1
SOX4
MBD2
SOX17
ALAS2
CPOX
HBA2
EPO
MPO
ITGAM
CSF3R
CD14
PECT
CD19
CD79A
CD38
CD3E
CD3D
CD4
NCAM1
CD56
CD8A
CD8B
KITLG
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14



FIG. 7

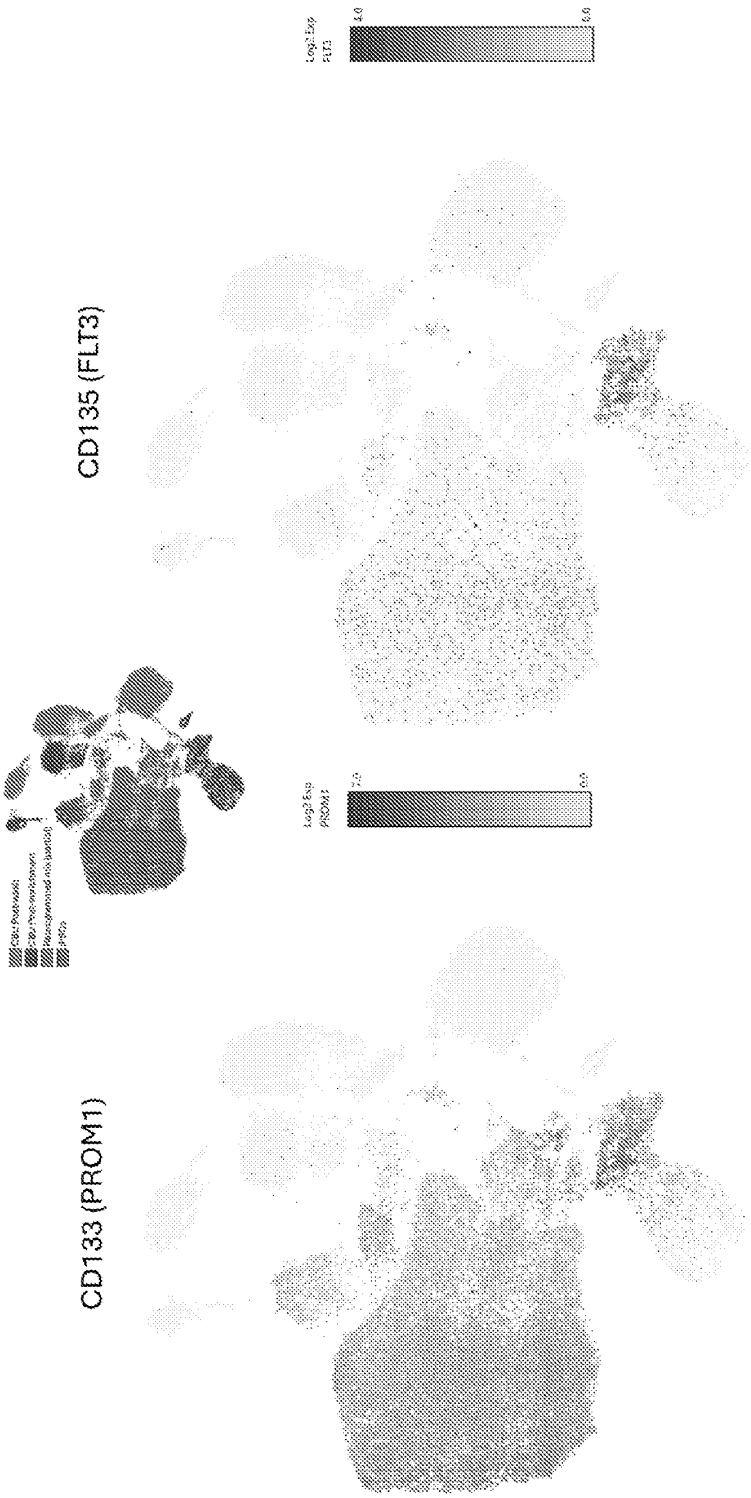


FIG. 8



FIG. 9



FIG. 10



FIG. 11

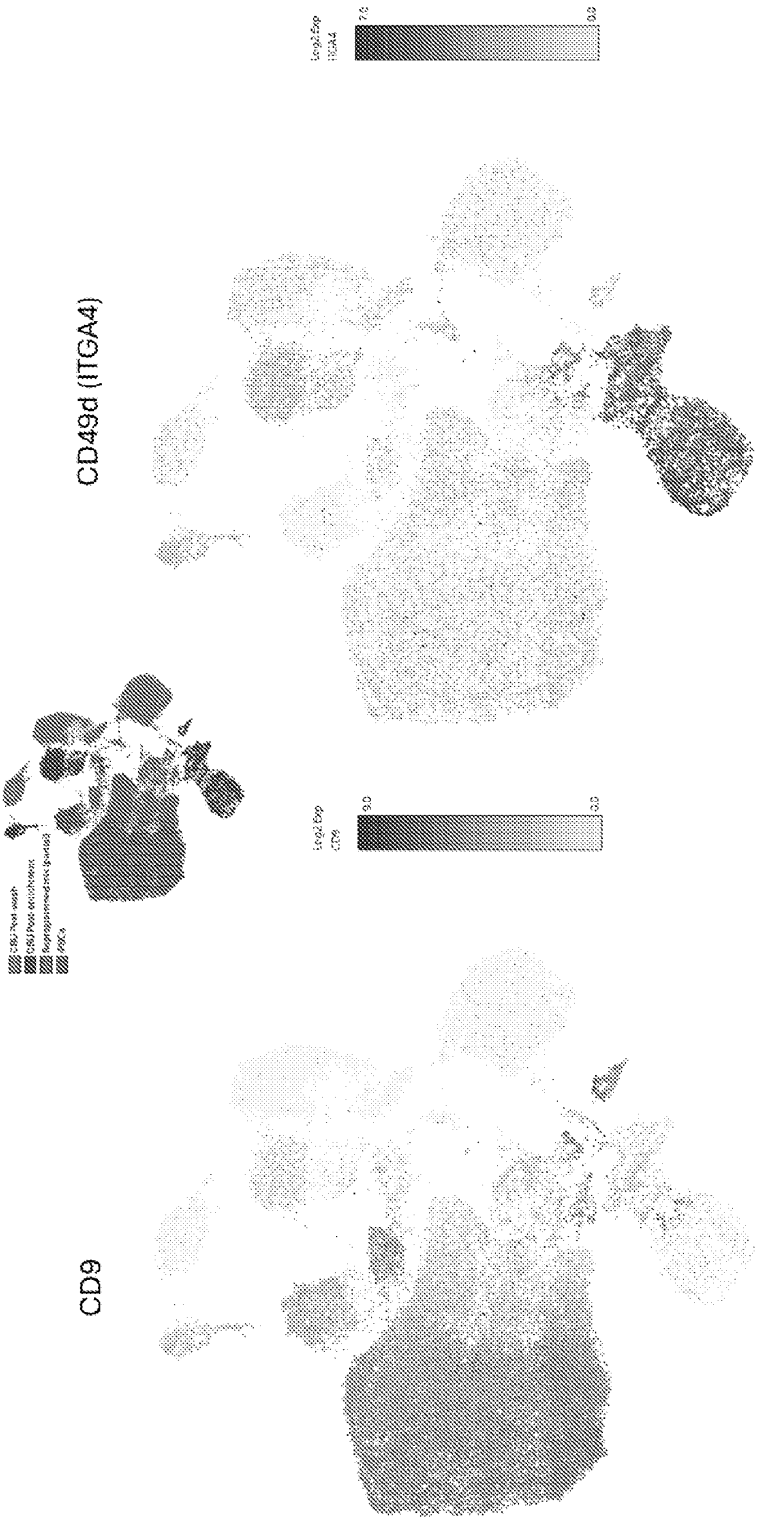


FIG. 12

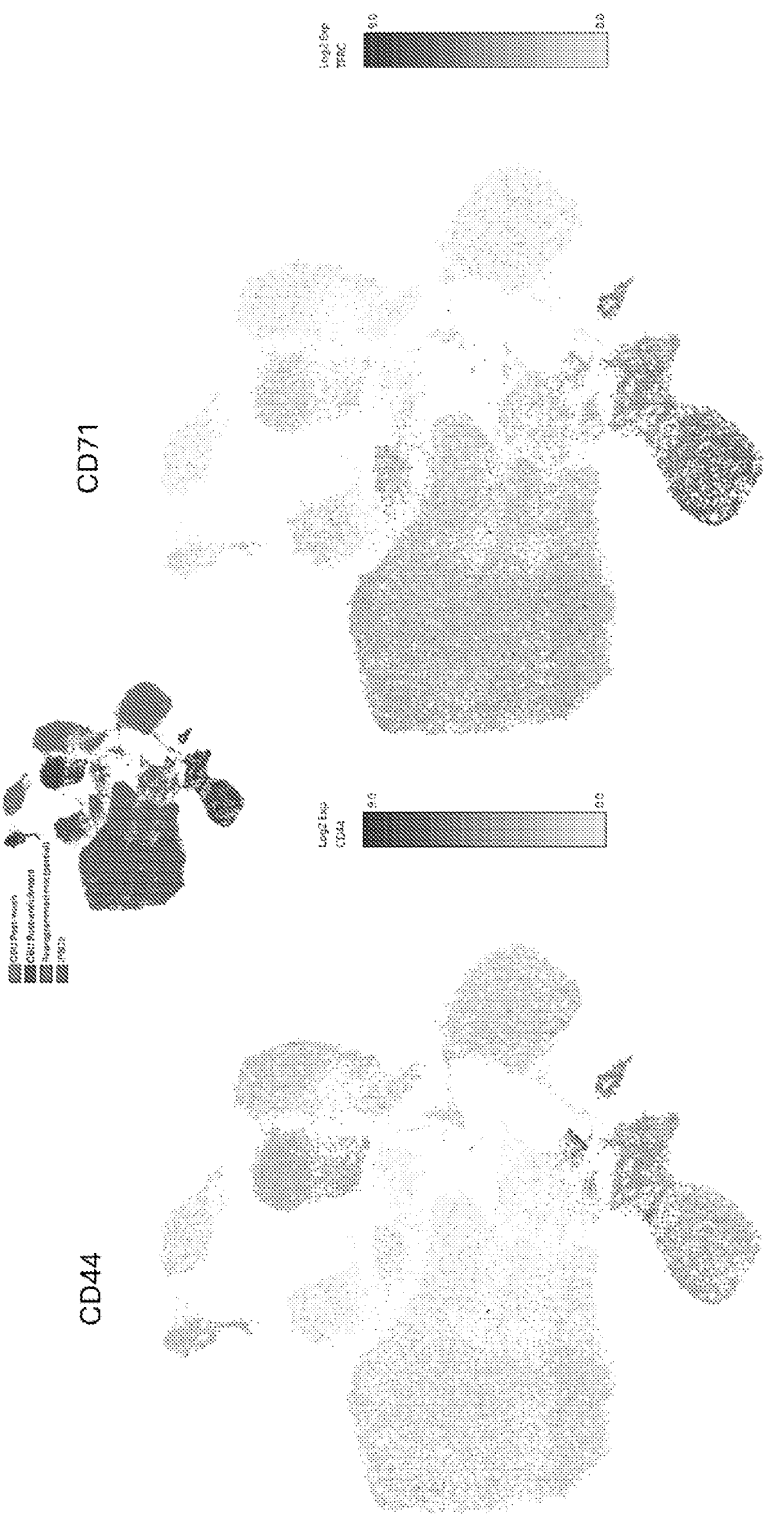


FIG. 13

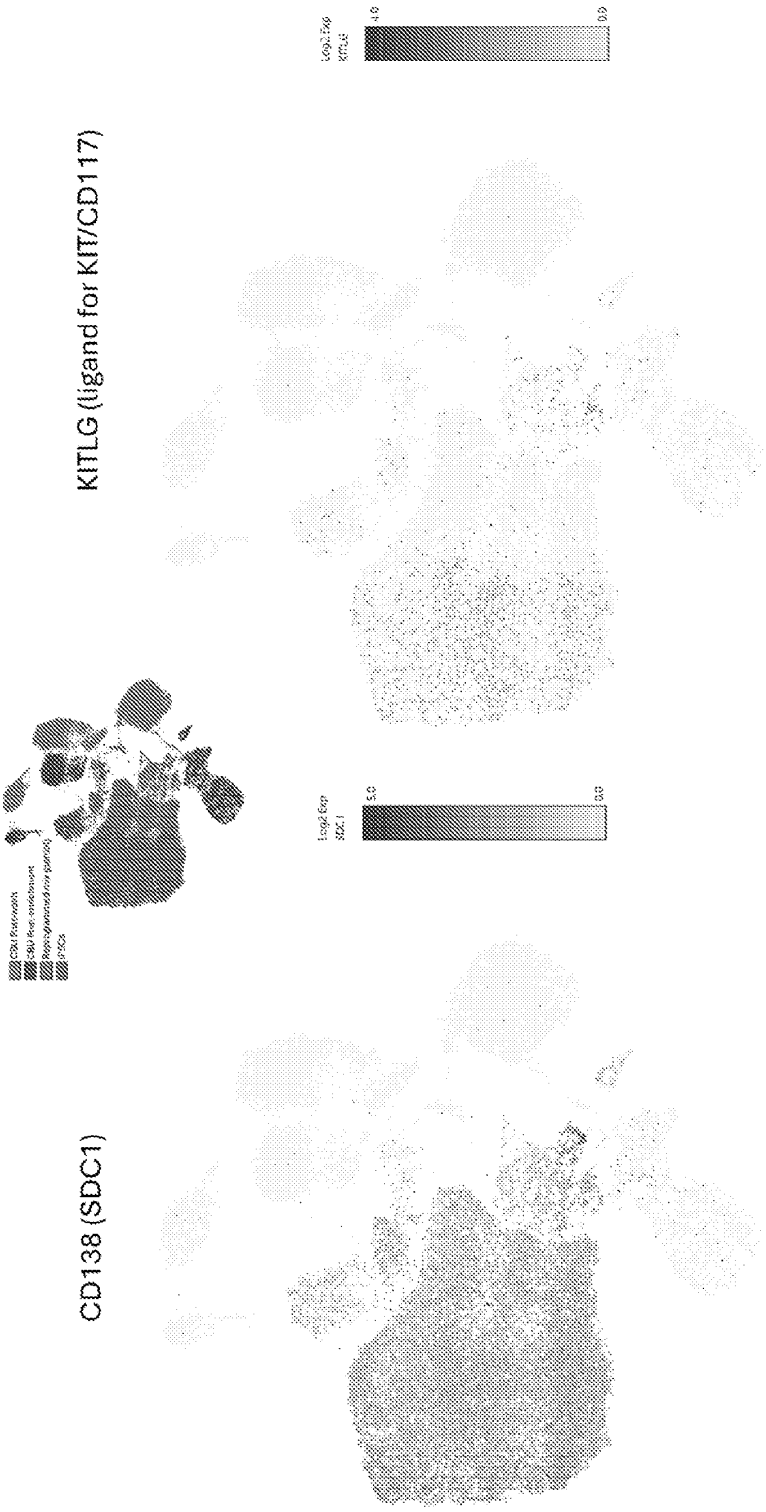


FIG. 14



FIG. 15

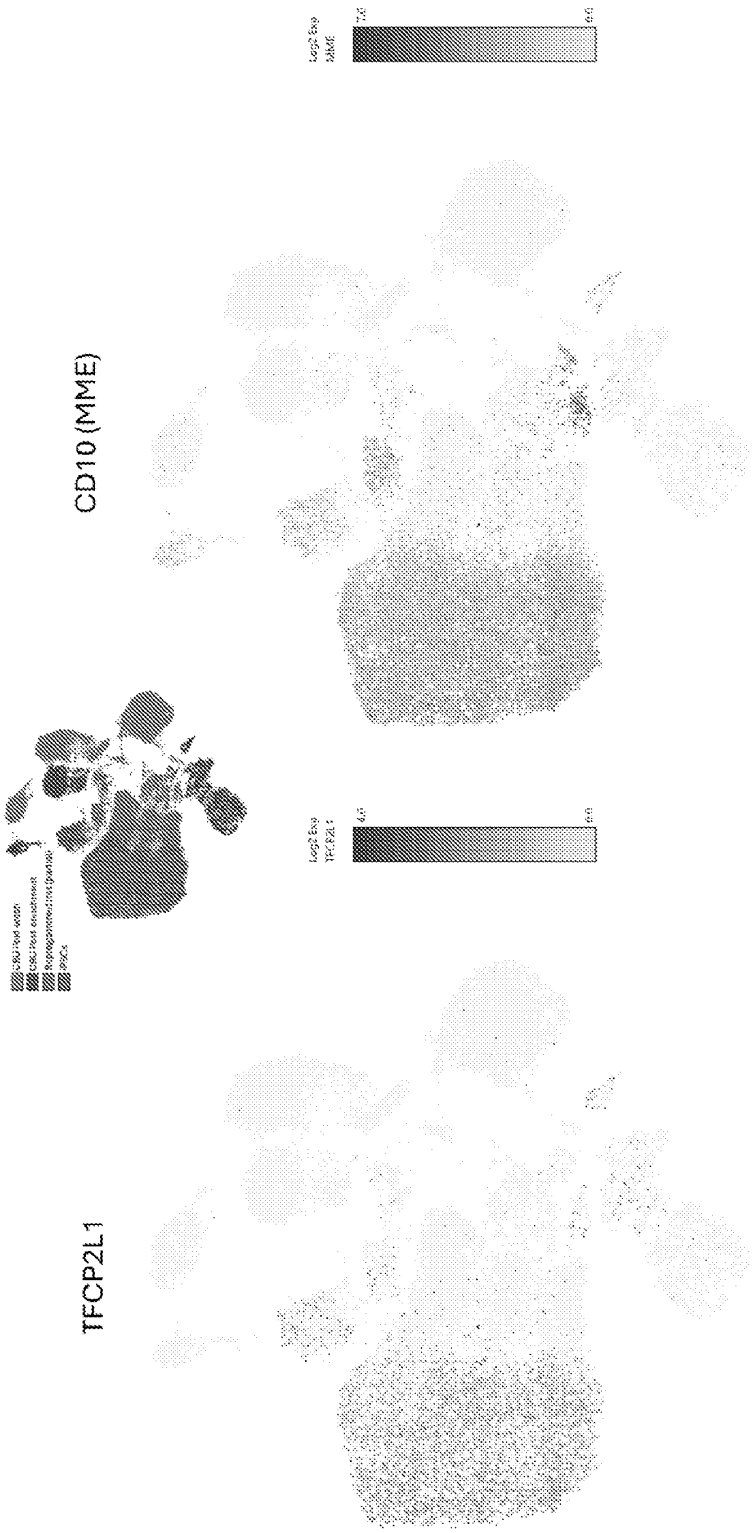


FIG. 16

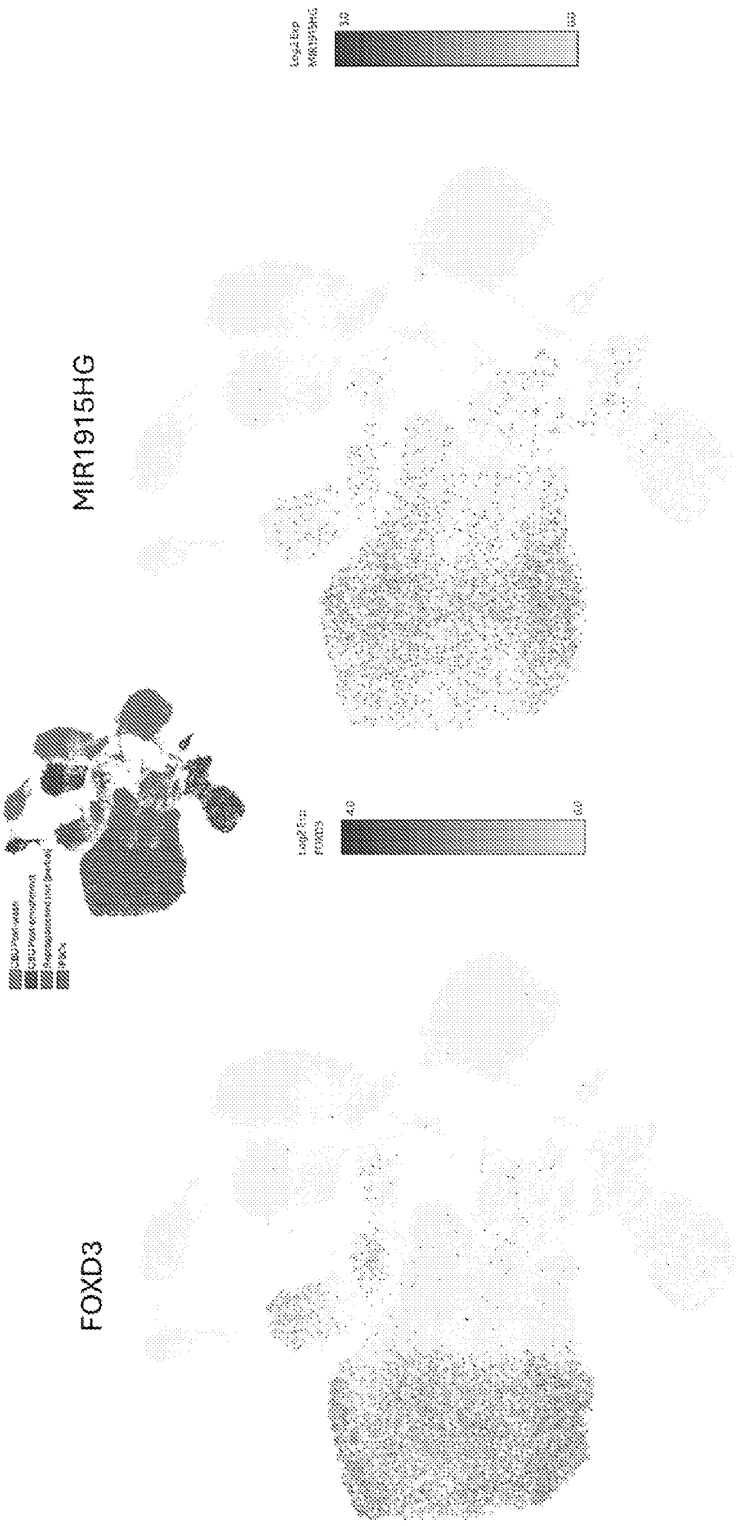


FIG. 17

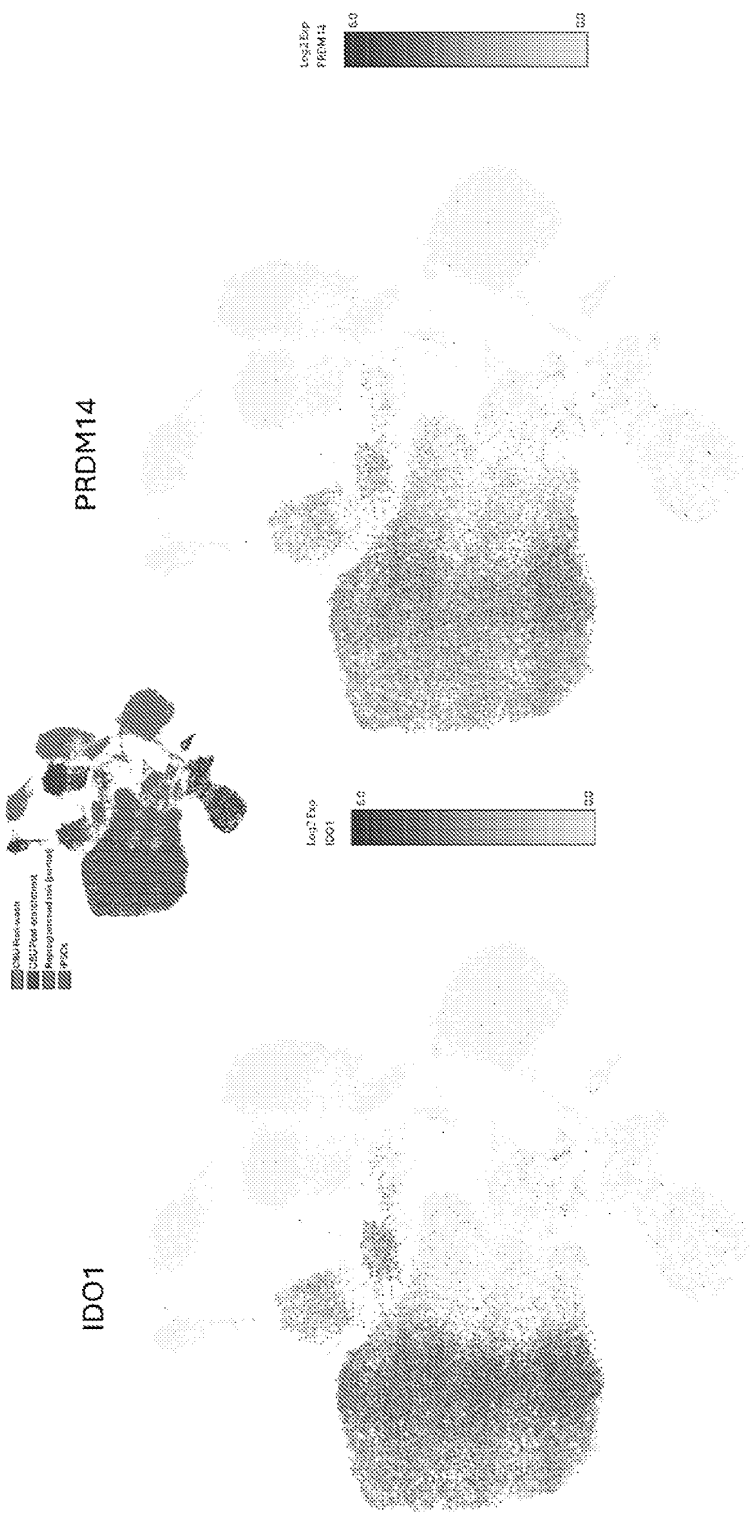


FIG. 18

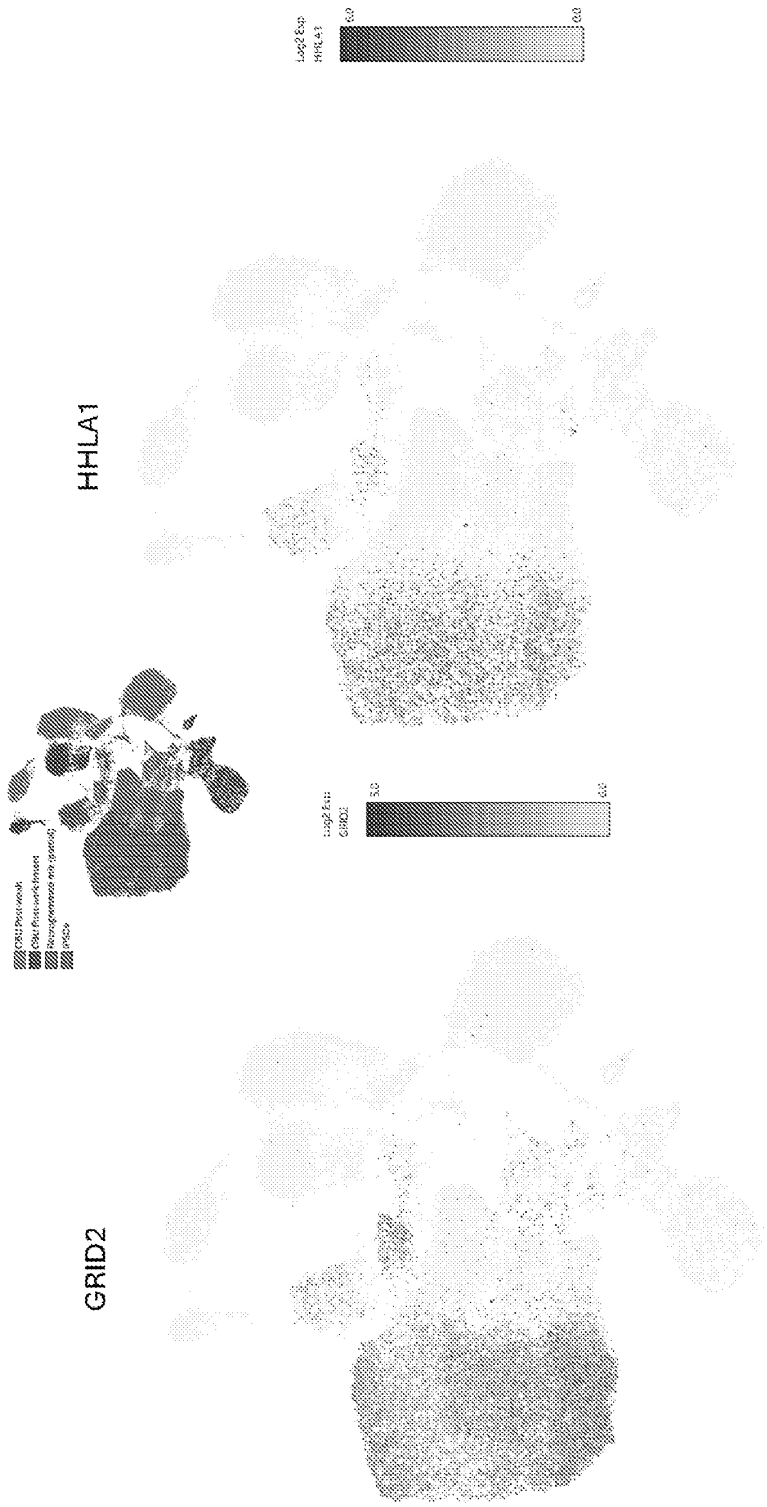


FIG. 19

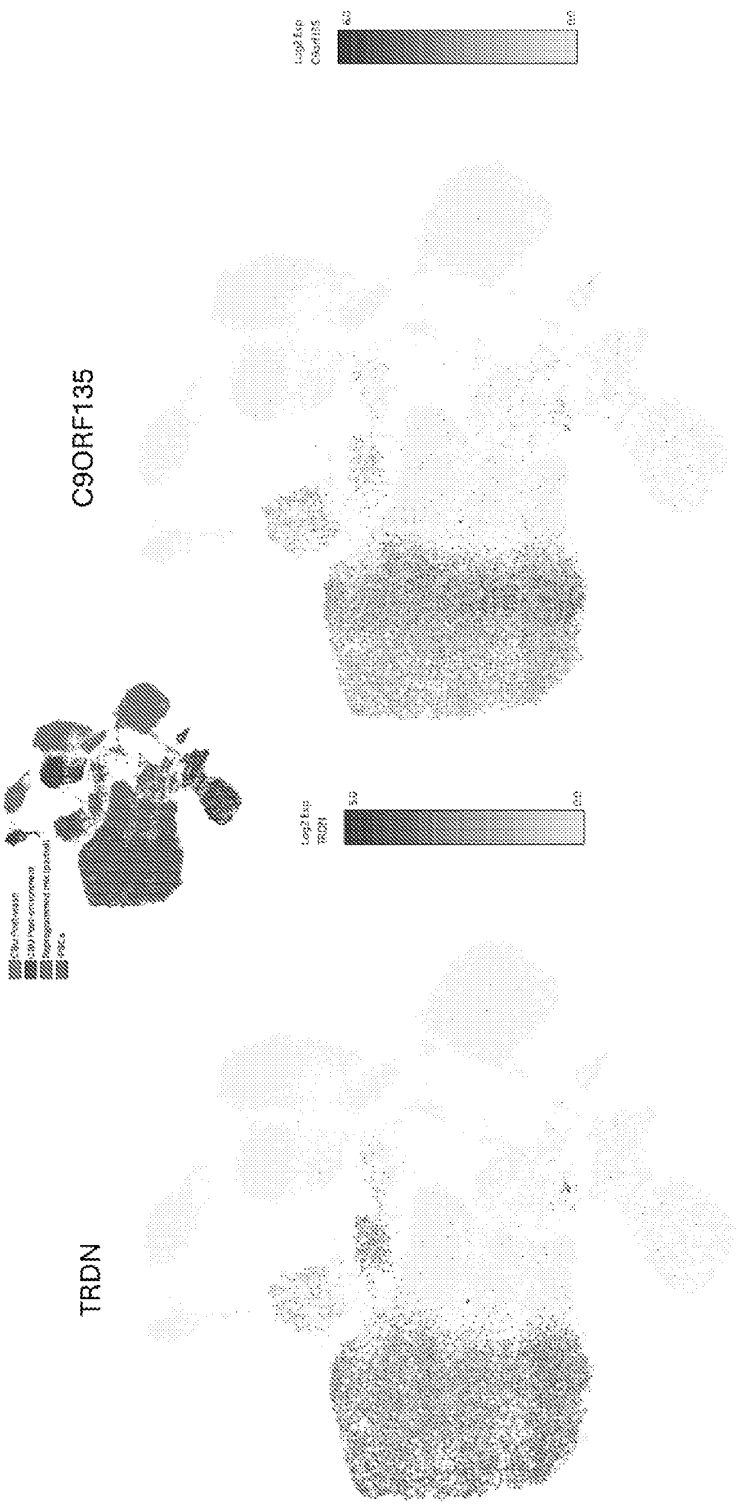


FIG. 20

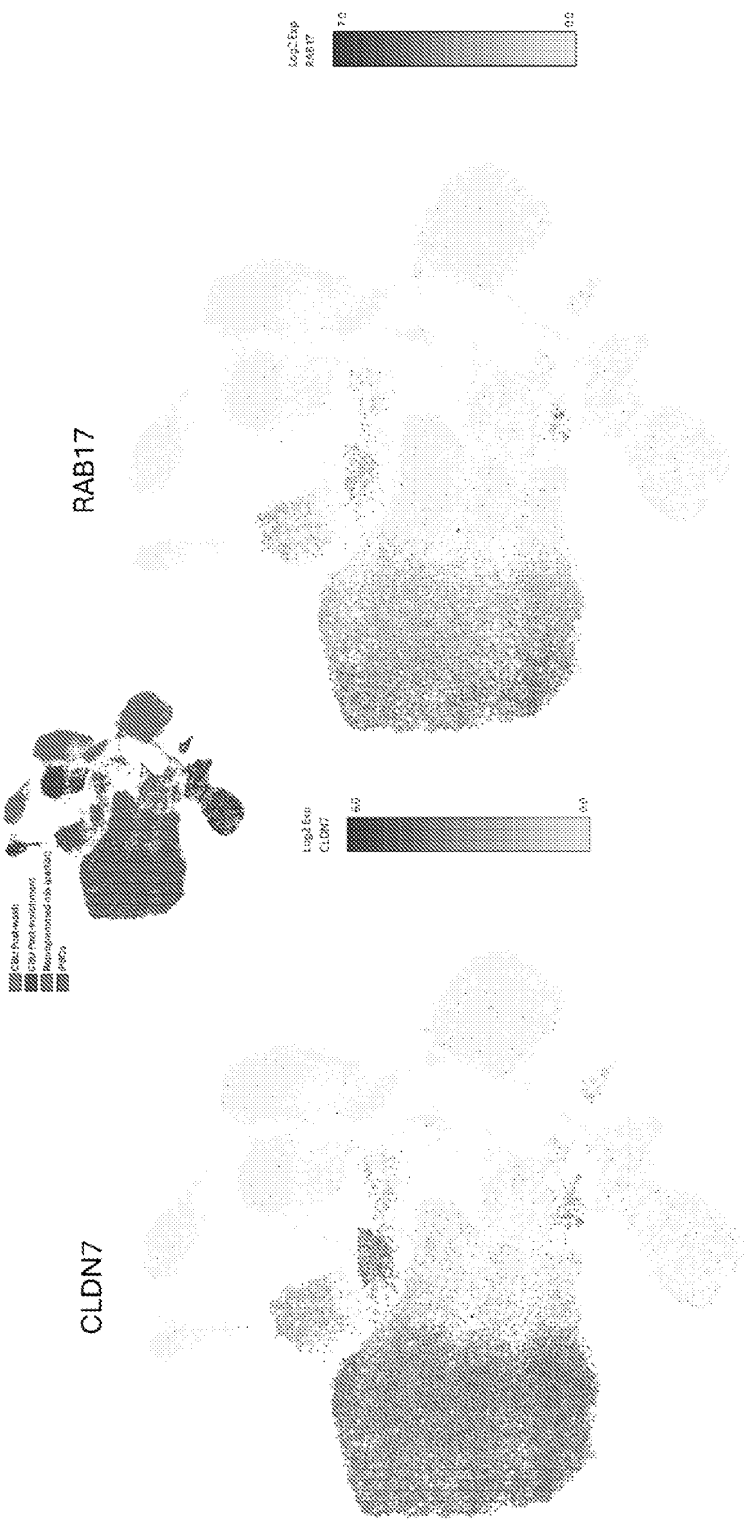


FIG. 21

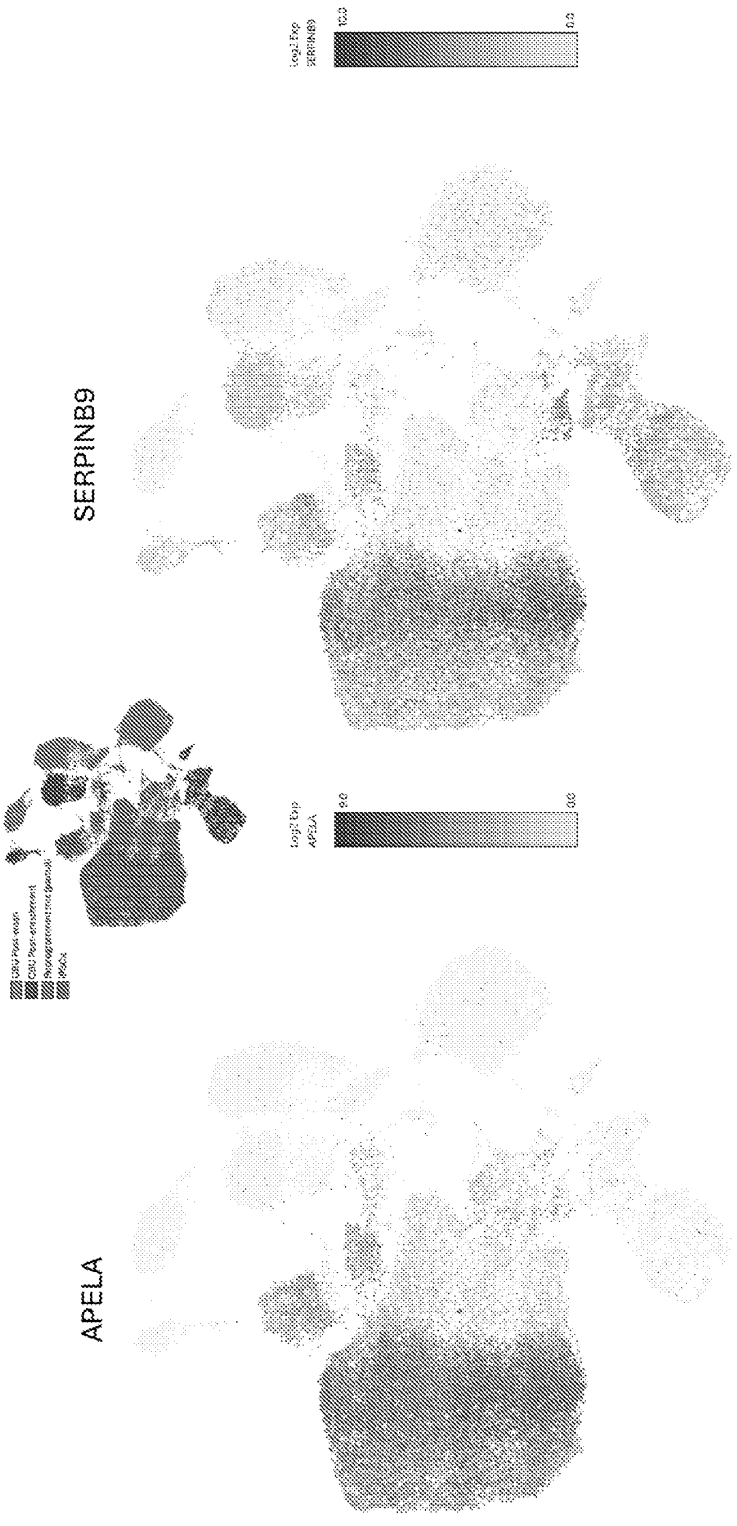


FIG.22

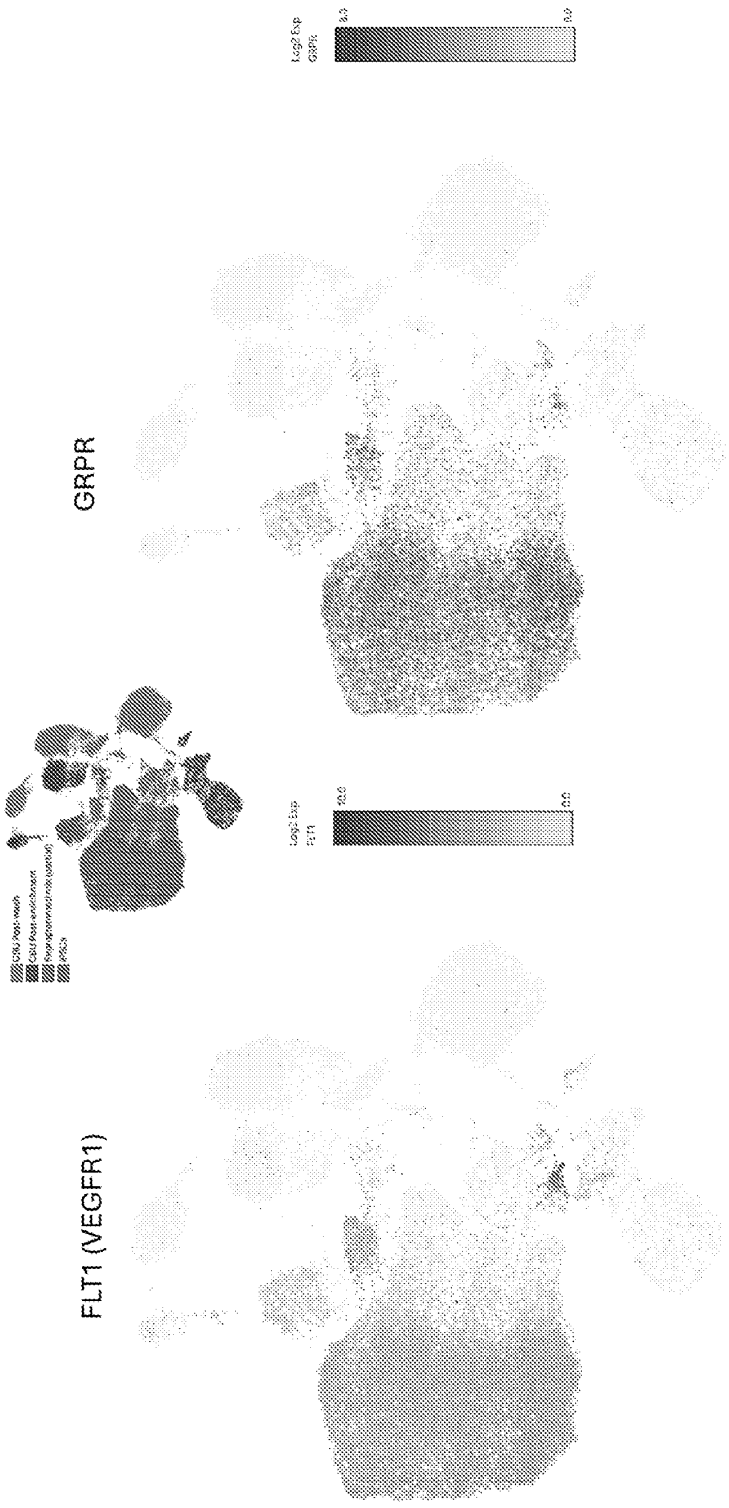


FIG. 23



FIG. 24

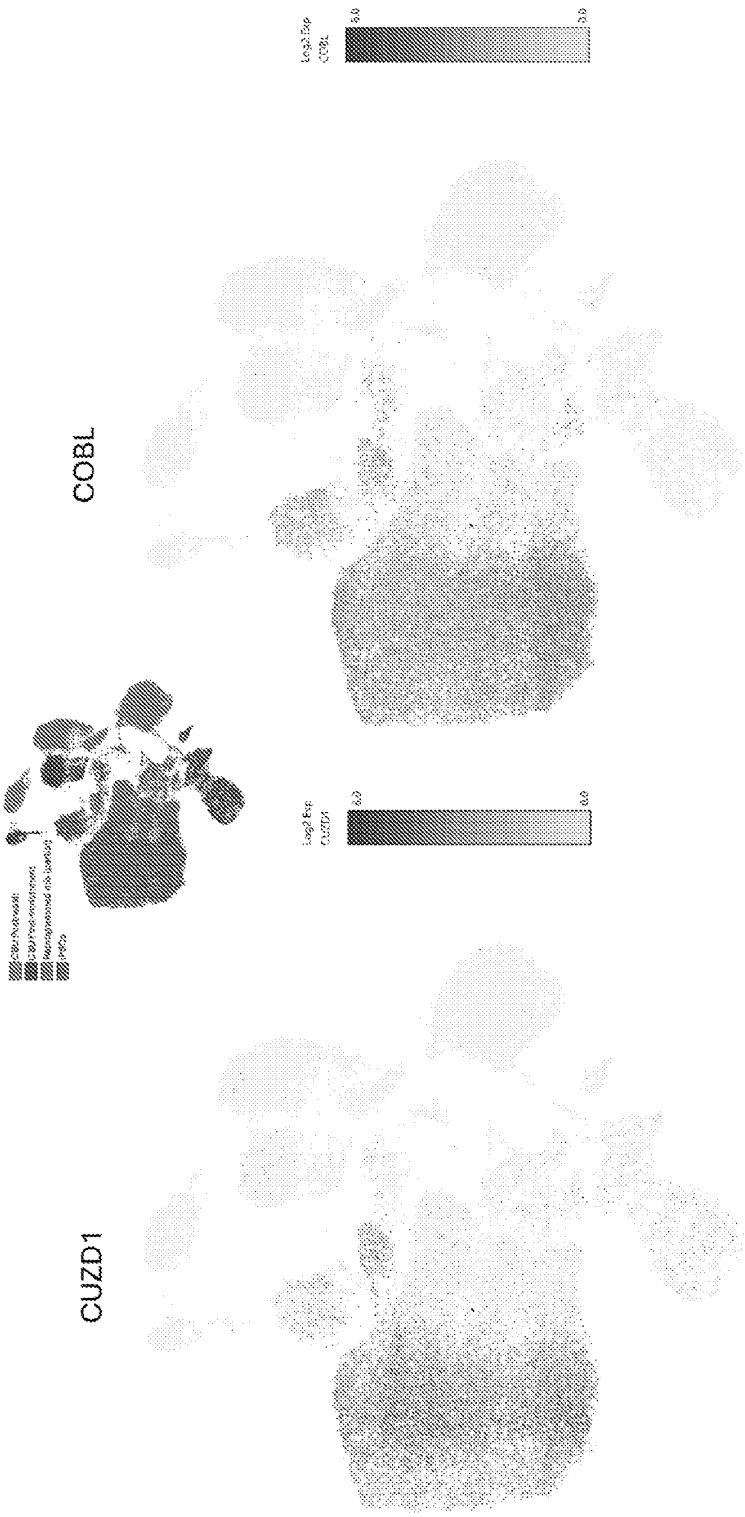


FIG. 25

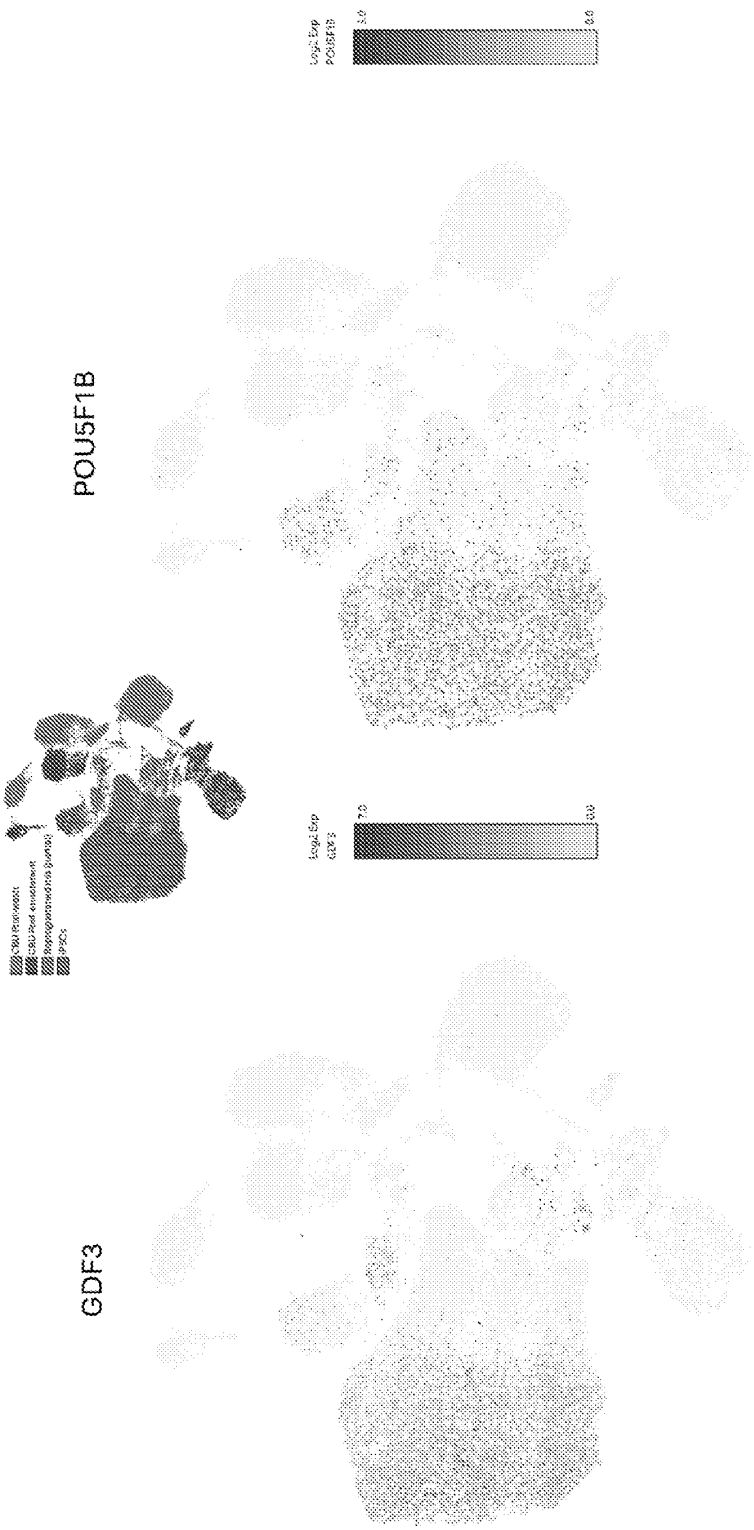


FIG. 26

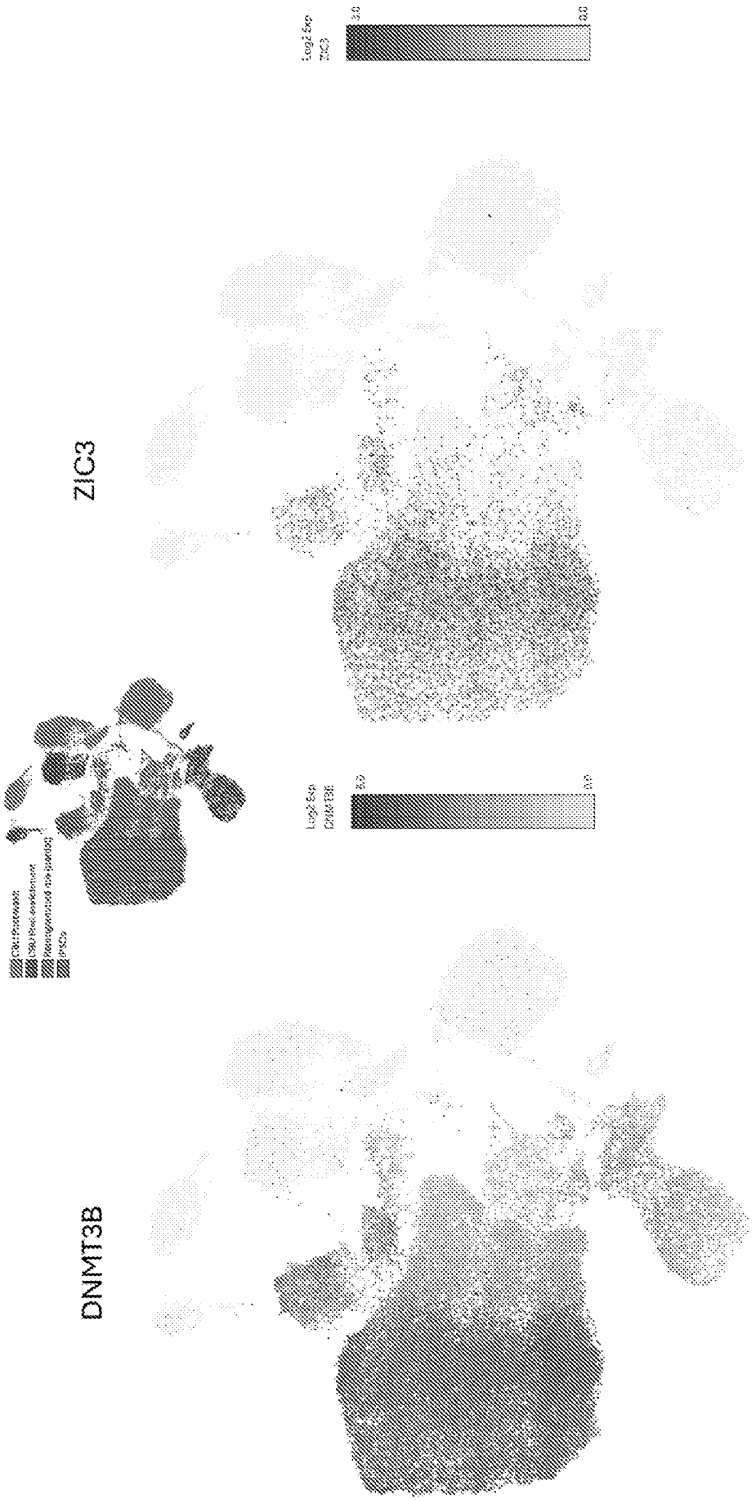


FIG. 27

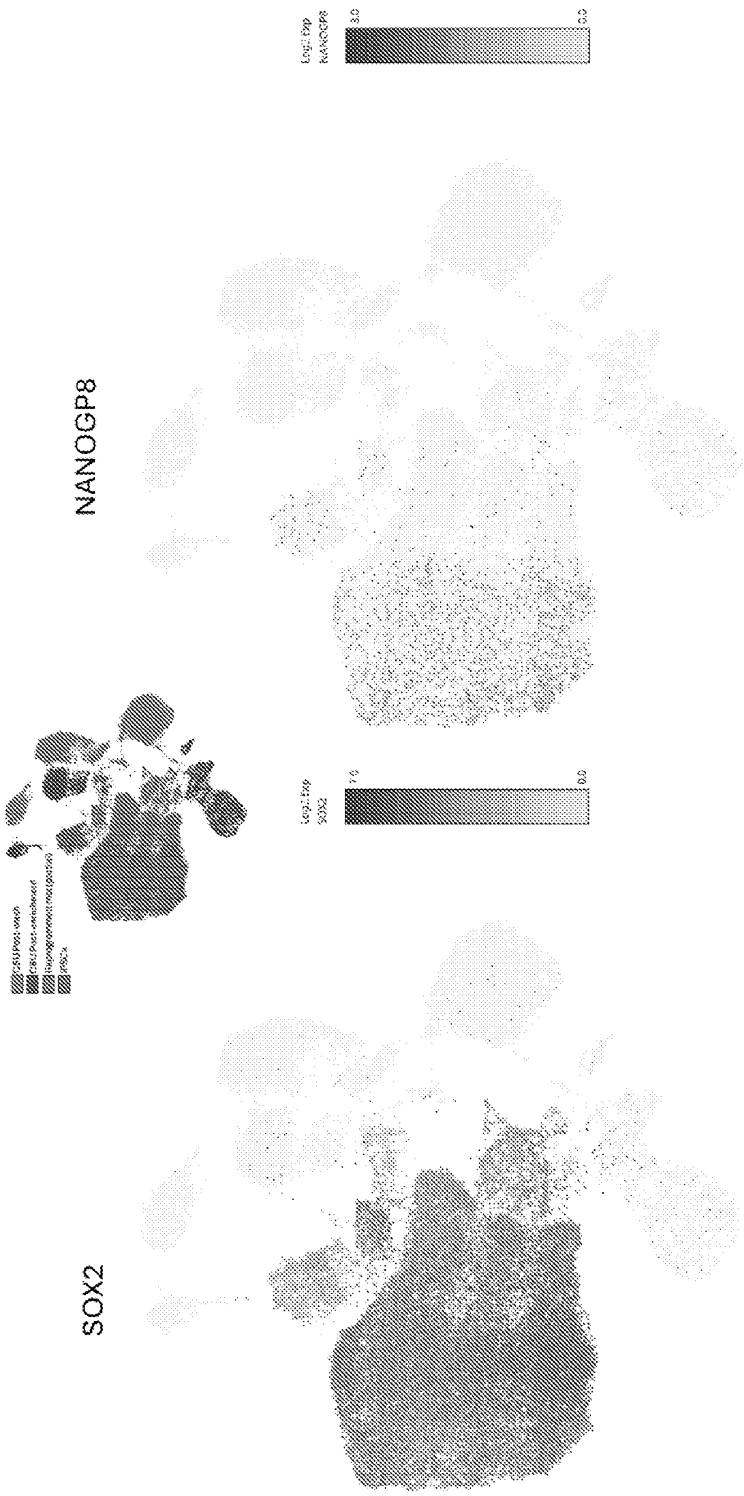


FIG. 28

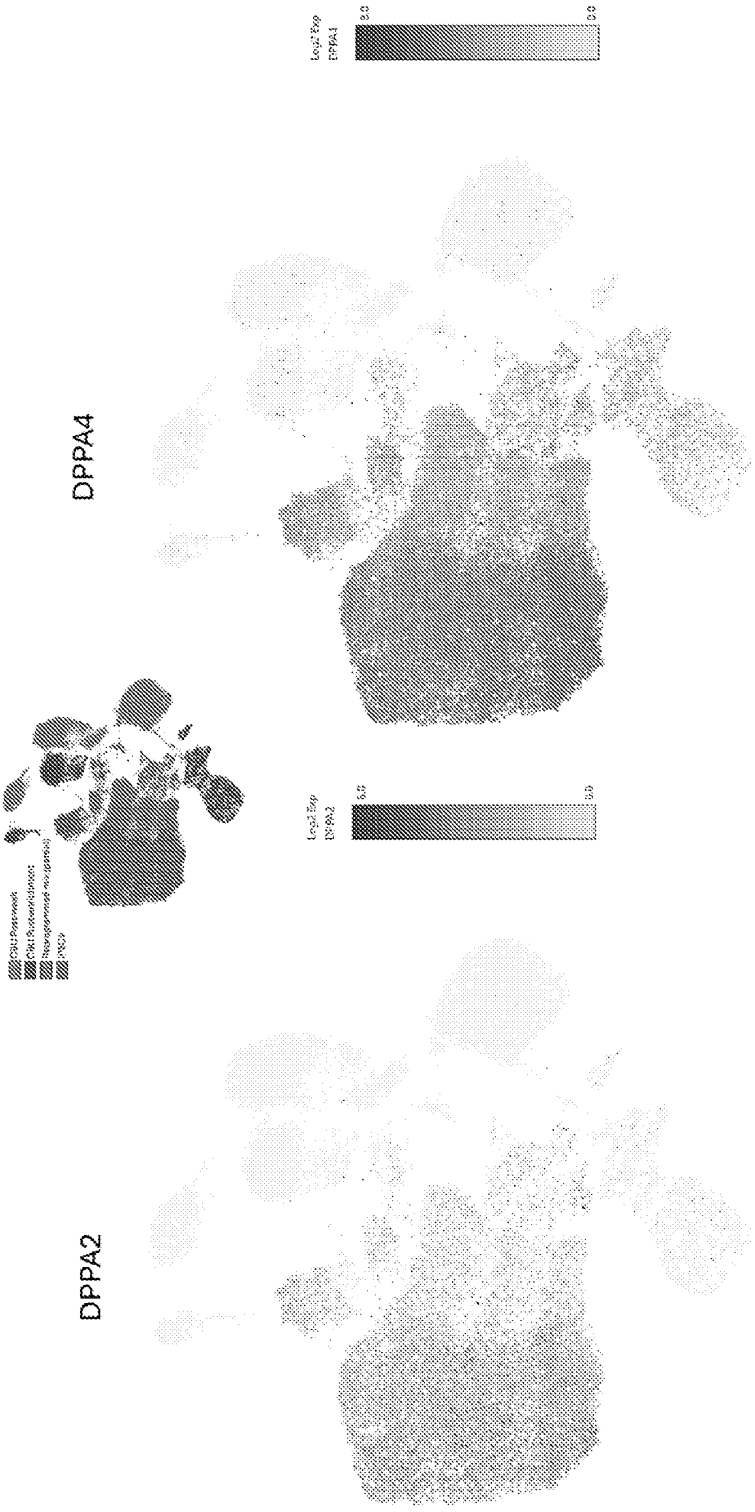


FIG. 29



FIG. 30

FIG. 31

