DRAWINGS

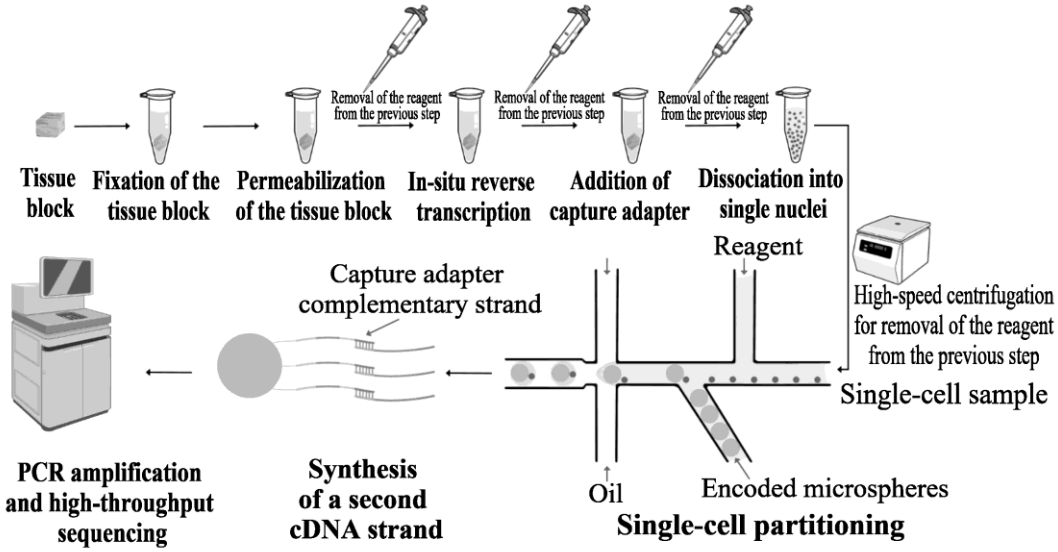

FIG. 1

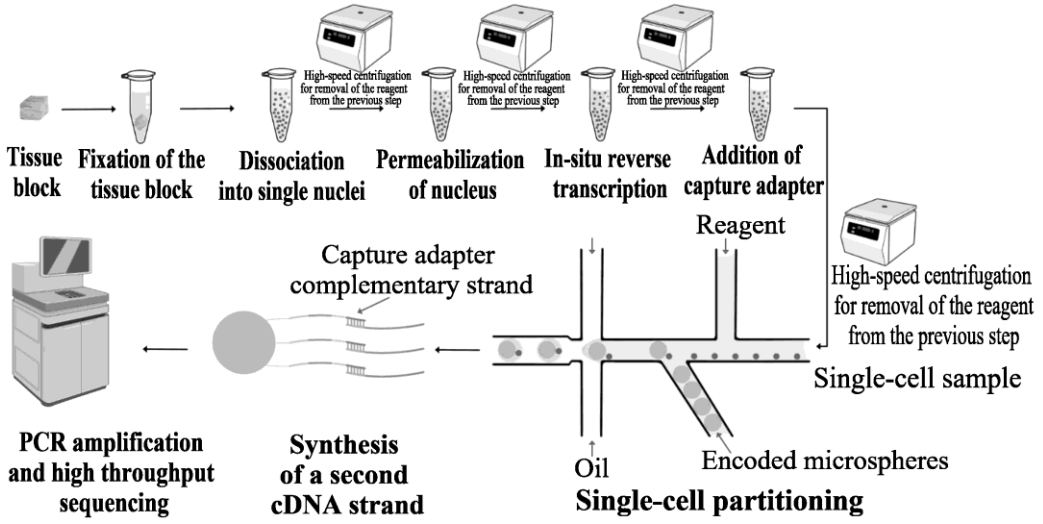

FIG. 2

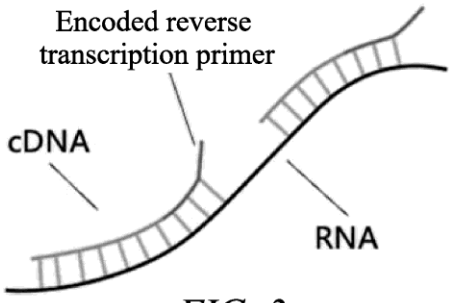

FIG. 3

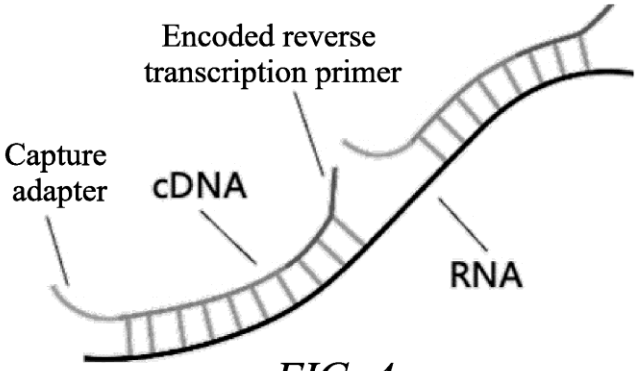

FIG. 4

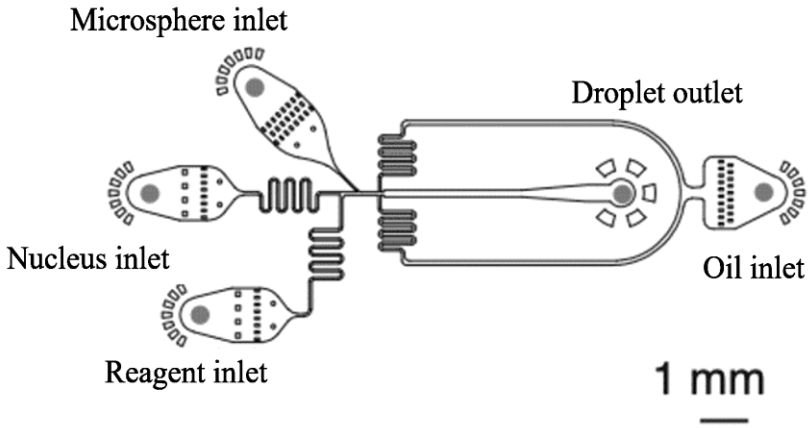

FIG. 5

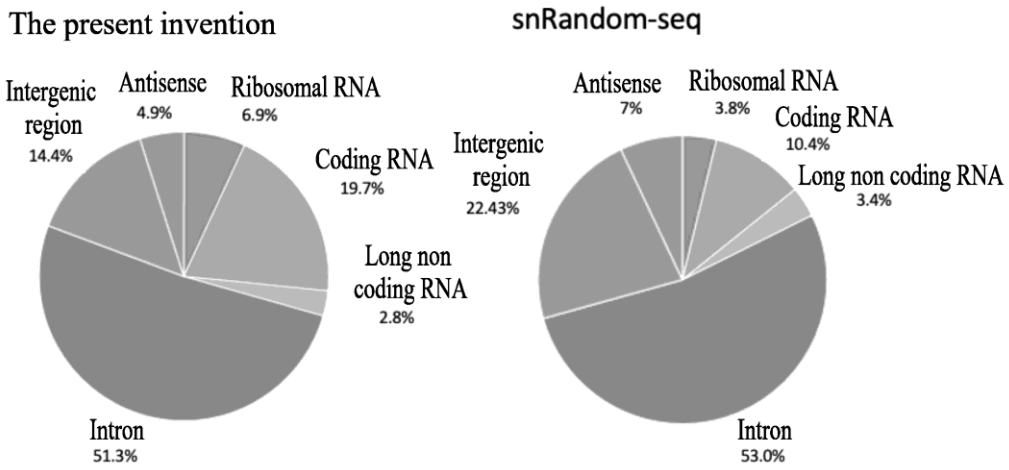

FIG. 6

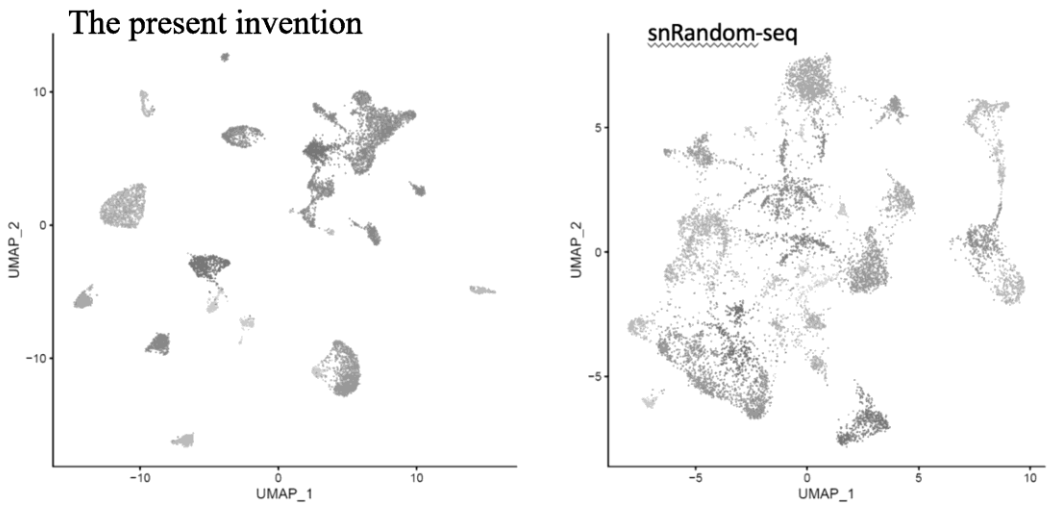
The present invention
UMAP_2
UMAP_1
10
0
−10
−10
0
10
snRandom-seq
UMAP_2
UMAP_1
5
0
−5
−5
0
5
10

FIG. 7

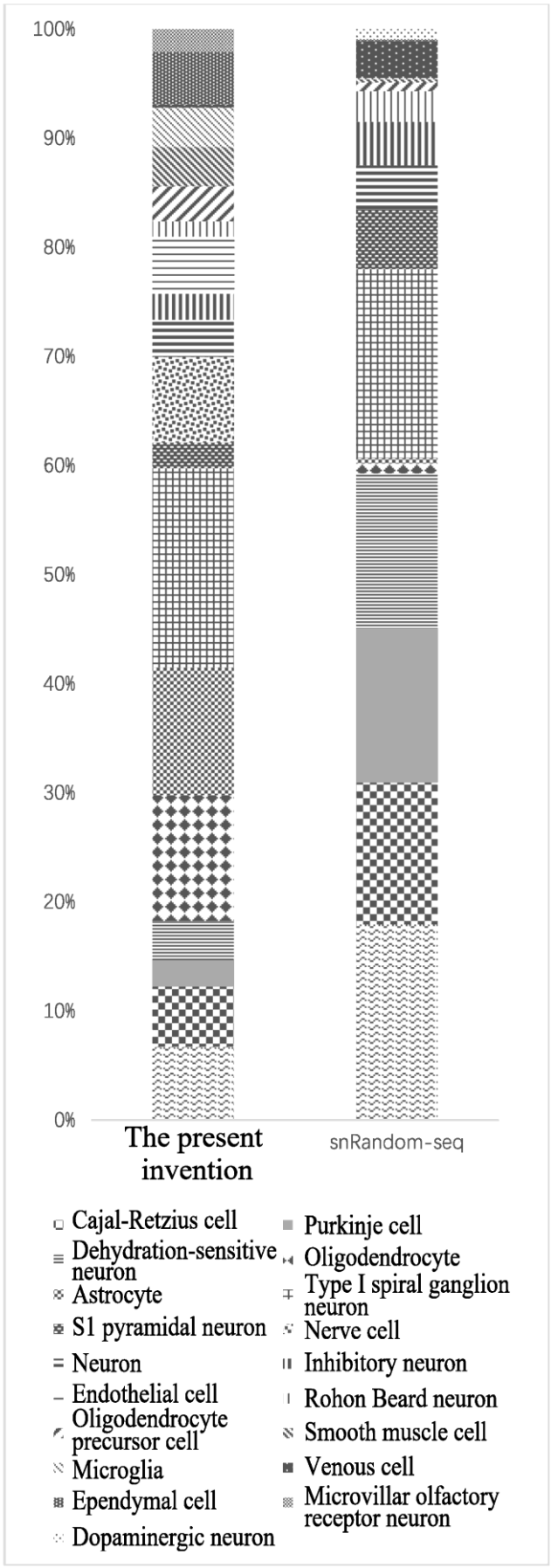
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
The present invention
snRandom-seq
Cajal-Retzius cell
Dehydration-sensitive neuron
Astrocyte
S1 pyramidal neuron
Neuron
Endothelial cell
Oligodendrocyte precursor cell
Microglia
Ependymal cell
Dopaminergic neuron
Purkinje cell
Oligodendrocyte
Type I spiral ganglion neuron
Nerve cell
Inhibitory neuron
Rohon Beard neuron
Smooth muscle cell
Venous cell
Microvillar olfactory receptor neuron

FIG. 8

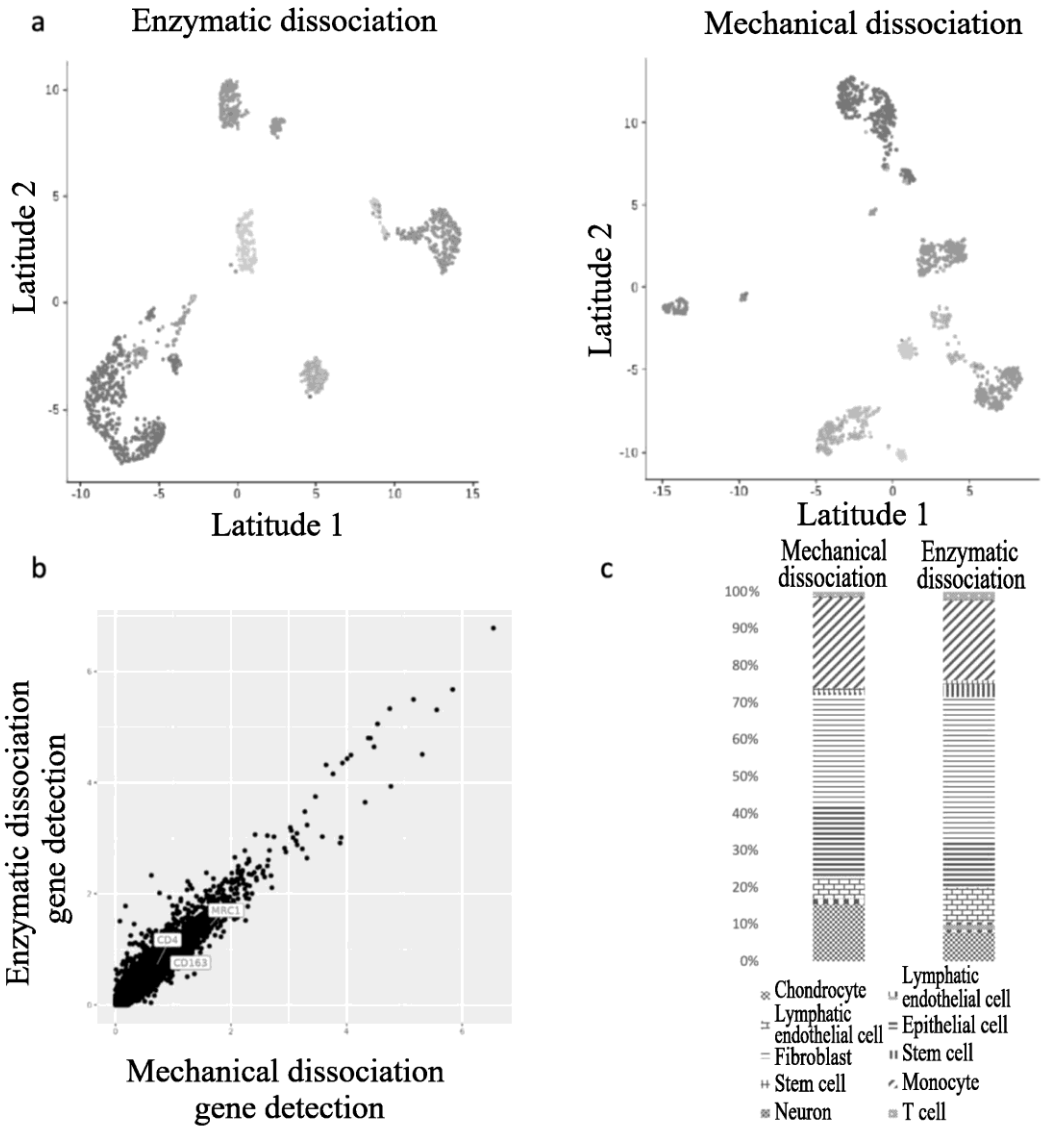
a
Enzymatic dissociation
Mechanical dissociation
Latitude 2
Latitude 1
b
Enzymatic dissociation gene detection
Mechanical dissociation gene detection
MRC1
CD4
CD163
c
Mechanical dissociation
Enzymatic dissociation
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
Chondrocyte
Lymphatic endothelial cell
Fibroblast
Stem cell
Neuron
Lymphatic endothelial cell
Epithelial cell
Stem cell
Monocyte
T cell

FIG. 9

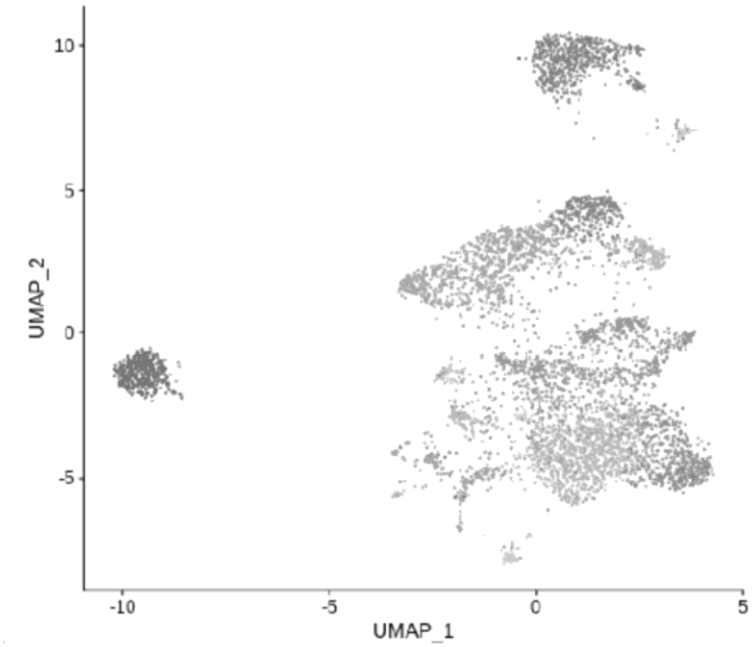
UMAP_2
UMAP_1
10
5
0
-5
-10
-5
0
5

FIG. 10

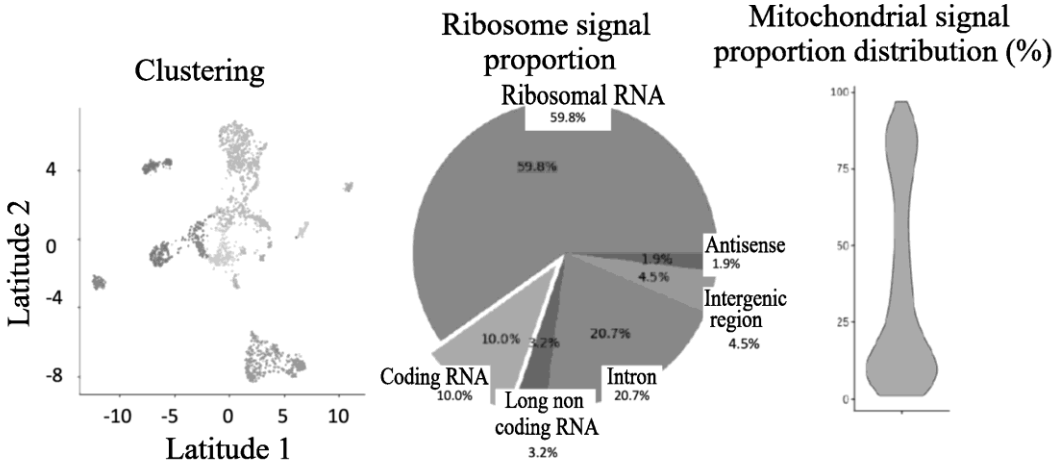
Clustering
Latitude 2
Latitude 1
4
0
-4
-8
-10
-5
0
5
10
Ribosome signal proportion
Ribosomal RNA
59.8%
59.8%
Antisense
1.9%
1.9%
4.5%
Intergenic region
4.5%
10.0%
3.2%
20.7%
Coding RNA
10.0%
Long non coding RNA
3.2%
Intron
20.7%
Mitochondrial signal proportion distribution (%)
100
75
50
25
0

FIG. 11

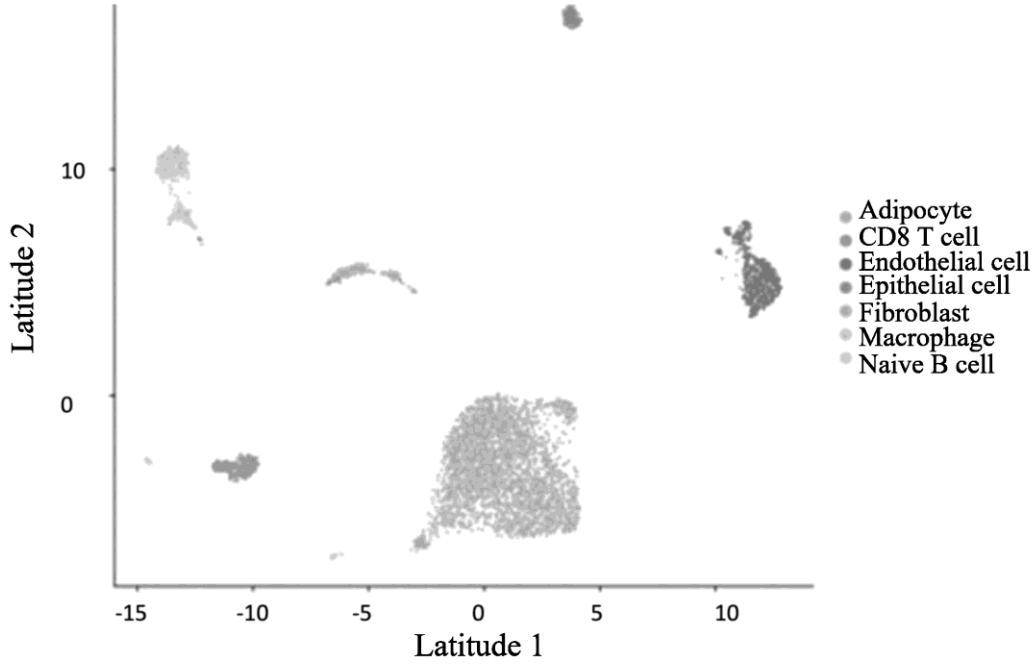
Latitude 2
10
0
-15
-10
-5
0
5
10
Latitude 1
Adipocyte
CD8 T cell
Endothelial cell
Epithelial cell
Fibroblast
Macrophage
Naive B cell

FIG. 12

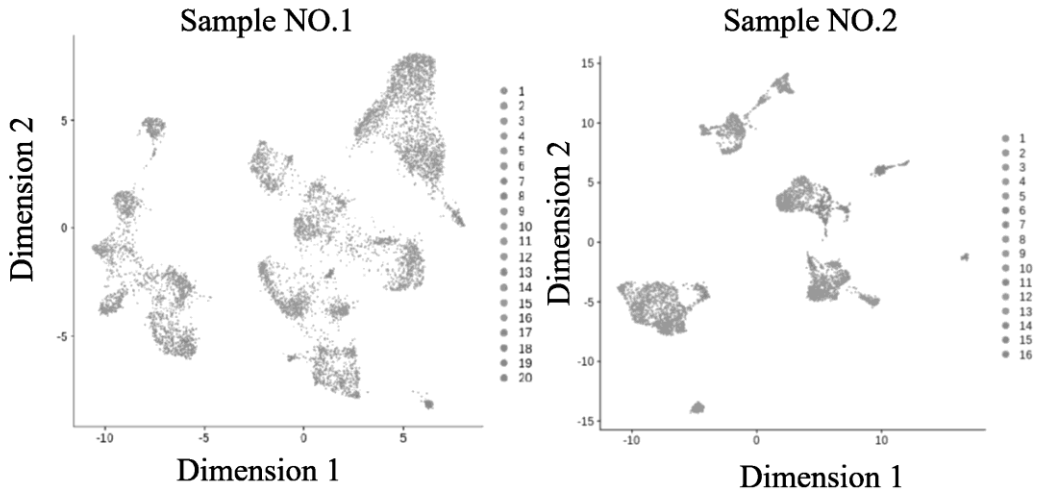
Sample NO.1
Sample NO.2
Dimension 2
Dimension 1
Dimension 2
Dimension 1

FIG. 13

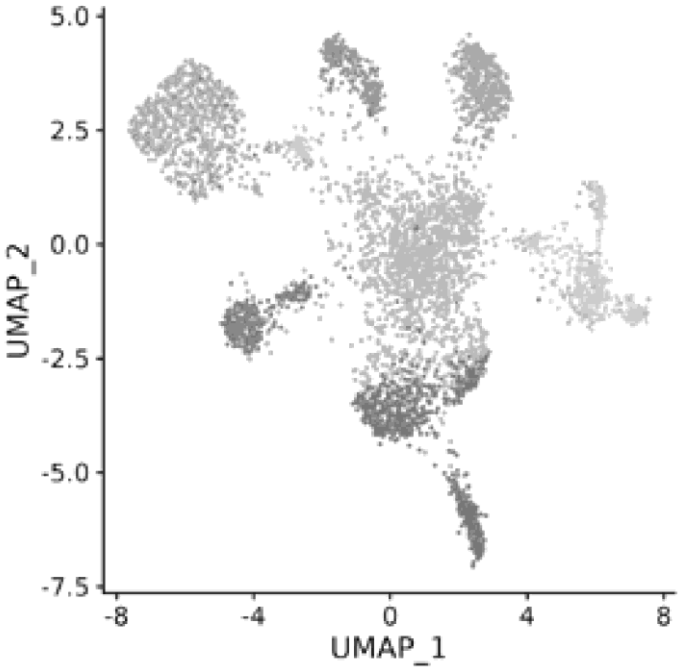

FIG. 14