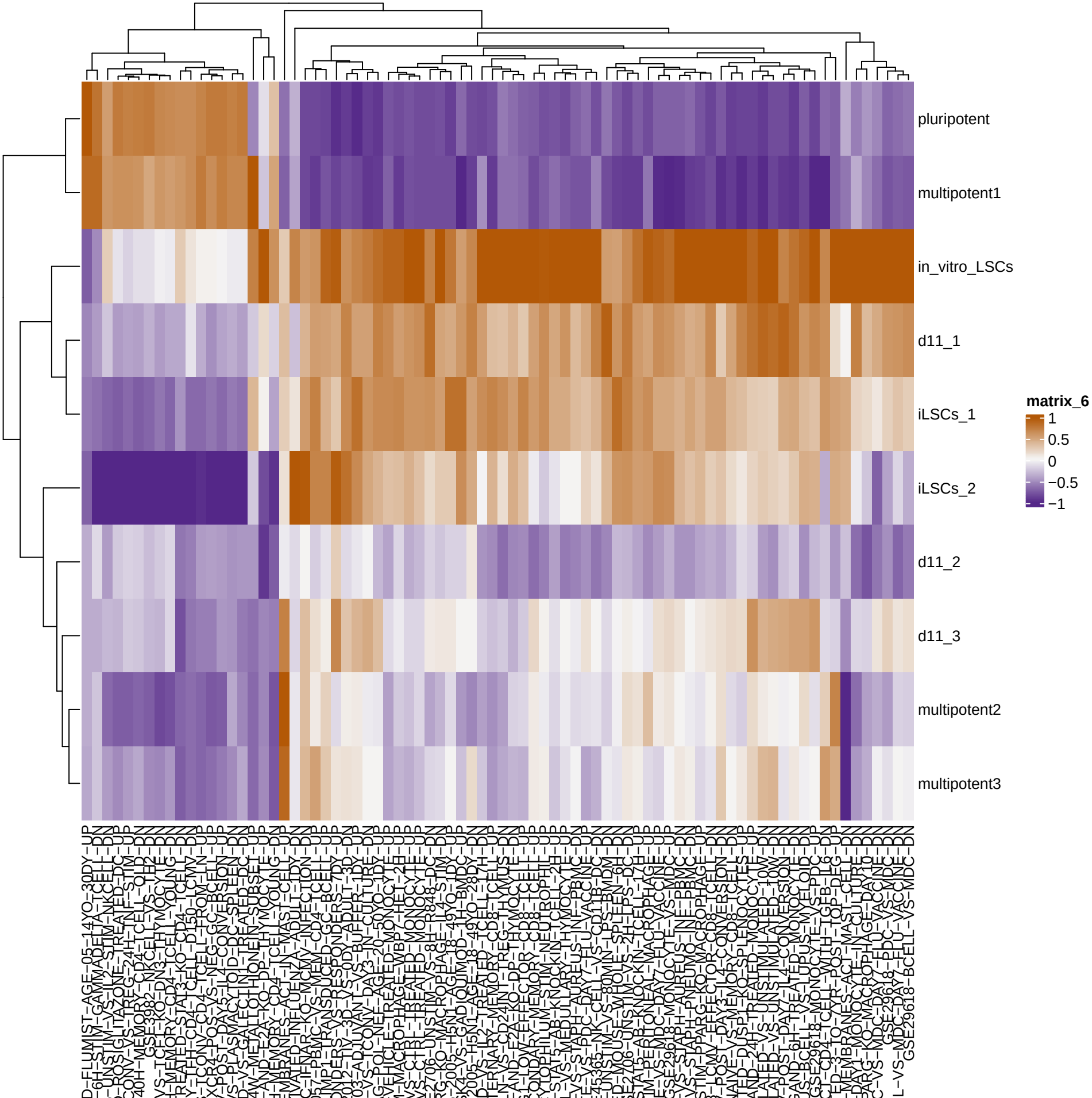
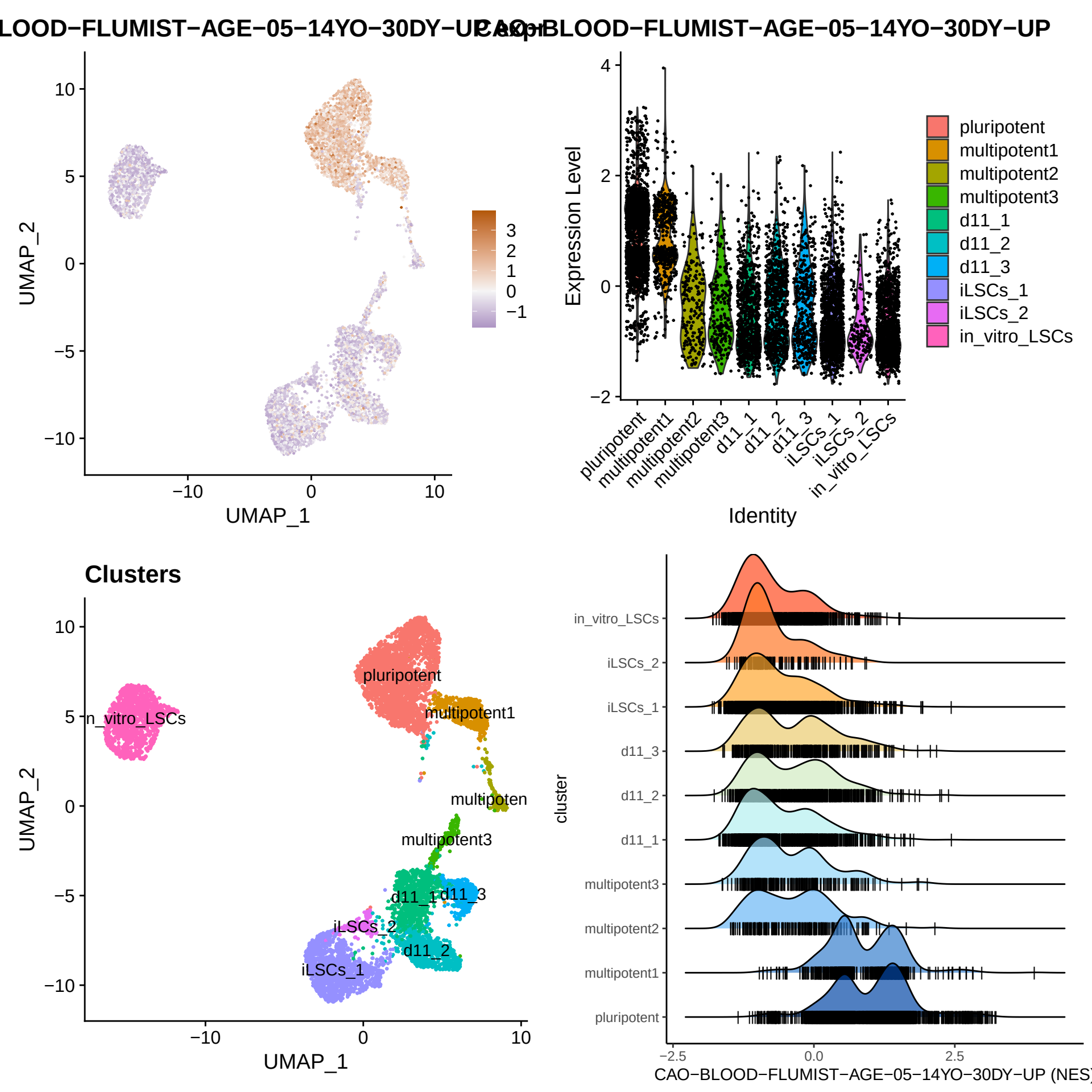
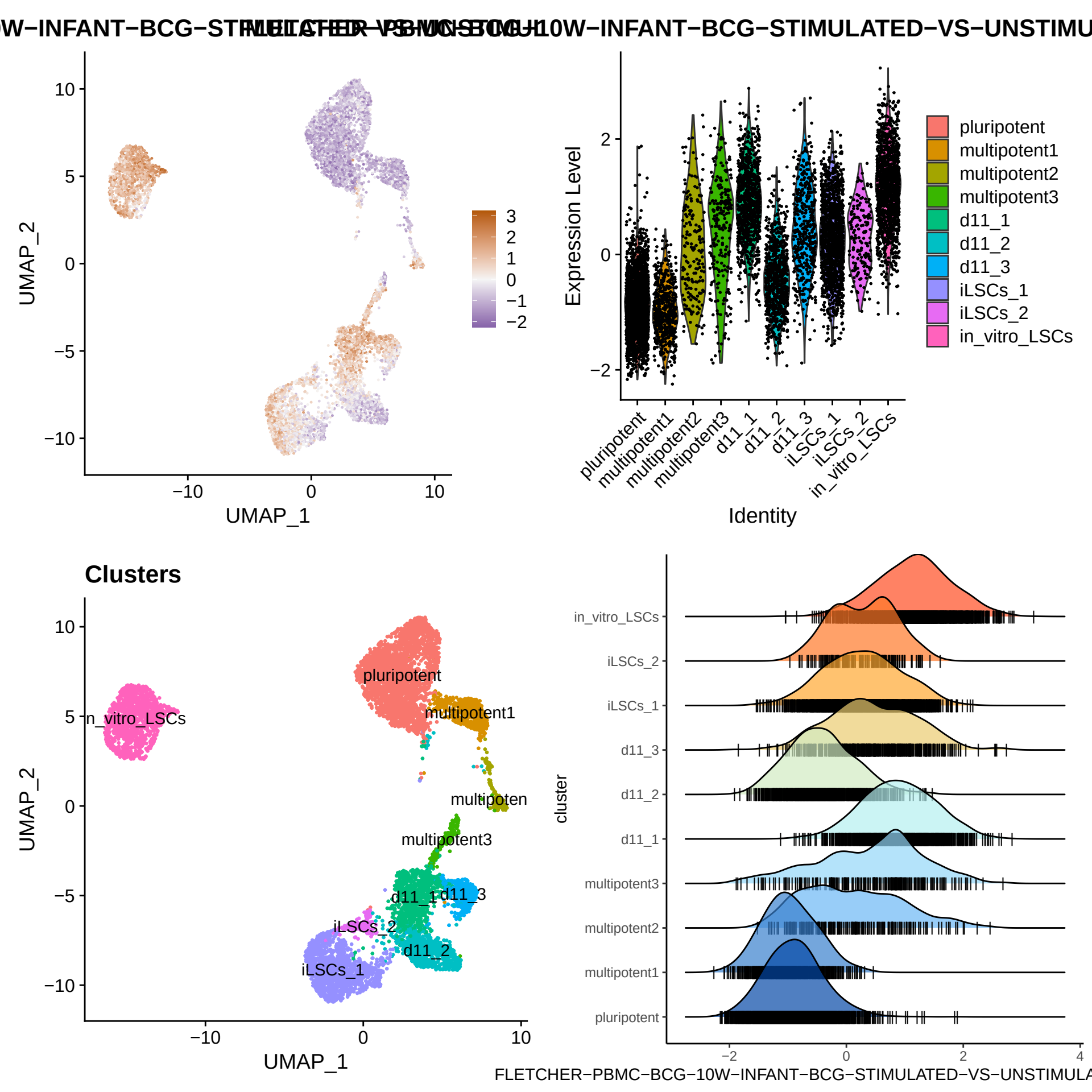
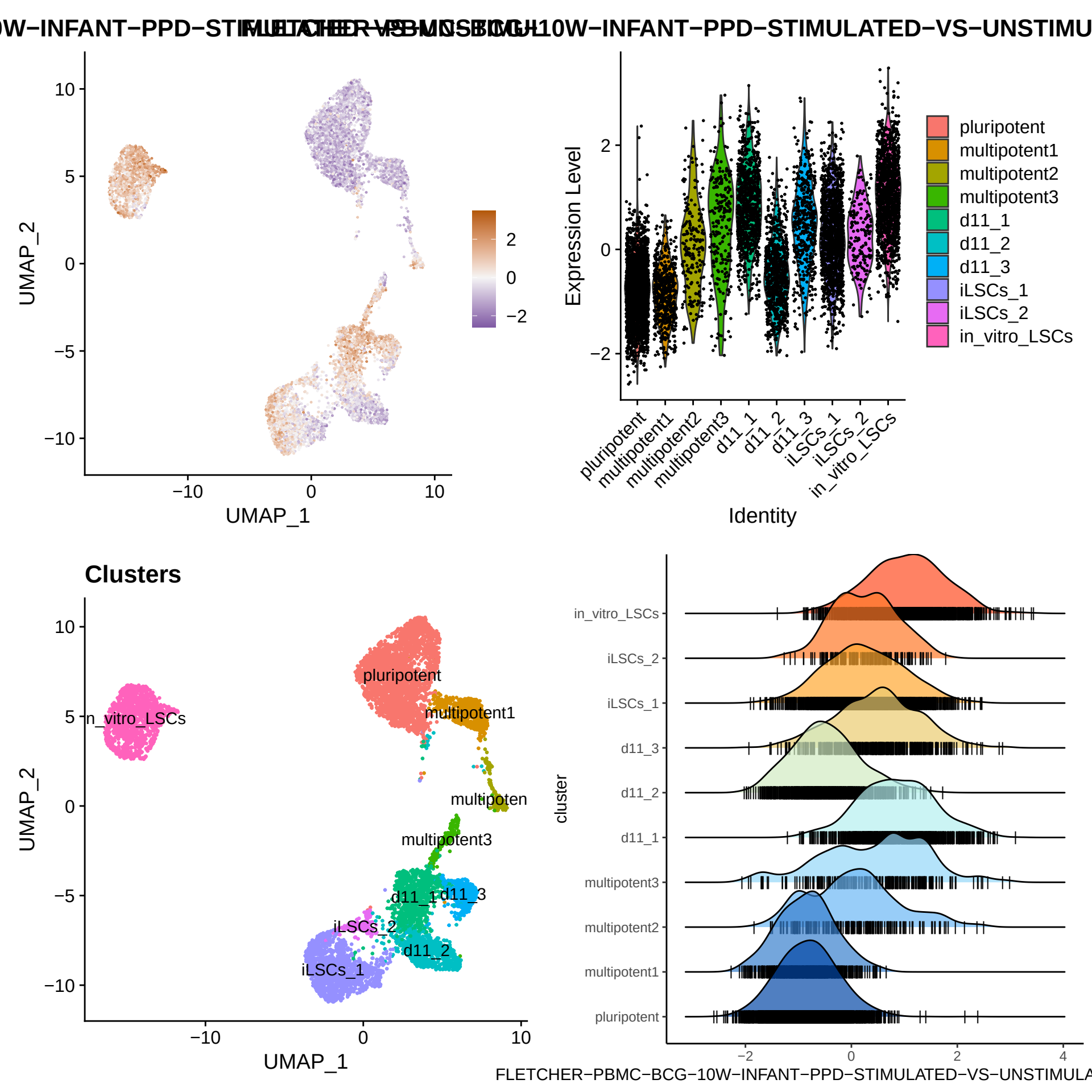
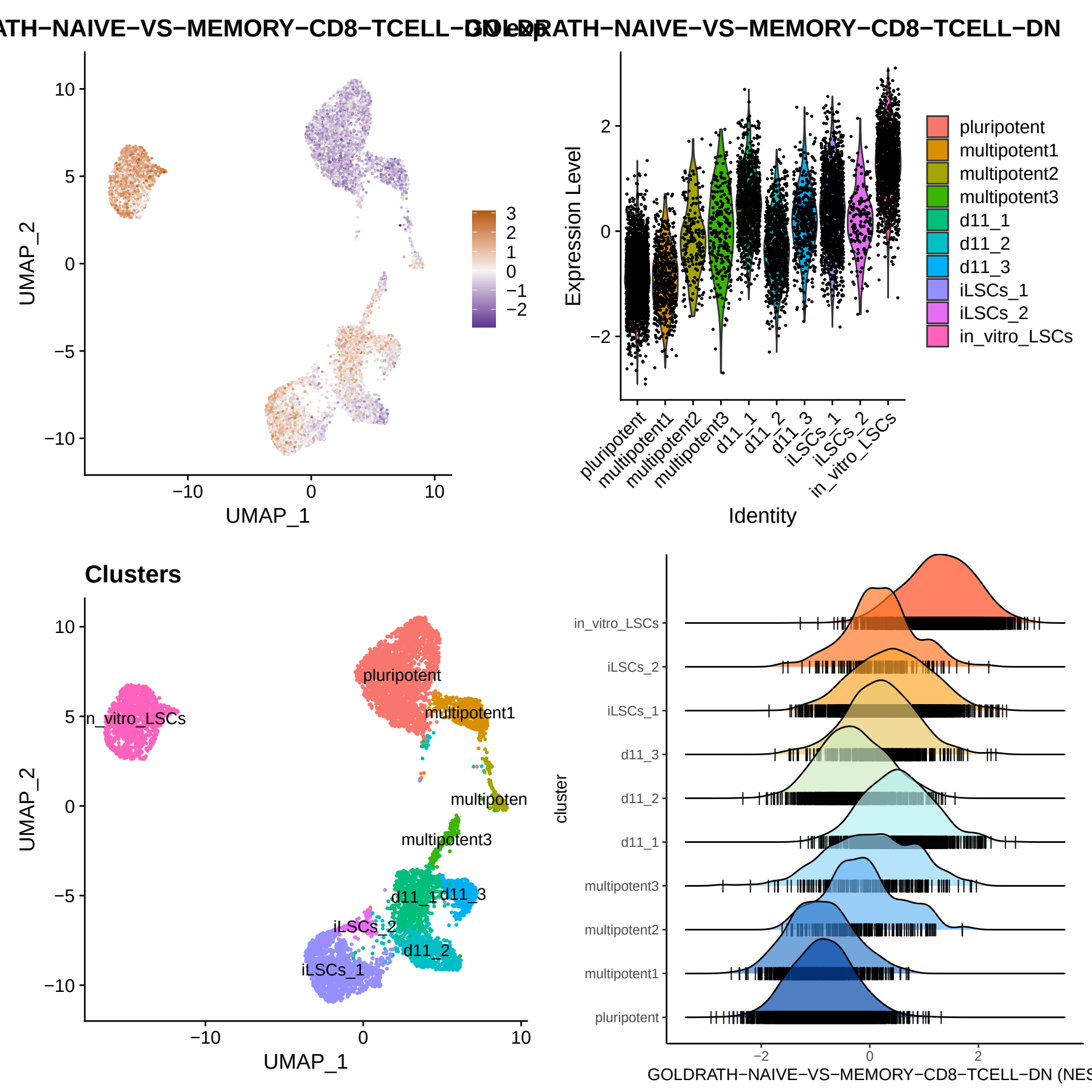
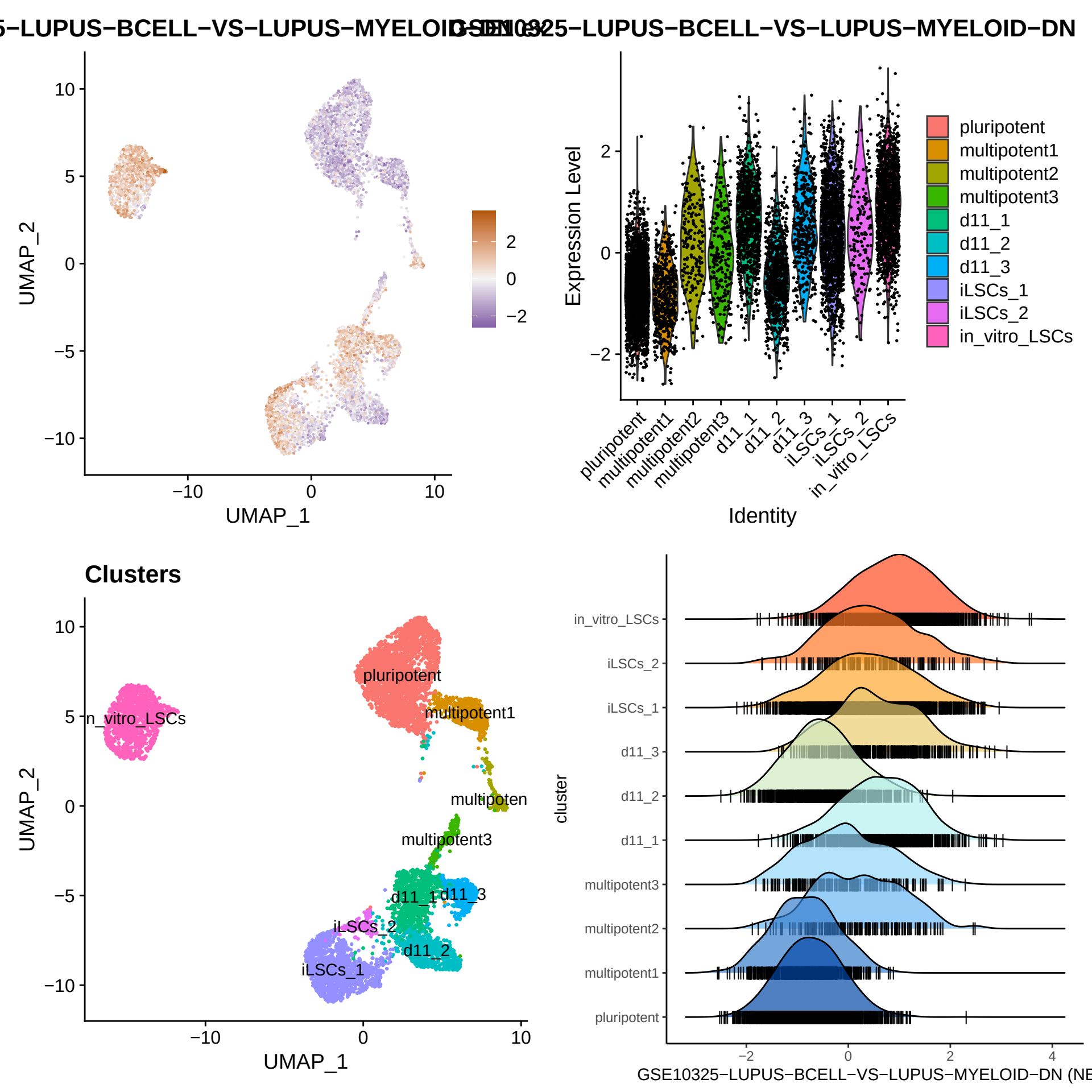

pluripotent
multipotent1
in_vitro_LSCs
d11_1
iLSCs_1
iLSCs_2
d11_2
d11_3
multipotent2
multipotent3
matrix_6
1
0.5
0
−0.5
−1

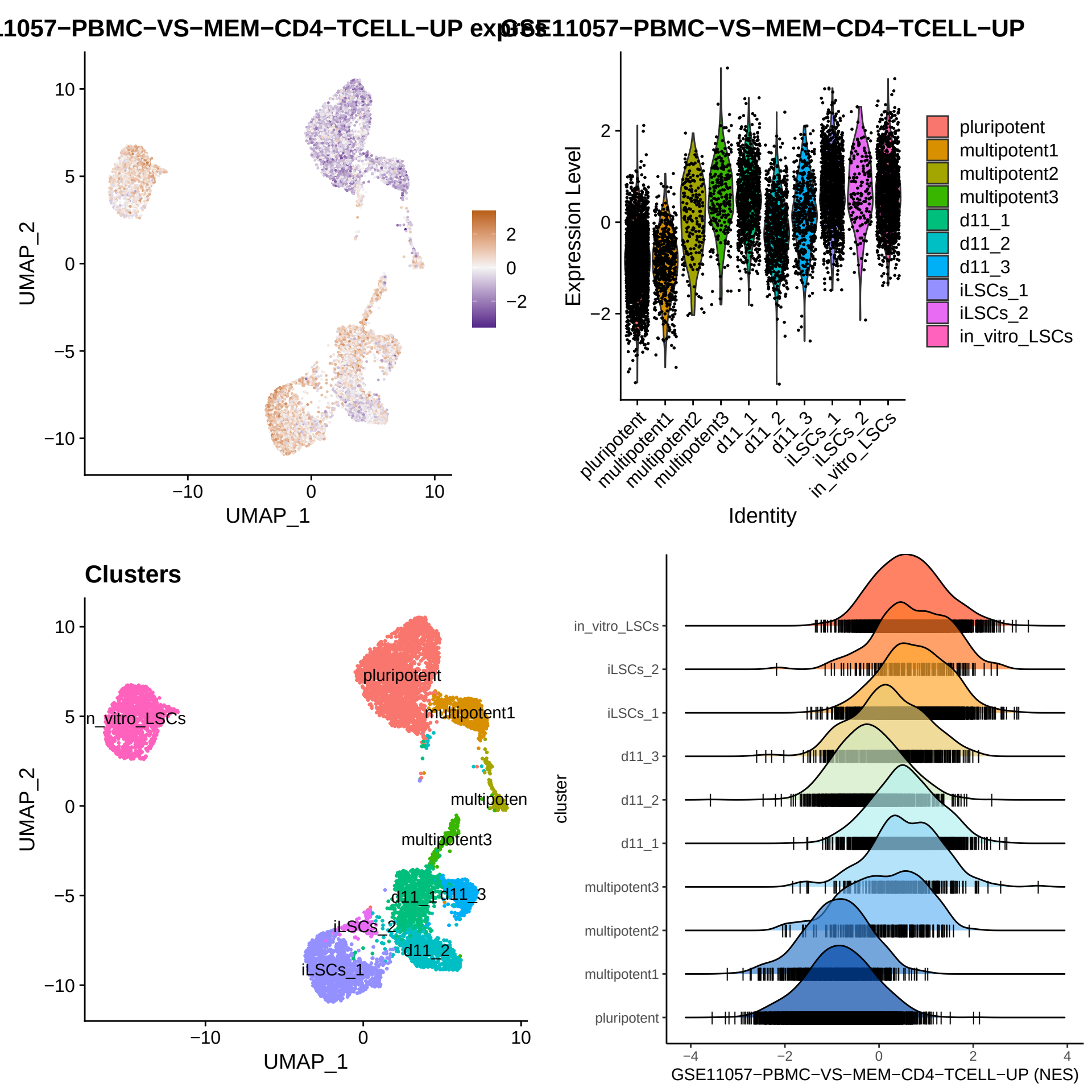

LOOD−FLUMIST−AGE−05−14YO−30DY−UP
CAO−BLOOD−FLUMIST−AGE−05−14YO−30DY−UP
UMAP_2
UMAP_1
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
n_vitro_LSCs
multipoten
cluster
CAO−BLOOD−FLUMIST−AGE−05−14YO−30DY−UP (NES)

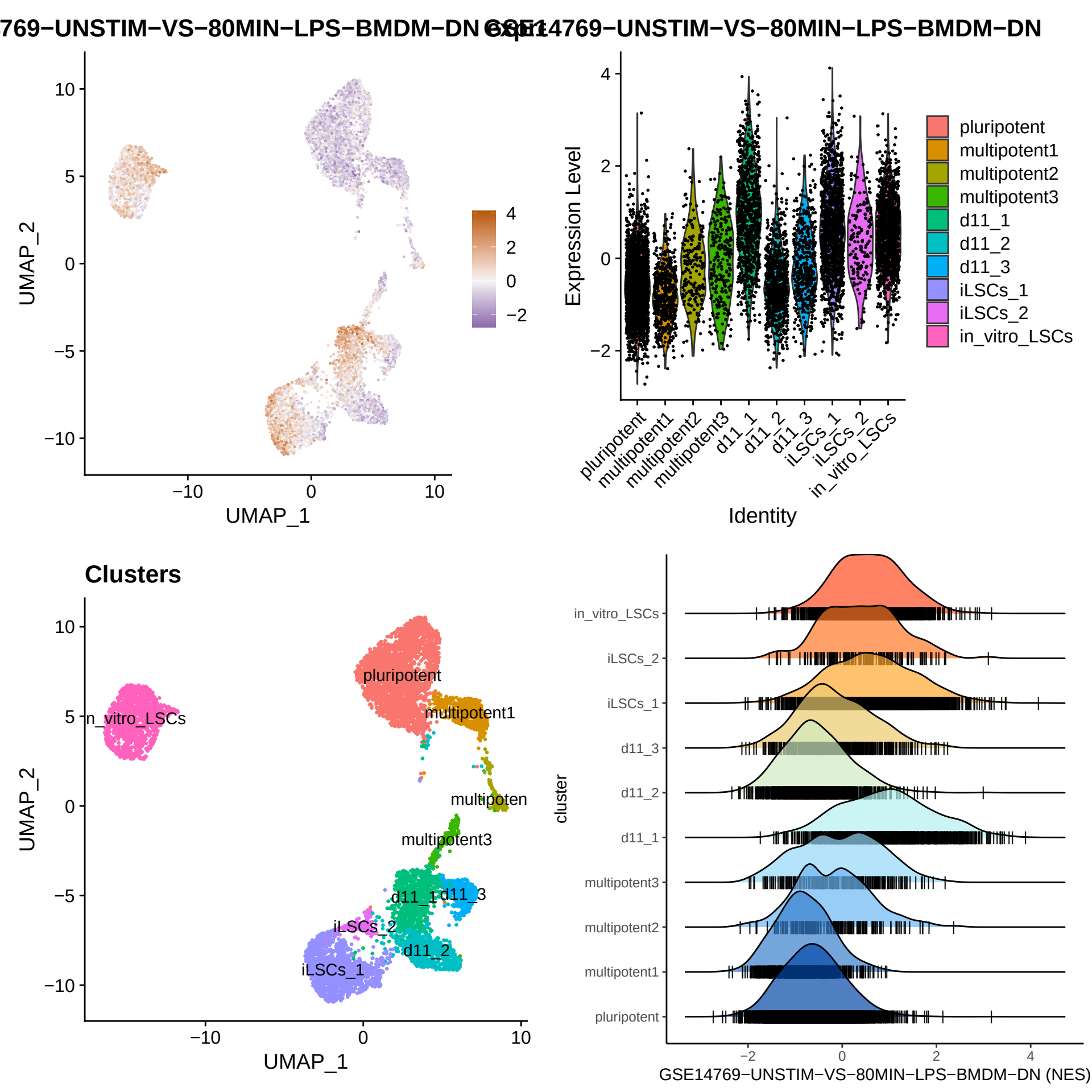

W−INFANT−BCG−STIMULATED−VS−UNSTIMU
W−INFANT−BCG−STIMULATED−VS−UNSTIMU
UMAP_2
UMAP_1
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
cluster
FLETCHER−PBMC−BCG−10W−INFANT−BCG−STIMULATED−VS−UNSTIMULA

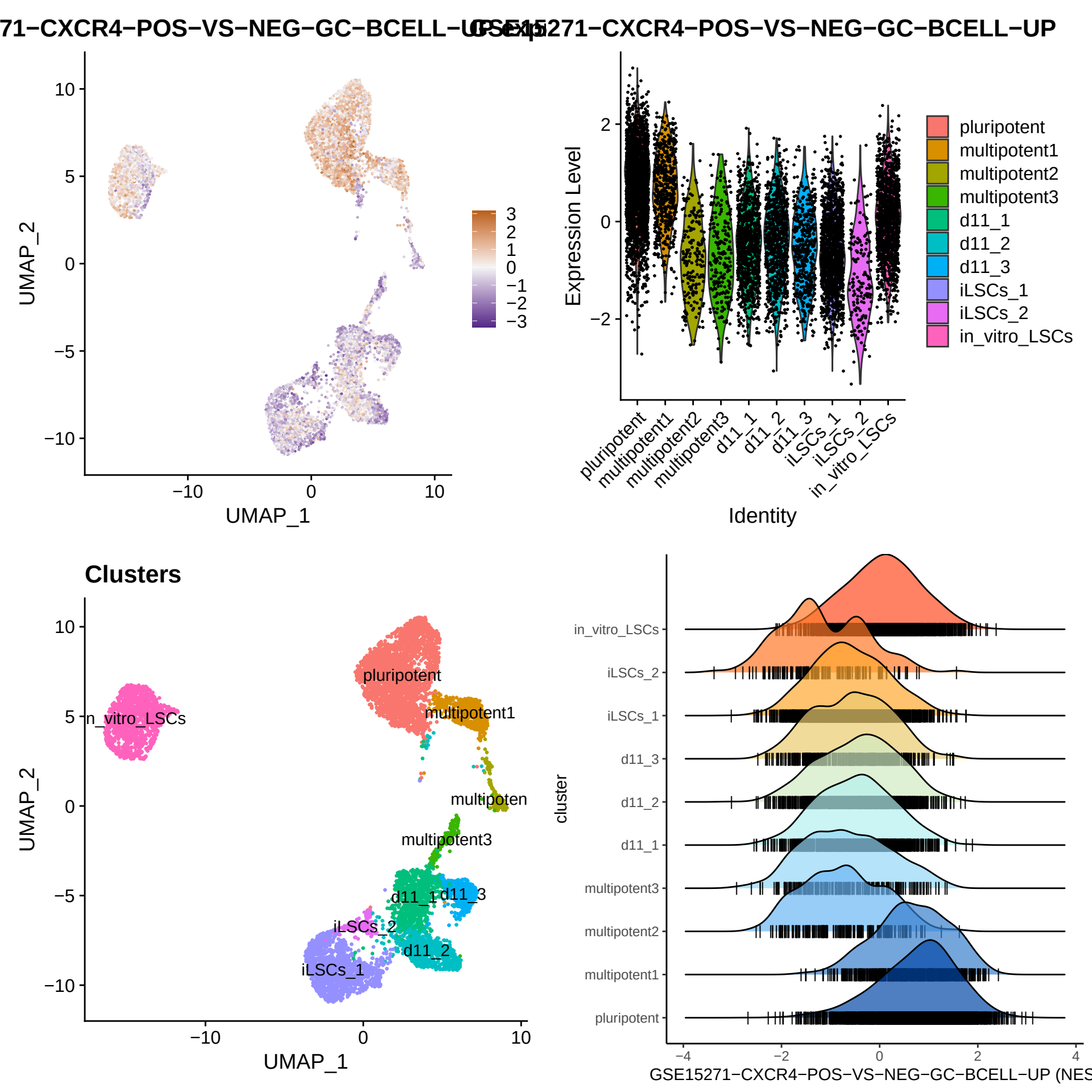

W−INFANT−PPD−STIMULATED−VS−UNSTIMU
FLETCHER−PBMC−BCG−10W−INFANT−PPD−STIMULATED−VS−UNSTIMU
UMAP_2
UMAP_1
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
cluster
FLETCHER−PBMC−BCG−10W−INFANT−PPD−STIMULATA

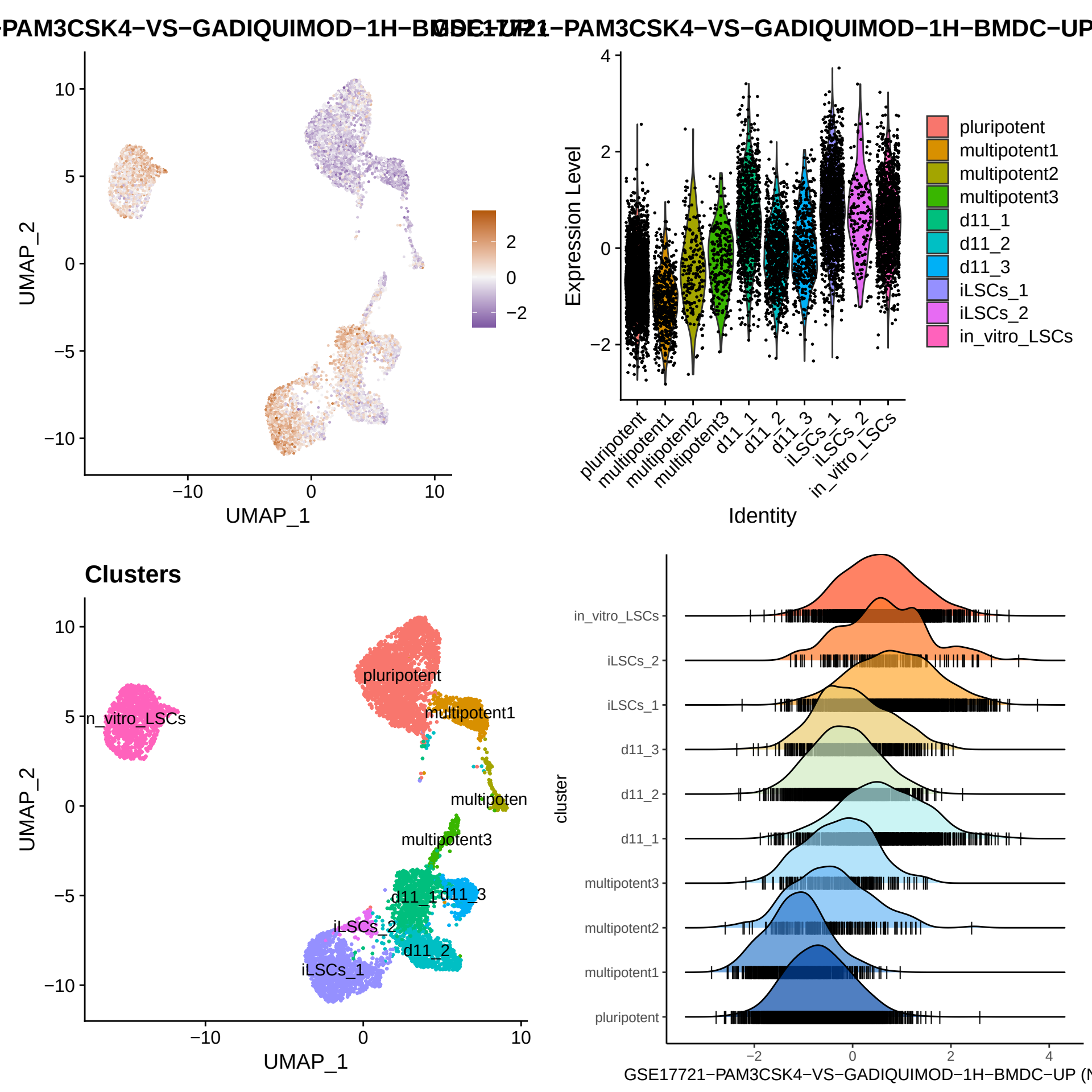

ATH−NAIVE−VS−MEMORY−CD8−TCELL−DN
GOLDRATH−NAIVE−VS−MEMORY−CD8−TCELL−DN
UMAP_2
UMAP_1
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
cluster
GOLDRATH−NAIVE−VS−MEMORY−CD8−TCELL−DN (NES

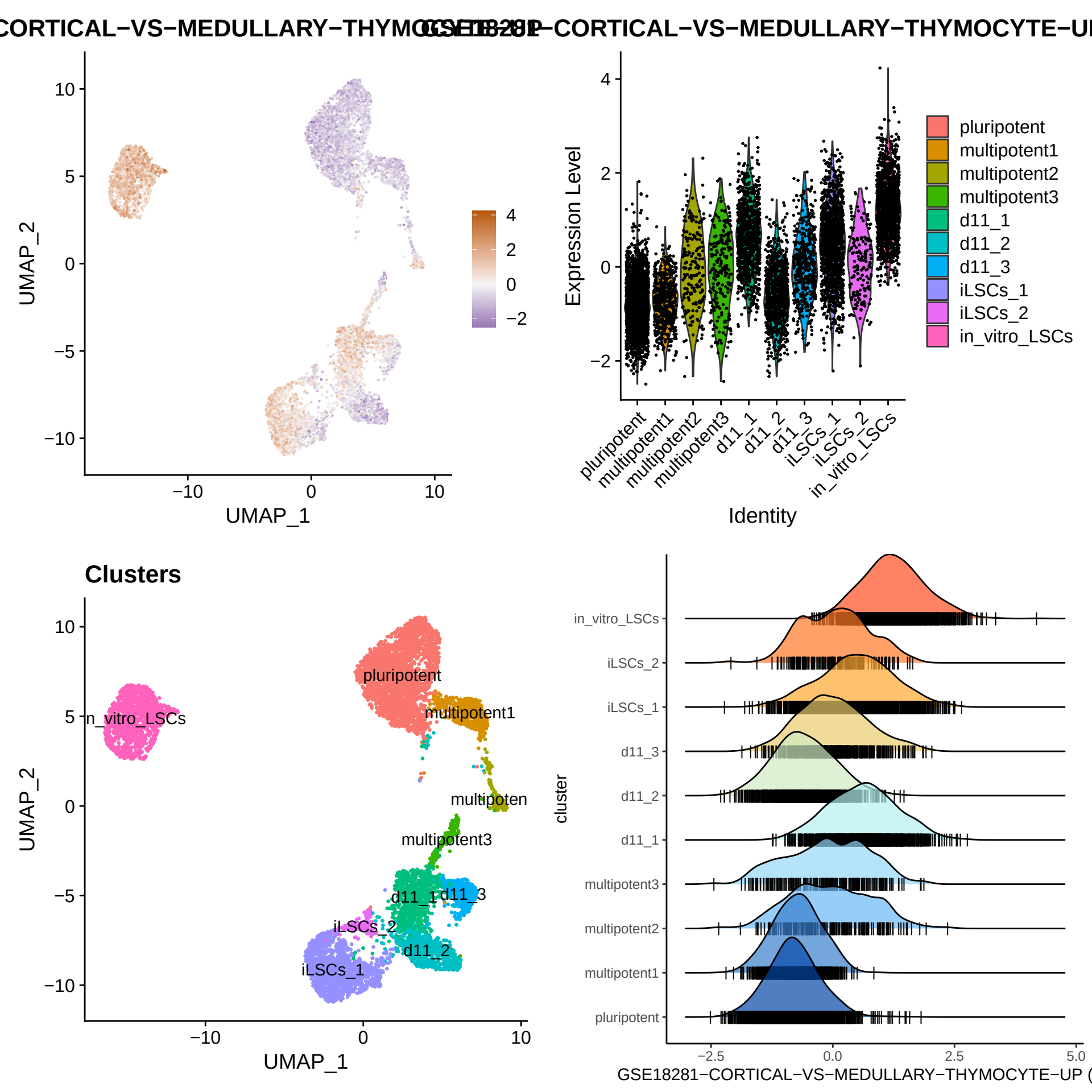

5−LUPUS−BCELL−VS−LUPUS−MYELOID−DN
GSE10325−LUPUS−BCELL−VS−LUPUS−MYELOID−DN
UMAP_2
UMAP_1
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
cluster
GSE10325−LUPUS−BCELL−VS−LUPUS−MYELOID−DN (NE

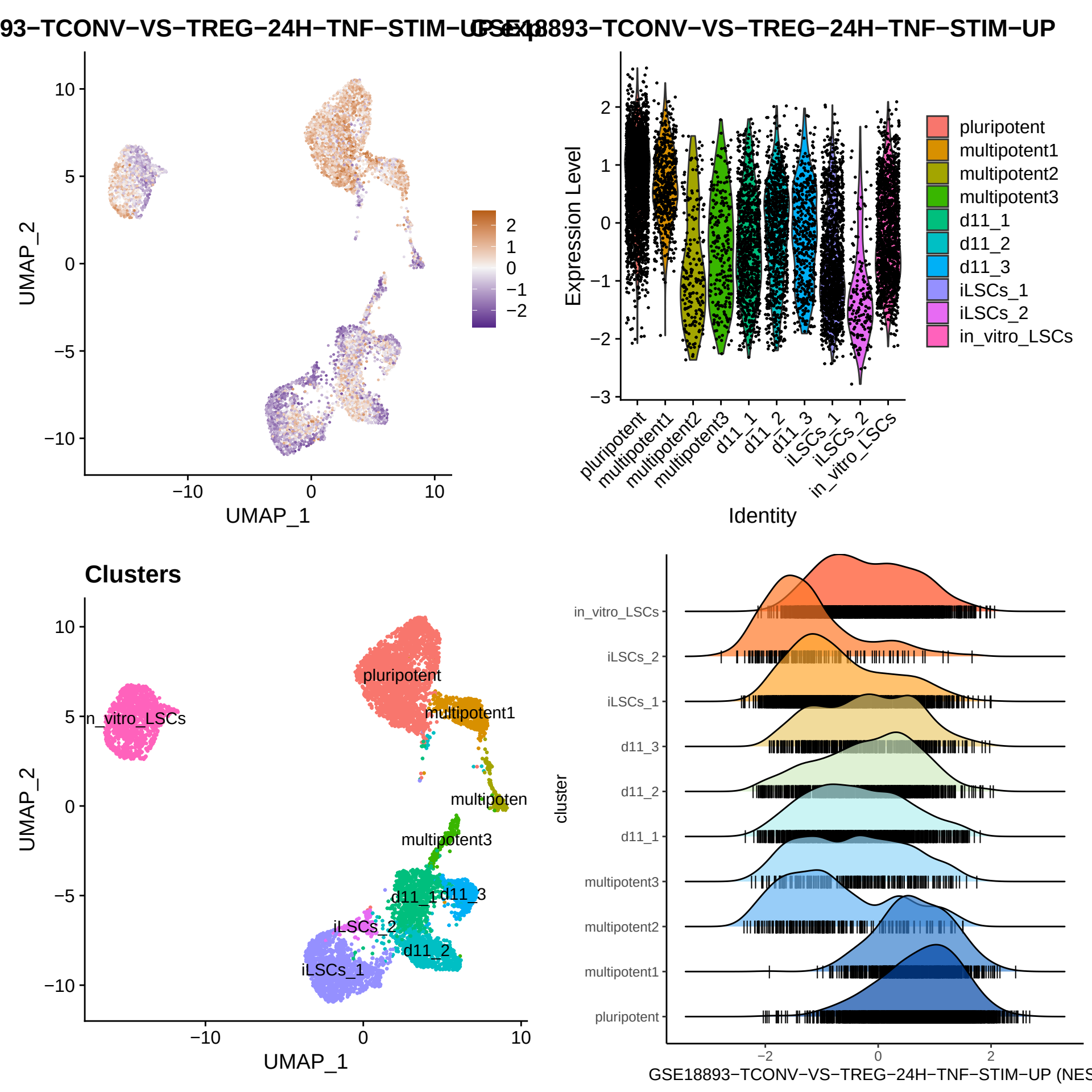

GSE11057−PBMC−VS−MEM−CD4−TCELL−UP expr
GSE11057−PBMC−VS−MEM−CD4−TCELL−UP
UMAP_2
UMAP_1
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
multipoten
cluster
GSE11057−PBMC−VS−MEM−CD4−TCELL−UP (NES)

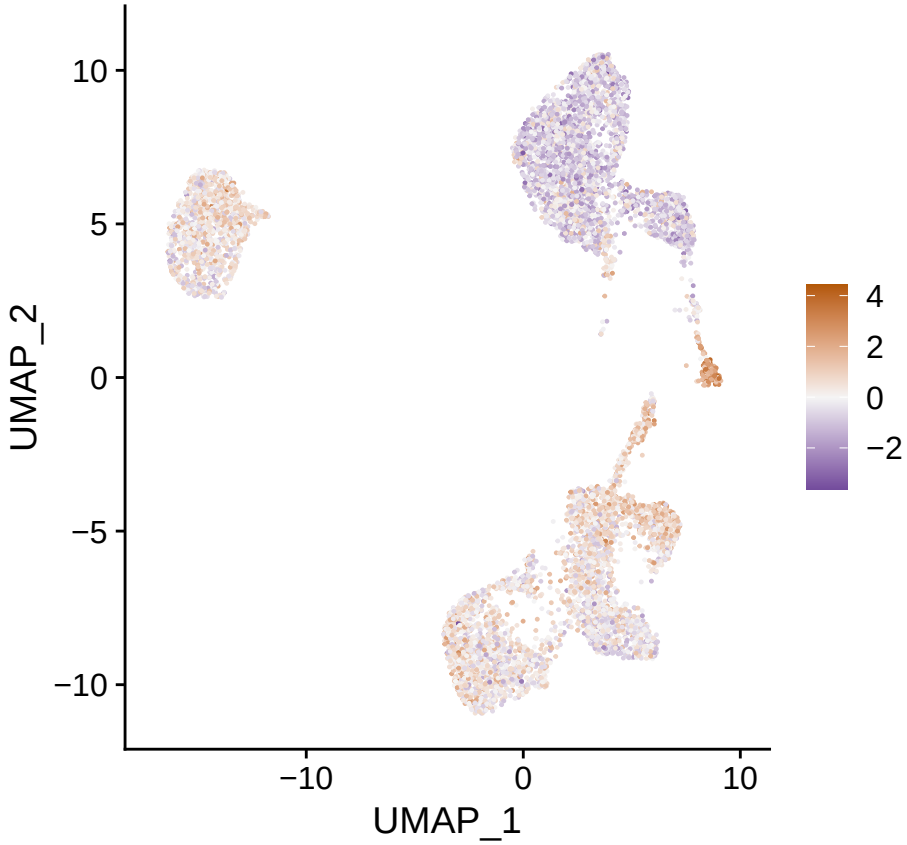

769−UNSTIM−VS−80MIN−LPS−BMDM−DN
GSE14769−UNSTIM−VS−80MIN−LPS−BMDM−DN
UMAP_2
UMAP_1
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
pluripotent
multipotent1
multipoten
multipotent3
d11_1
d11_3
iLSCs_2
d11_2
iLSCs_1
in_vitro_LSCs
cluster
GSE14769−UNSTIM−VS−80MIN−LPS−BMDM−DN (NES)

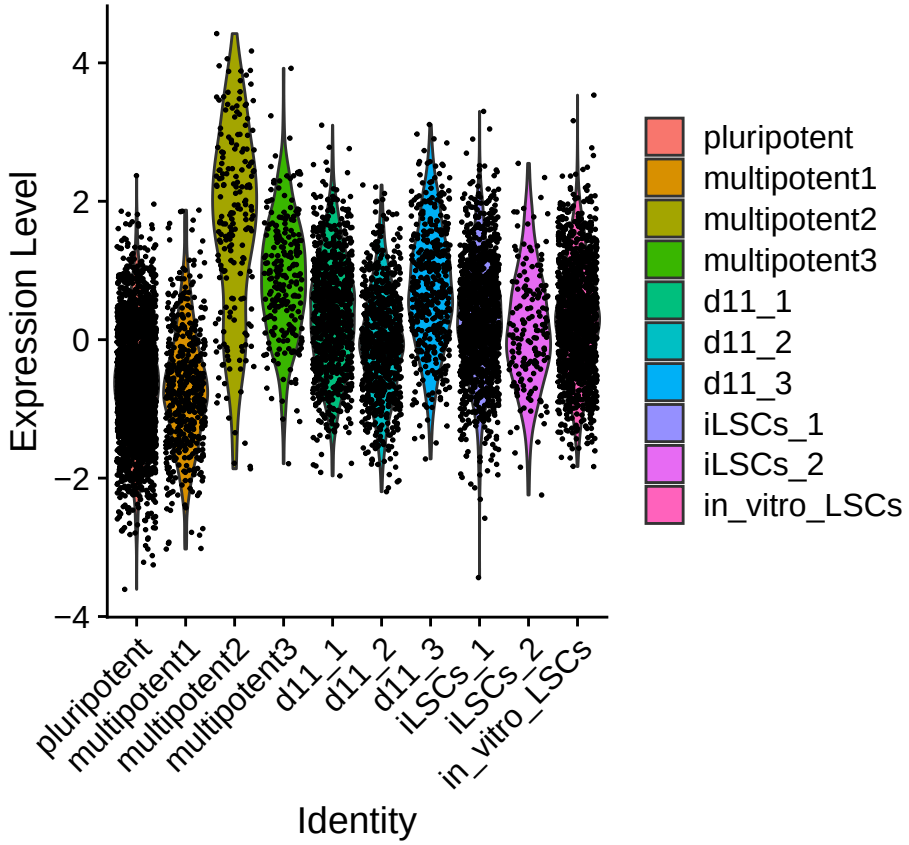

71−CXCR4−POS−VS−NEG−GC−BCELL−UP
GSE15271−CXCR4−POS−VS−NEG−GC−BCELL−UP
UMAP_2
UMAP_1
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
cluster
GSE15271−CXCR4−POS−VS−NEG−GC−BCELL−UP (NES

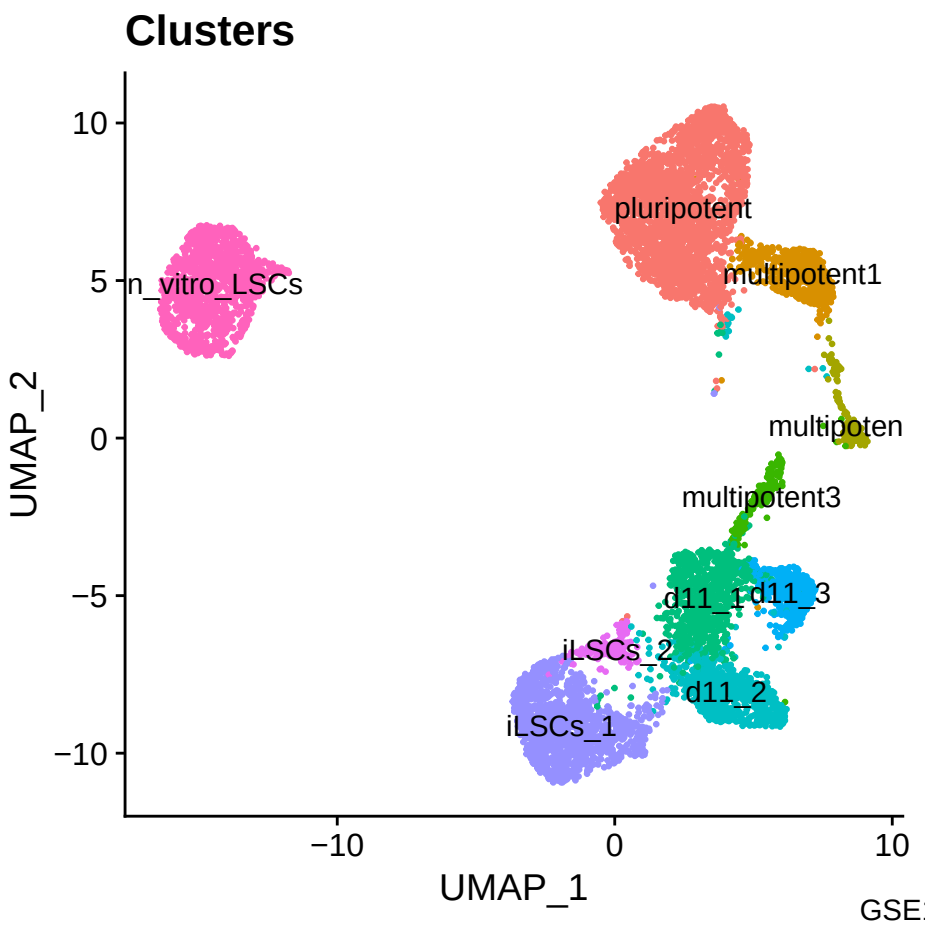

GSE17721−PAM3CSK4−VS−GADIQUIMOD−1H−BMDC−UP
UMAP_2
UMAP_1
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
cluster

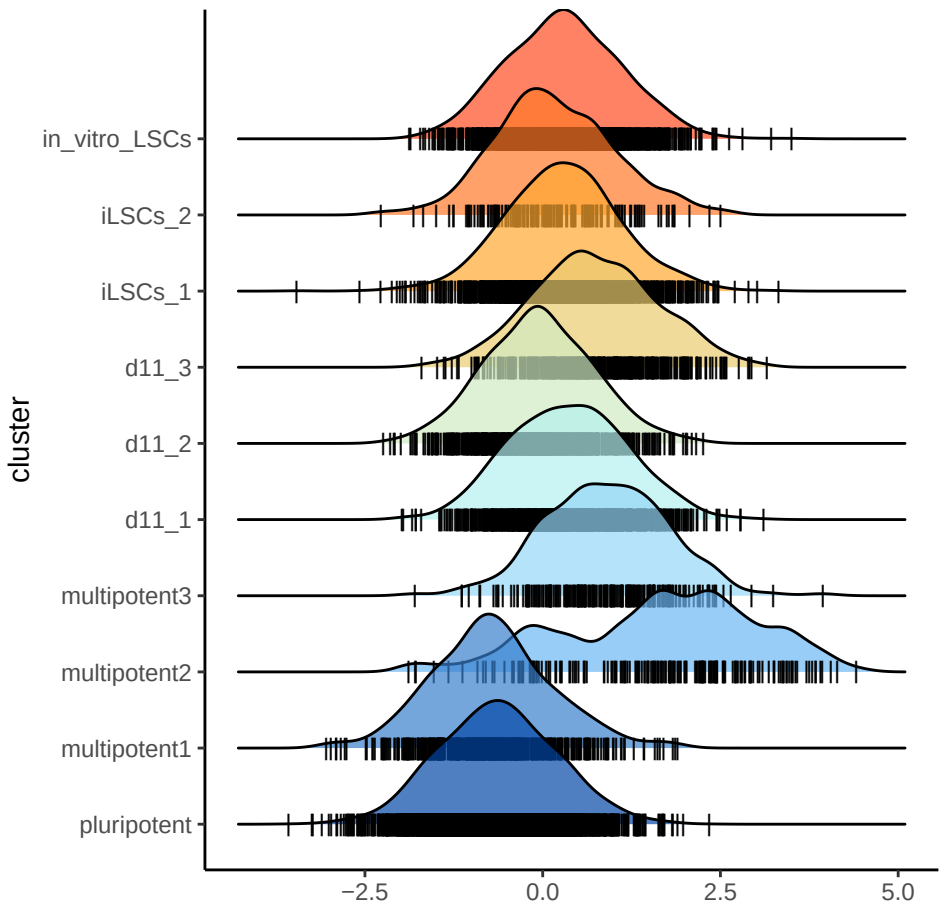

GSE18281−CORTICAL−VS−MEDULLARY−THYMOCYTE−UP
UMAP_1
UMAP_2
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
cluster
GSE18281−CORTICAL−VS−MEDULLARY−THYMOCYTE−UP (

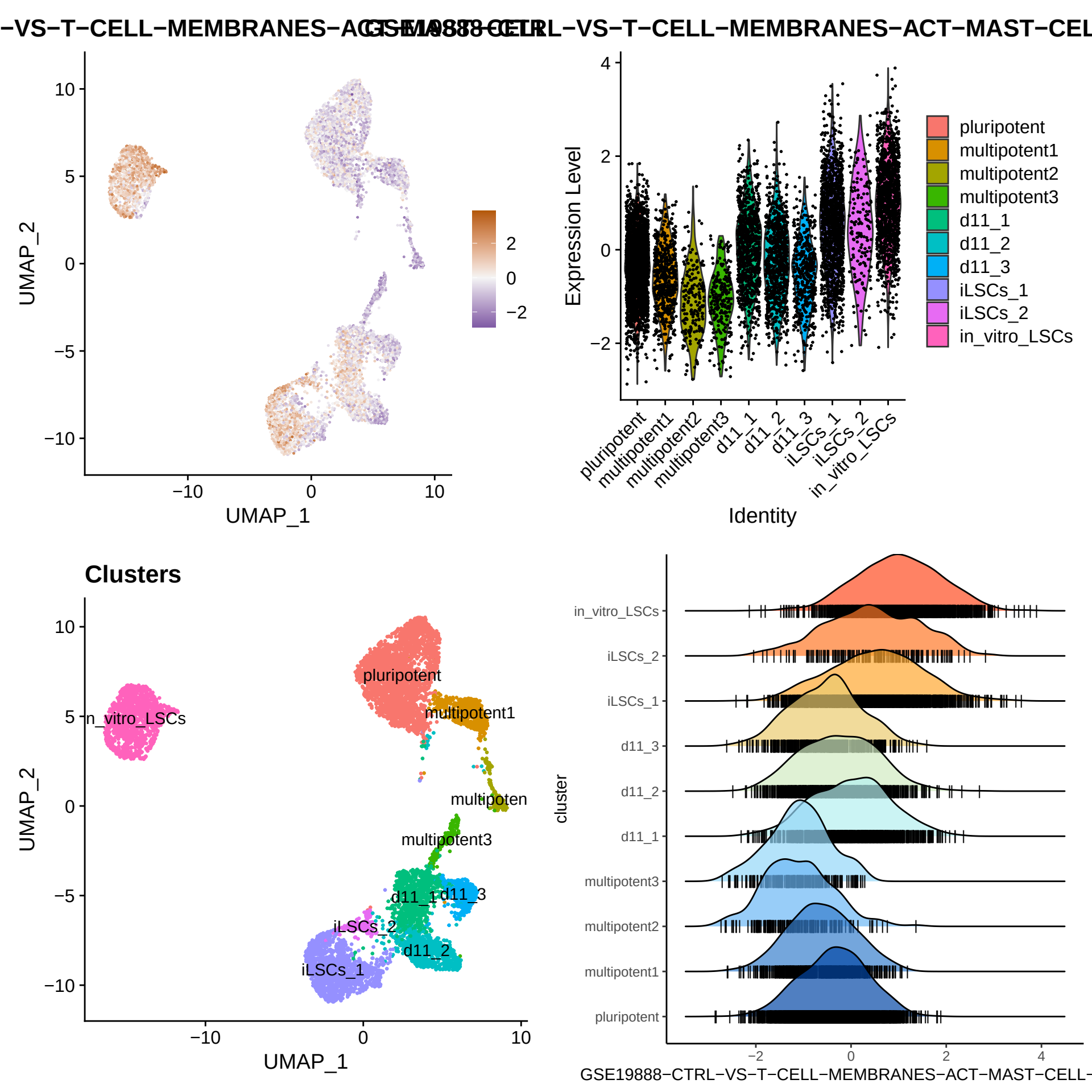

93−TCONV−VS−TREG−24H−TNF−STIM−UP
GSE18893−TCONV−VS−TREG−24H−TNF−STIM−UP
UMAP_2
UMAP_1
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
cluster
GSE18893−TCONV−VS−TREG−24H−TNF−STIM−UP (NES

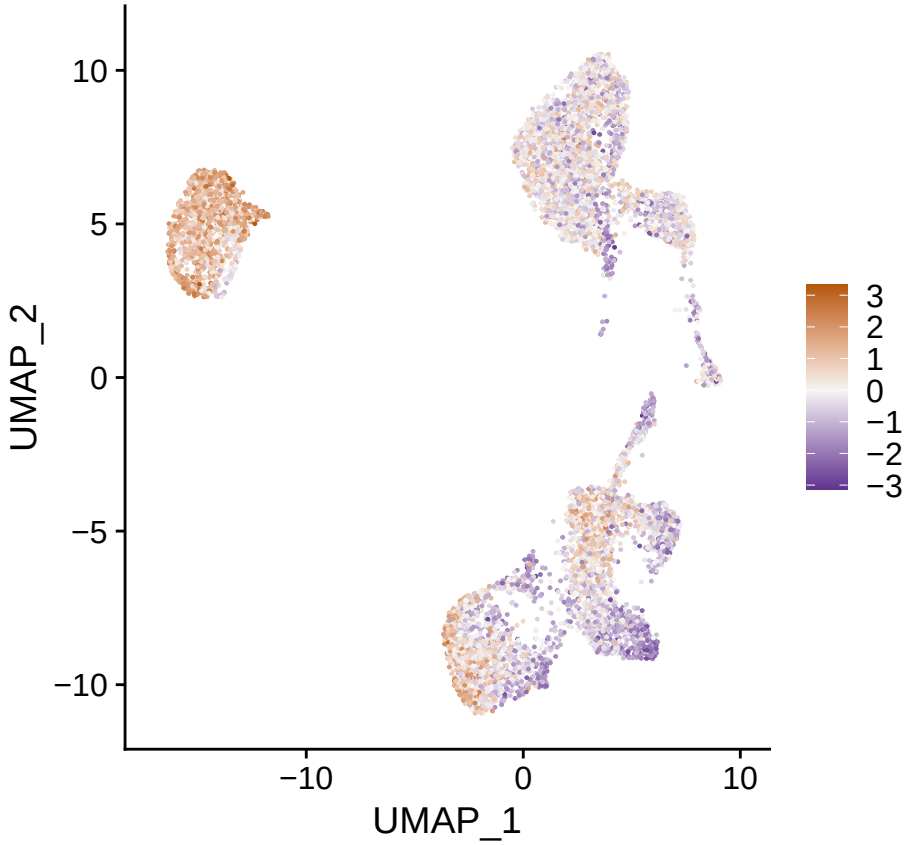

UMAP_2
UMAP_1
10
5
0
−5
−10
−10
0
10
4
2
0
−2

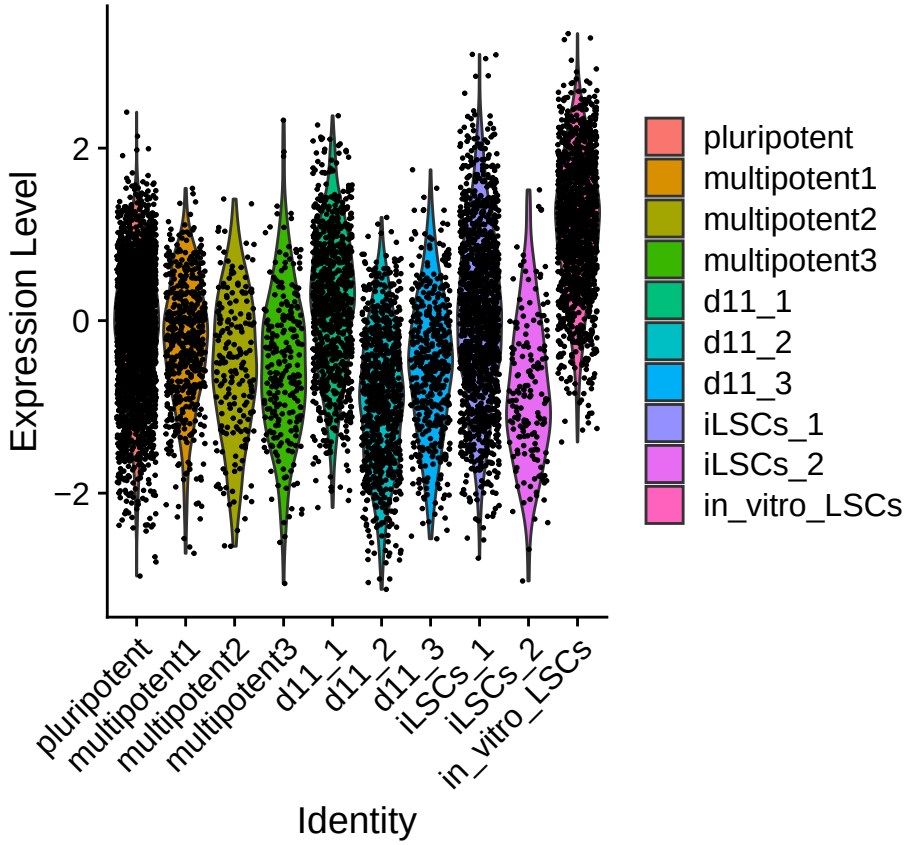

Expression Level
Identity
4
2
0
−2
−4
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs

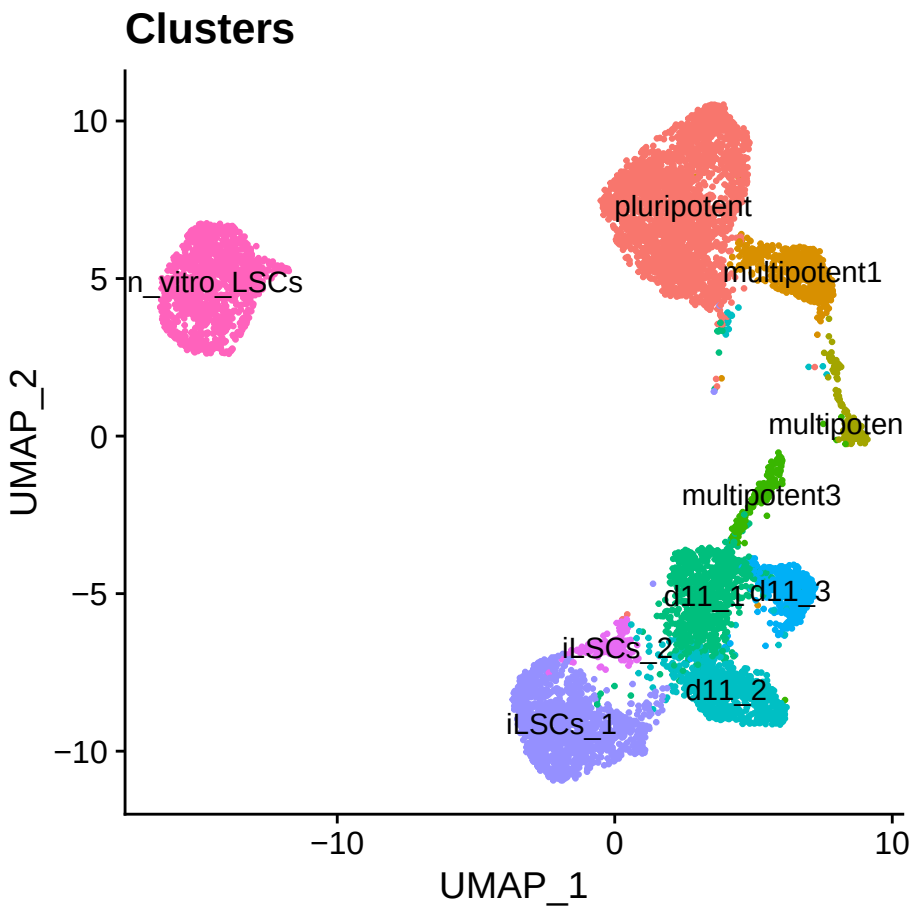

Clusters
UMAP_2
UMAP_1
10
5
0
−5
−10
−10
0
10
pluripotent
multipotent1
multipoten
multipotent3
d11_1
d11_3
iLSCs_2
d11_2
iLSCs_1
n_vitro_LSCs

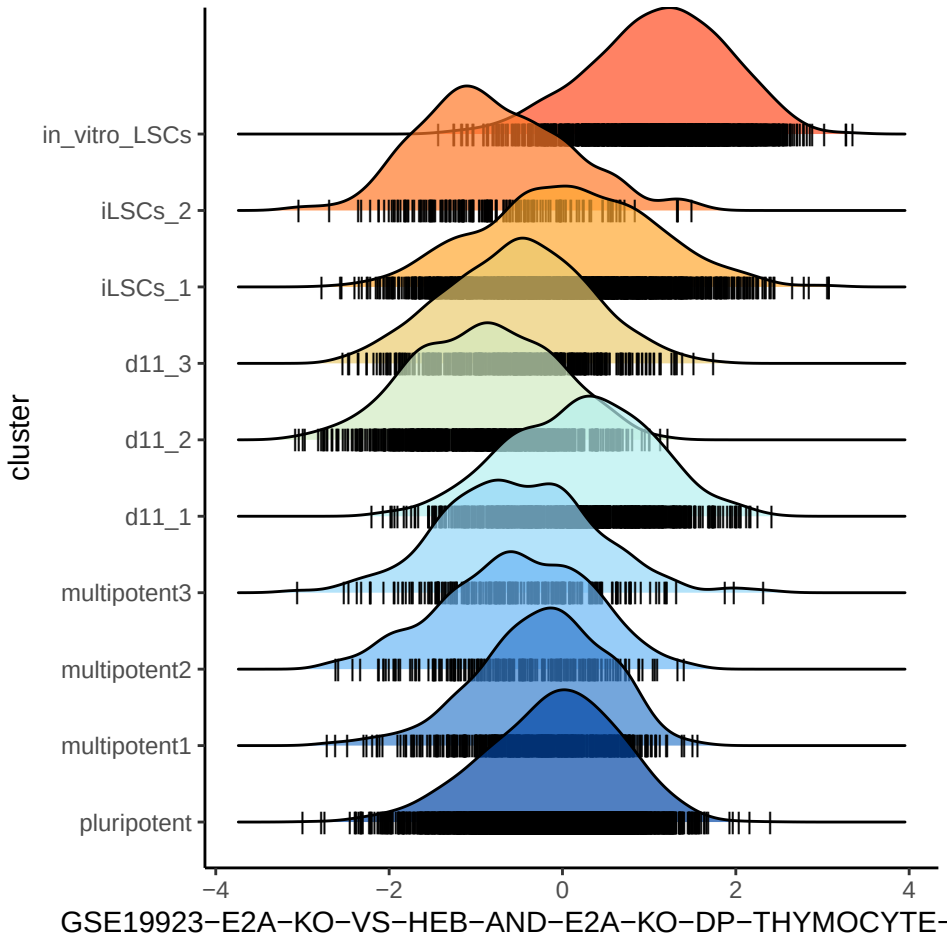

cluster
in_vitro_LSCs
iLSCs_2
iLSCs_1
d11_3
d11_2
d11_1
multipotent3
multipotent2
multipotent1
pluripotent
−2.5
0.0
2.5
5.0

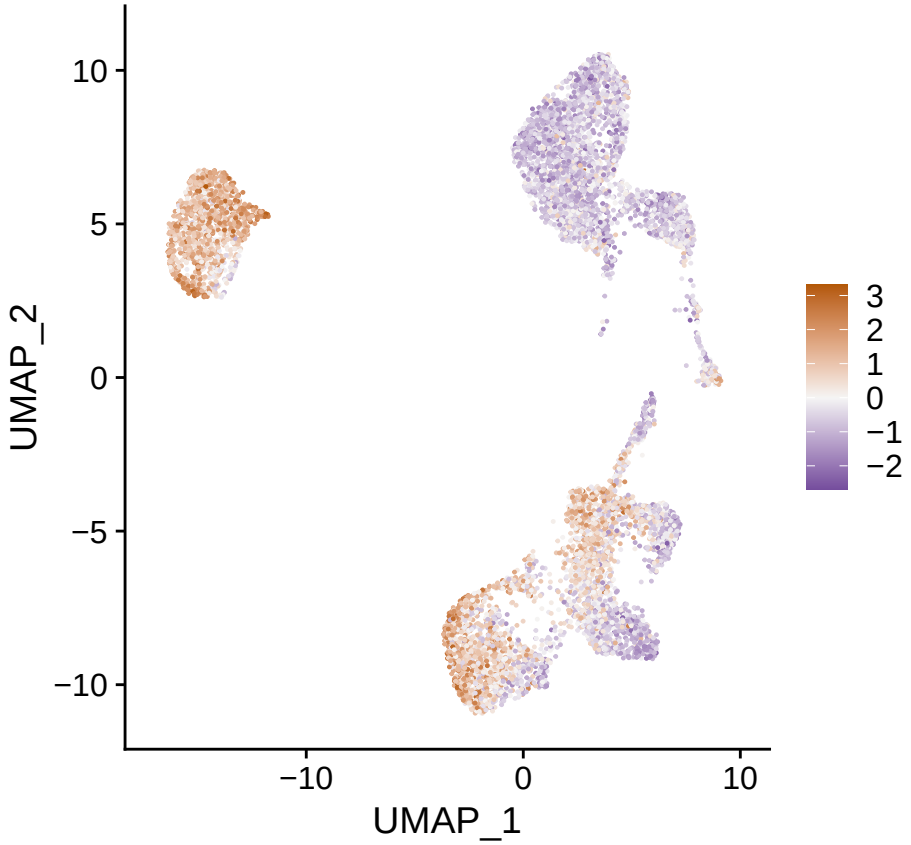

GSE19888-CTRL-VS-T-CELL-MEMBRANES-ACT-MAST-CELL
UMAP_2
UMAP_1
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
cluster

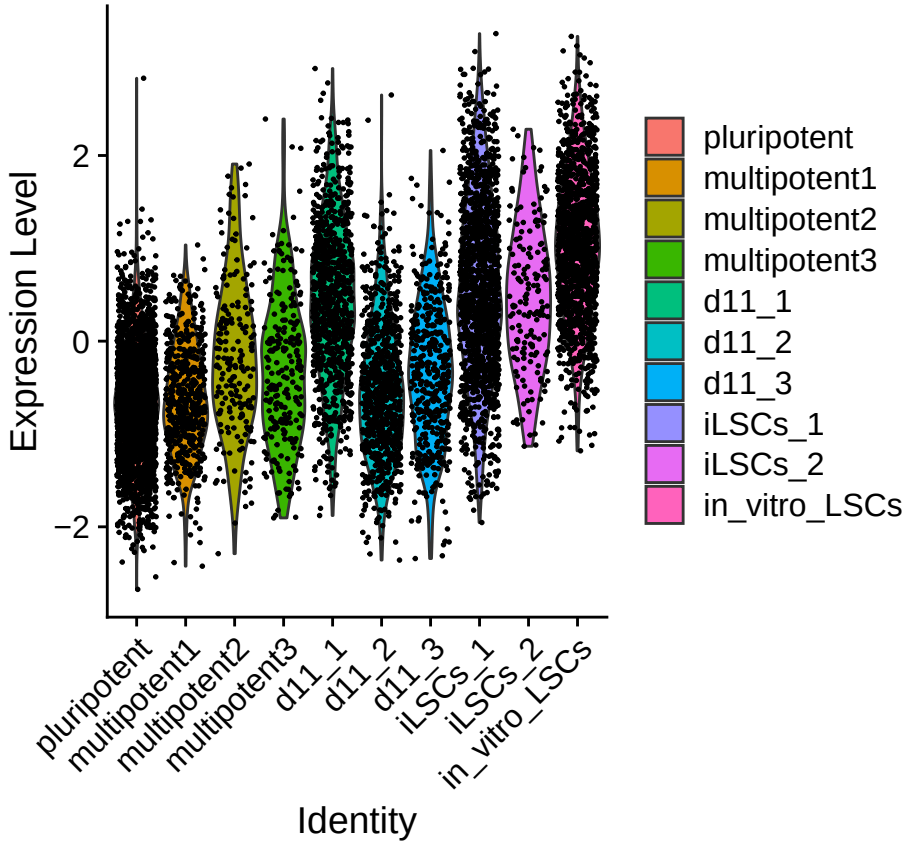

UMAP_2
UMAP_1
10
5
0
−5
−10
−10
0
10
3
2
1
0
−1
−2
−3

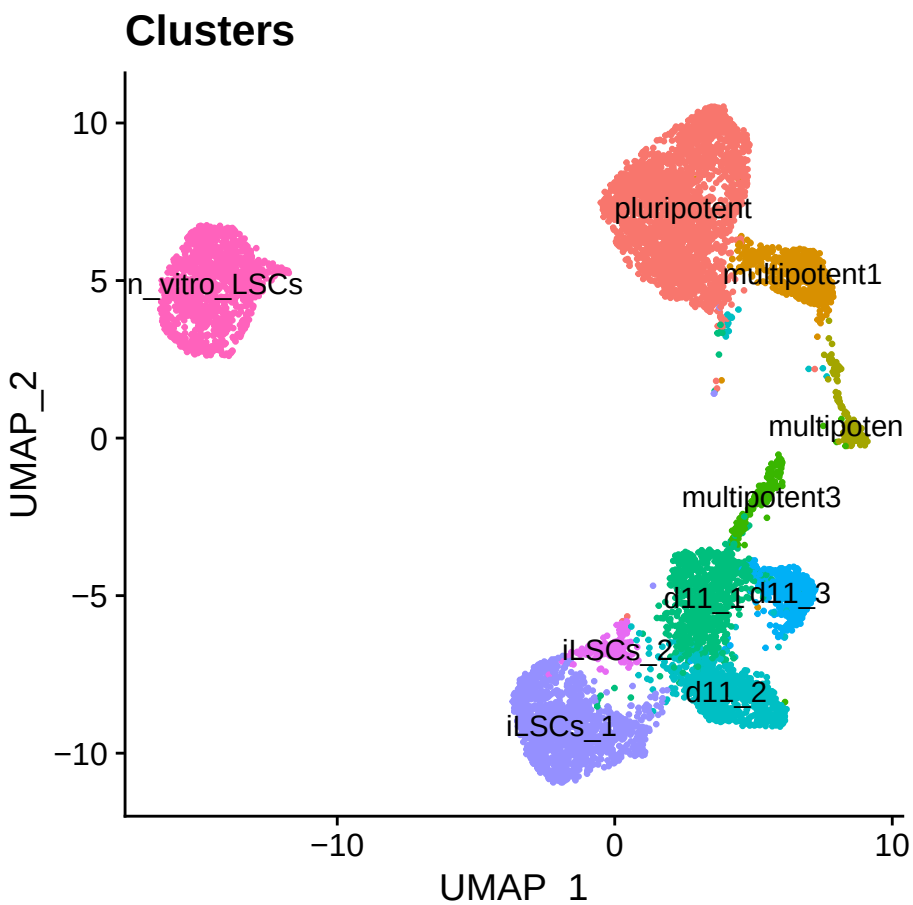

Expression Level
2
0
−2
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Identity

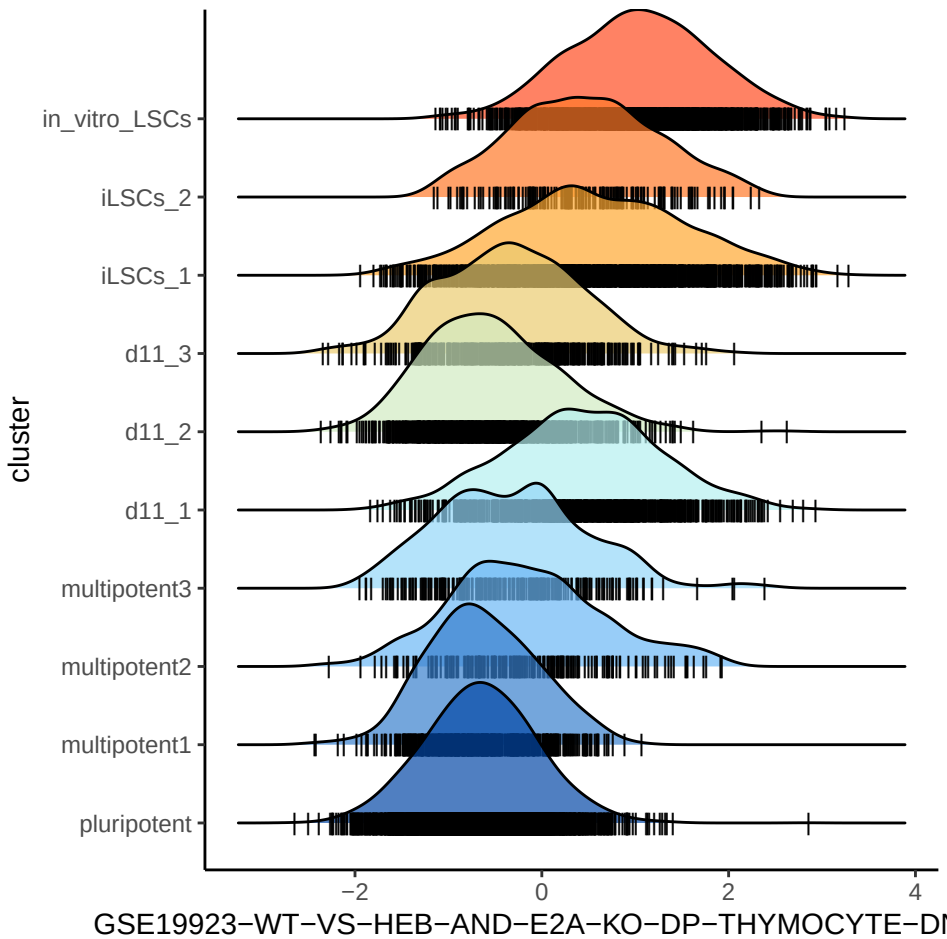

Clusters
UMAP_2
UMAP_1
10
5
0
−5
−10
−10
0
10
pluripotent
multipotent1
in_vitro_LSCs
multipoten
multipotent3
d11_1
d11_3
iLSCs_2
d11_2
iLSCs_1

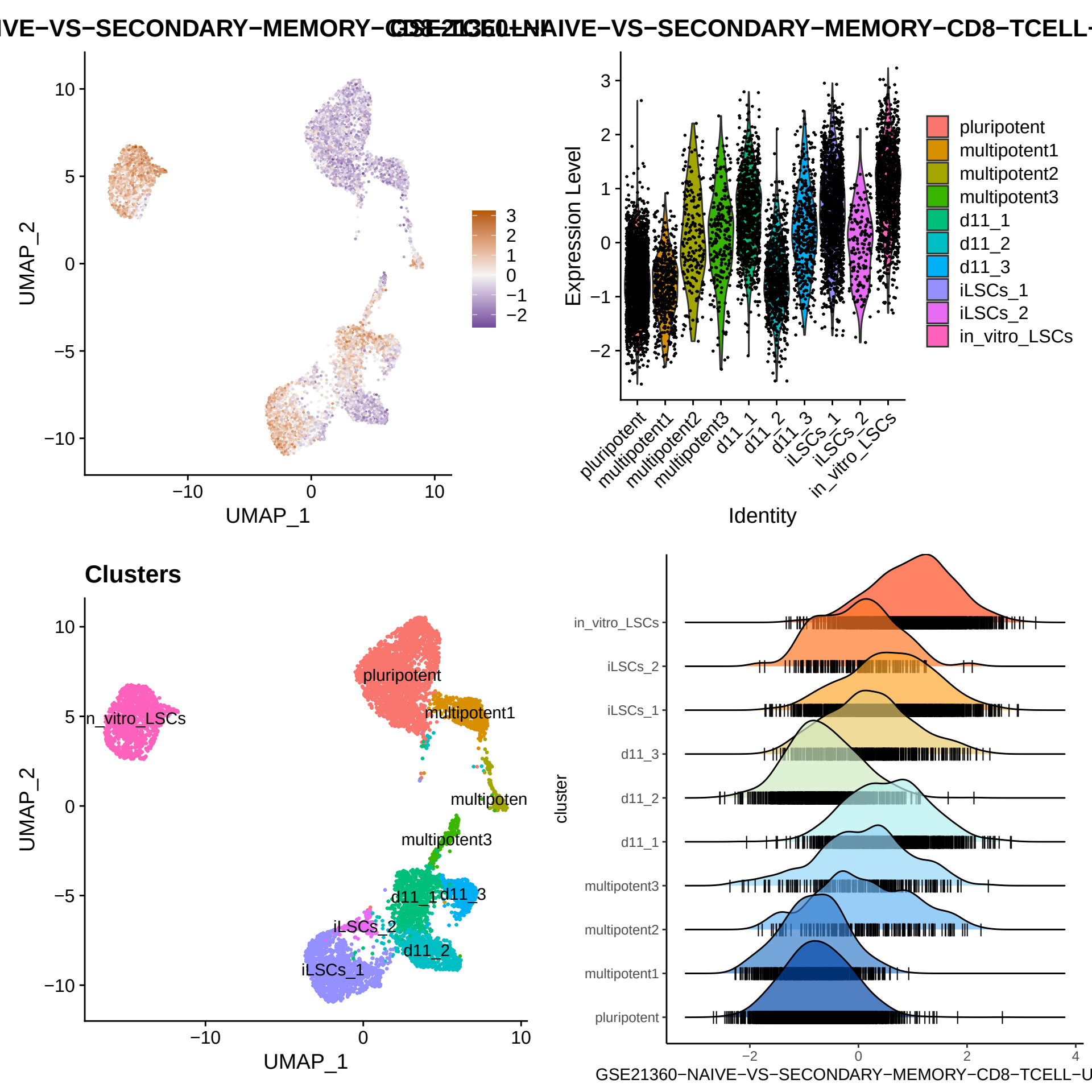

cluster
in_vitro_LSCs
iLSCs_2
iLSCs_1
d11_3
d11_2
d11_1
multipotent3
multipotent2
multipotent1
pluripotent
−4
−2
0
2
4
GSE19923−E2A−KO−VS−HEB−AND−E2A−KO−DP−THYMOCYTE−

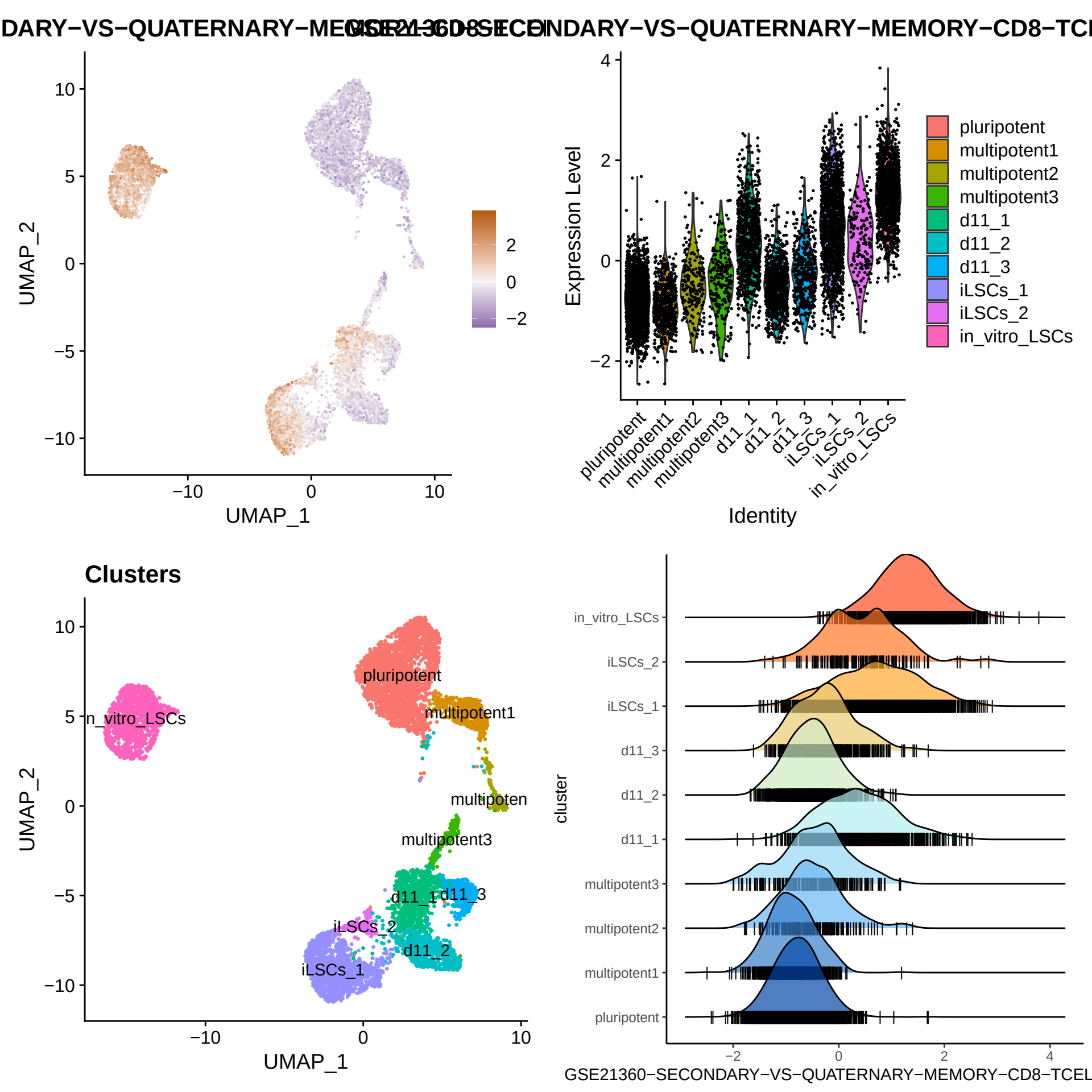

UMAP_2
UMAP_1
10
5
0
−5
−10
−10
0
10
3
2
1
0
−1
−2

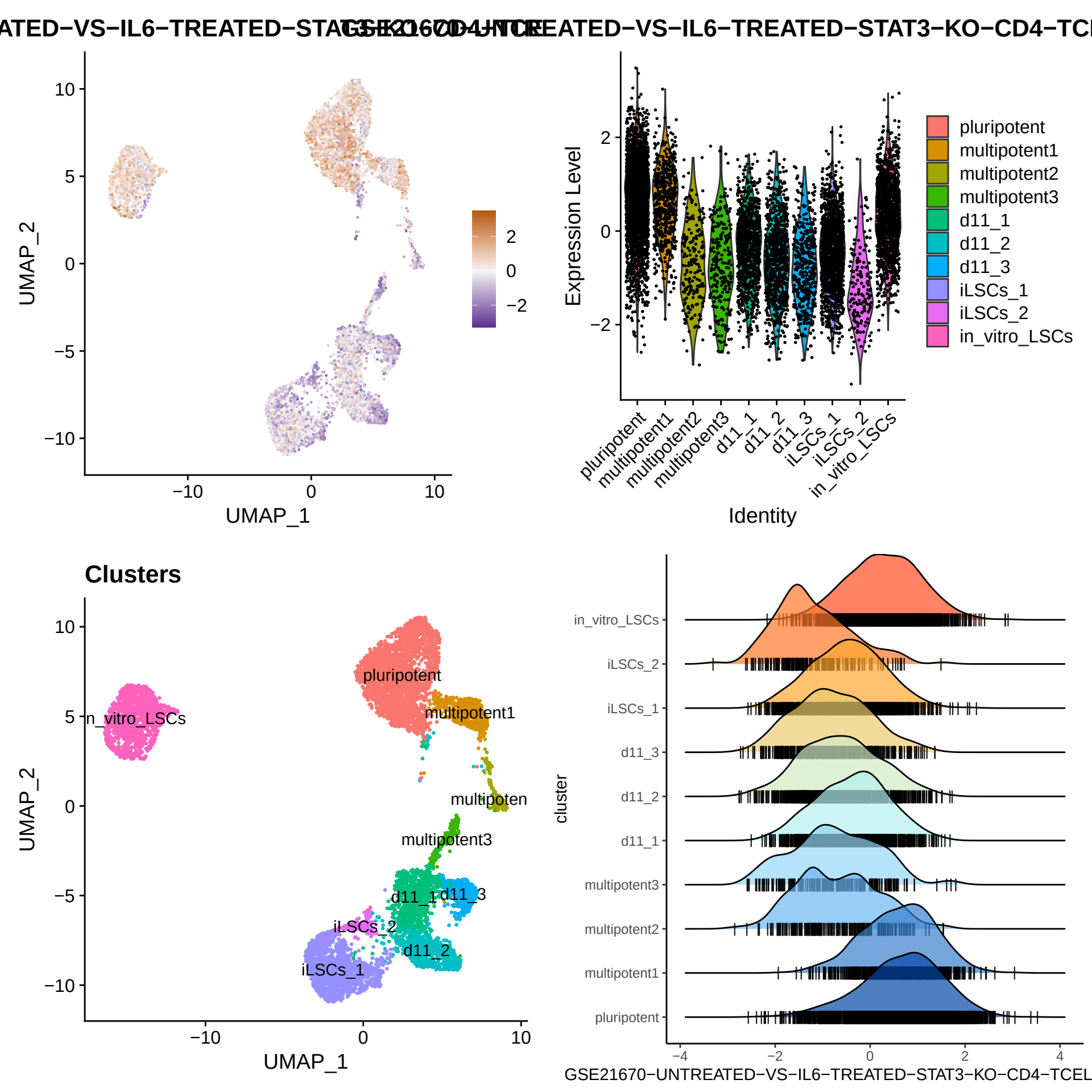

Expression Level
2
0
−2
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Identity

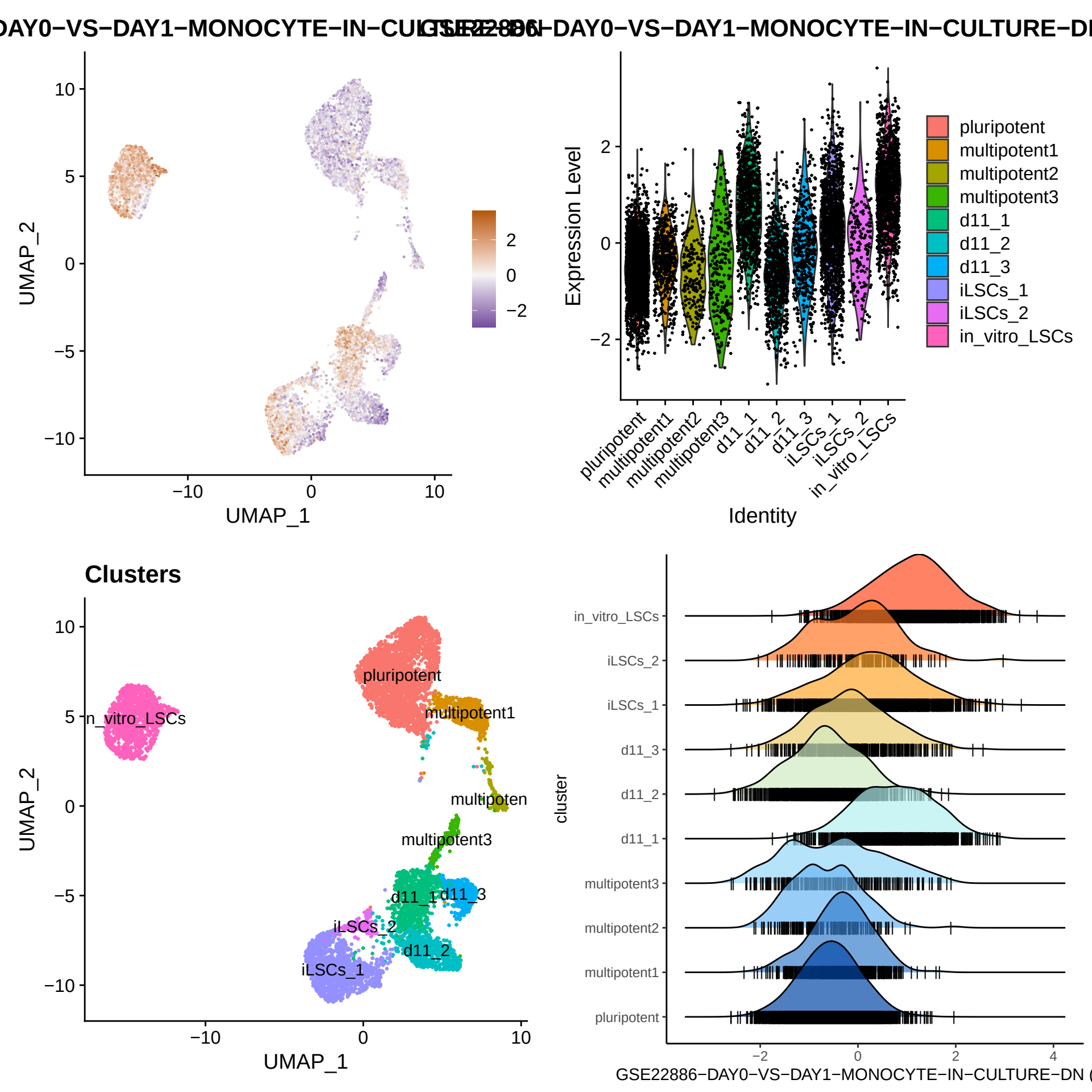

Clusters
UMAP_2
UMAP_1
10
5
0
−5
−10
−10
0
10
pluripotent
multipotent1
multipoten
multipotent3
d11_1
d11_3
iLSCs_2
d11_2
iLSCs_1
in_vitro_LSCs

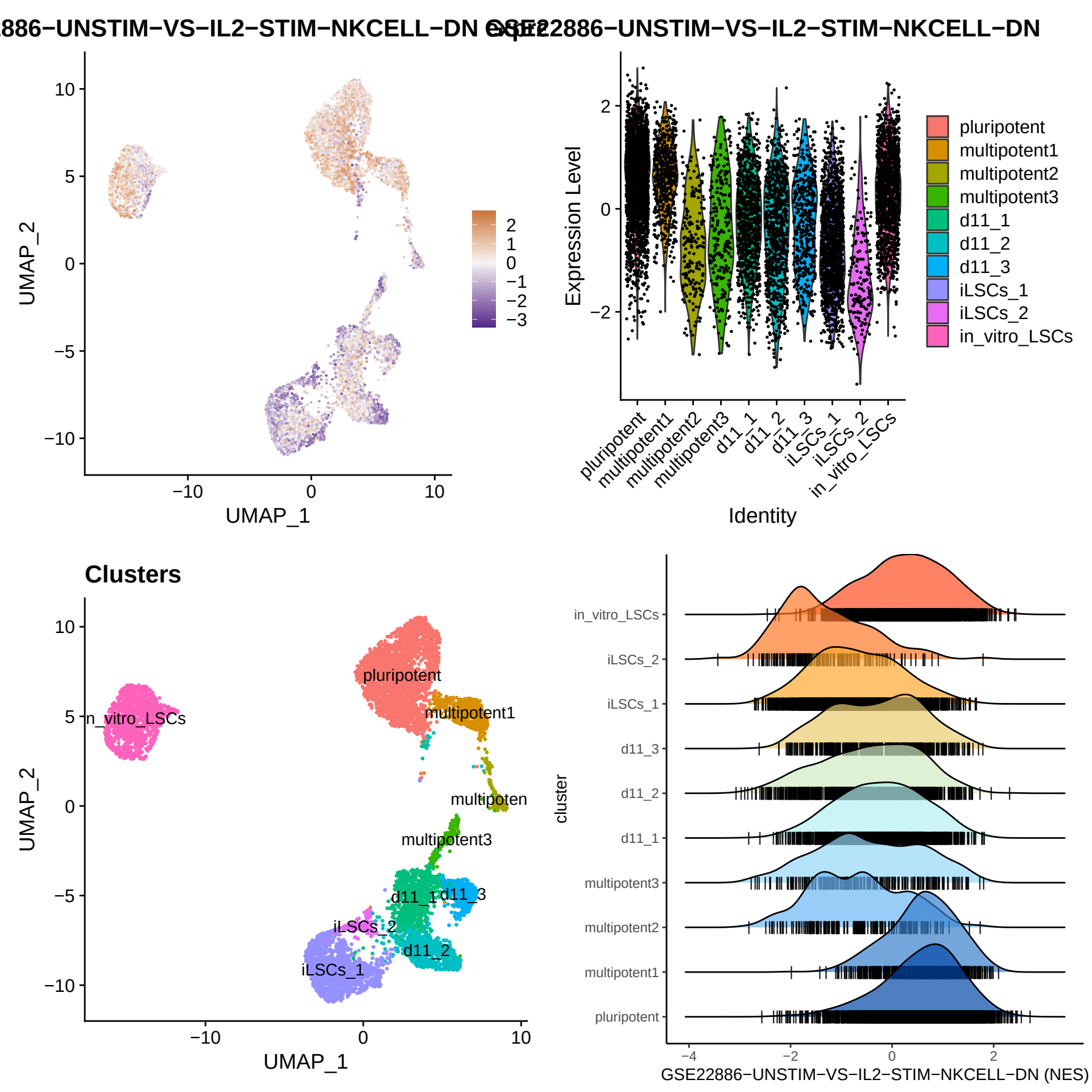

cluster
in_vitro_LSCs
iLSCs_2
iLSCs_1
d11_3
d11_2
d11_1
multipotent3
multipotent2
multipotent1
pluripotent
−2
0
2
4
GSE19923−WT−VS−HEB−AND−E2A−KO−DP−THYMOCYTE−DN

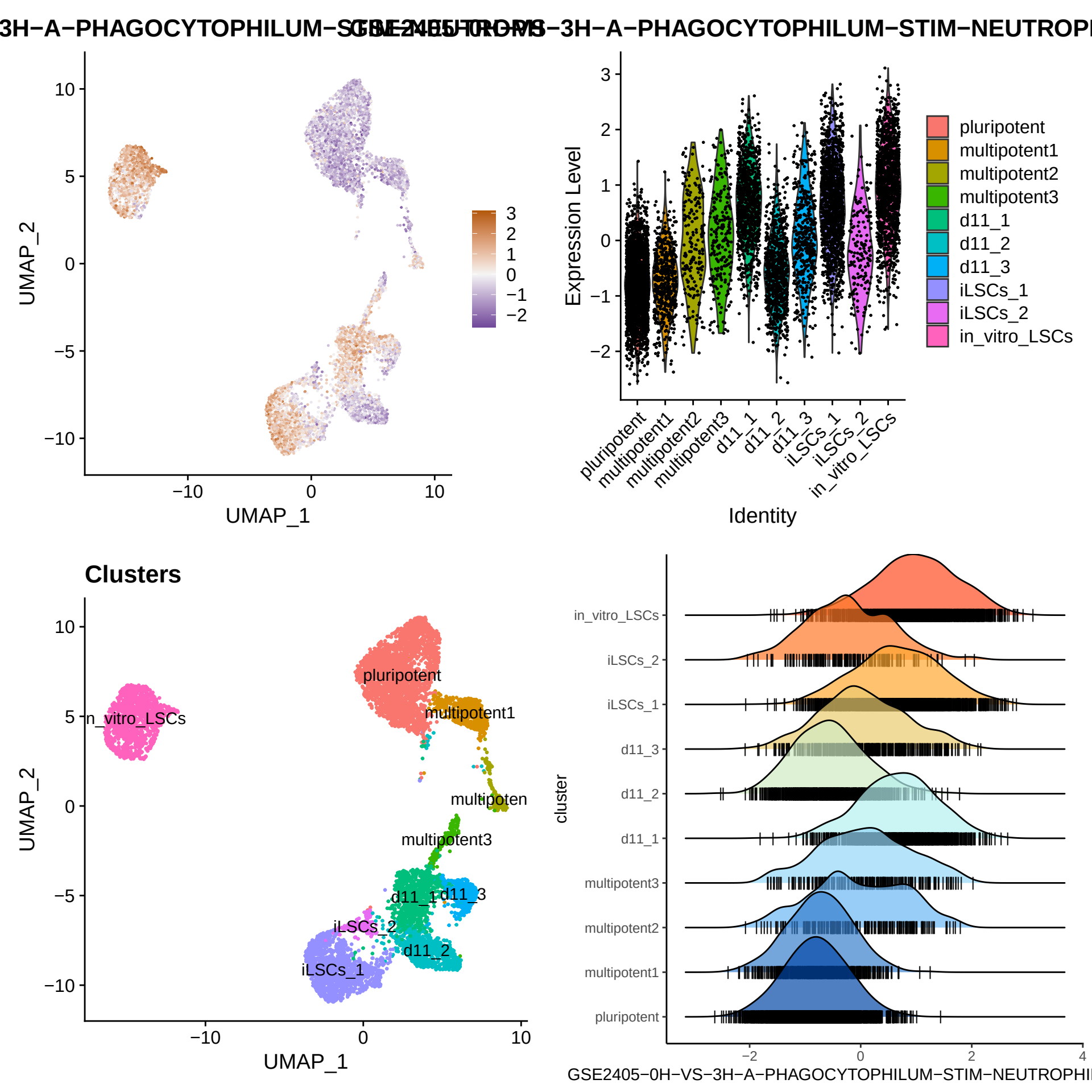

IVE−VS−SECONDARY−MEMORY−CD8−TCELL−N
GSE21360−NAIVE−VS−SECONDARY−MEMORY−CD8−TCELL−
UMAP_2
UMAP_1
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
in_vitro_LSCs
pluripotent
multipotent1
multipoten
multipotent3
d11_1
d11_3
iLSCs_2
d11_2
iLSCs_1
cluster
GSE21360−NAIVE−VS−SECONDARY−MEMORY−CD8−TCELL−U

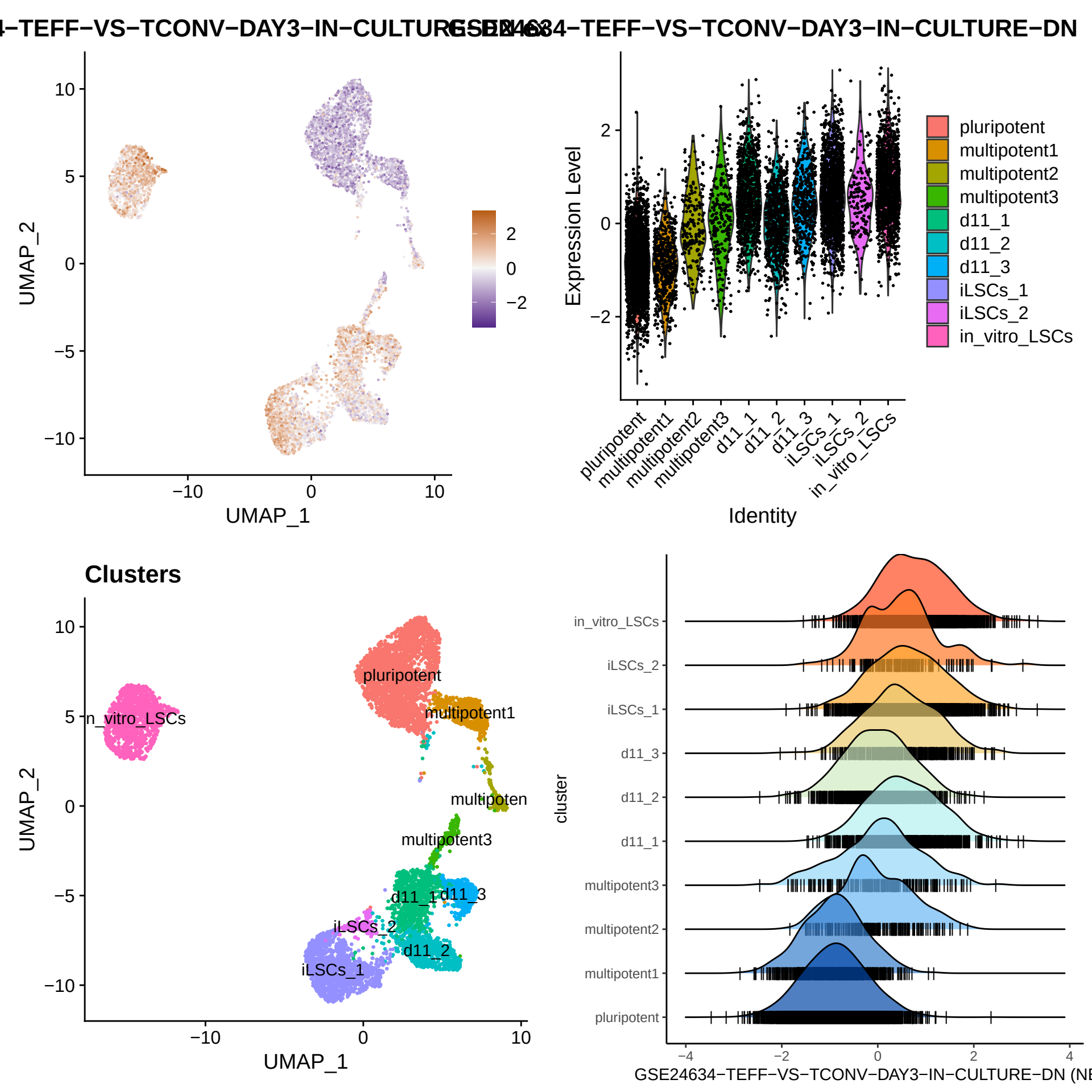

GSE21360-SECONDARY-VS-QUATERNARY-MEMORY-CD8-TCEL
UMAP_2
UMAP_1
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
cluster
GSE21360-SECONDARY-VS-QUATERNARY-MEMORY-CD8-TCEL

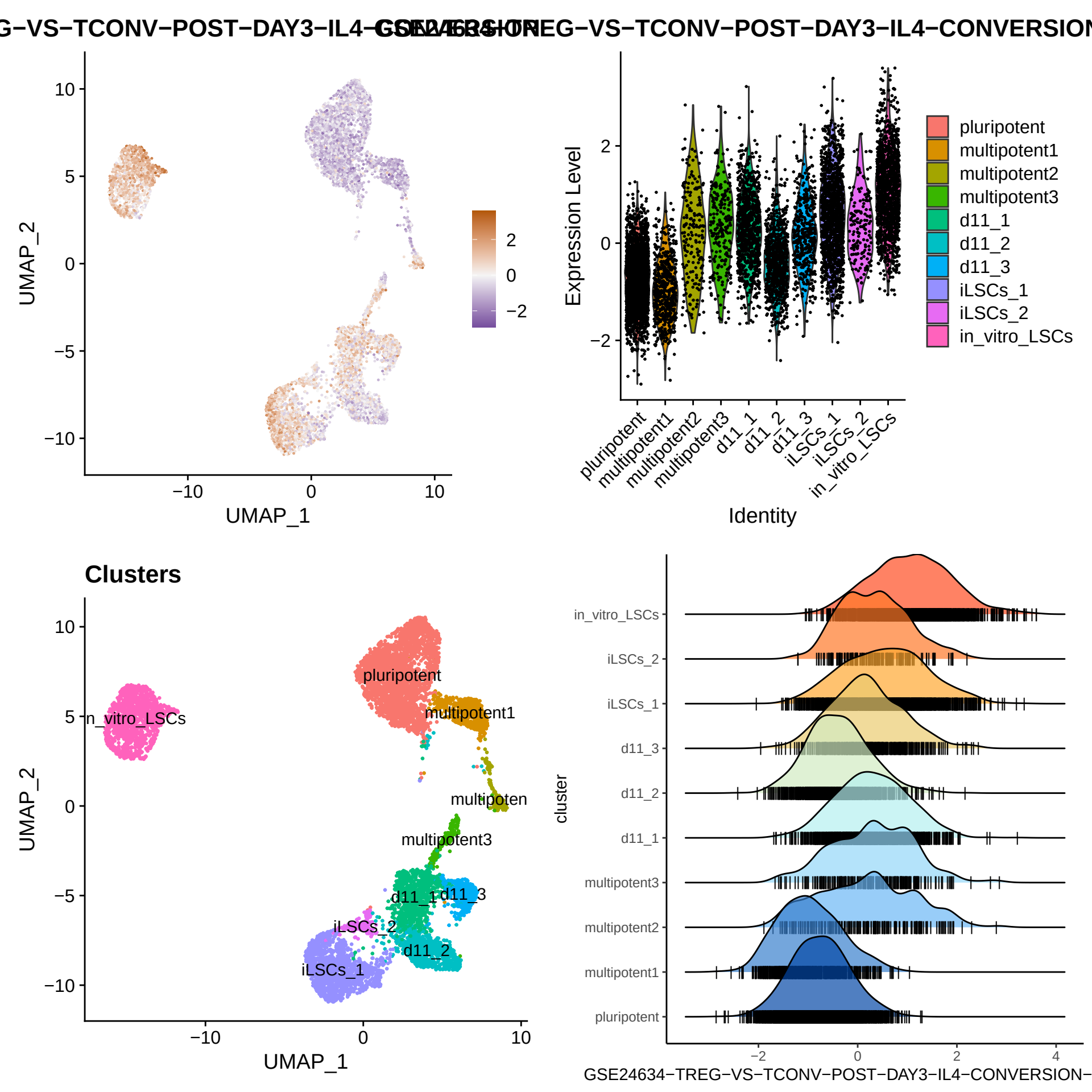

GSE21670−UNTREATED−VS−IL6−TREATED−STAT3−KO−CD4−TCEL
UMAP_2
UMAP_1
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
cluster

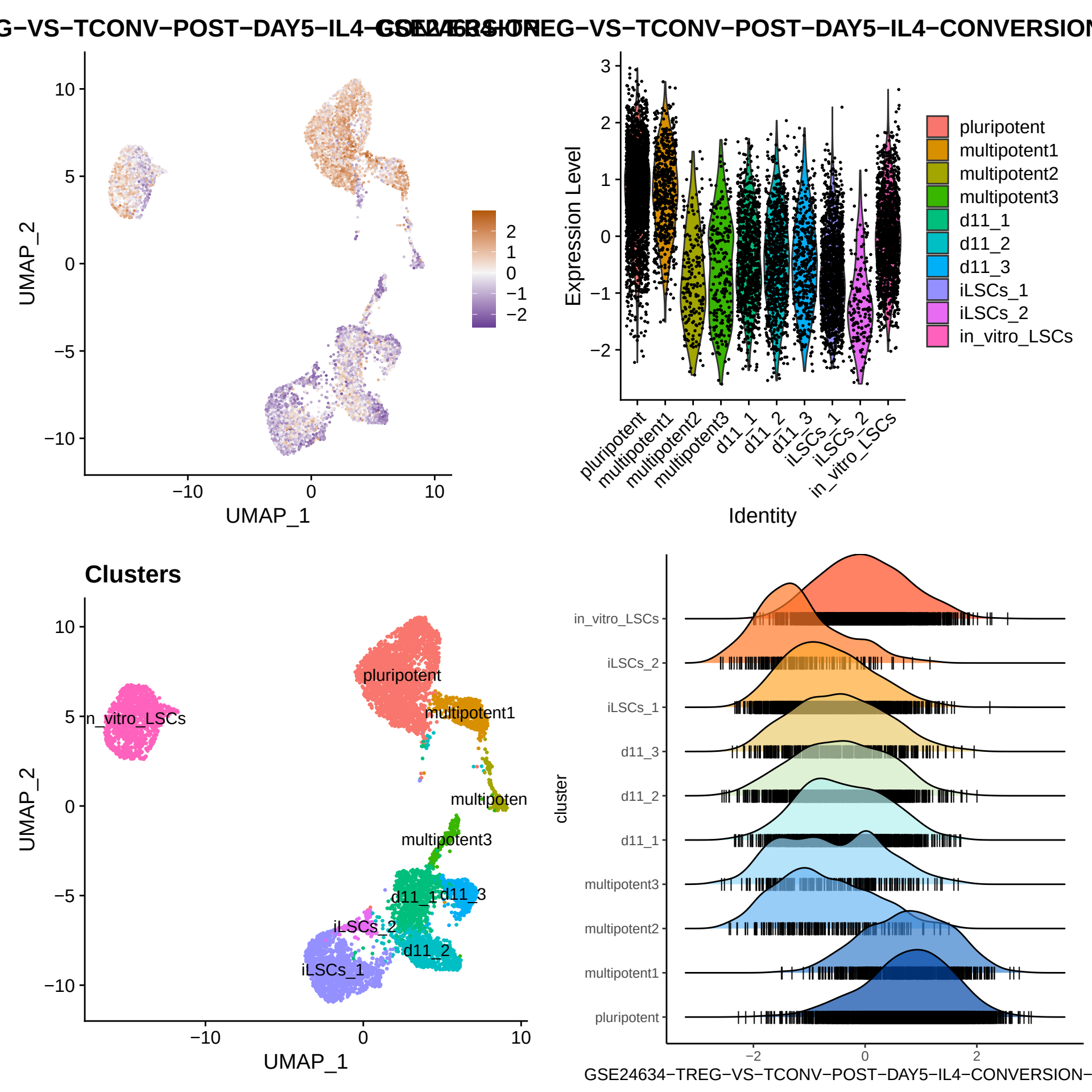

DAY0−VS−DAY1−MONOCYTE−IN−CULTURE−DN
GSE22886−DAY0−VS−DAY1−MONOCYTE−IN−CULTURE−DN
UMAP_2
UMAP_1
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
cluster
GSE22886−DAY0−VS−DAY1−MONOCYTE−IN−CULTURE−DN

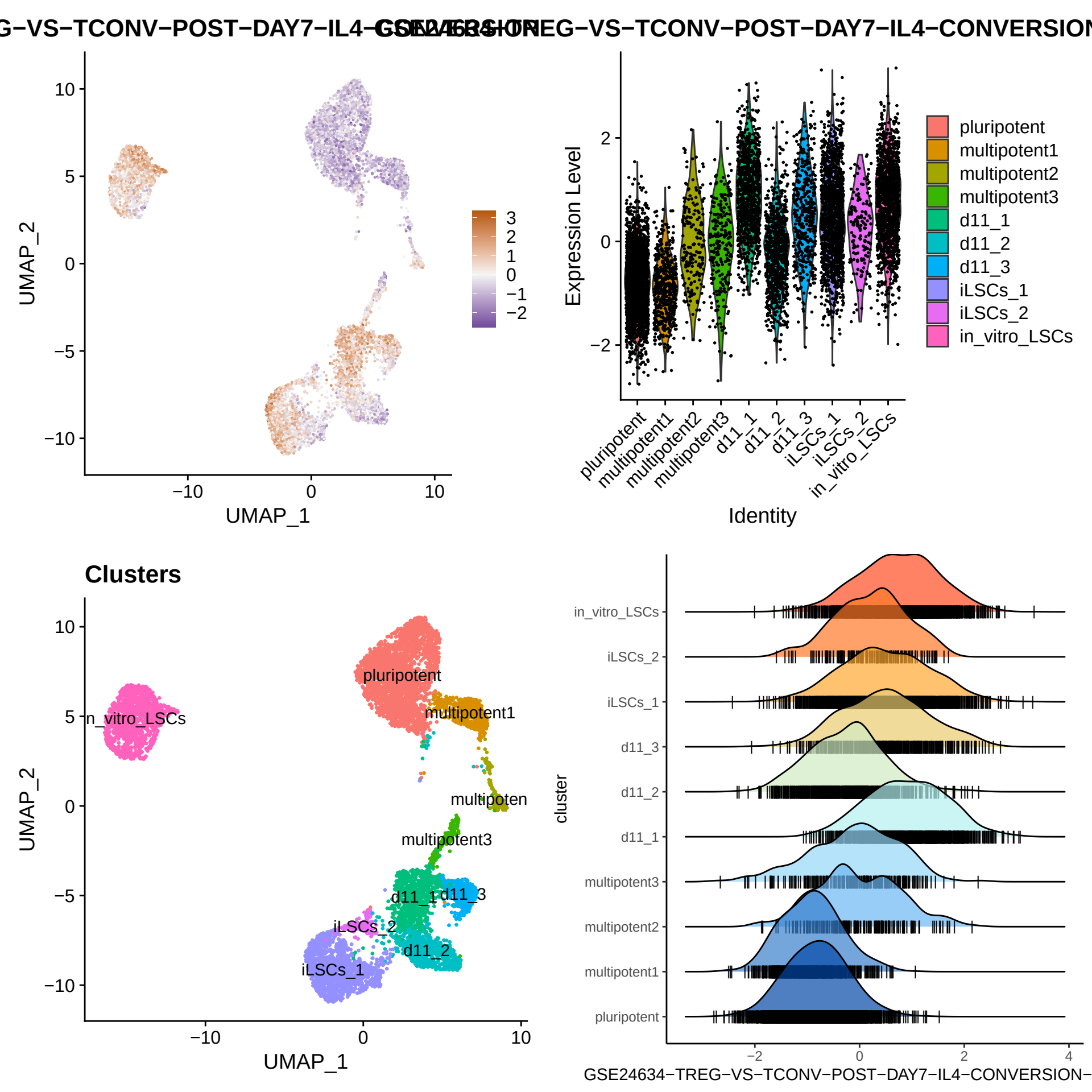

886−UNSTIM−VS−IL2−STIM−NKCELL−DN
GSE22886−UNSTIM−VS−IL2−STIM−NKCELL−DN
UMAP_2
UMAP_1
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
cluster
GSE22886−UNSTIM−VS−IL2−STIM−NKCELL−DN (NES)

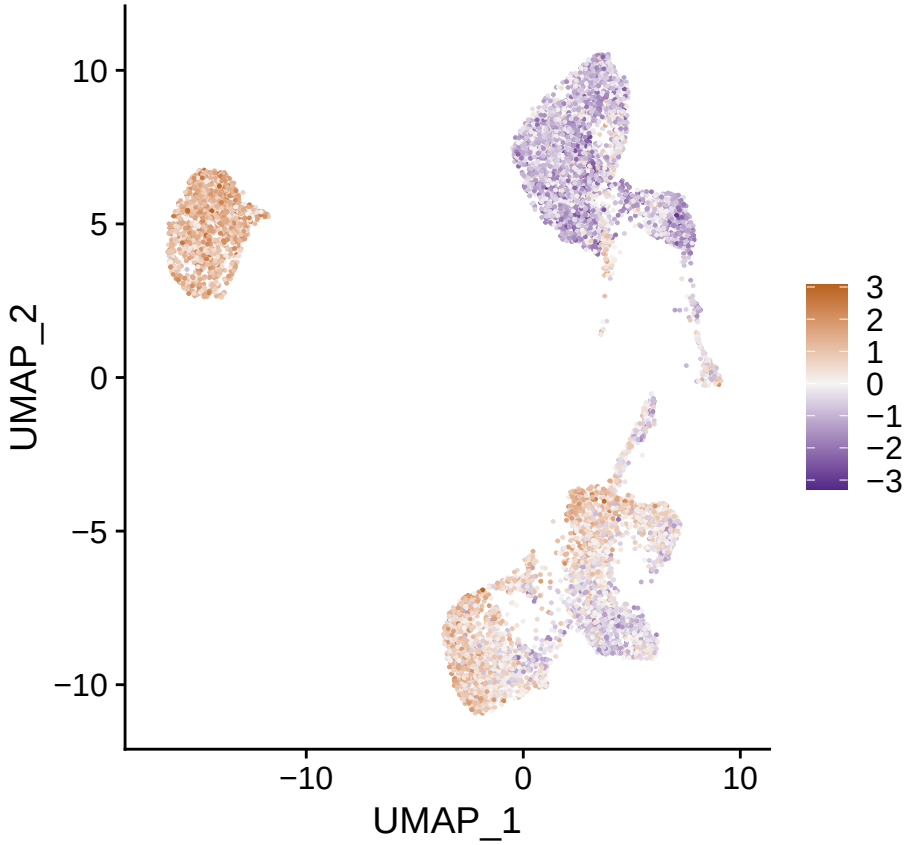

3H−A−PHAGOCYTOPHILUM−STIM−NEUTROPH
GSE2405−0H−VS−3H−A−PHAGOCYTOPHILUM−STIM−NEUTROPH
UMAP_2
UMAP_1
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
pluripotent
multipotent1
multipoten
multipotent3
d11_1
d11_3
iLSCs_2
d11_2
iLSCs_1
in_vitro_LSCs
cluster
GSE2405−0H−VS−3H−A−PHAGOCYTOPHILUM−STIM−NEUTROPHI

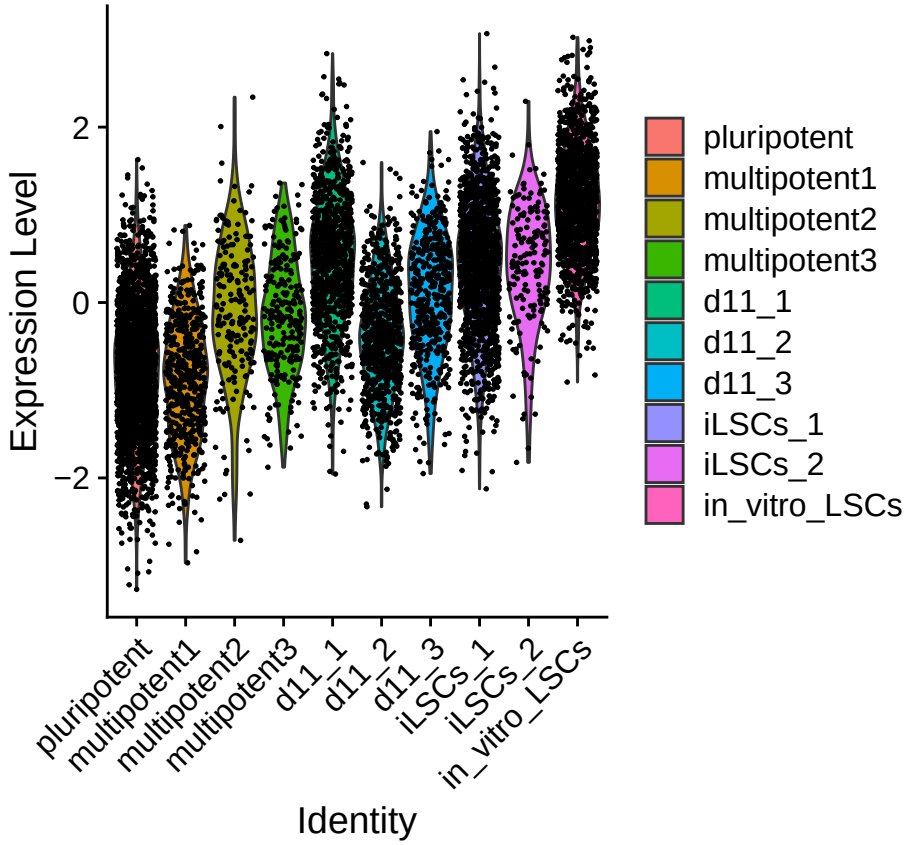

4−TEFF−VS−TCONV−DAY3−IN−CULTURE−DN
GSE24634−TEFF−VS−TCONV−DAY3−IN−CULTURE−DN
UMAP_2
UMAP_1
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
cluster
GSE24634−TEFF−VS−TCONV−DAY3−IN−CULTURE−DN (NE

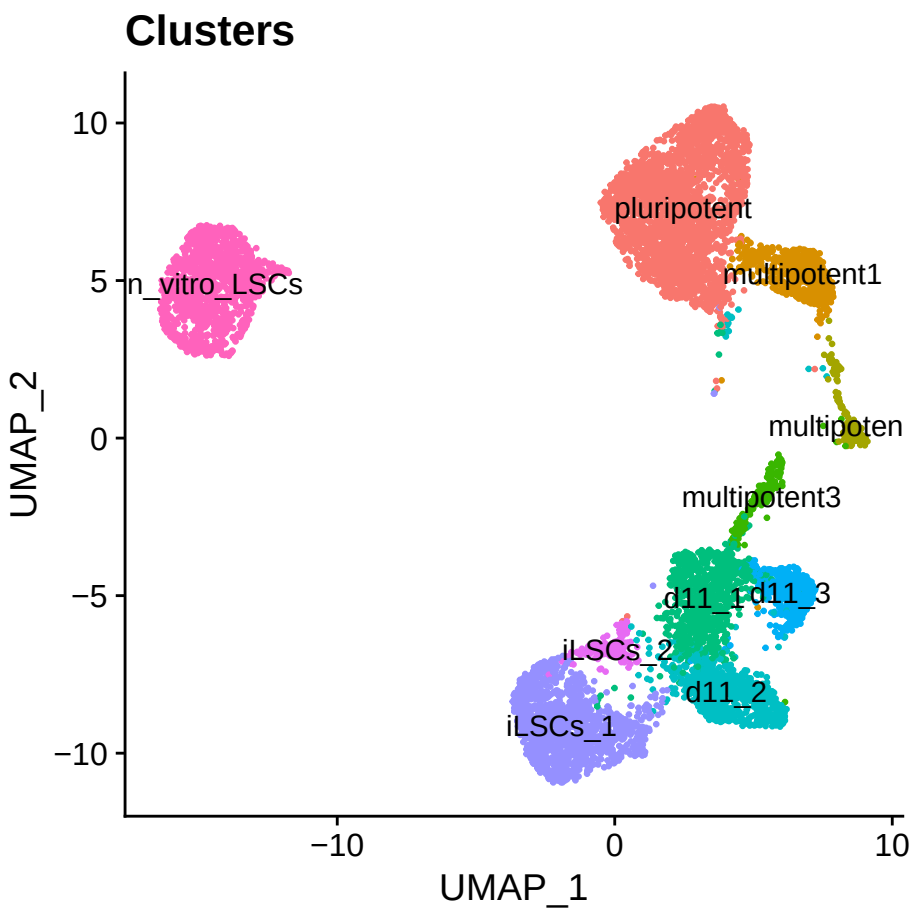

G−VS−TCONV−POST−DAY3−IL4−CONVERSION
GSE24634−TREG−VS−TCONV−POST−DAY3−IL4−CONVERSION
UMAP_2
UMAP_1
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
cluster
GSE24634−TREG−VS−TCONV−POST−DAY3−IL4−CONVERSION−

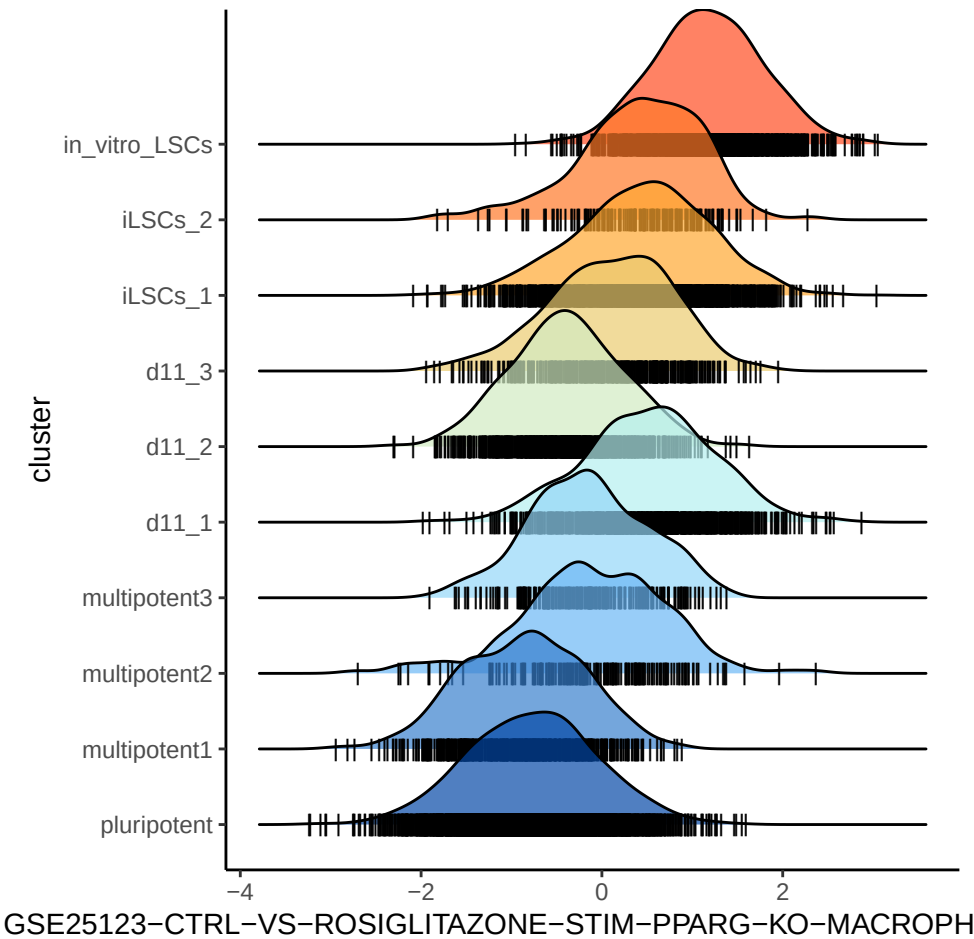

G−VS−TCONV−POST−DAY5−IL4−CONVERSION
GSE24634−TREG−VS−TCONV−POST−DAY5−IL4−CONVERSION
UMAP_2
UMAP_1
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
cluster
GSE24634−TREG−VS−TCONV−POST−DAY5−IL4−CONVERSION−

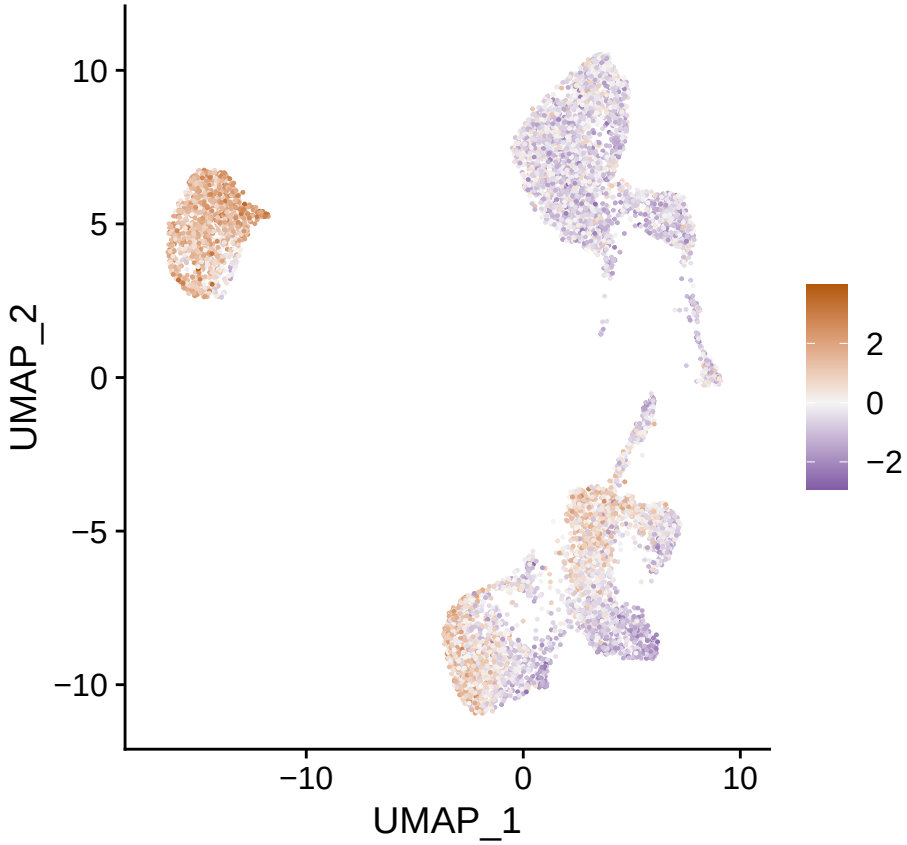

G−VS−TCONV−POST−DAY7−IL4−CONVERSION
GSE24634−TREG−VS−TCONV−POST−DAY7−IL4−CONVERSION
UMAP_2
UMAP_1
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
cluster
GSE24634−TREG−VS−TCONV−POST−DAY7−IL4−CONVERSION−

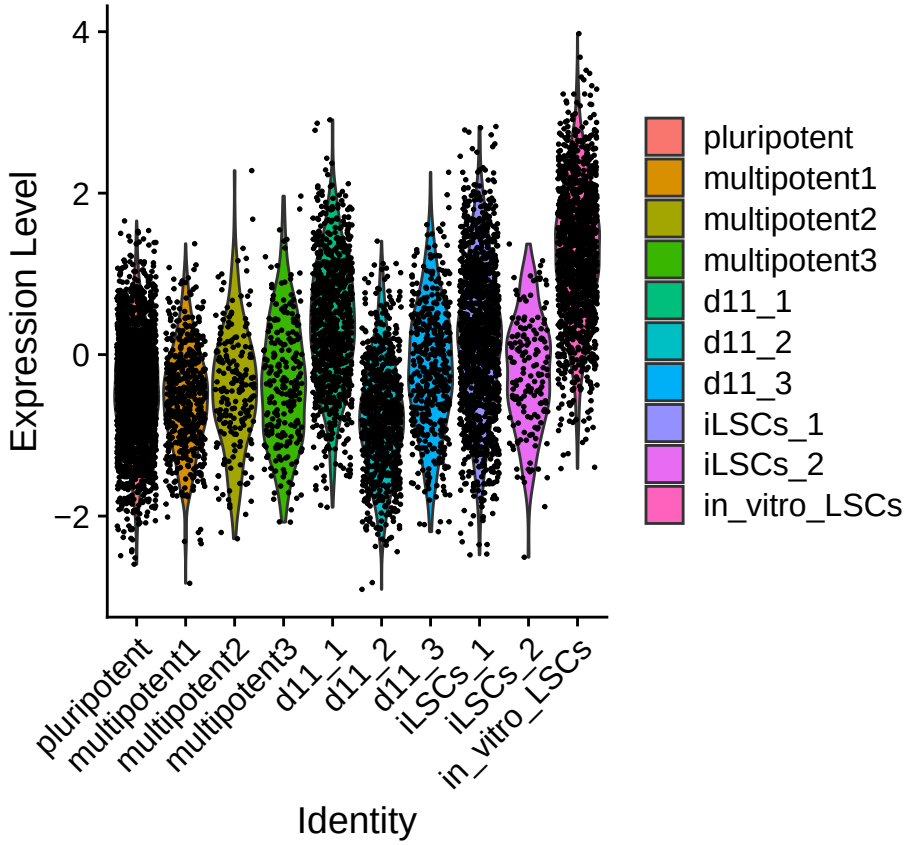

UMAP_2
UMAP_1
10
5
0
−5
−10
−10
0
10
3
2
1
0
−1
−2
−3

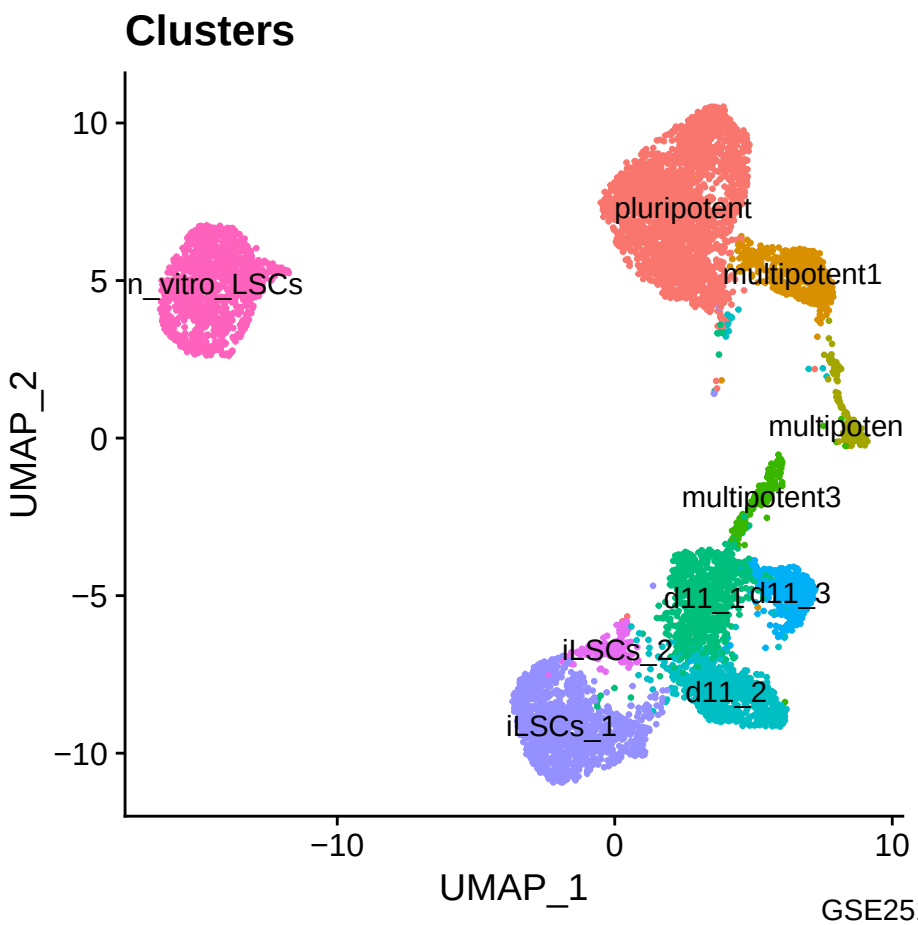

Expression Level
2
0
−2
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Identity

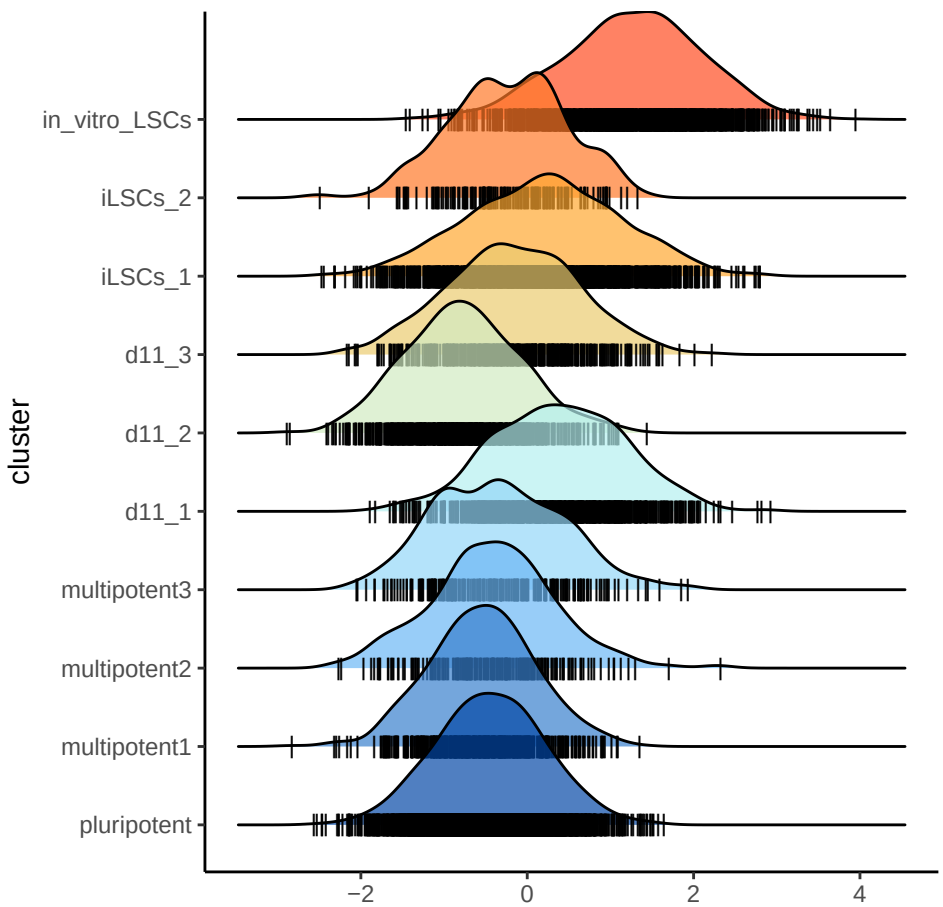

Clusters
UMAP_2
UMAP_1
10
5
0
−5
−10
−10
0
10
pluripotent
multipotent1
in_vitro_LSCs
multipoten
multipotent3
d11_1
d11_3
iLSCs_2
d11_2
iLSCs_1

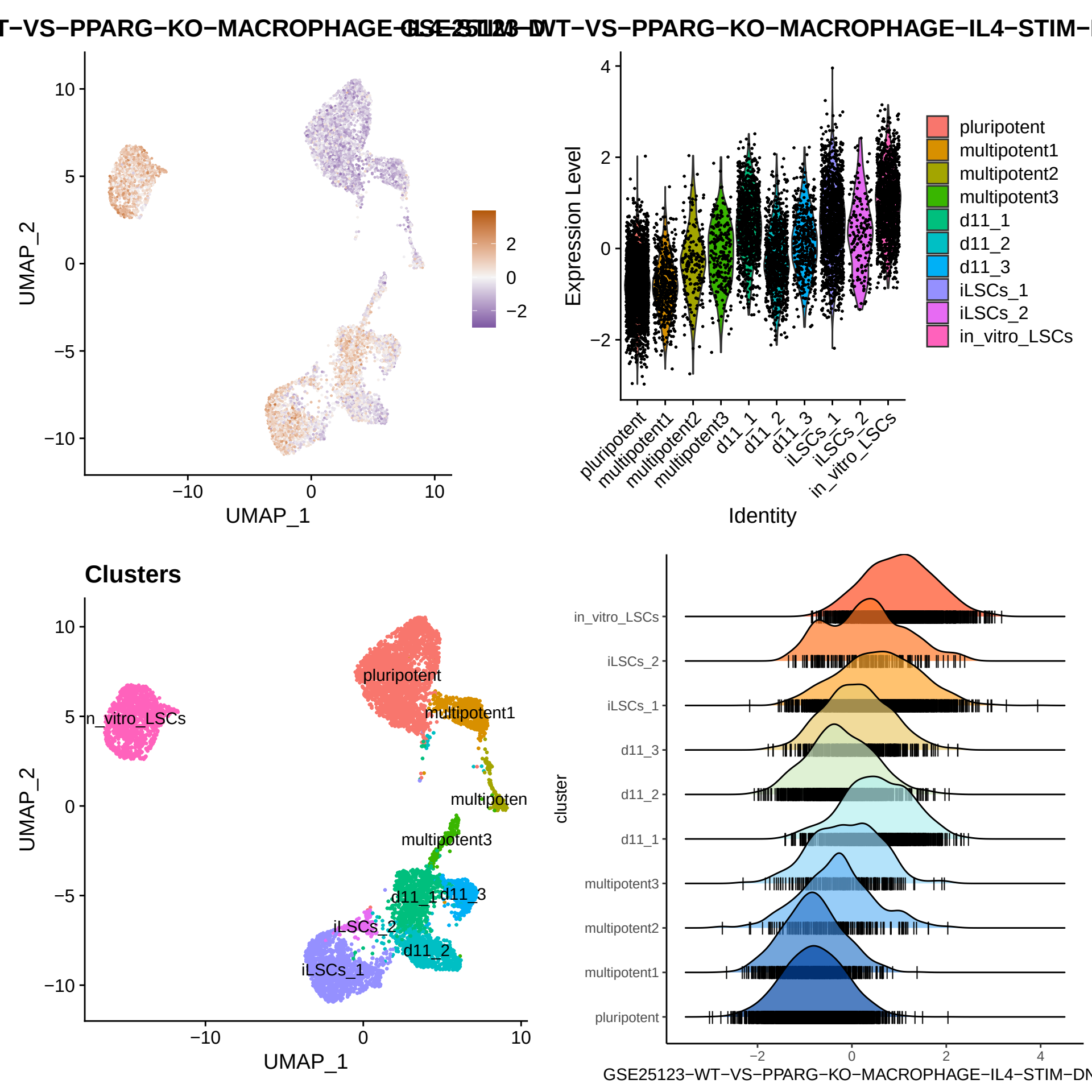

cluster
in_vitro_LSCs
iLSCs_2
iLSCs_1
d11_3
d11_2
d11_1
multipotent3
multipotent2
multipotent1
pluripotent
−4
−2
0
2
GSE25123−CTRL−VS−ROSIGLITAZONE−STIM−PPARG−KO−MACROPH

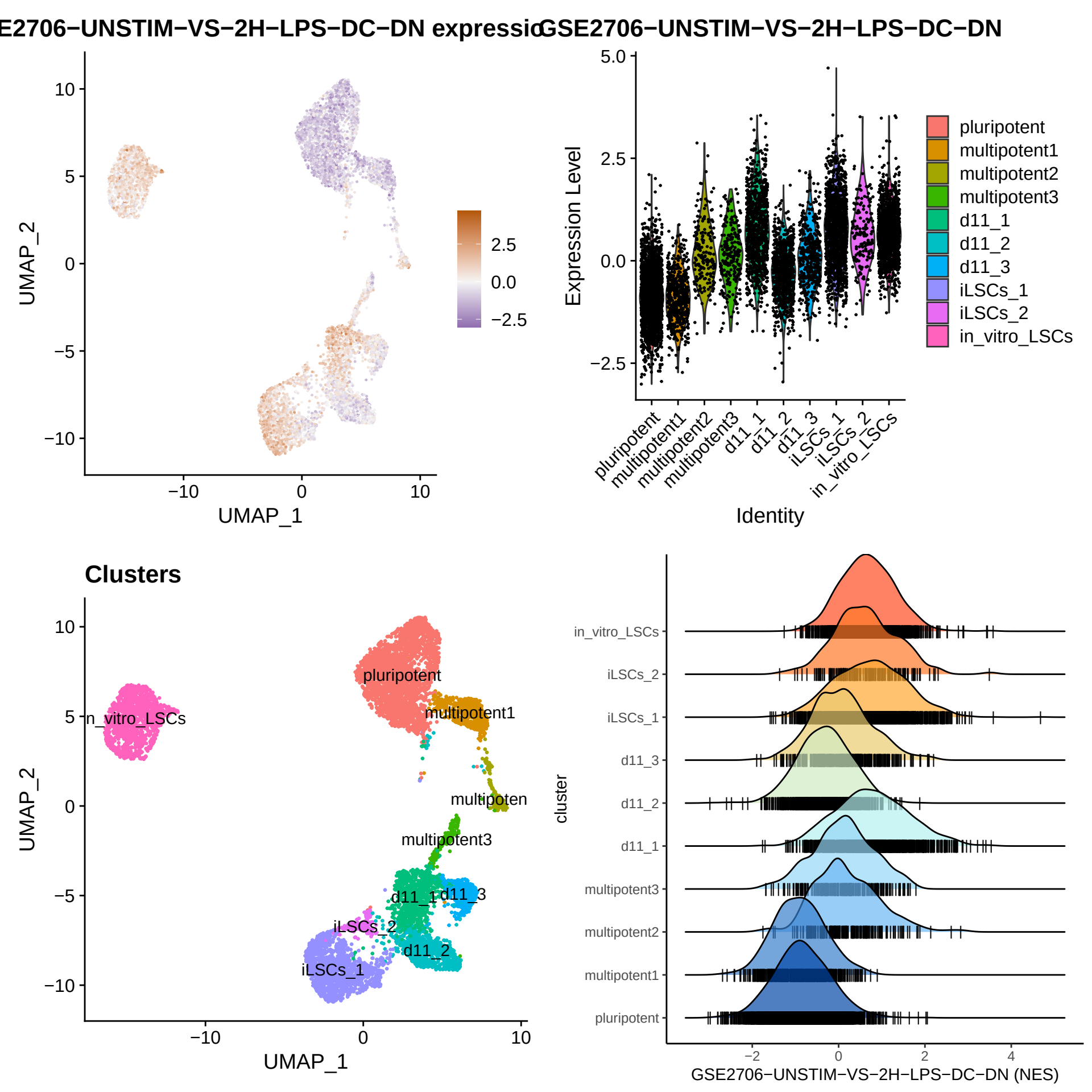

UMAP_2
UMAP_1
10
5
0
−5
−10
−10
0
10
2
0
−2

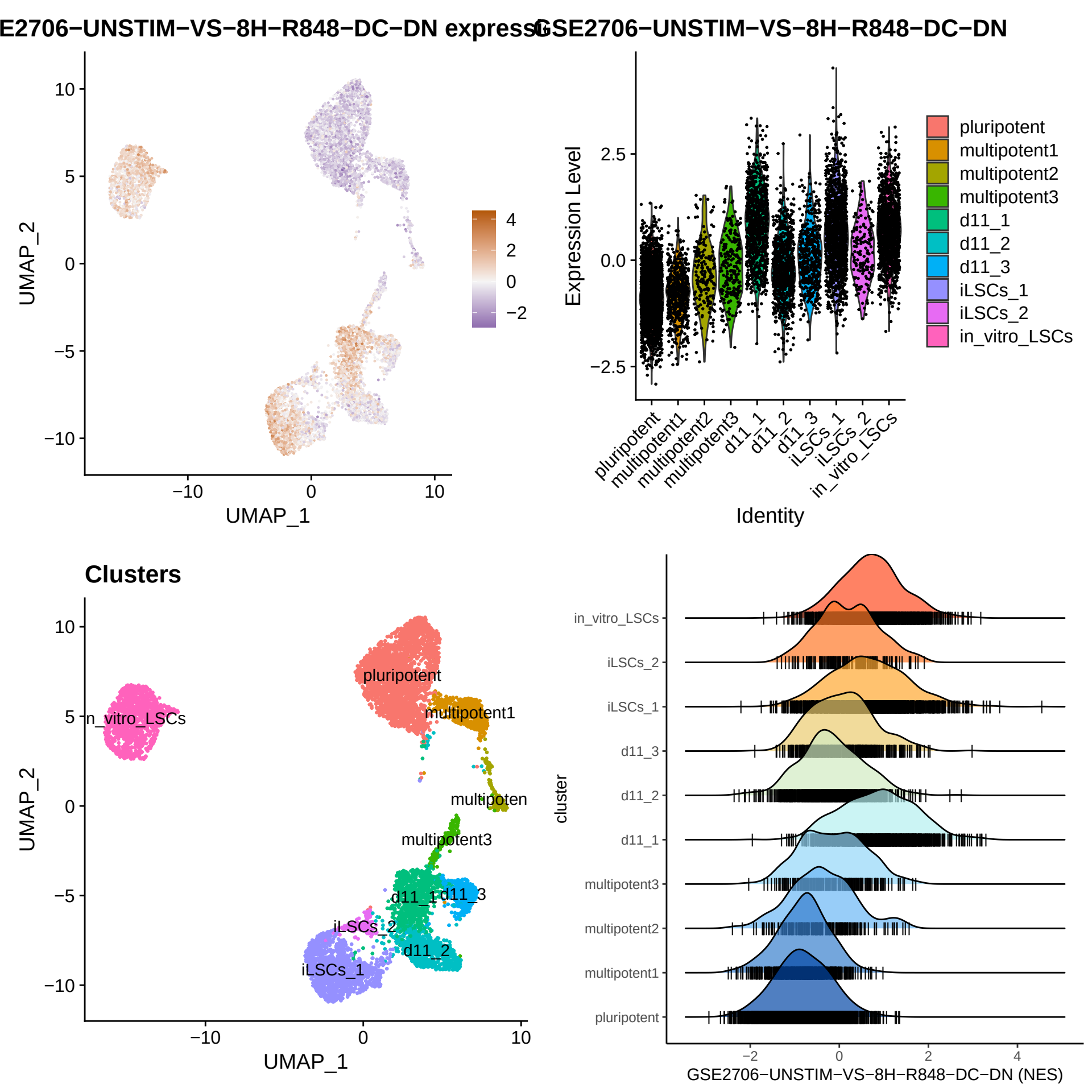

Expression Level
4
2
0
−2
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Identity

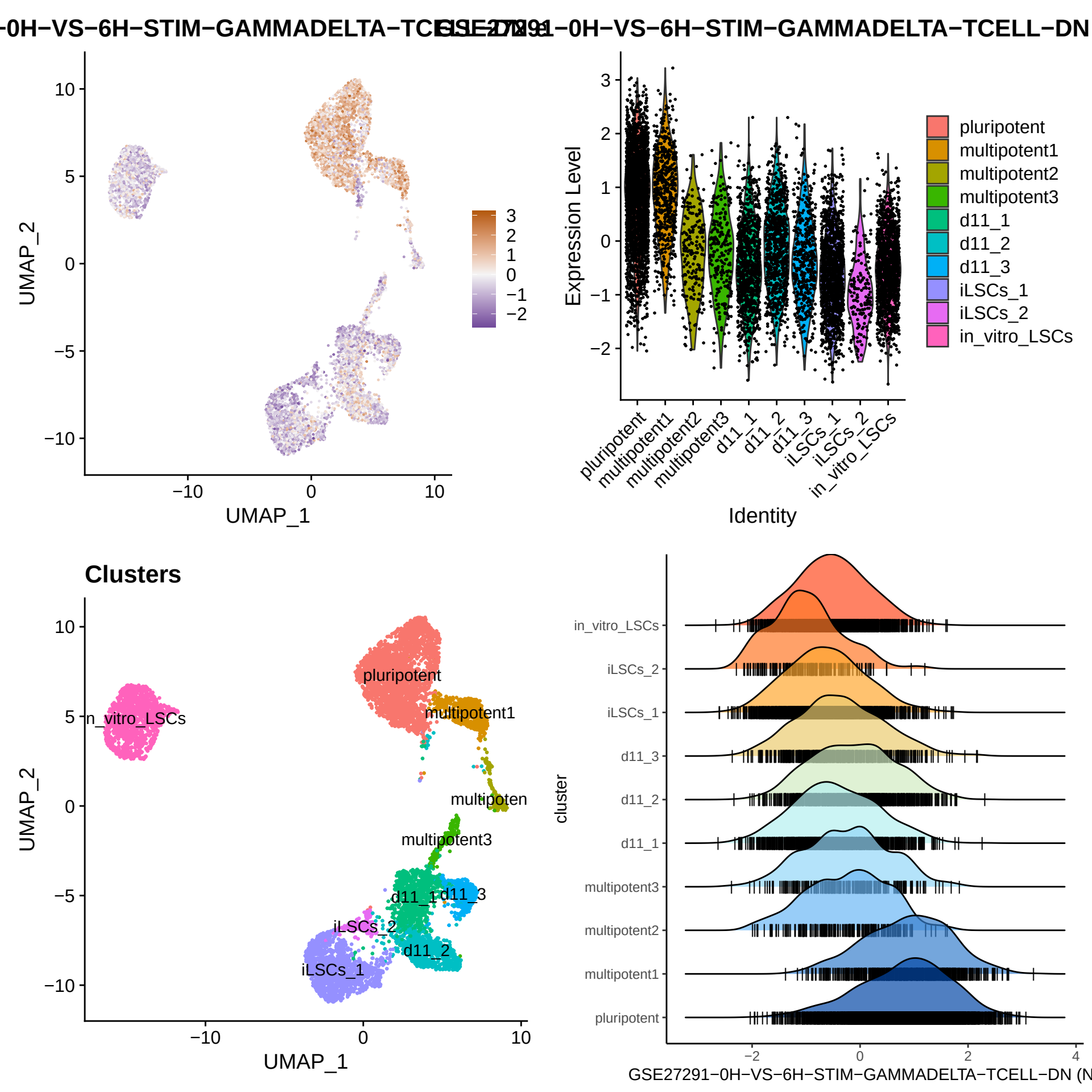

Clusters
UMAP_2
UMAP_1
10
5
0
−5
−10
−10
0
10
pluripotent
multipotent1
in_vitro_LSCs
multipoten
multipotent3
d11_1
d11_3
iLSCs_2
d11_2
iLSCs_1

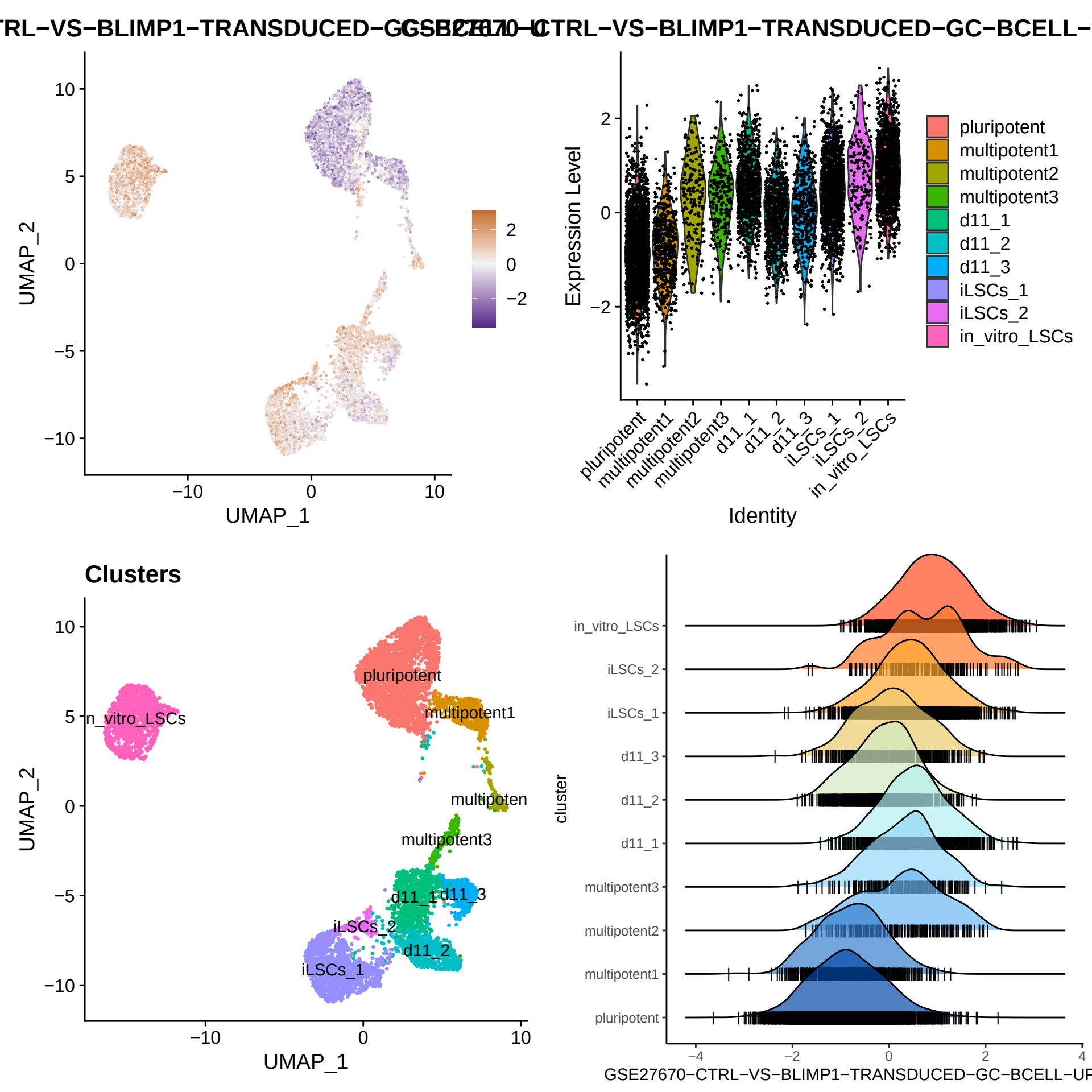

cluster
in_vitro_LSCs
iLSCs_2
iLSCs_1
d11_3
d11_2
d11_1
multipotent3
multipotent2
multipotent1
pluripotent
−2
0
2
4

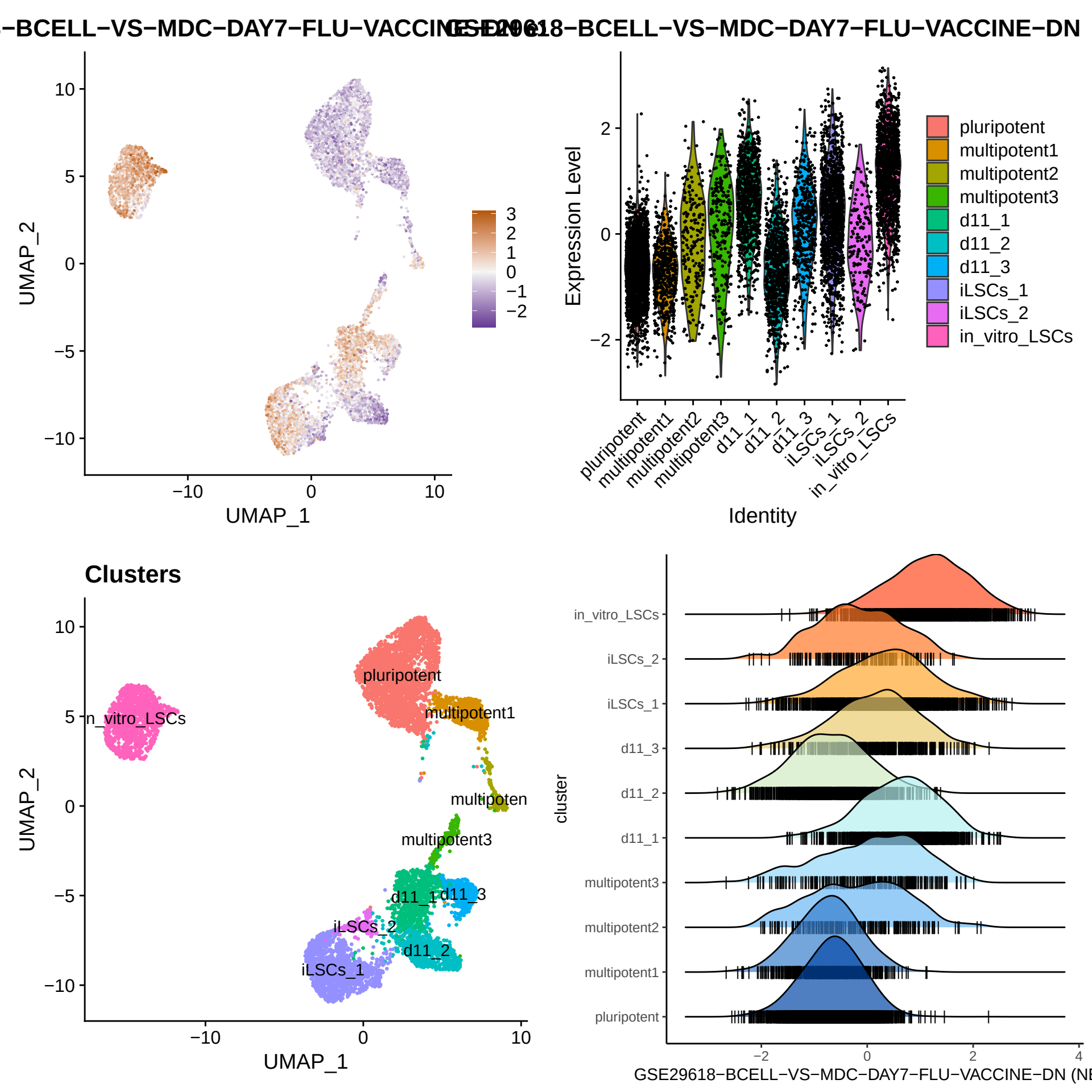

T−VS−PPARG−KO−MACROPHAGE−GSE25123−WT−VS−PPARG−KO−MACROPHAGE−IL4−STIM−
UMAP_2
UMAP_1
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
cluster
GSE25123−WT−VS−PPARG−KO−MACROPHAGE−IL4−STIM−DN

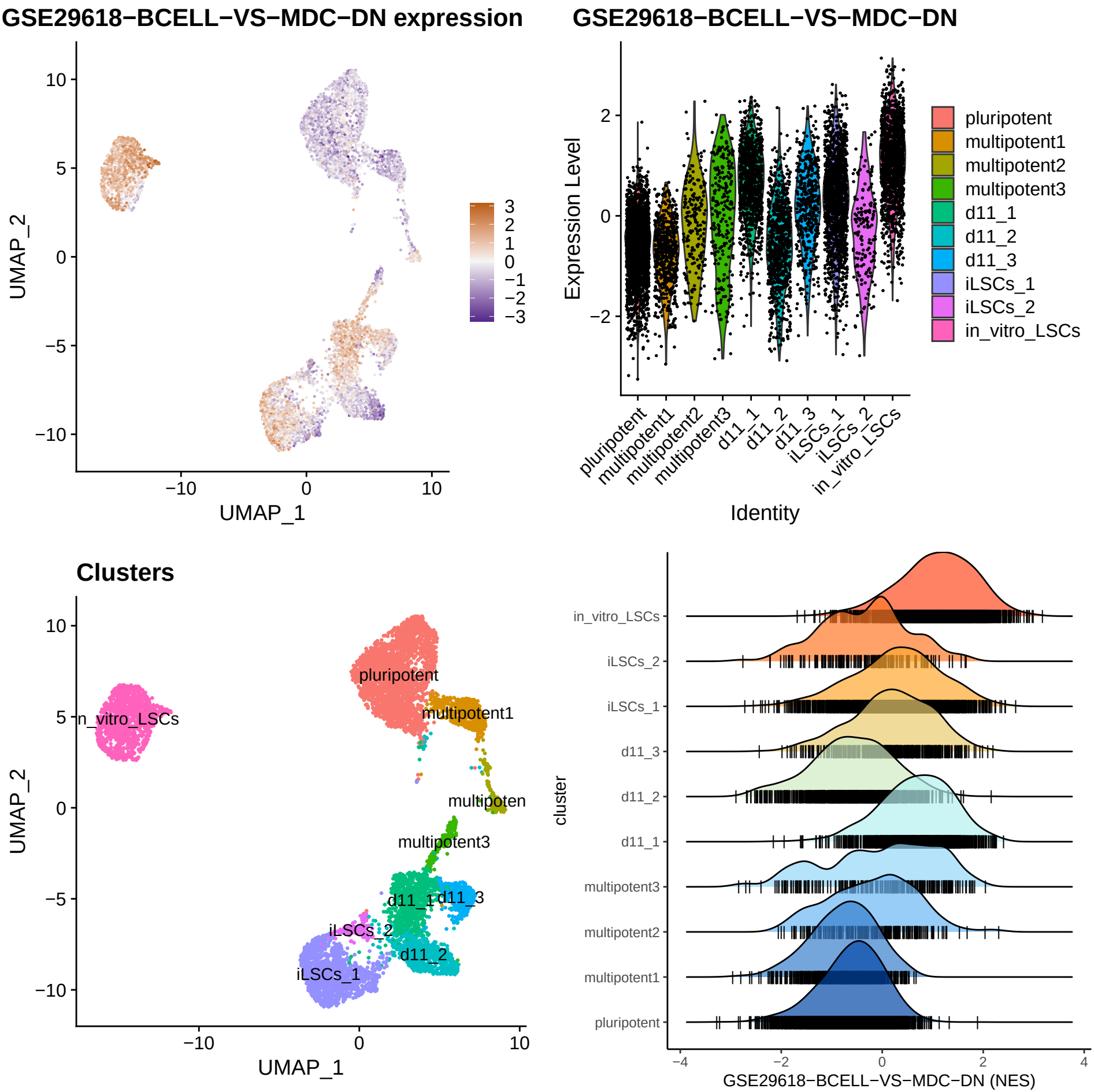

E2706−UNSTIM−VS−2H−LPS−DC−DN expressio
GSE2706−UNSTIM−VS−2H−LPS−DC−DN
UMAP_2
UMAP_1
2.5
0.0
−2.5
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
pluripotent
multipotent1
multipoten
multipotent3
d11_1
d11_3
iLSCs_2
d11_2
iLSCs_1
in_vitro_LSCs
cluster
GSE2706−UNSTIM−VS−2H−LPS−DC−DN (NES)

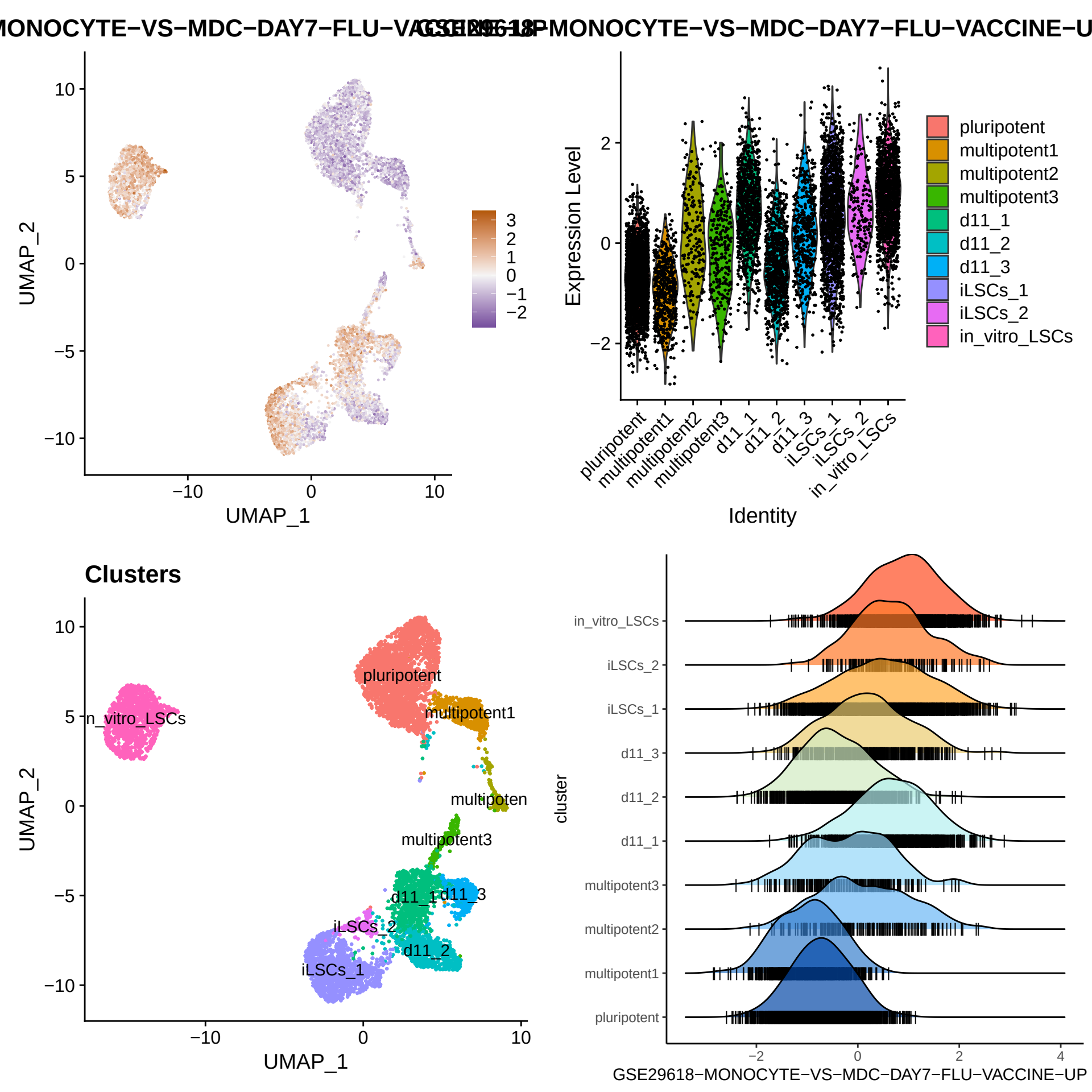

E2706−UNSTIM−VS−8H−R848−DC−DN expressi
GSE2706−UNSTIM−VS−8H−R848−DC−DN
UMAP_2
UMAP_1
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
cluster
GSE2706−UNSTIM−VS−8H−R848−DC−DN (NES)

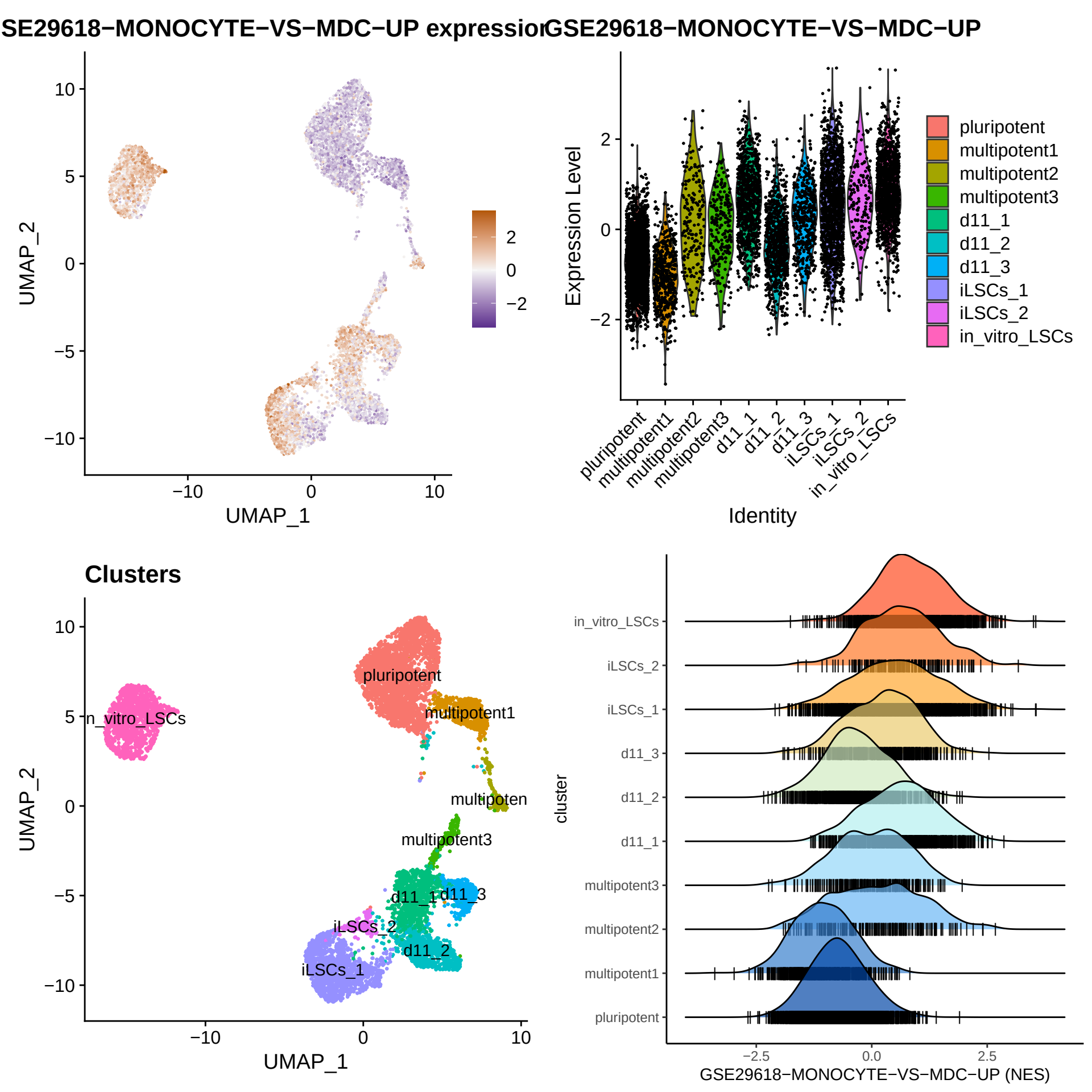

-0H-VS-6H-STIM-GAMMADELTA-TCELL-DN
GSE27291-0H-VS-6H-STIM-GAMMADELTA-TCELL-DN
UMAP_2
UMAP_1
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
cluster
GSE27291-0H-VS-6H-STIM-GAMMADELTA-TCELL-DN (N

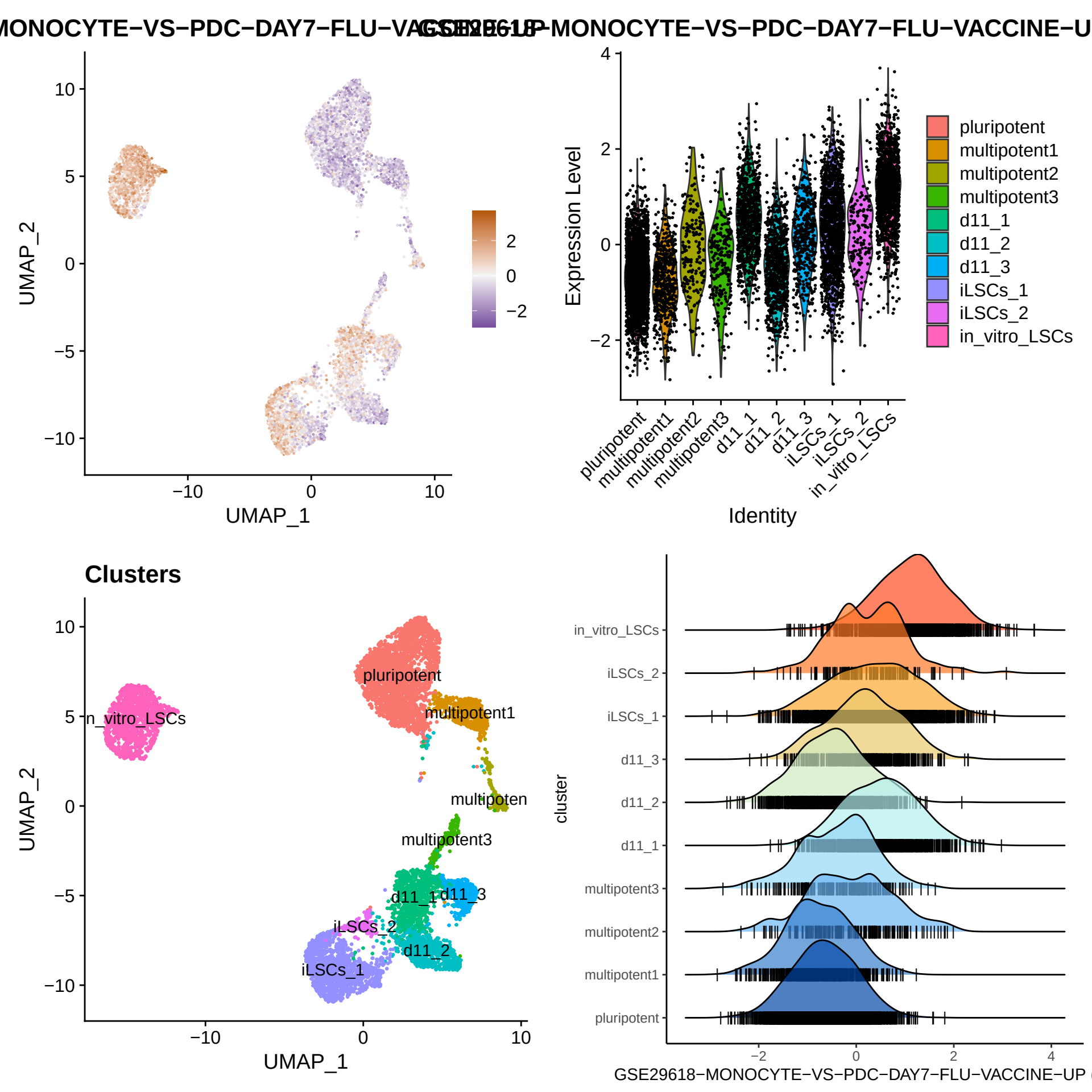

GSE27670−CTRL−VS−BLIMP1−TRANSDUCED−GC−BCELL−UP
UMAP_1
UMAP_2
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
cluster

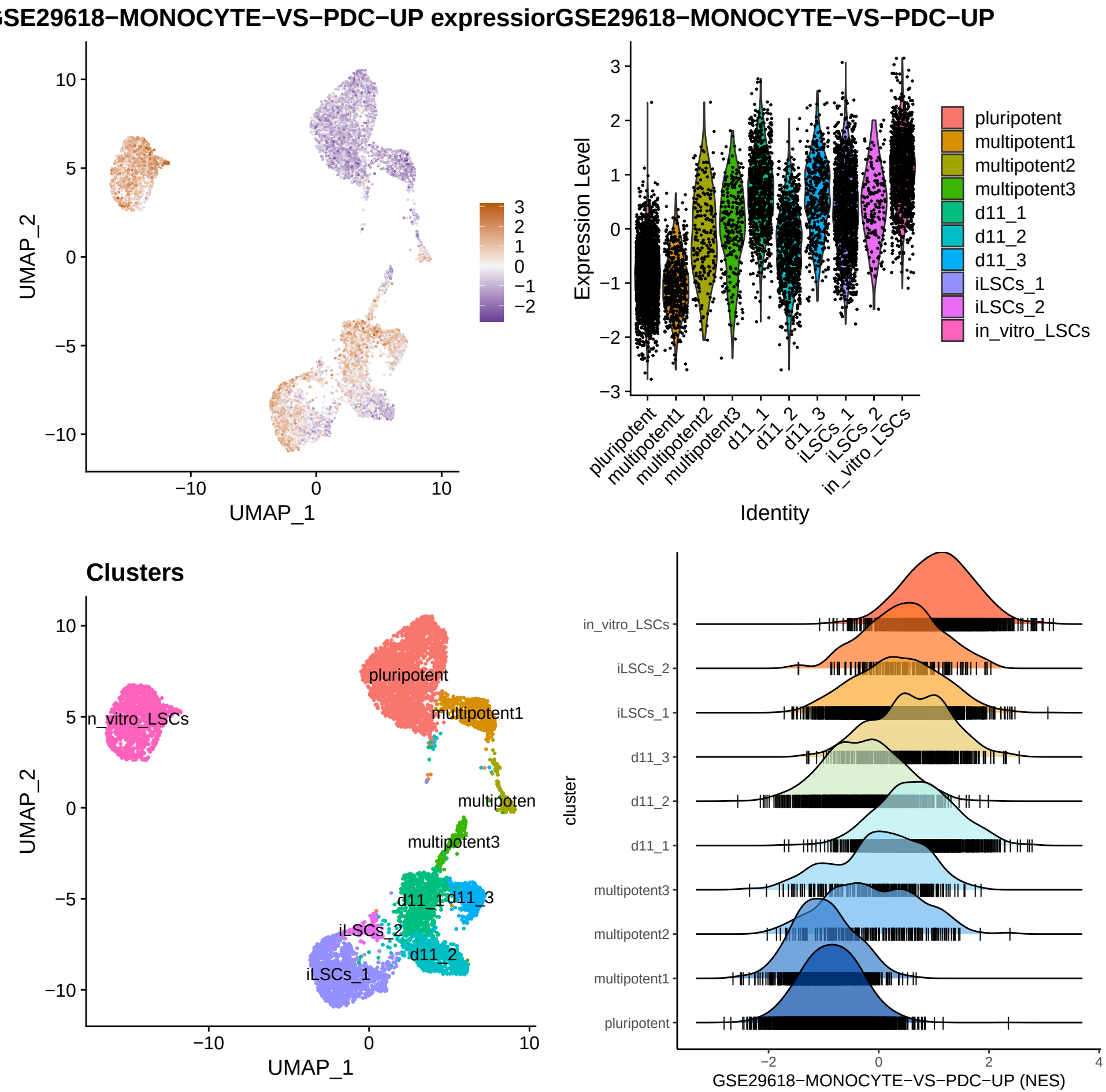

GSE29618−BCELL−VS−MDC−DAY7−FLU−VACCINE−DN
UMAP_2
UMAP_1
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
cluster
GSE29618−BCELL−VS−MDC−DAY7−FLU−VACCINE−DN (NE

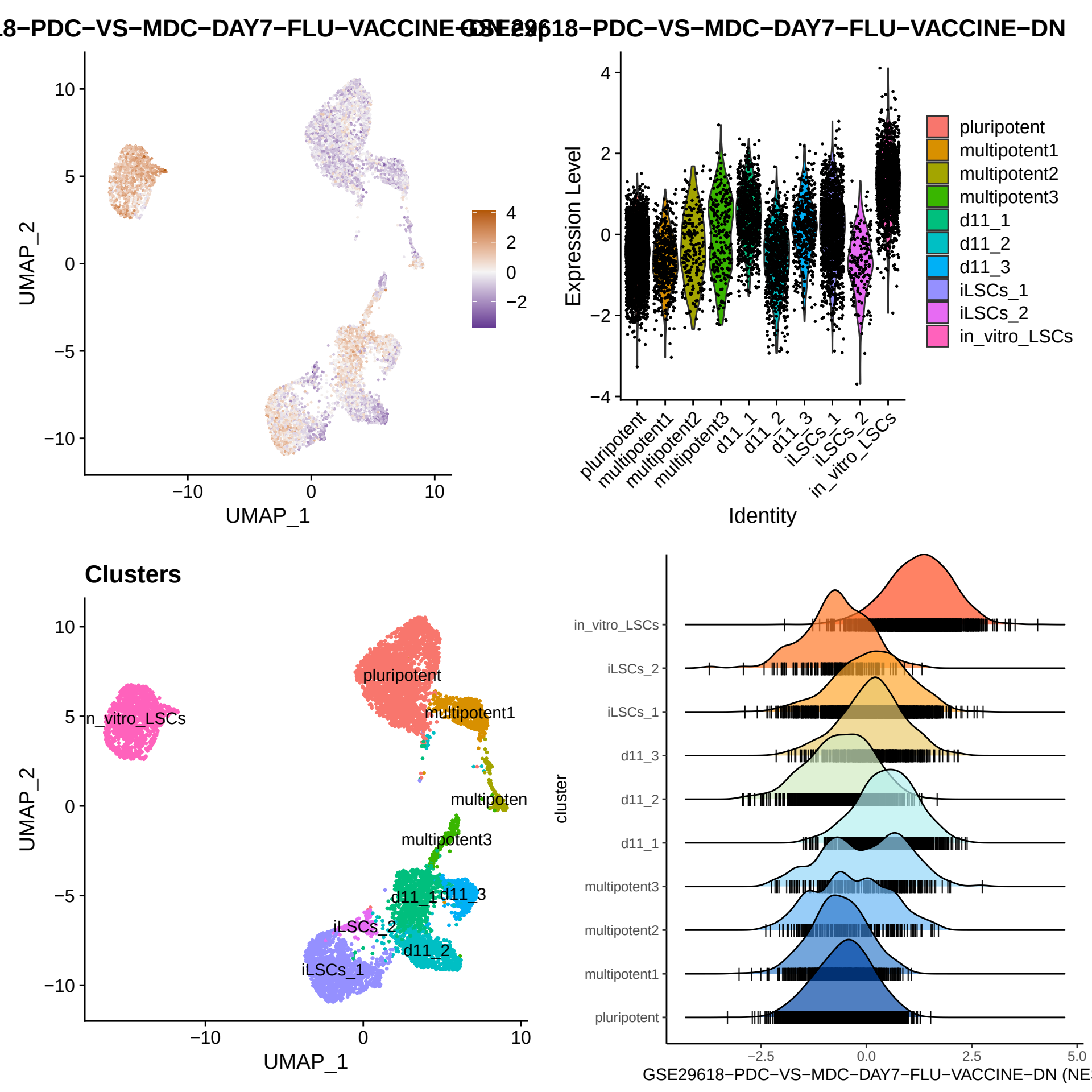

GSE29618−BCELL−VS−MDC−DN expression
UMAP_2
UMAP_1
10
5
0
−5
−10
3
2
1
0
−1
−2
−3
GSE29618−BCELL−VS−MDC−DN
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
pluripotent
multipotent1
multipoten
multipotent3
d11_1
d11_3
iLSCs_2
d11_2
iLSCs_1
in_vitro_LSCs
cluster
GSE29618−BCELL−VS−MDC−DN (NES)
−4
−2
0
2
4

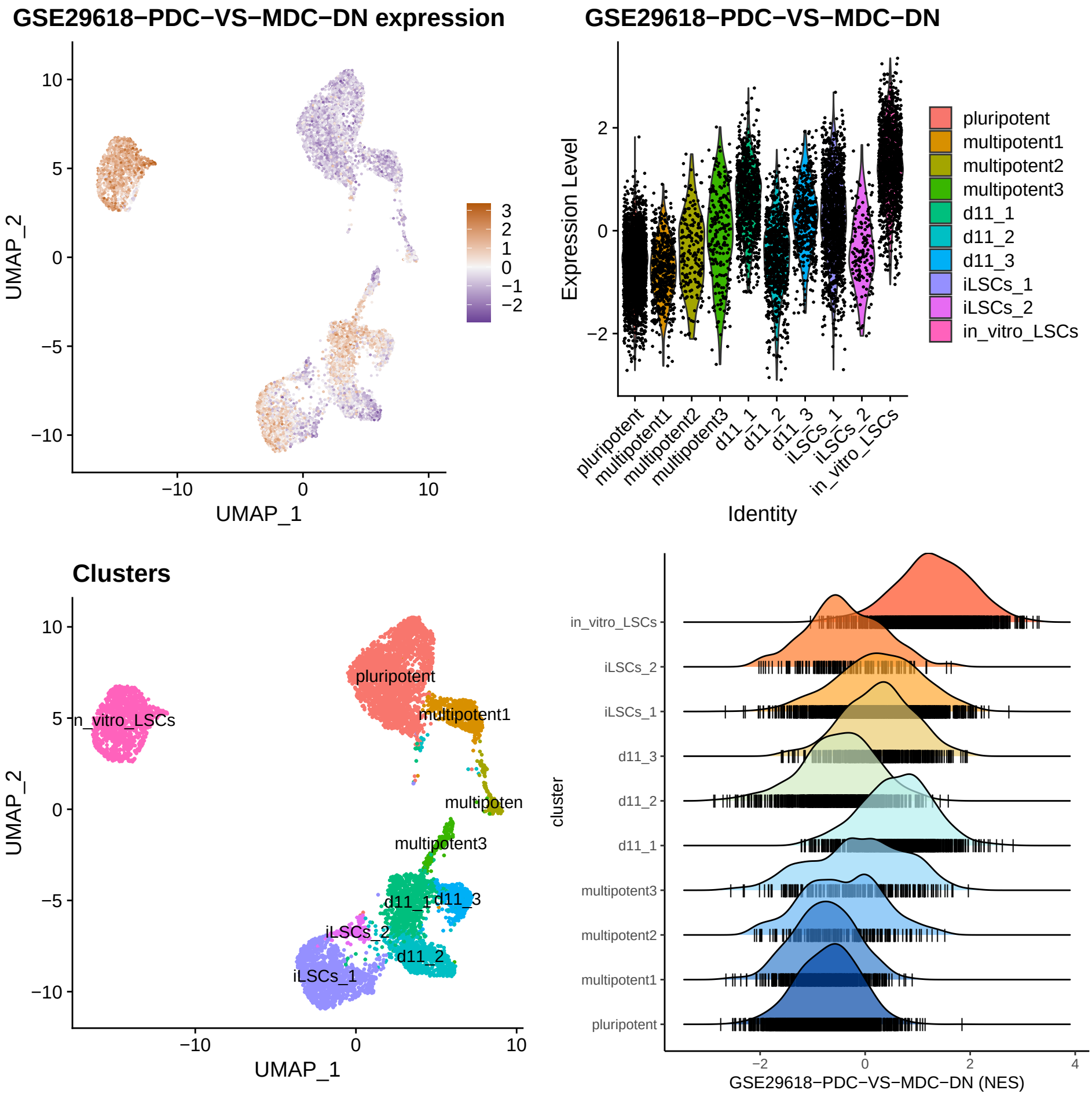

MONOCYTE−VS−MDC−DAY7−FLU−VACCINE−UP
GSE29618
UMAP_2
UMAP_1
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
cluster
GSE29618−MONOCYTE−VS−MDC−DAY7−FLU−VACCINE−UP

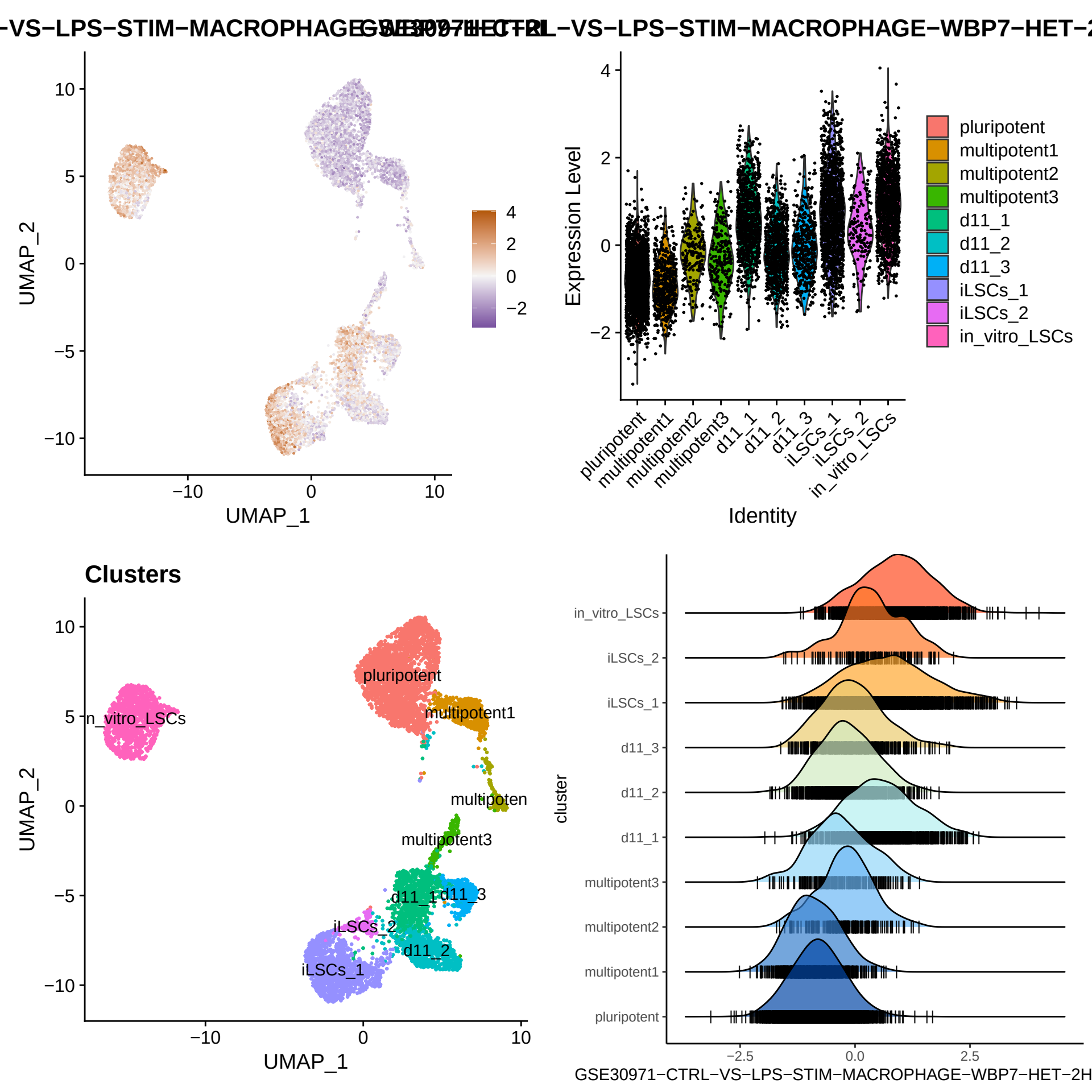

SE29618−MONOCYTE−VS−MDC−UP expressior
GSE29618−MONOCYTE−VS−MDC−UP
UMAP_2
UMAP_1
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
pluripotent
multipotent1
multipoten
multipotent3
d11_1
d11_3
iLSCs_2
d11_2
iLSCs_1
in_vitro_LSCs
cluster
GSE29618−MONOCYTE−VS−MDC−UP (NES)

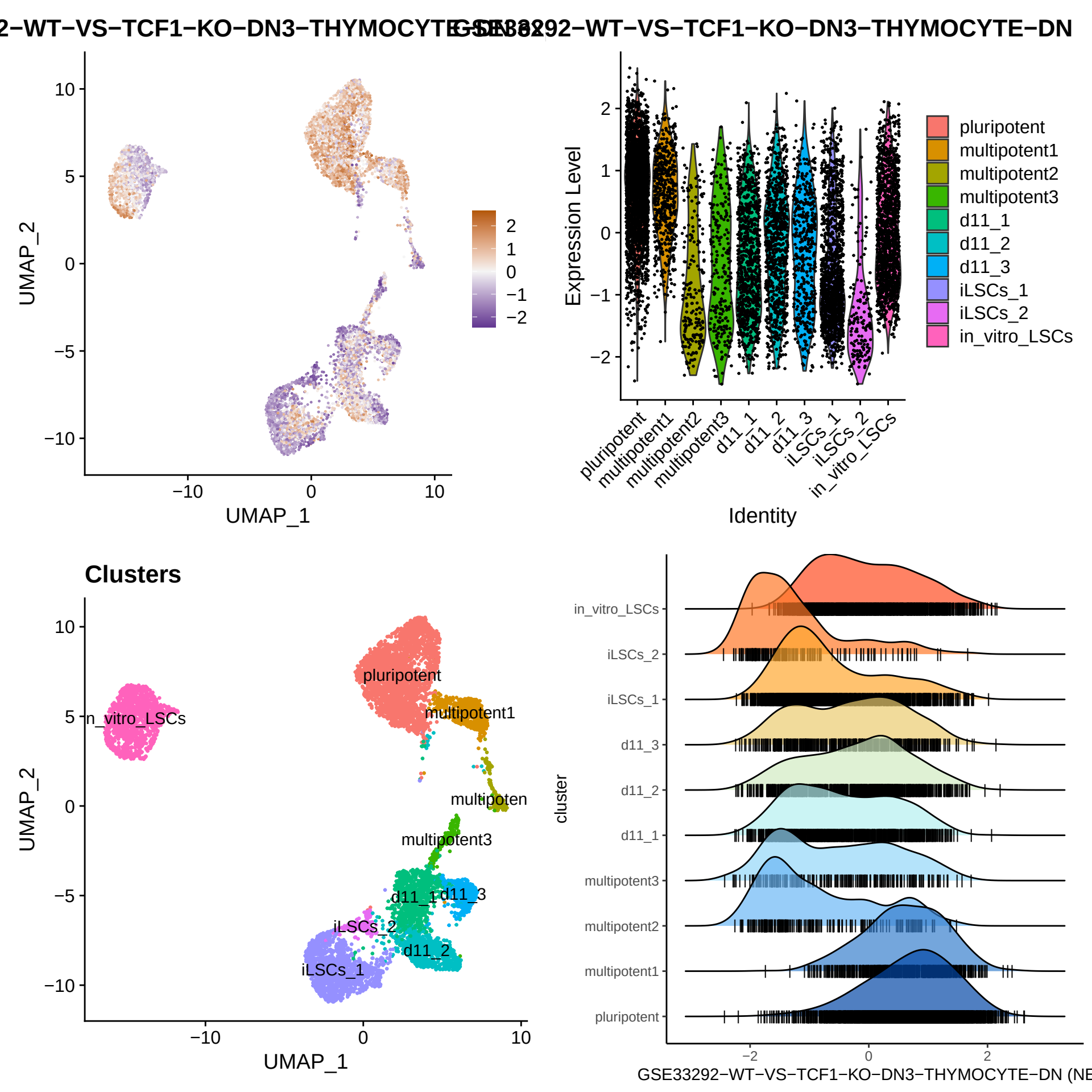

MONOCYTE−VS−PDC−DAY7−FLU−VACCINE−UP
GSE29618−MONOCYTE−VS−PDC−DAY7−FLU−VACCINE−U
UMAP_2
UMAP_1
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
cluster
GSE29618−MONOCYTE−VS−PDC−DAY7−FLU−VACCINE−UP

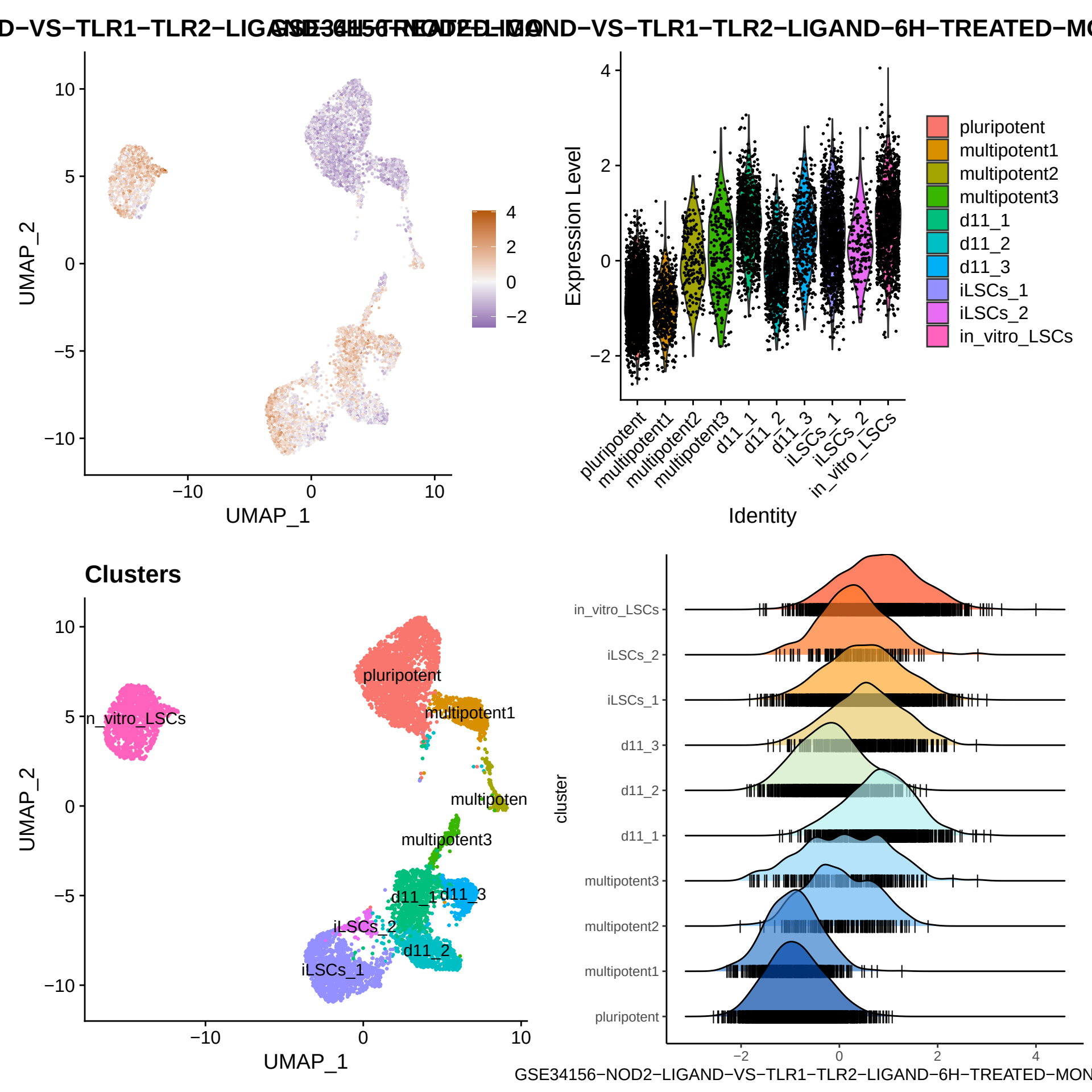

GSE29618−MONOCYTE−VS−PDC−UP expressiorGSE29618−MONOCYTE−VS−PDC−UP
UMAP_2
UMAP_1
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
cluster
GSE29618−MONOCYTE−VS−PDC−UP (NES)

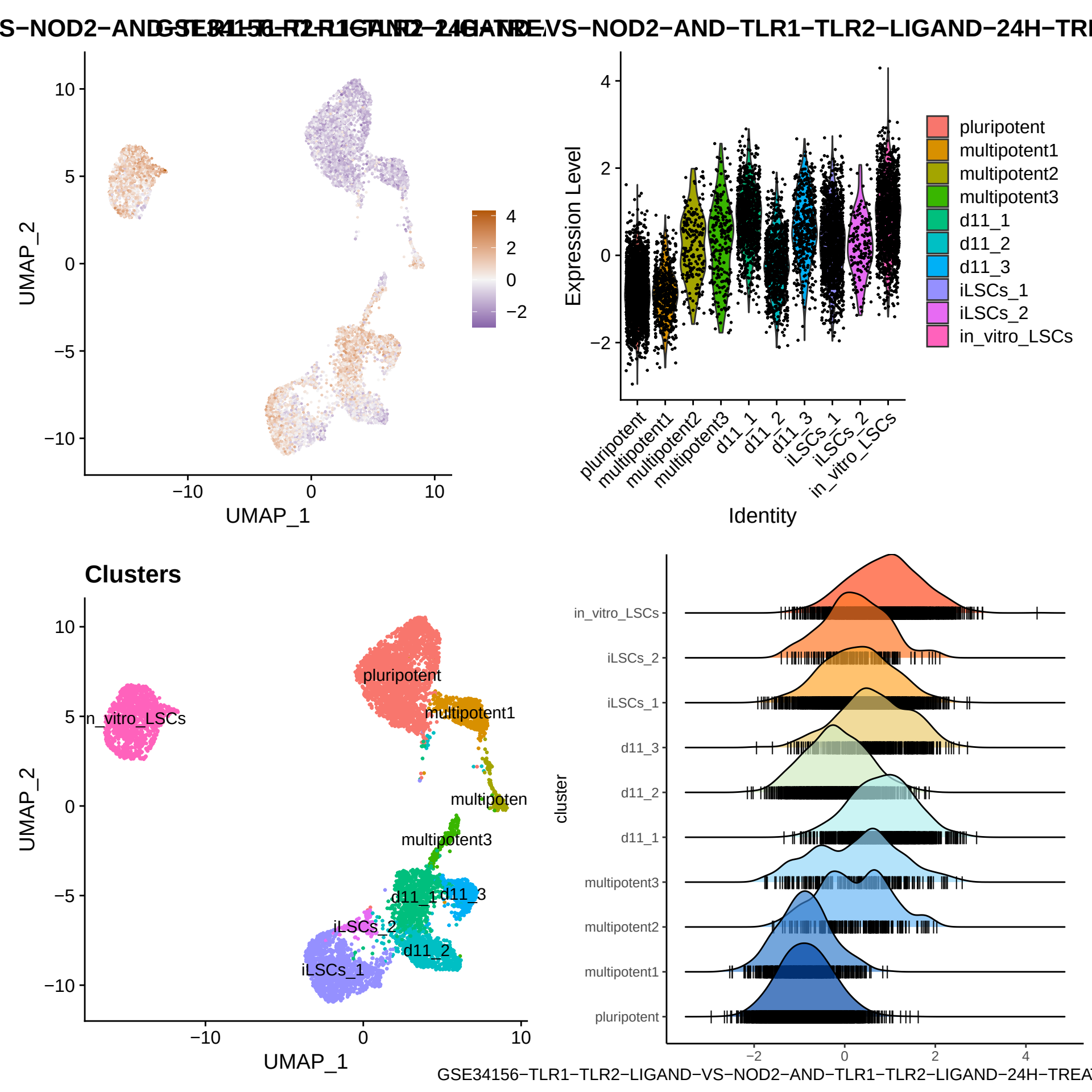

GSE29618−PDC−VS−MDC−DAY7−FLU−VACCINE−DN
UMAP_2
UMAP_1
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
cluster
GSE29618−PDC−VS−MDC−DAY7−FLU−VACCINE−DN (NE

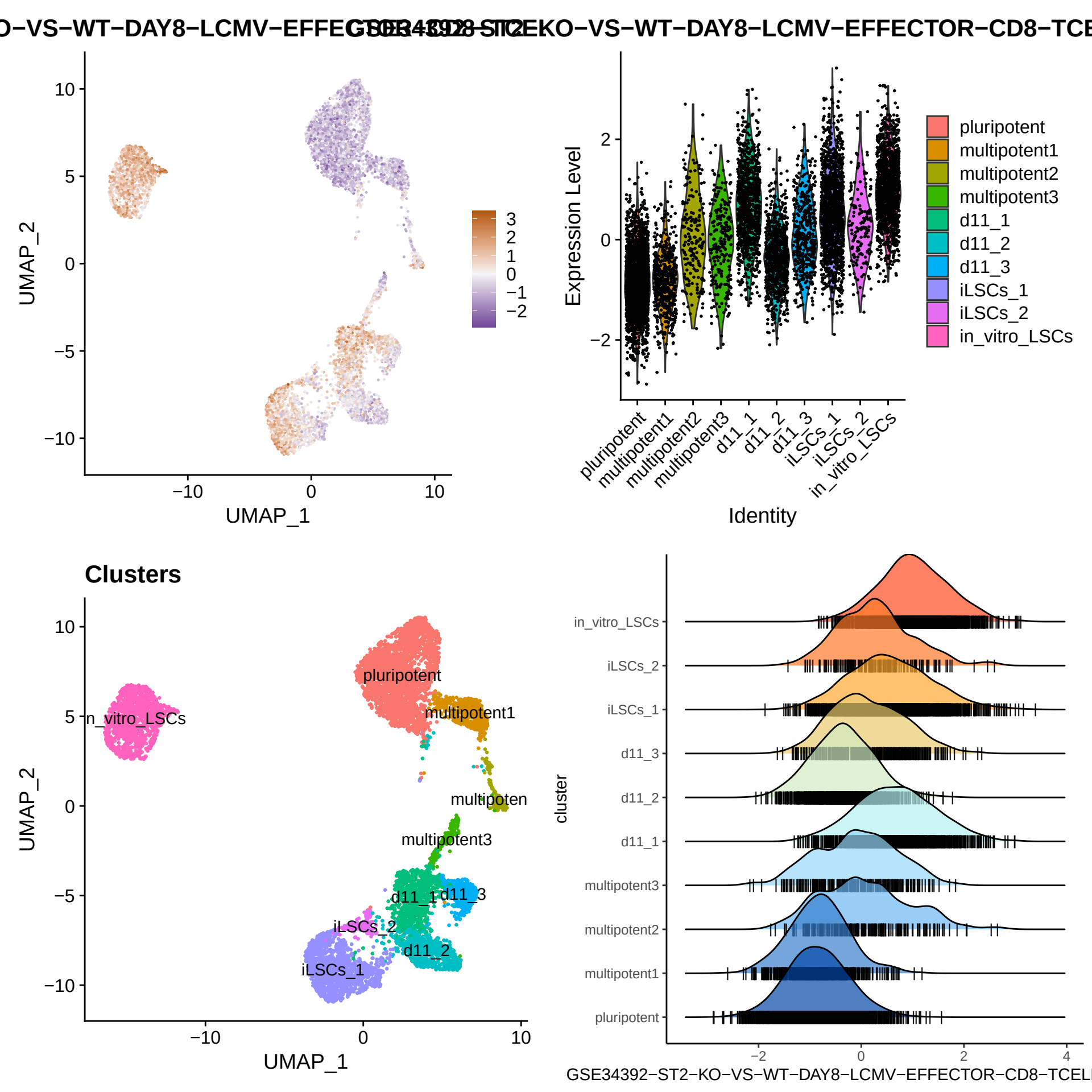

GSE29618−PDC−VS−MDC−DN expression
UMAP_2
UMAP_1
10
5
0
−5
−10
3
2
1
0
−1
−2
GSE29618−PDC−VS−MDC−DN
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
pluripotent
multipotent1
multipoten
multipotent3
d11_1
d11_3
iLSCs_2
d11_2
iLSCs_1
in_vitro_LSCs
cluster
GSE29618−PDC−VS−MDC−DN (NES)
−2
0
2
4

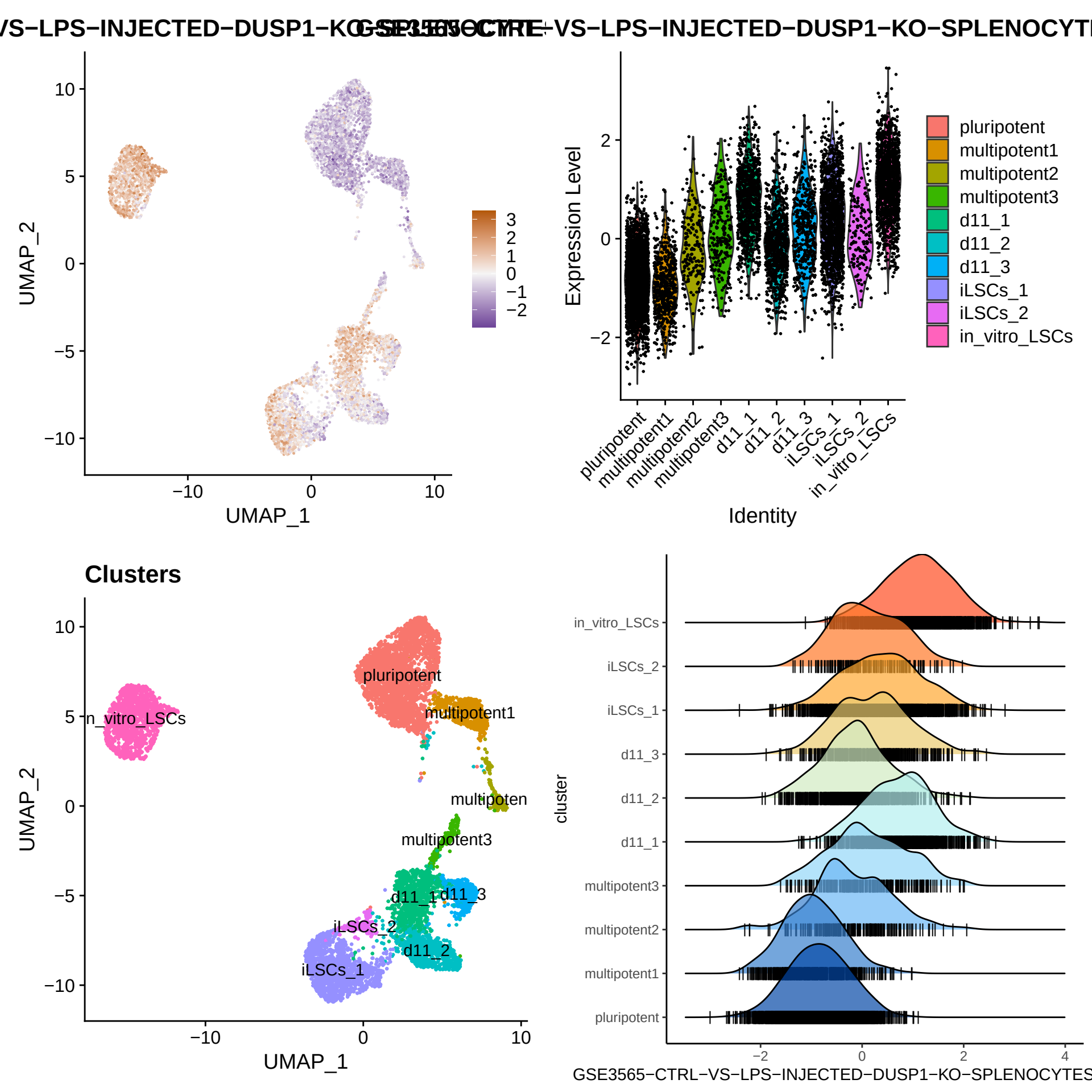

GSE30971-CTRL-VS-LPS-STIM-MACROPHAGE-WBP7-HET-2H
UMAP_2
UMAP_1
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
cluster

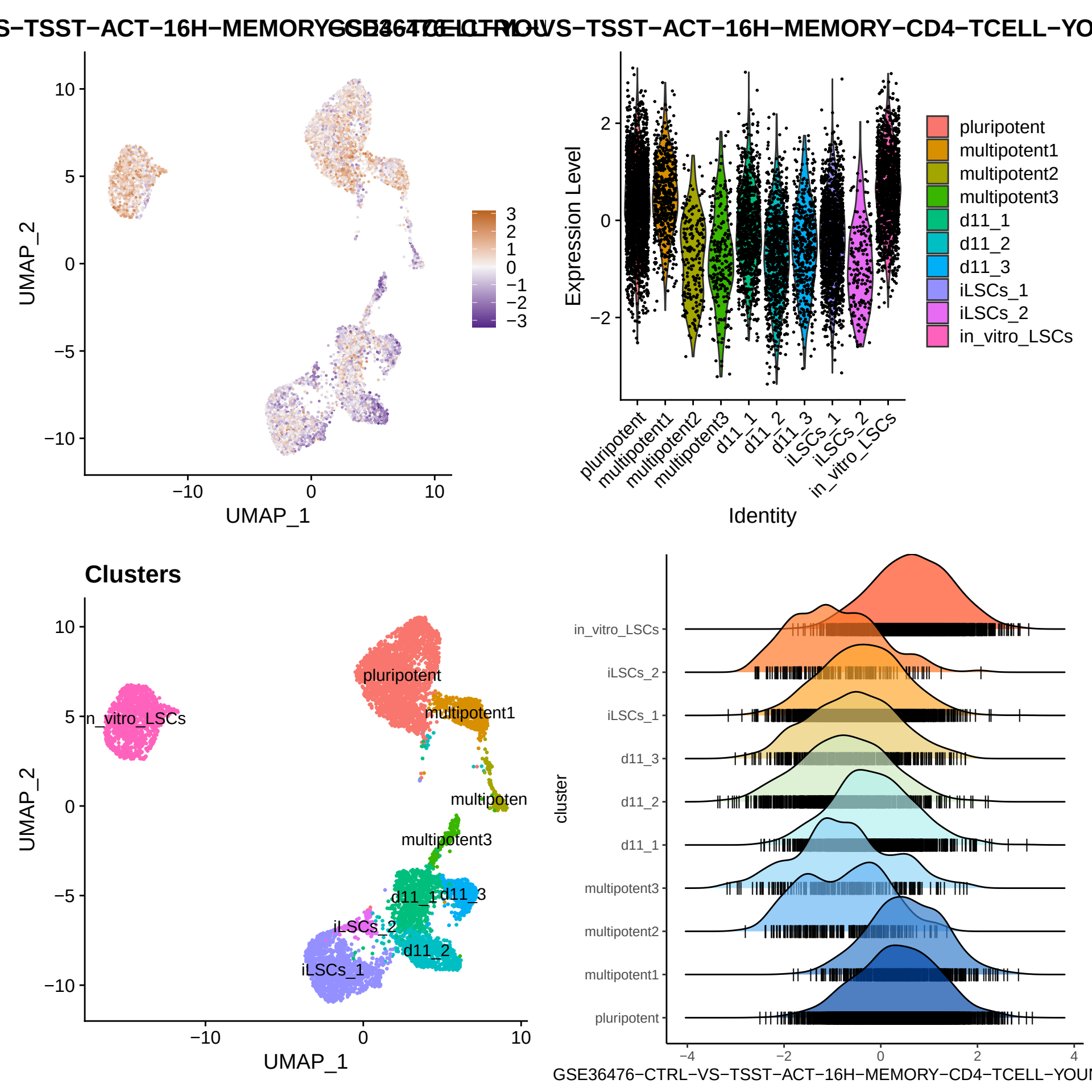

2−WT−VS−TCF1−KO−DN3−THYMOCYTE−DN
GSE33292−WT−VS−TCF1−KO−DN3−THYMOCYTE−DN
UMAP_2
UMAP_1
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
cluster
GSE33292−WT−VS−TCF1−KO−DN3−THYMOCYTE−DN (NE

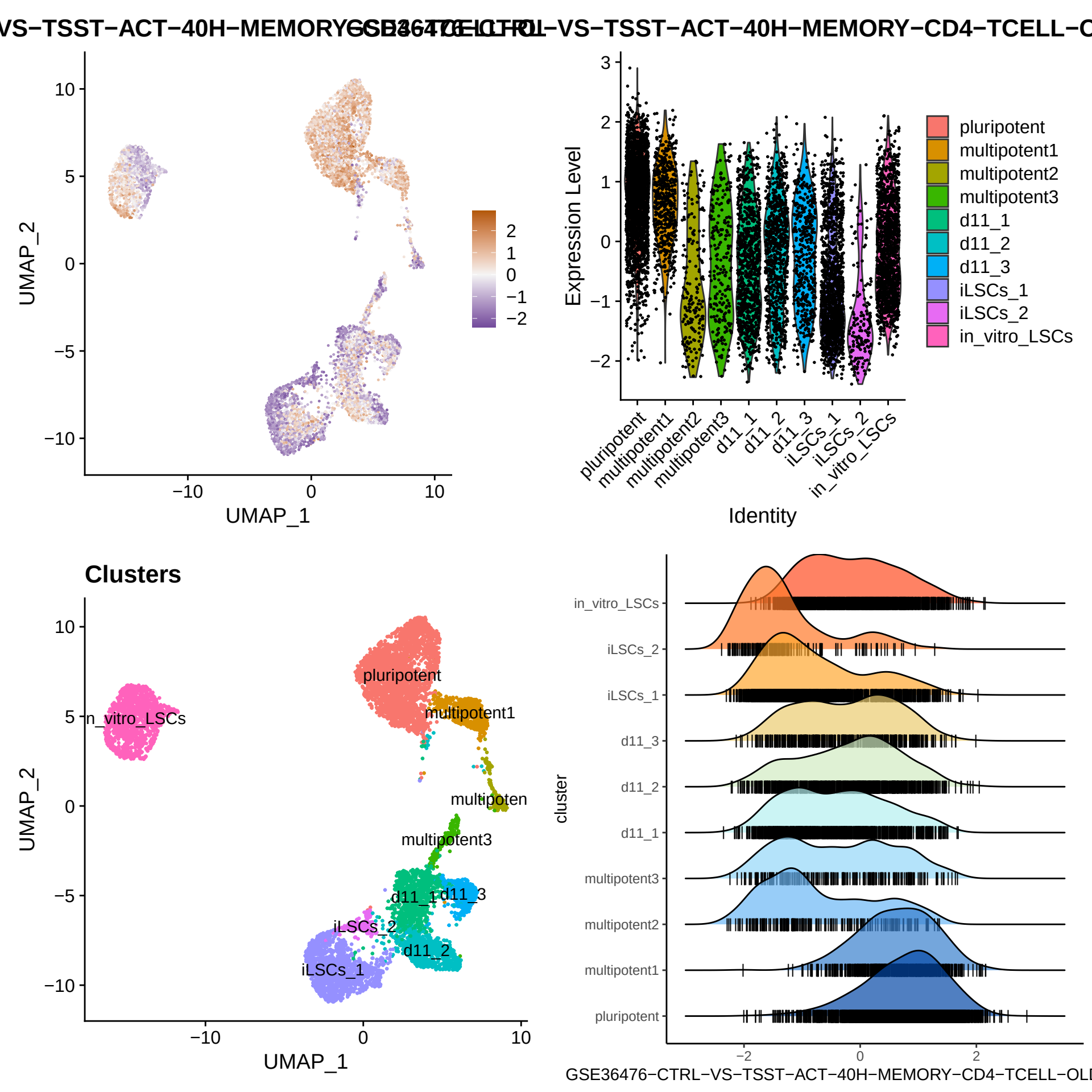

D−VS−TLR1−TLR2−LIGAND−VS−TLR1−TLR2−LIGAND−6H−TREATED−MO
UMAP_2
UMAP_1
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
cluster
GSE34156−NOD2−LIGAND−VS−TLR1−TLR2−LIGAND−6H−TREATED−MON

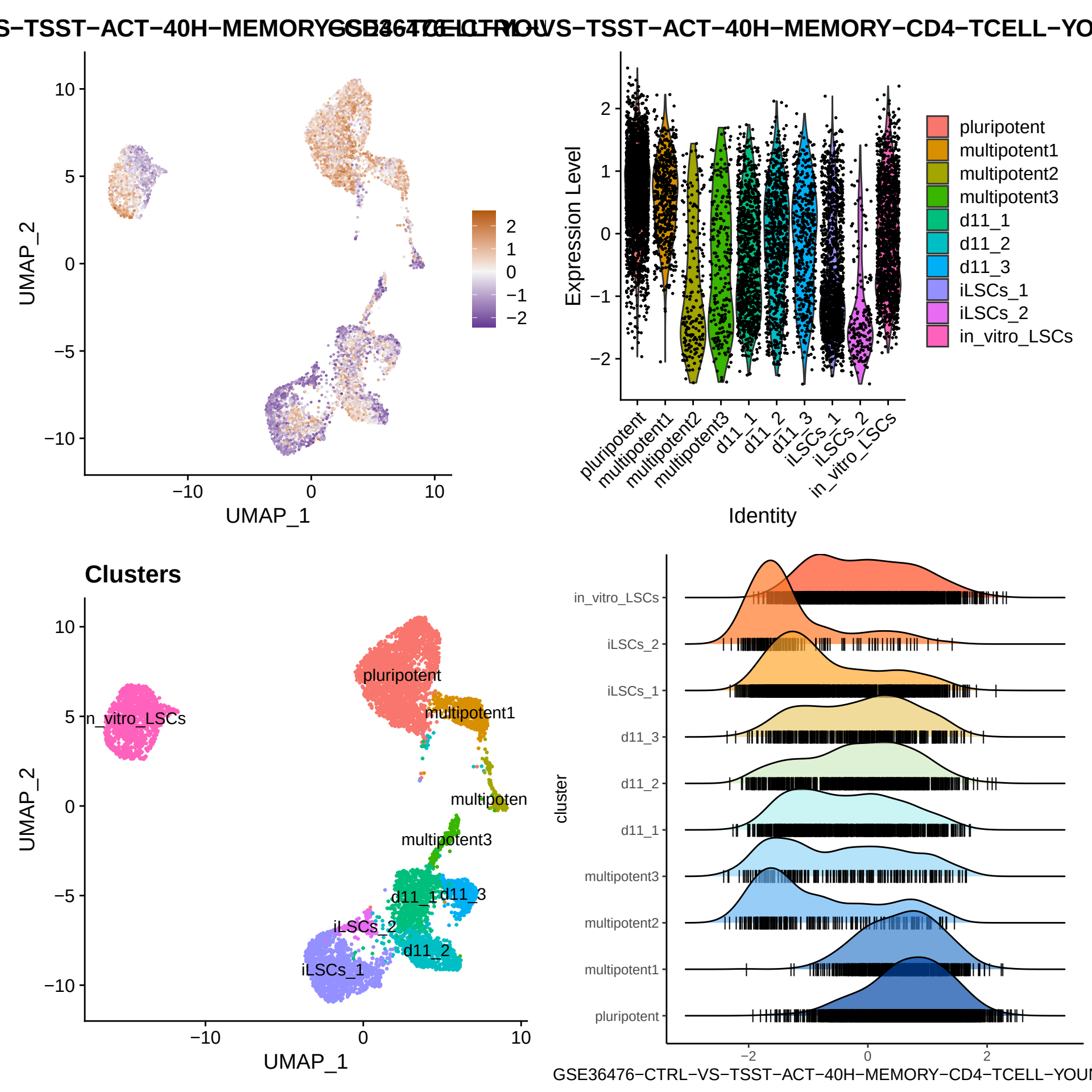

GSE34156−TLR1−TLR2−LIGAND−VS−NOD2−AND−TLR1−TLR2−LIGAND−24H−TREAT
UMAP_1
UMAP_2
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
cluster

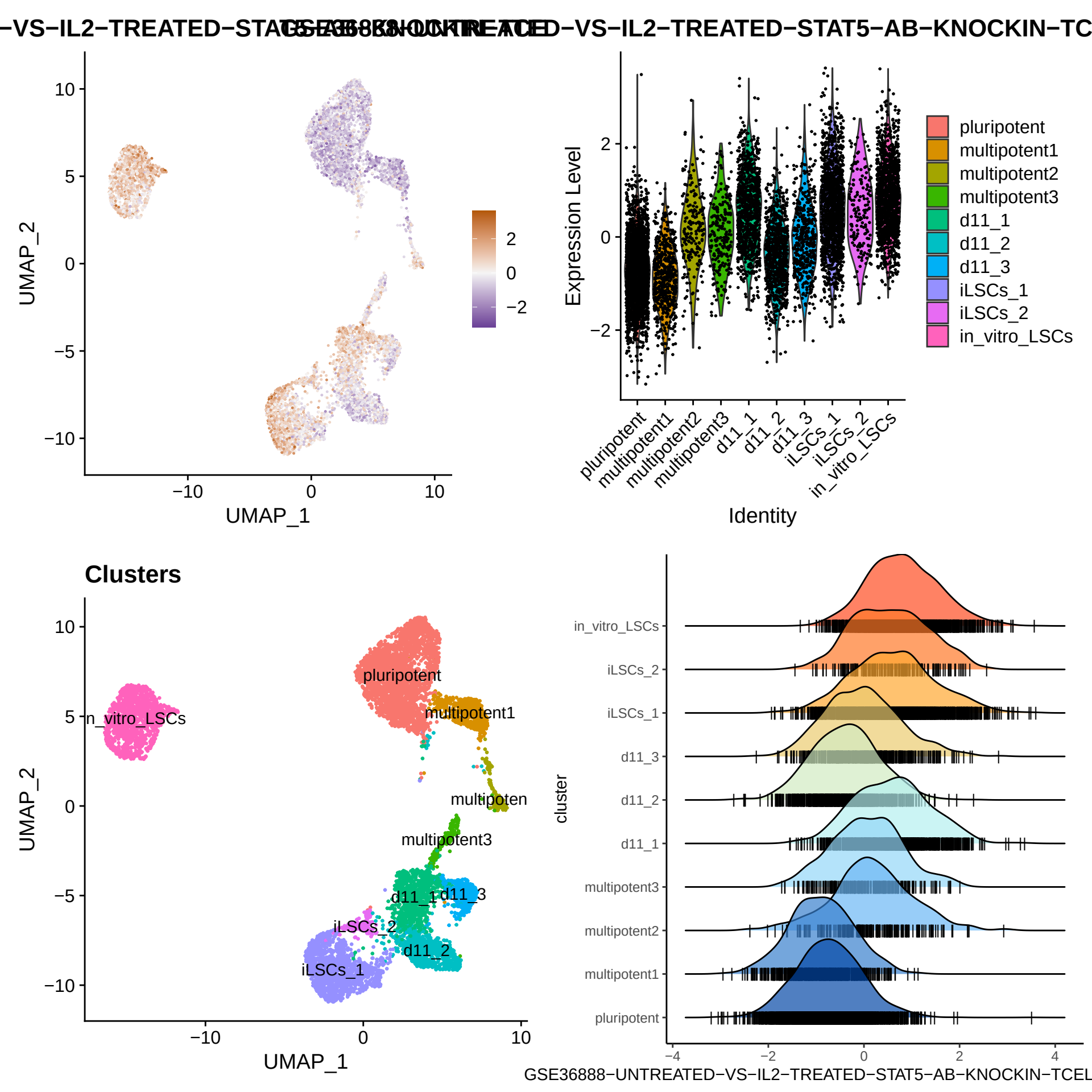

O−VS−WT−DAY8−LCMV−EFFECTOR−CD8−TCEL
GSE34392−ST2−KO−VS−WT−DAY8−LCMV−EFFECTOR−CD8−TCEL
UMAP_2
UMAP_1
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
cluster
GSE34392−ST2−KO−VS−WT−DAY8−LCMV−EFFECTOR−CD8−TCEL

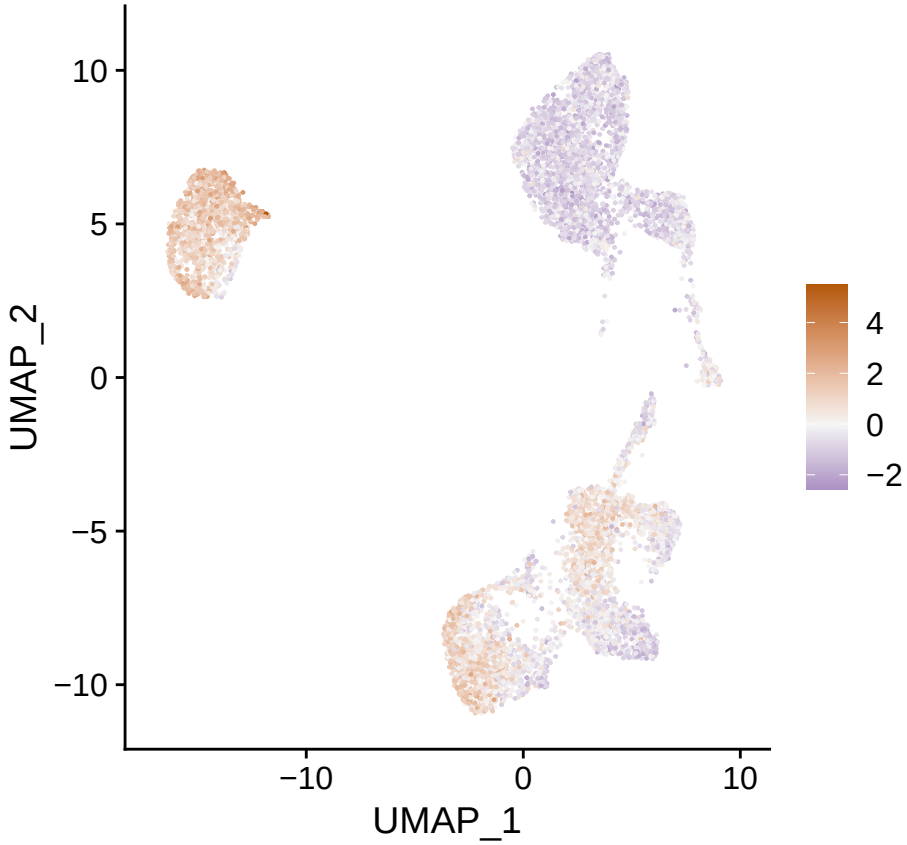

GSE3565-CTRL-VS-LPS-INJECTED-DUSP1-KO-SPLENOCYTES
UMAP_2
UMAP_1
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
cluster

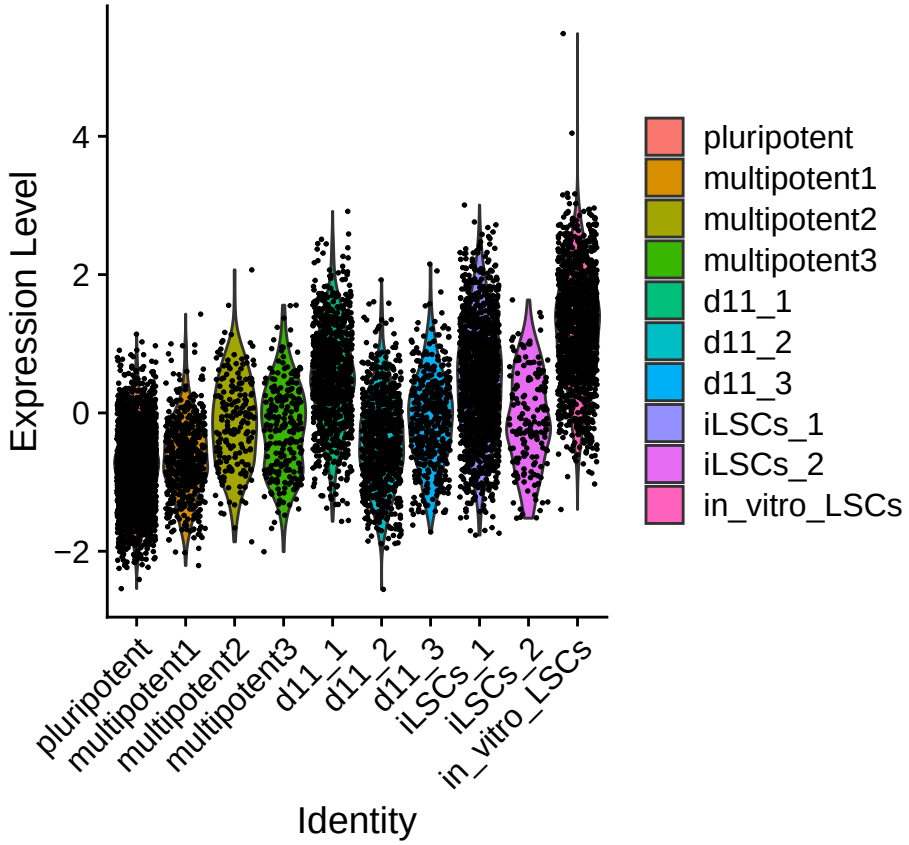

S−TSST−ACT−16H−MEMORY−CD4−TCELL−YOU
GSE36476−CTRL−VS−TSST−ACT−16H−MEMORY−CD4−TCELL−YO
UMAP_2
UMAP_1
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
cluster
GSE36476−CTRL−VS−TSST−ACT−16H−MEMORY−CD4−TCELL−YOU

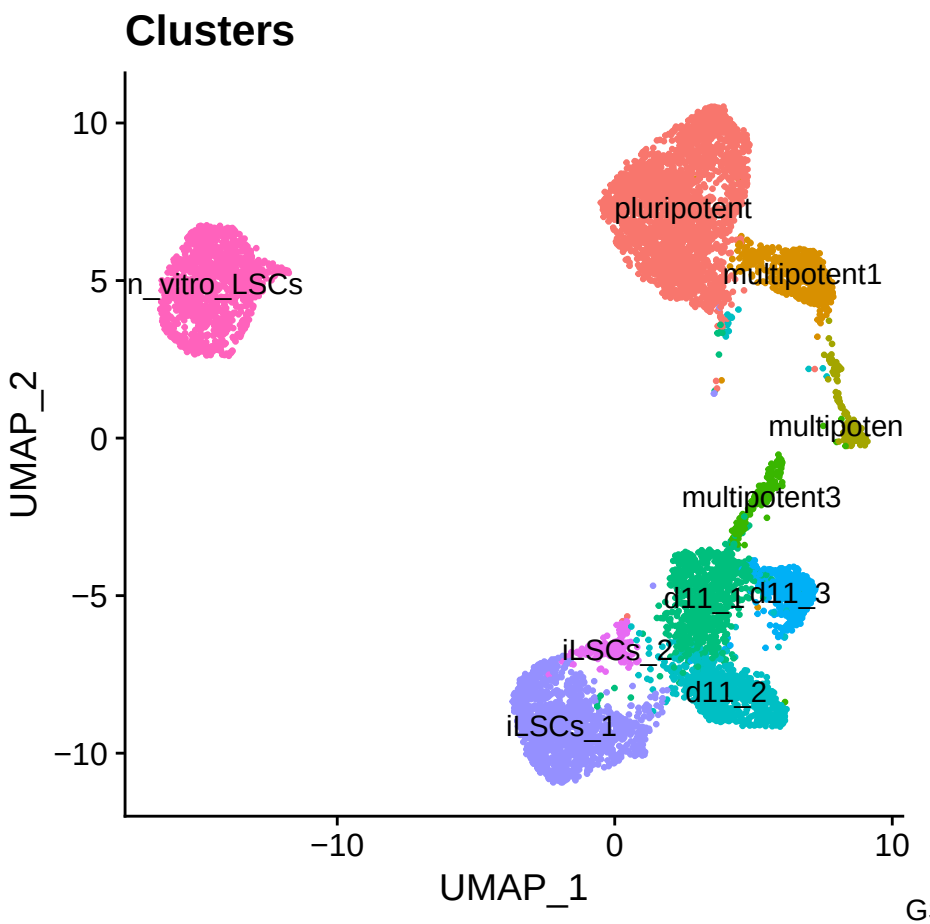

GSE36476-CTRL-VS-TSST-ACT-40H-MEMORY-CD4-TCELL-OLD
UMAP_1
UMAP_2
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
cluster

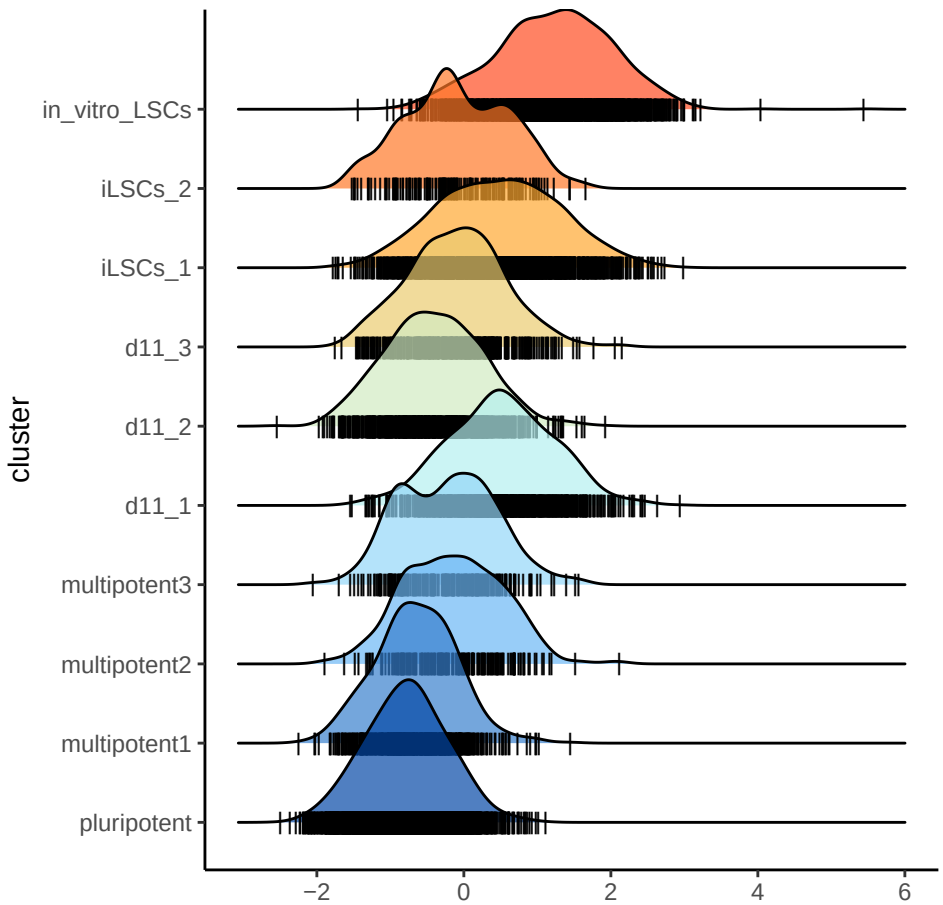

S−TSST−ACT−40H−MEMORY−CD4−TCELL−YOU
GSE36476−CTRL−VS−TSST−ACT−40H−MEMORY−CD4−TCELL−YO
UMAP_2
UMAP_1
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
cluster
GSE36476−CTRL−VS−TSST−ACT−40H−MEMORY−CD4−TCELL−YOU

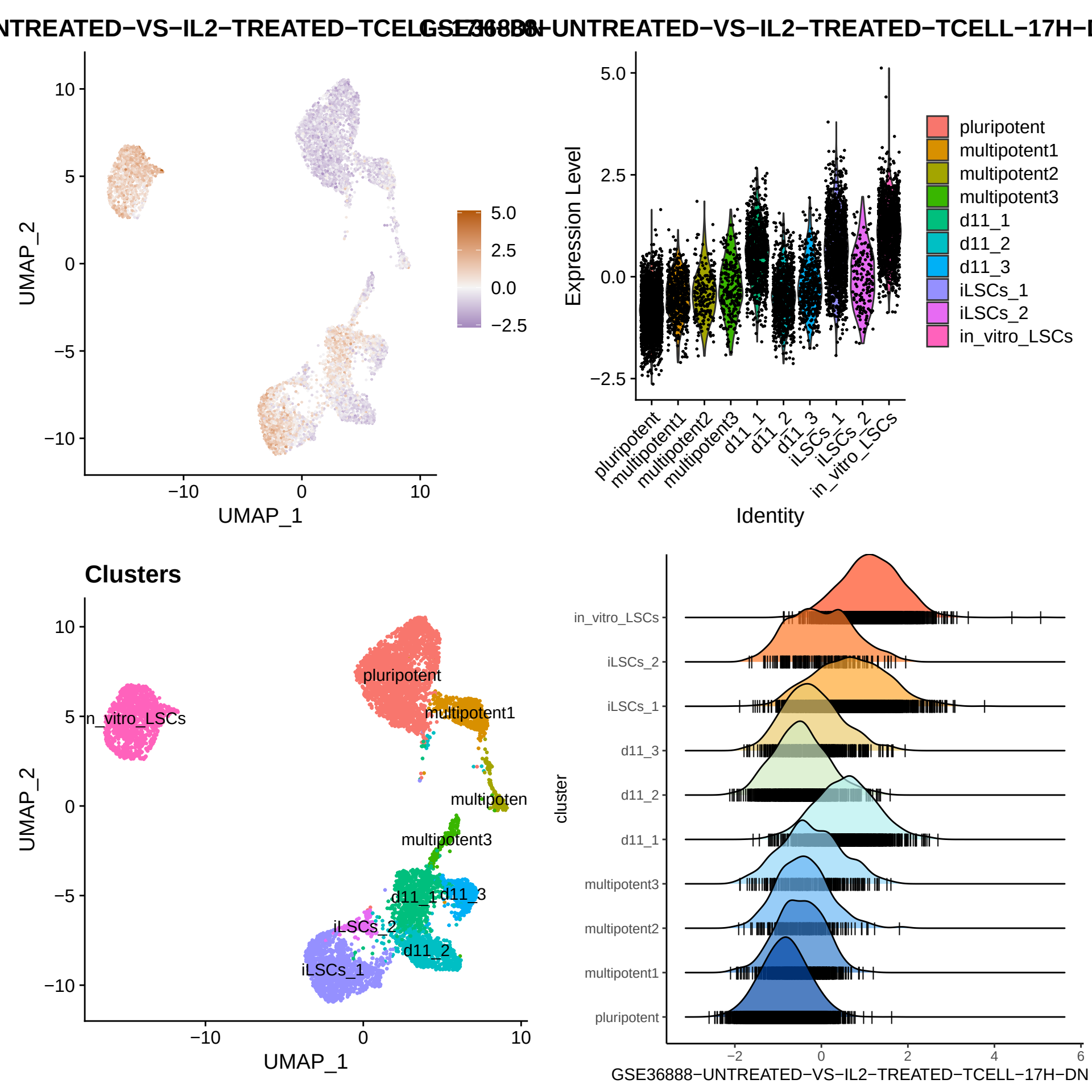

GSE36888−UNTREATED−VS−IL2−TREATED−STAT5−AB−KNOCKIN−TCEL
UMAP_2
UMAP_1
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
multipoten
cluster

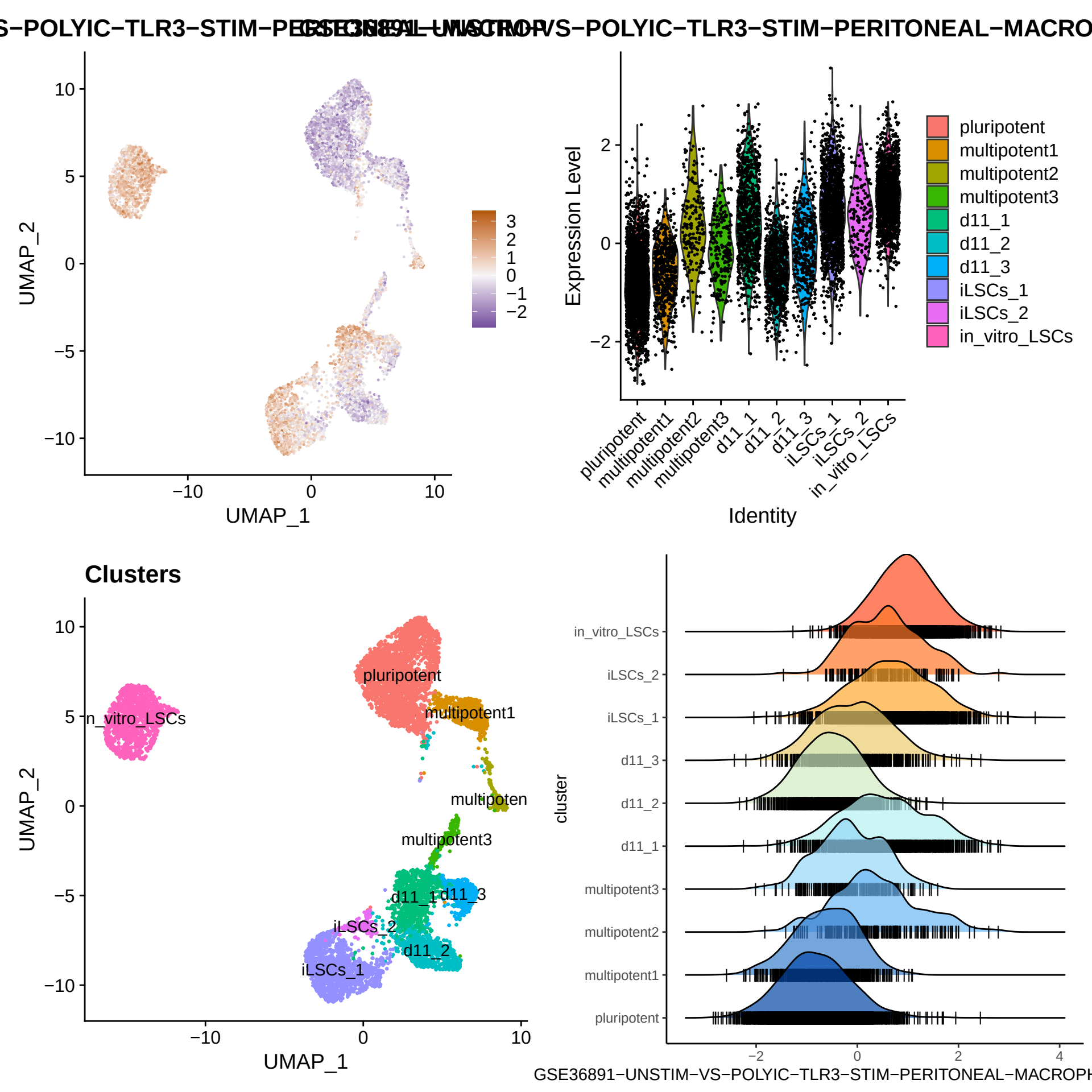

UMAP_2
UMAP_1
10
5
0
−5
−10
−10
0
10
4
2
0
−2

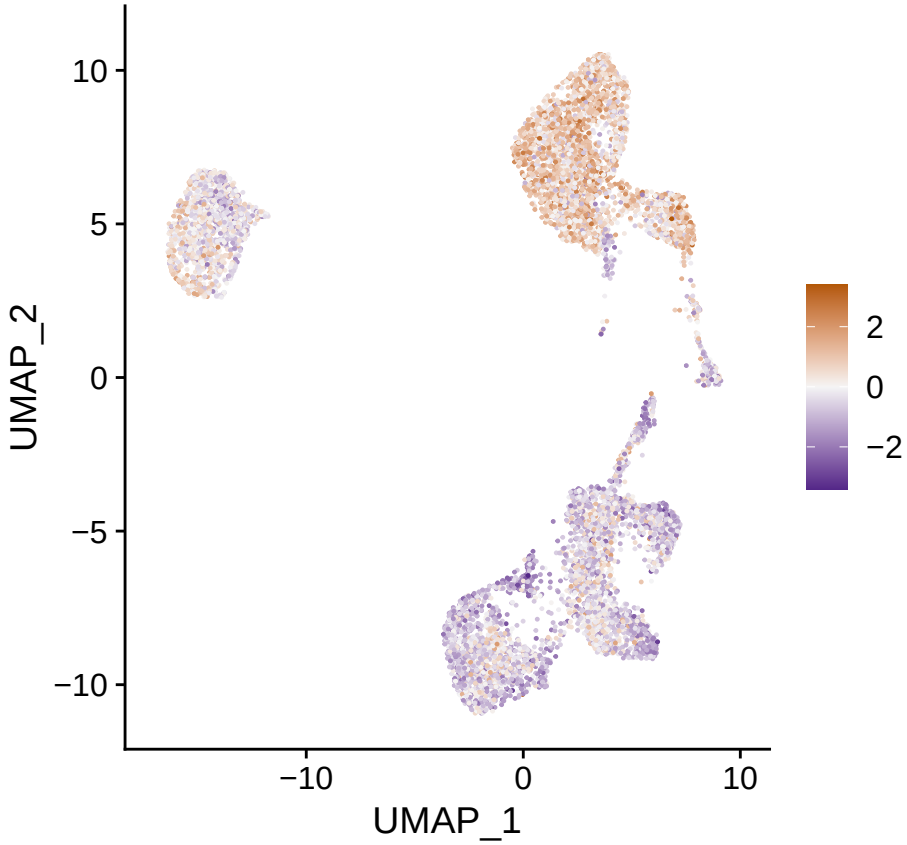

Expression Level
Identity
4
2
0
−2
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs

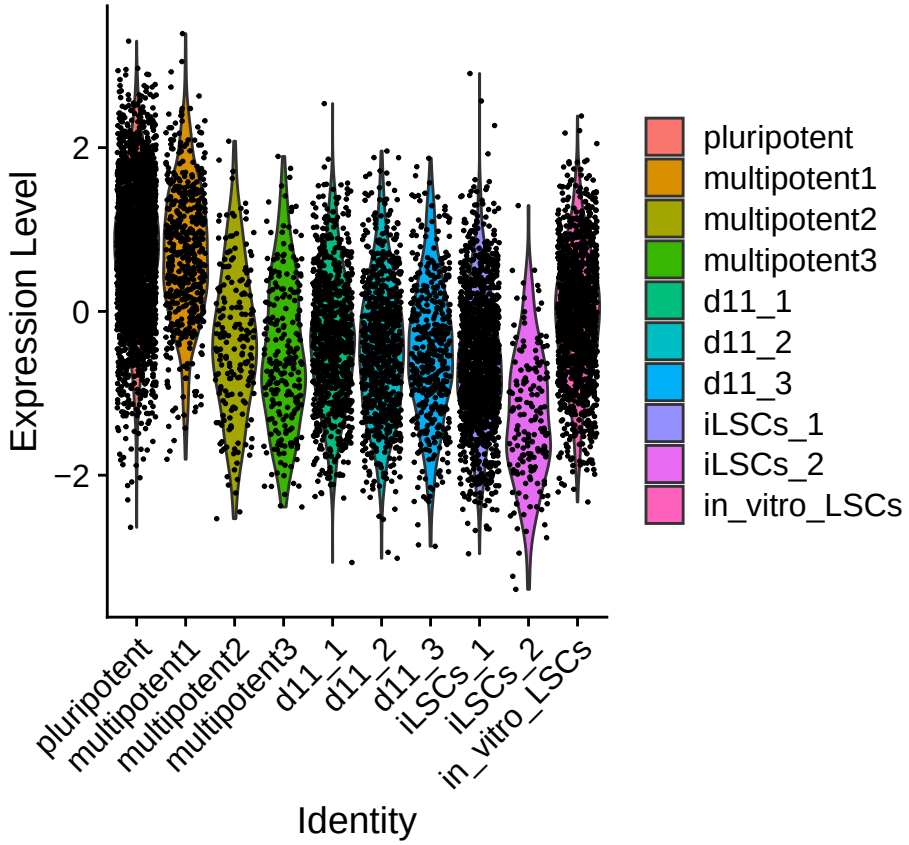

Clusters
UMAP_2
UMAP_1
10
5
0
−5
−10
−10
0
10
pluripotent
multipotent1
multipoten
multipotent3
d11_1
d11_3
iLSCs_2
d11_2
iLSCs_1
n_vitro_LSCs

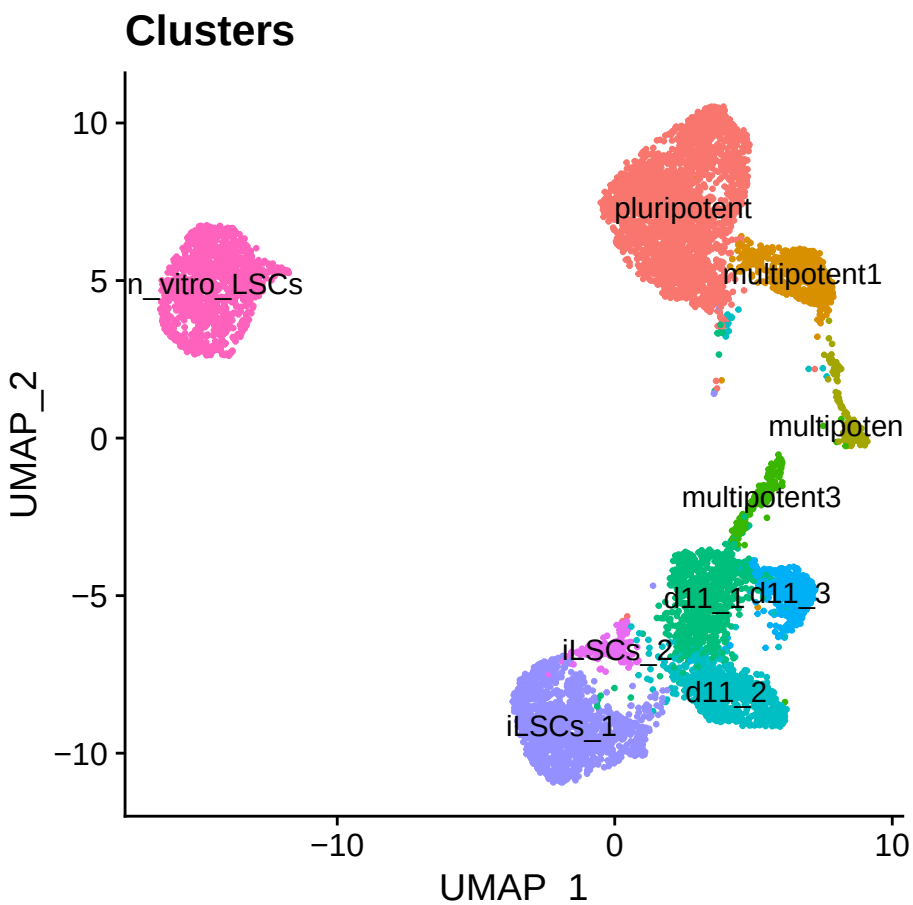

cluster
in_vitro_LSCs
iLSCs_2
iLSCs_1
d11_3
d11_2
d11_1
multipotent3
multipotent2
multipotent1
pluripotent
−2
0
2
4
6

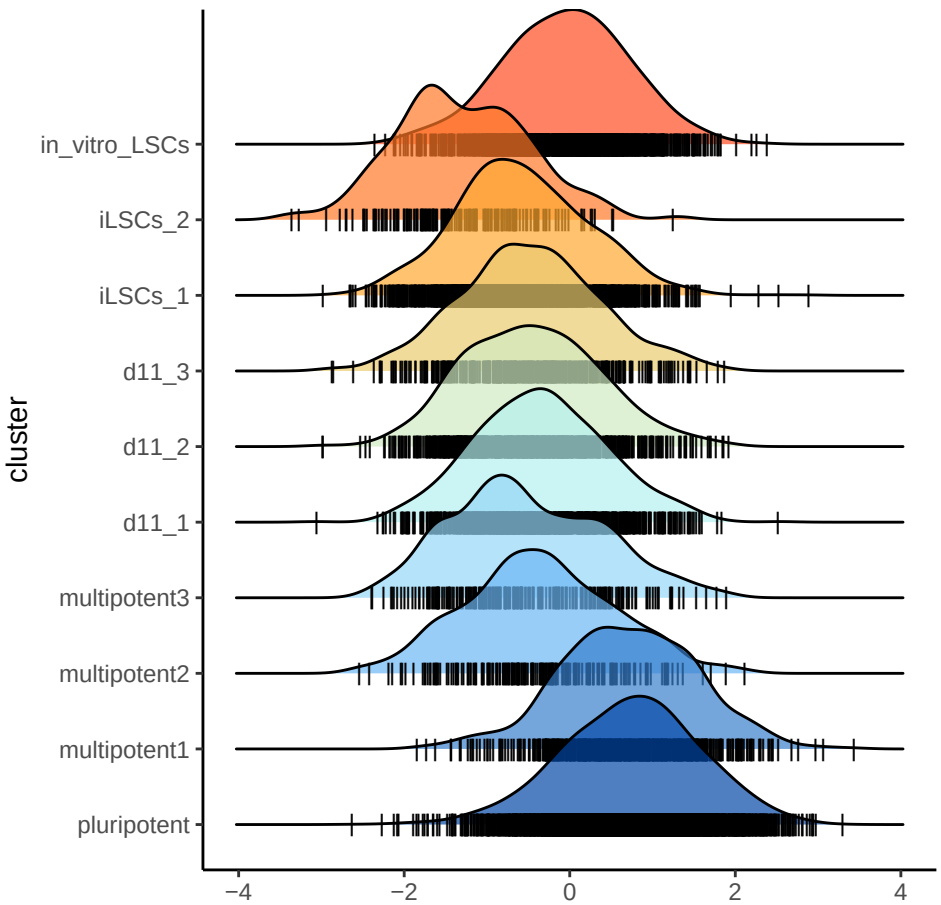

GSE36888−UNTREATED−VS−IL2−TREATED−TCELL−17H−DN
UMAP_1
UMAP_2
5.0
2.5
0.0
−2.5
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
cluster

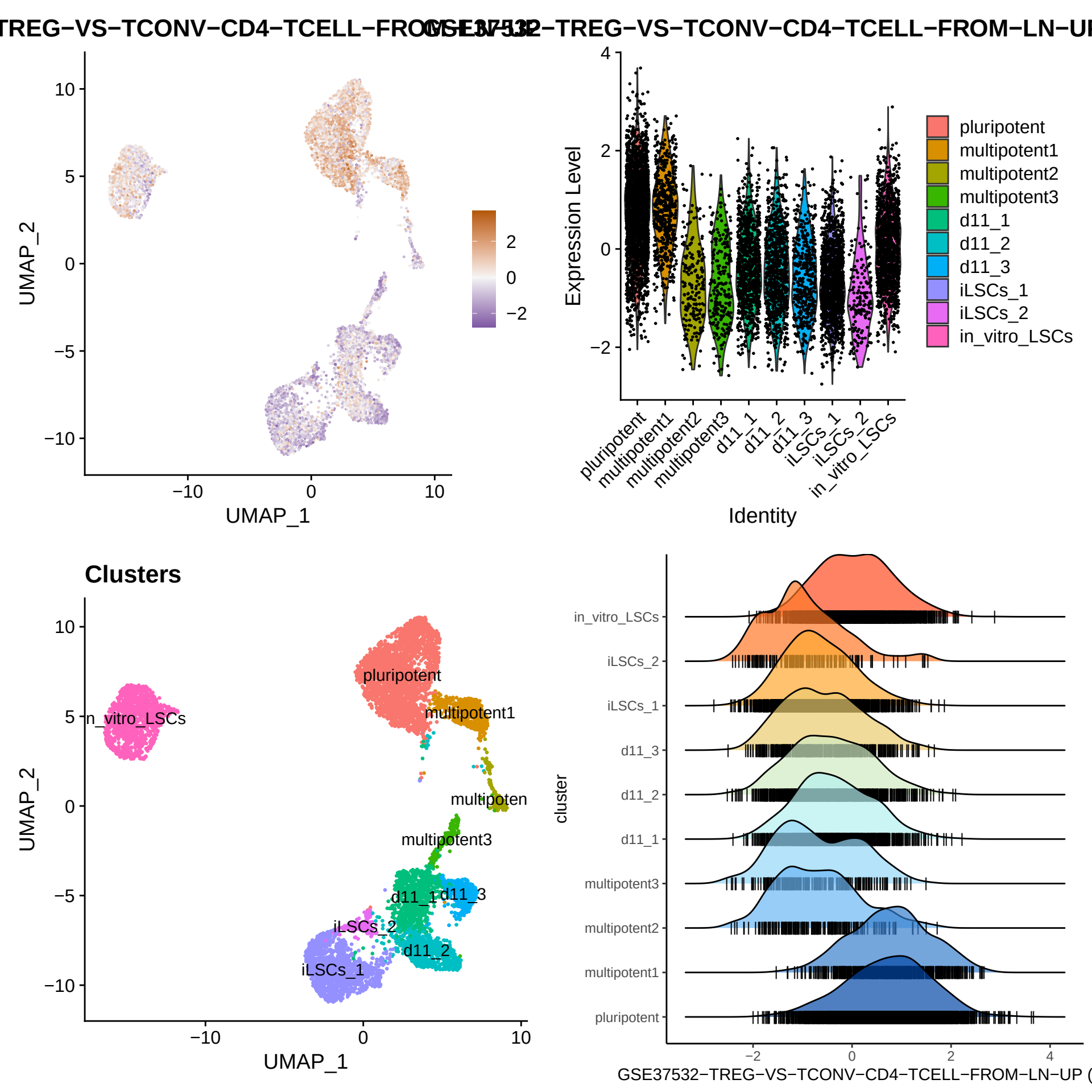

GSE36891−UNSTIM−VS−POLYIC−TLR3−STIM−PERITONEAL−MACROPH
UMAP_2
UMAP_1
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
multipoten
cluster

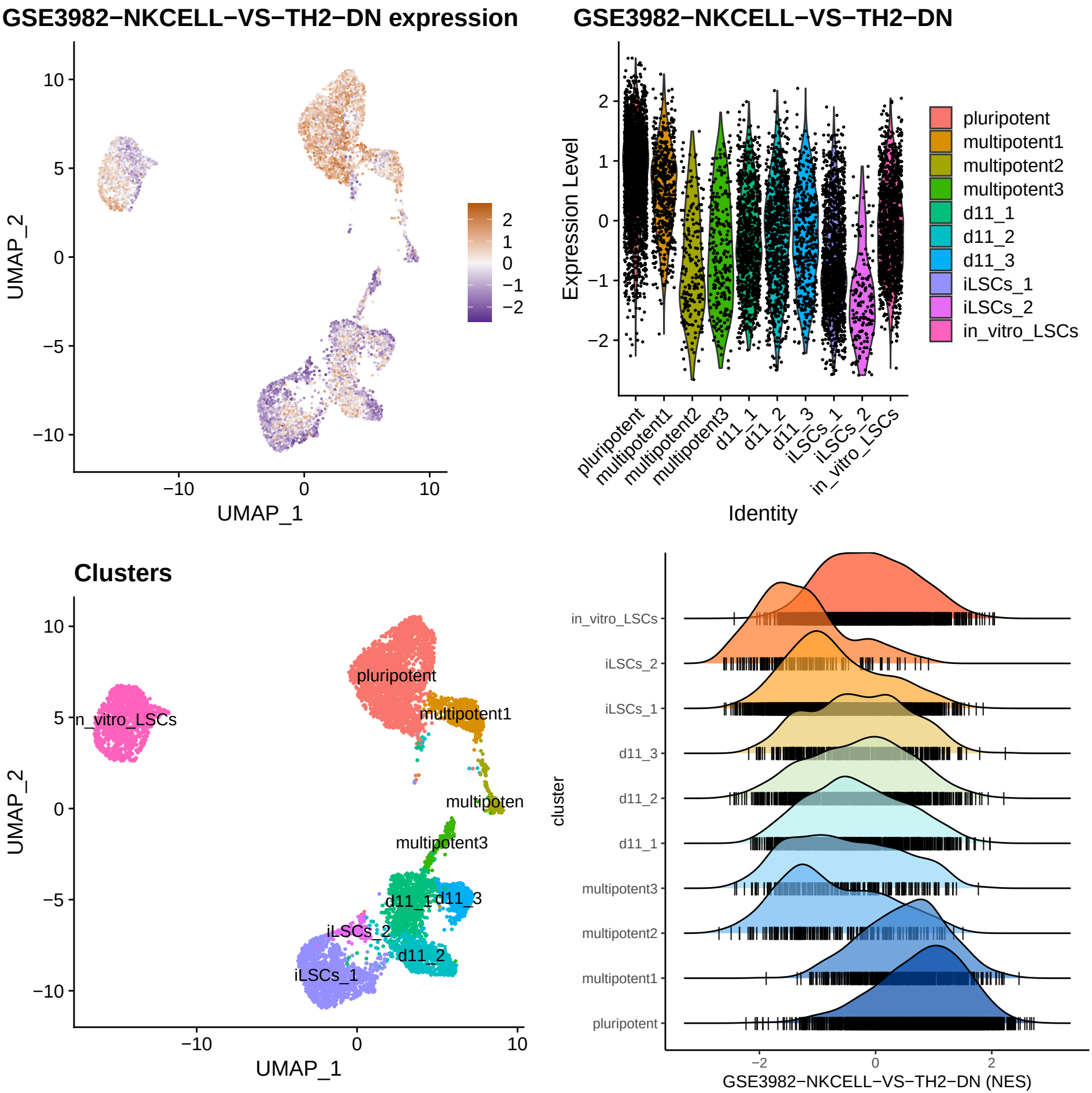

UMAP_2
UMAP_1
10
5
0
−5
−10
−10
0
10
2
0
−2

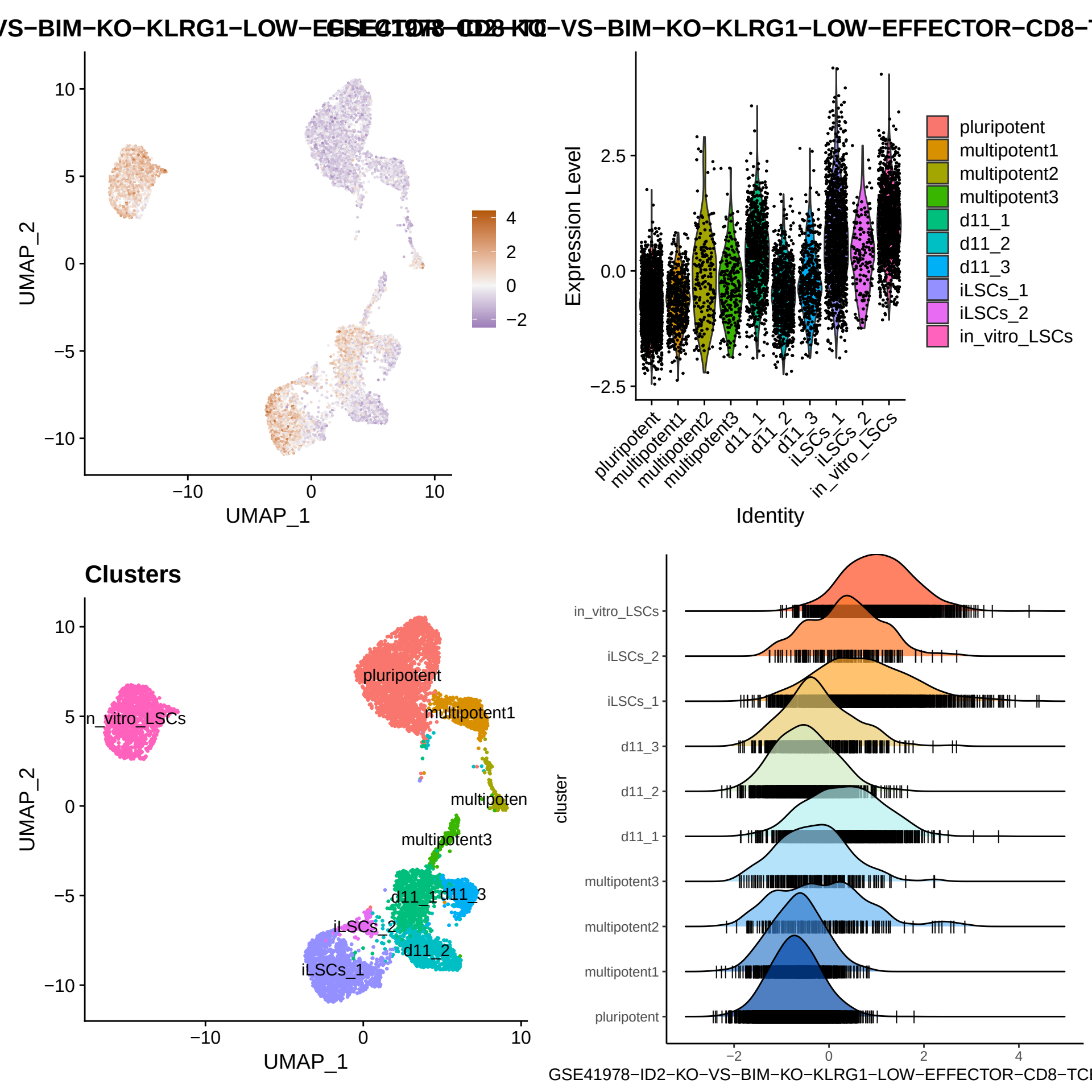

Expression Level
2
0
−2
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Identity

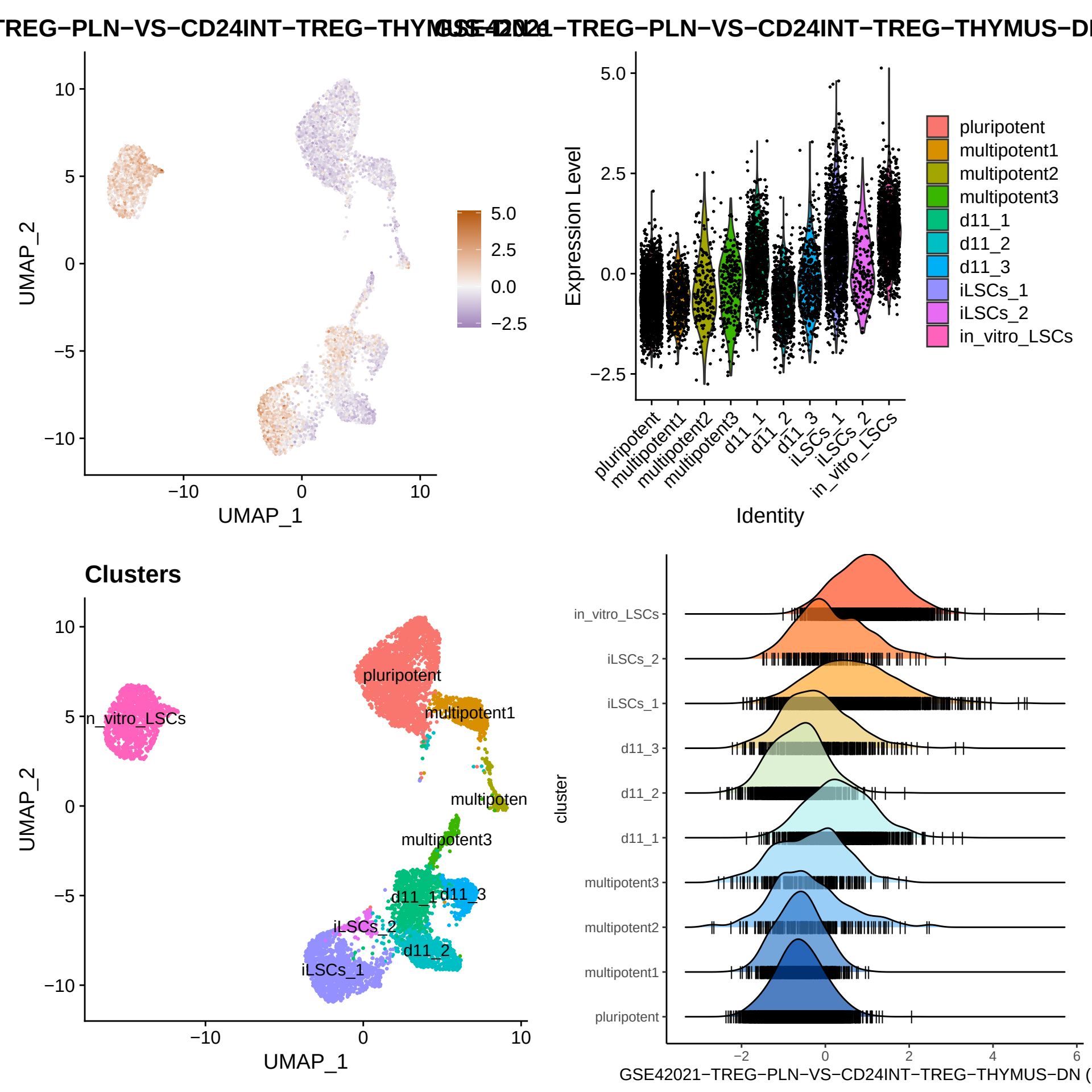

Clusters
UMAP_2
UMAP_1
10
5
0
−5
−10
−10
0
10
pluripotent
multipotent1
in_vitro_LSCs
multipoten
multipotent3
d11_1
d11_3
iLSCs_2
d11_2
iLSCs_1

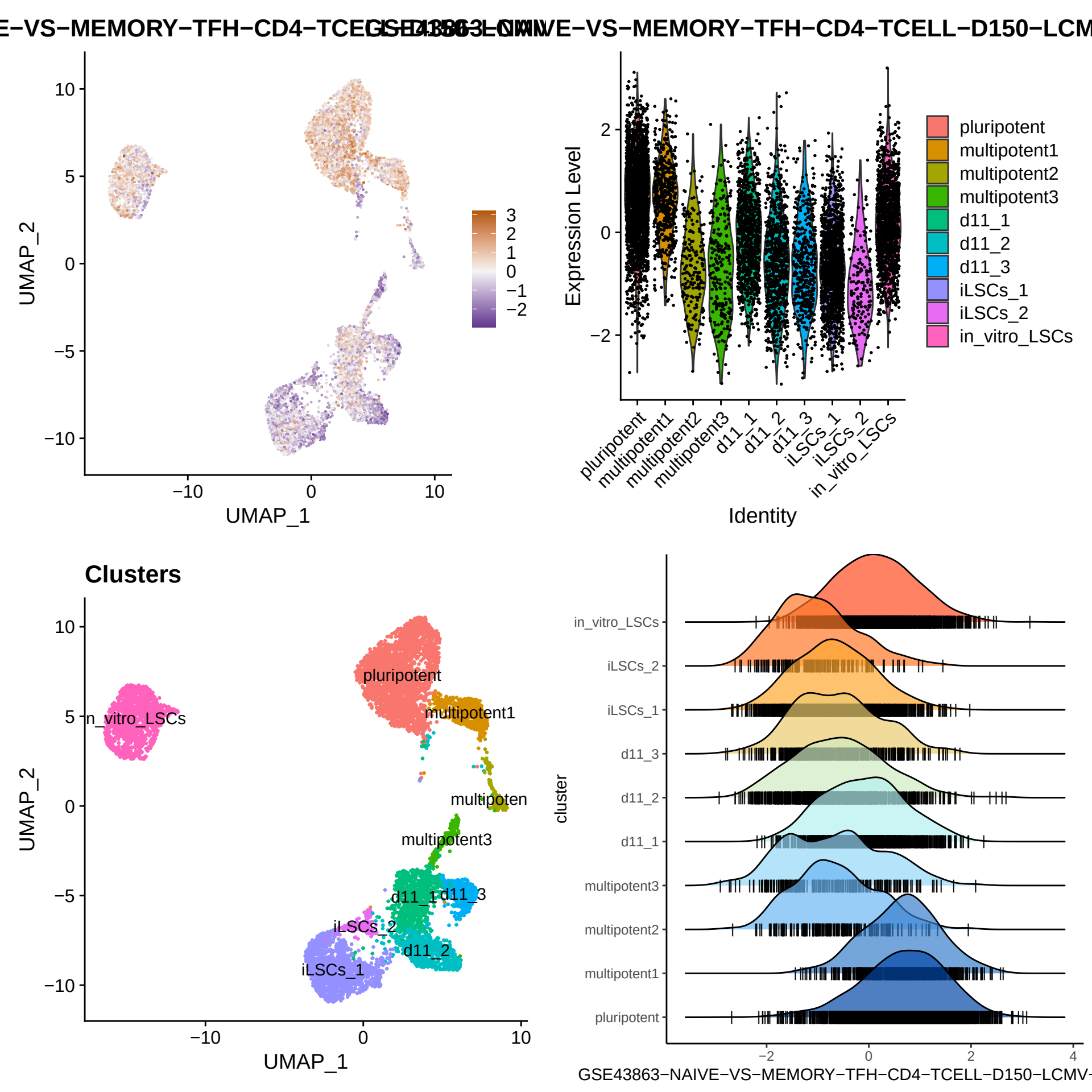

cluster
in_vitro_LSCs
iLSCs_2
iLSCs_1
d11_3
d11_2
d11_1
multipotent3
multipotent2
multipotent1
pluripotent
−4
−2
0
2
4

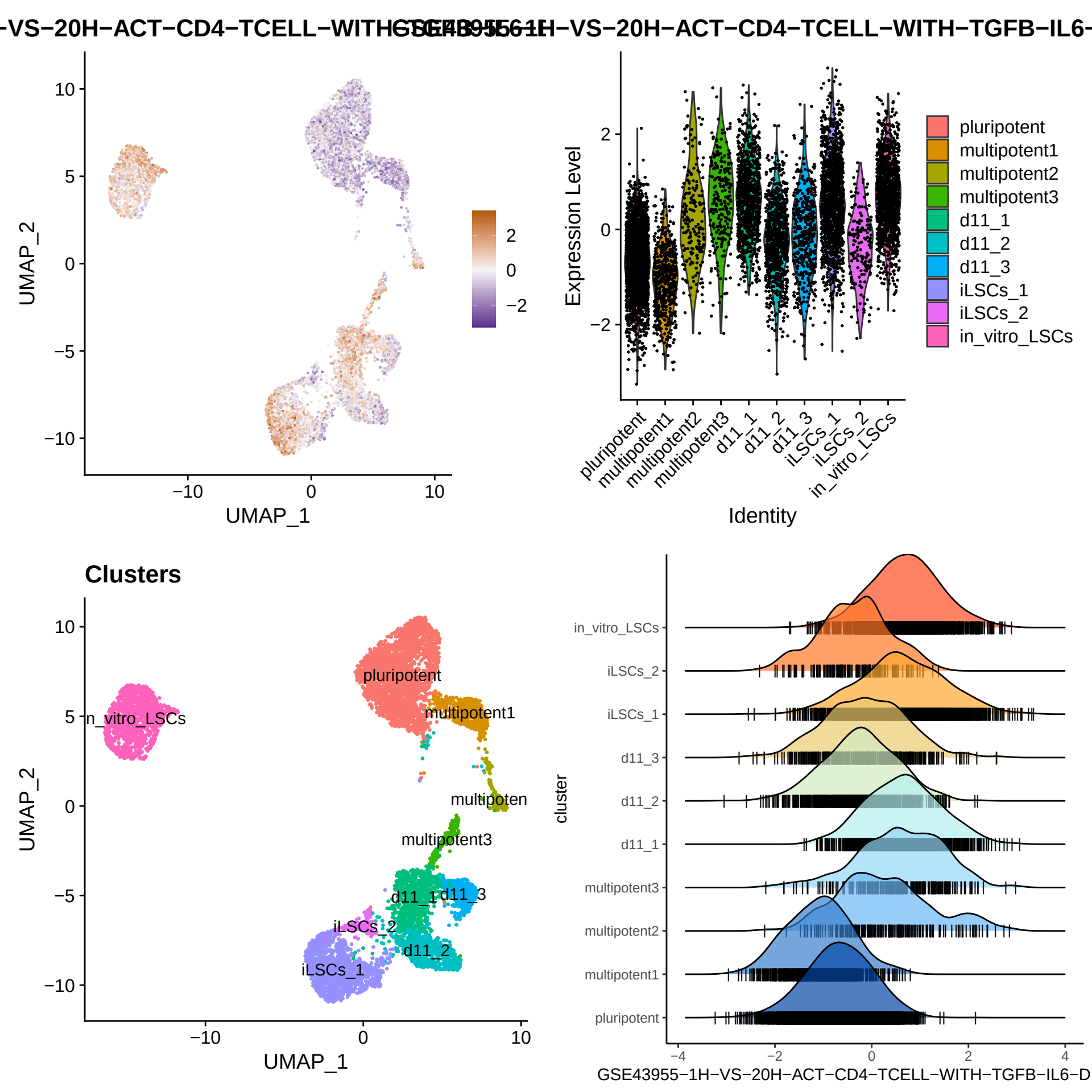

GSE37532−TREG−VS−TCONV−CD4−TCELL−FROM−LN−UP
GSE37532−TREG−VS−TCONV−CD4−TCELL−FROM−LN−UP
UMAP_2
UMAP_1
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
cluster
GSE37532−TREG−VS−TCONV−CD4−TCELL−FROM−LN−UP (

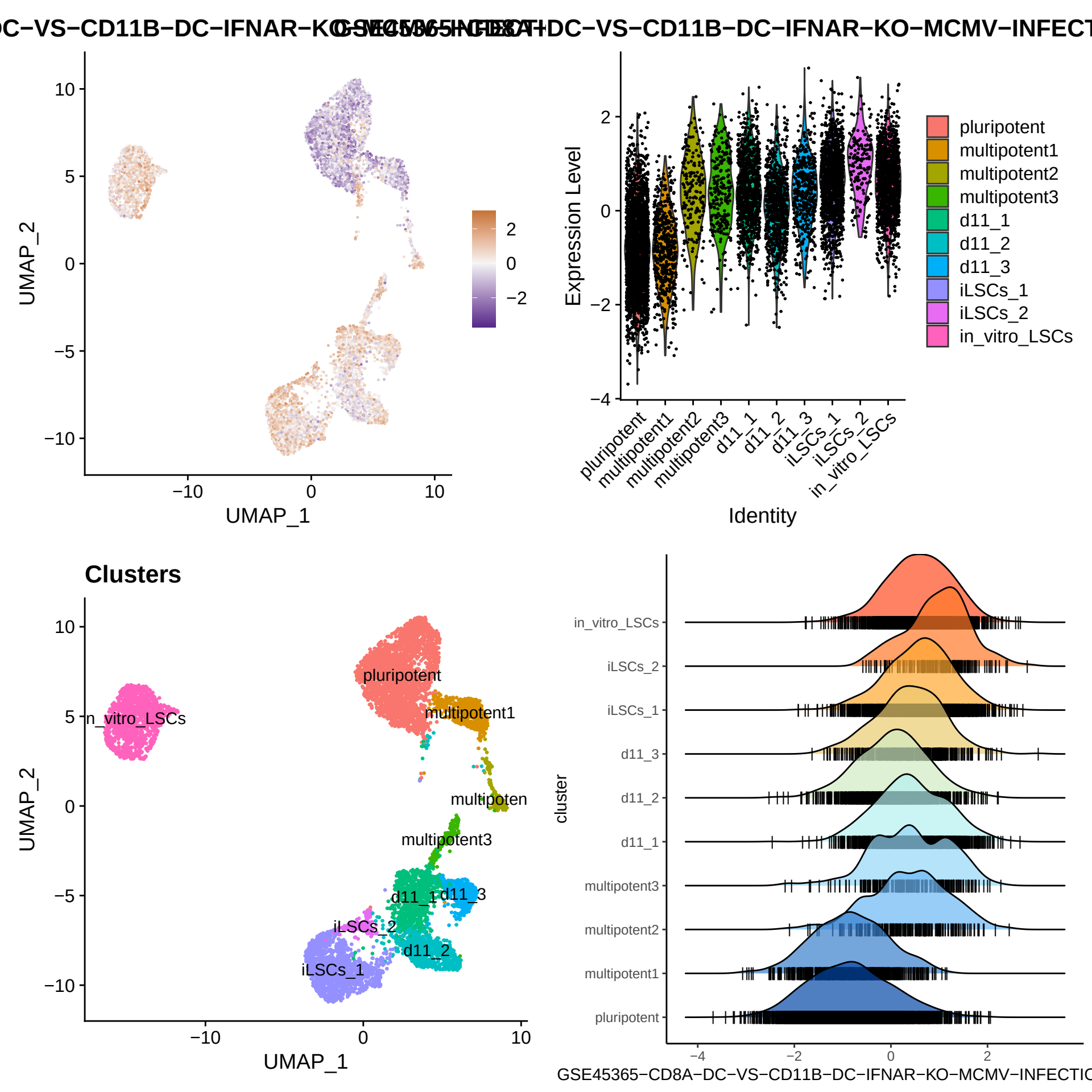

GSE3982−NKCELL−VS−TH2−DN expression
UMAP_2
UMAP_1
10
5
0
−5
−10
2
1
0
−1
−2
GSE3982−NKCELL−VS−TH2−DN
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
pluripotent
multipotent1
multipoten
multipotent3
d11_1
d11_3
d11_2
iLSCs_2
iLSCs_1
in_vitro_LSCs
cluster
GSE3982−NKCELL−VS−TH2−DN (NES)

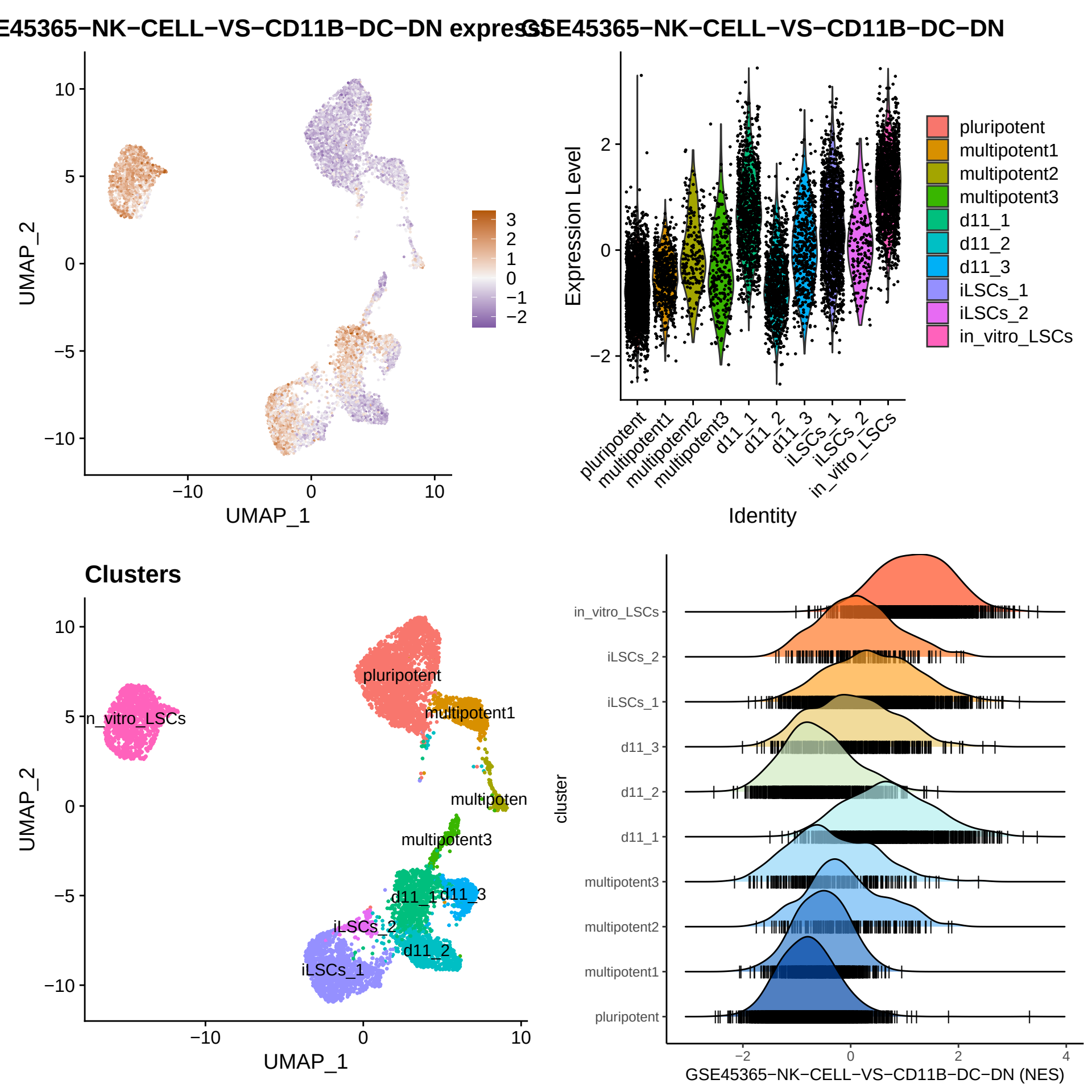

GSE41978−ID2−KO−VS−BIM−KO−KLRG1−LOW−EFFECTOR−CD8−TCL
UMAP_1
UMAP_2
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
cluster

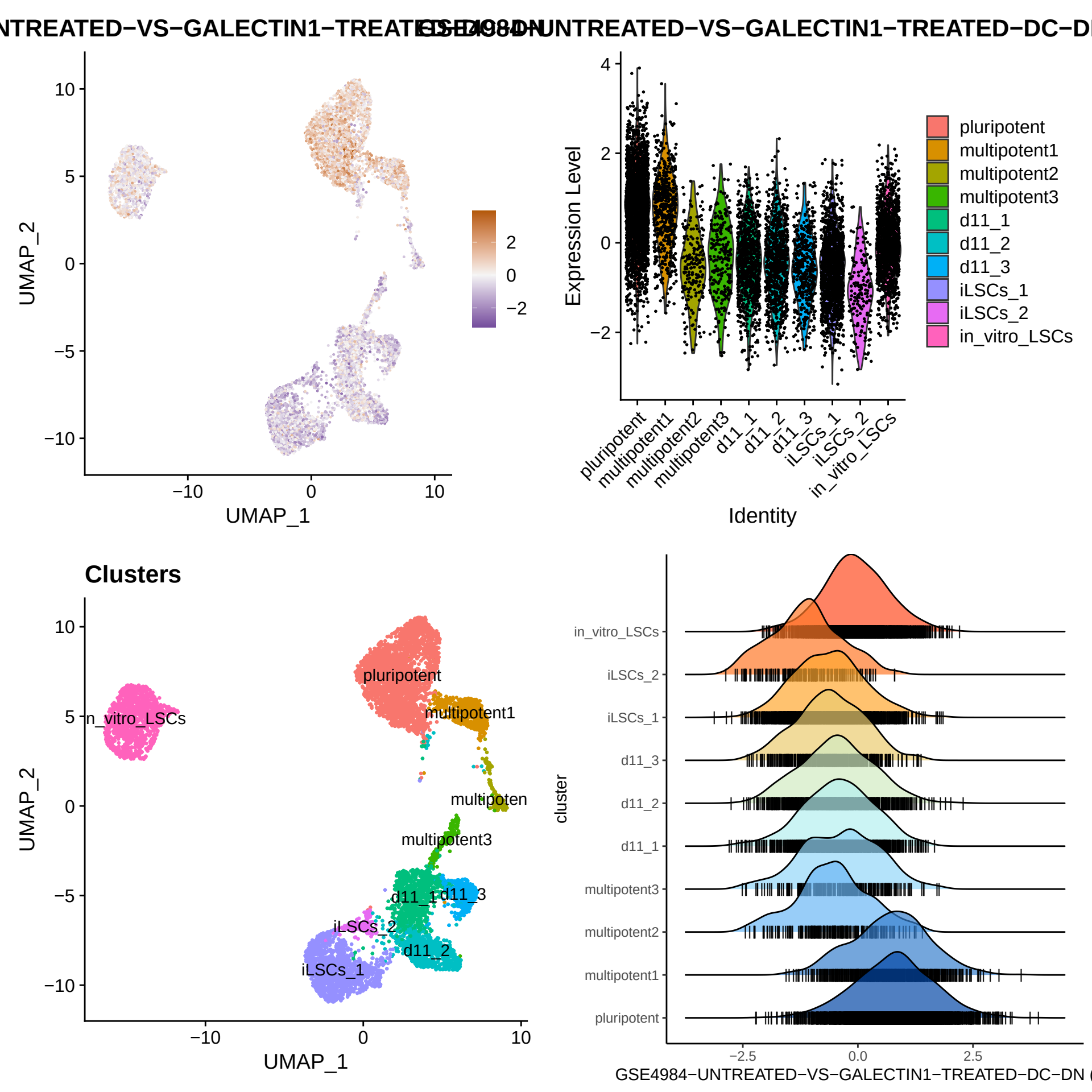

TREG−PLN−VS−CD24INT−TREG−THYMUS−DN
GSE42021−TREG−PLN−VS−CD24INT−TREG−THYMUS−DN
UMAP_2
UMAP_1
5.0
2.5
0.0
−2.5
Expression Level
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Identity
Clusters
pluripotent
multipotent1
multipotent3
d11_1
d11_3
d11_2
iLSCs_2
iLSCs_1
cluster
GSE42021−TREG−PLN−VS−CD24INT−TREG−THYMUS−DN (

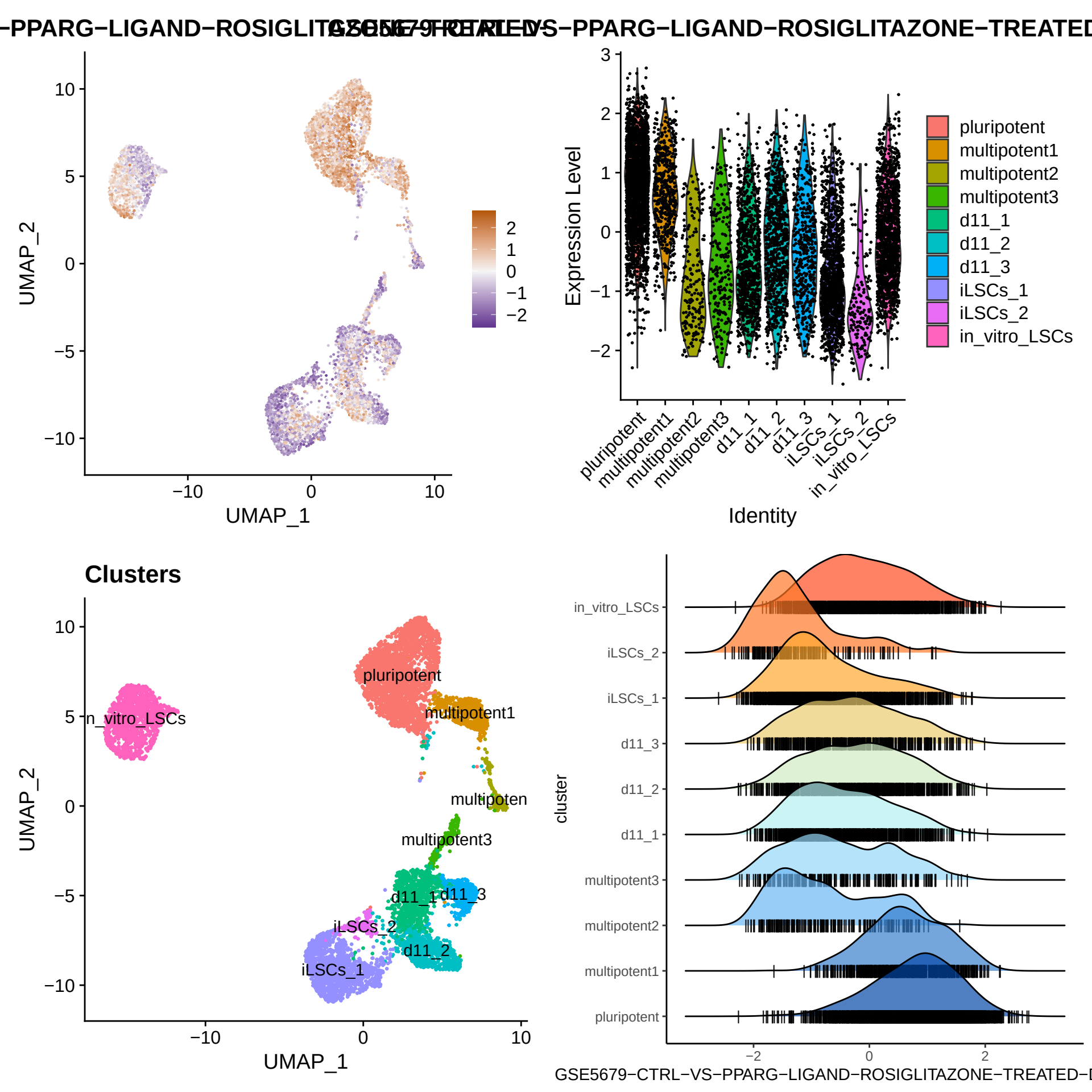

GSE43863−NAIVE−VS−MEMORY−TFH−CD4−TCELL−D150−LCMV
UMAP_2
UMAP_1
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
cluster

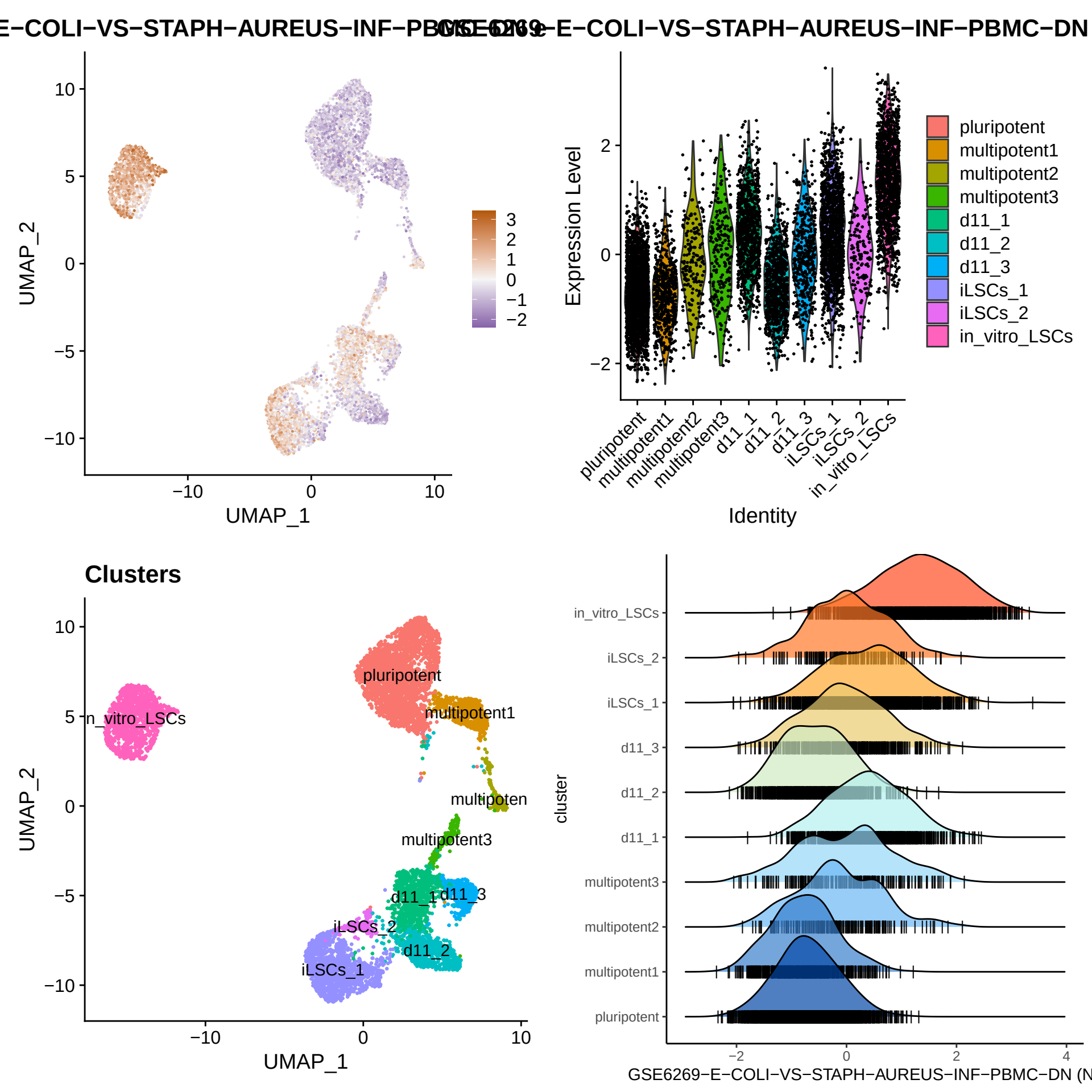

GSE43955-1H-VS-20H-ACT-CD4-TCELL-WITH-TGFB-IL6-
UMAP_2
UMAP_1
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
cluster
GSE43955-1H-VS-20H-ACT-CD4-TCELL-WITH-TGFB-IL6-D

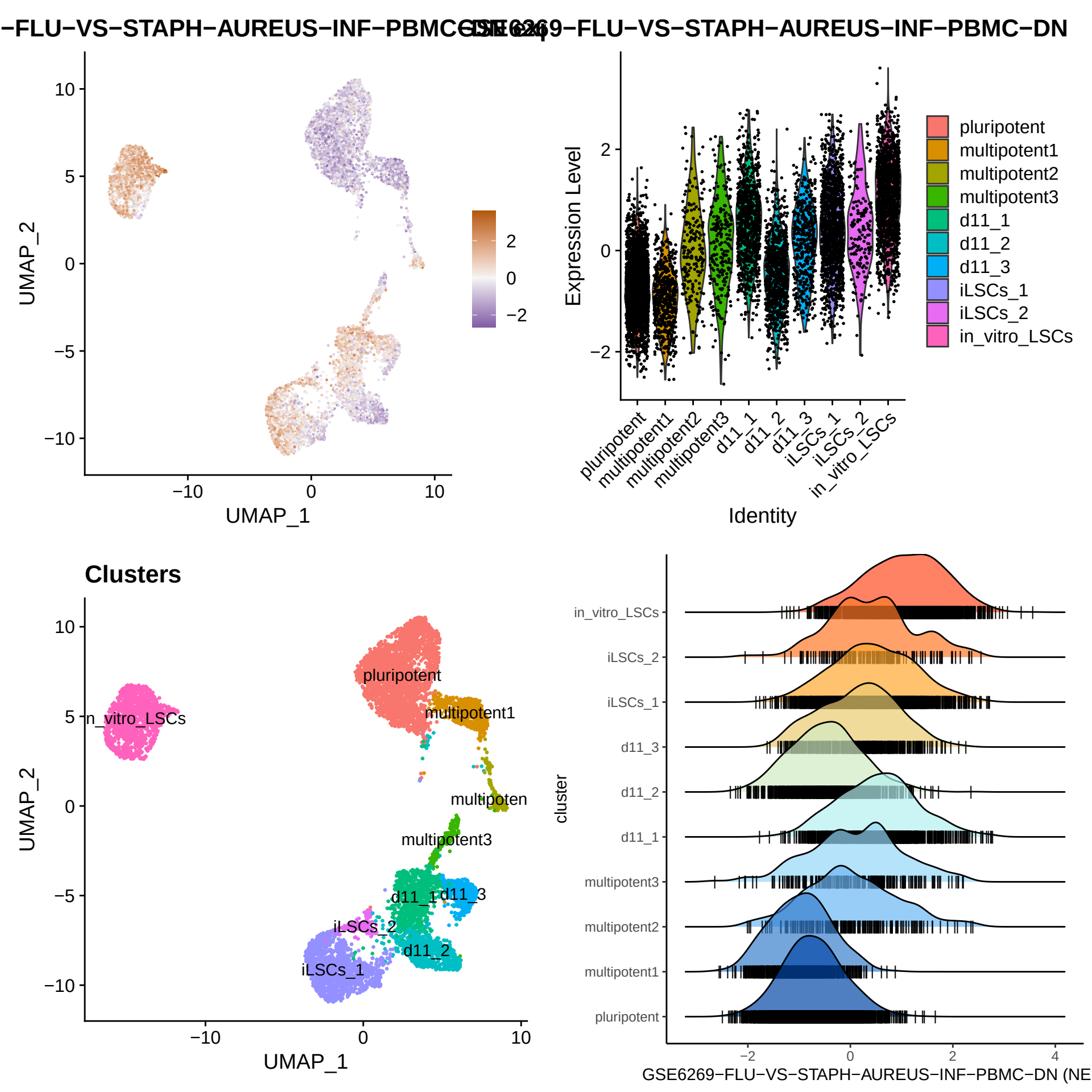

GSE45365−CD8A−DC−VS−CD11B−DC−IFNAR−KO−MCMV−INFECT
UMAP_2
UMAP_1
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
cluster

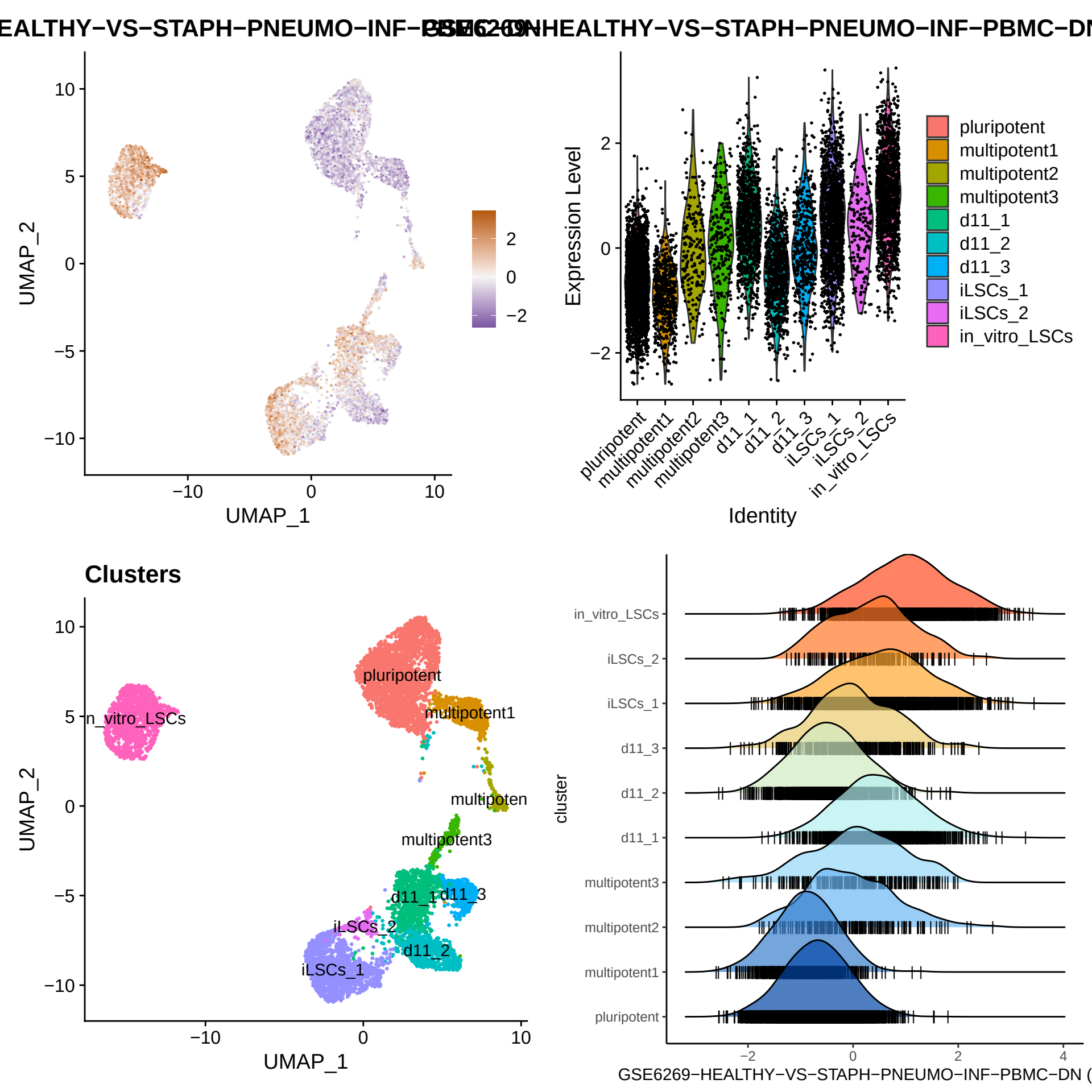

E45365−NK−CELL−VS−CD11B−DC−DN expressi
GSE45365−NK−CELL−VS−CD11B−DC−DN
UMAP_2
UMAP_1
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
pluripotent
multipotent1
multipoten
multipotent3
d11_1
d11_3
iLSCs_2
d11_2
iLSCs_1
in_vitro_LSCs
cluster
GSE45365−NK−CELL−VS−CD11B−DC−DN (NES)

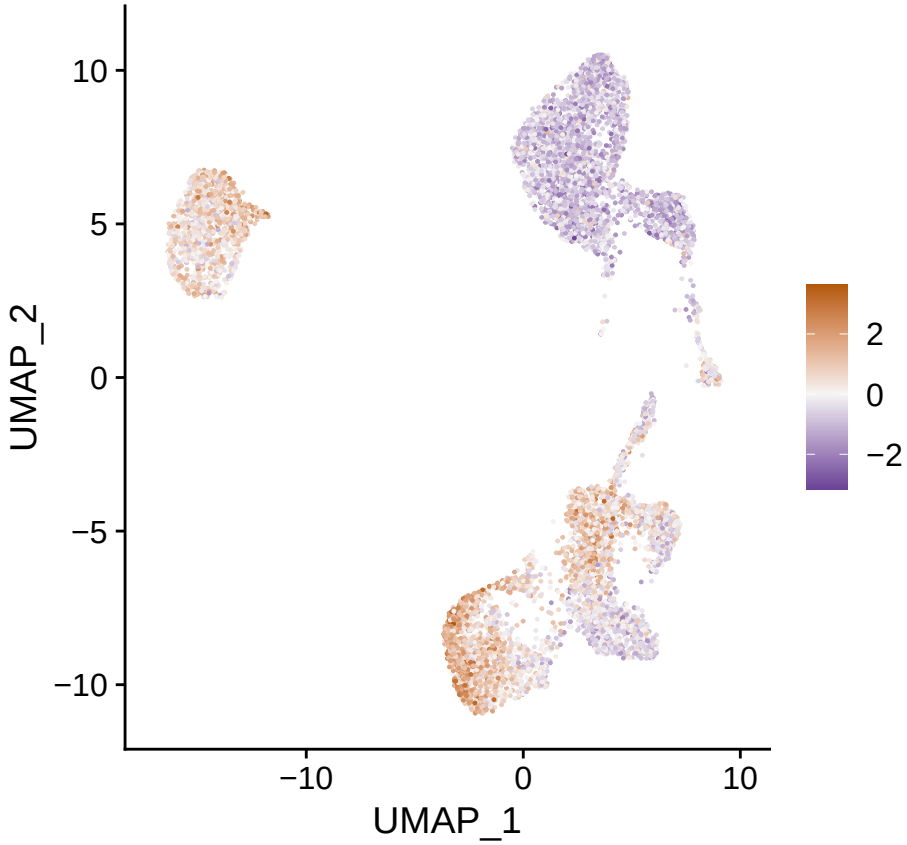

GSE4984−UNTREATED−VS−GALECTIN1−TREATED−DC−DN
UMAP_2
UMAP_1
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
cluster
GSE4984−UNTREATED−VS−GALECTIN1−TREATED−DC−DN

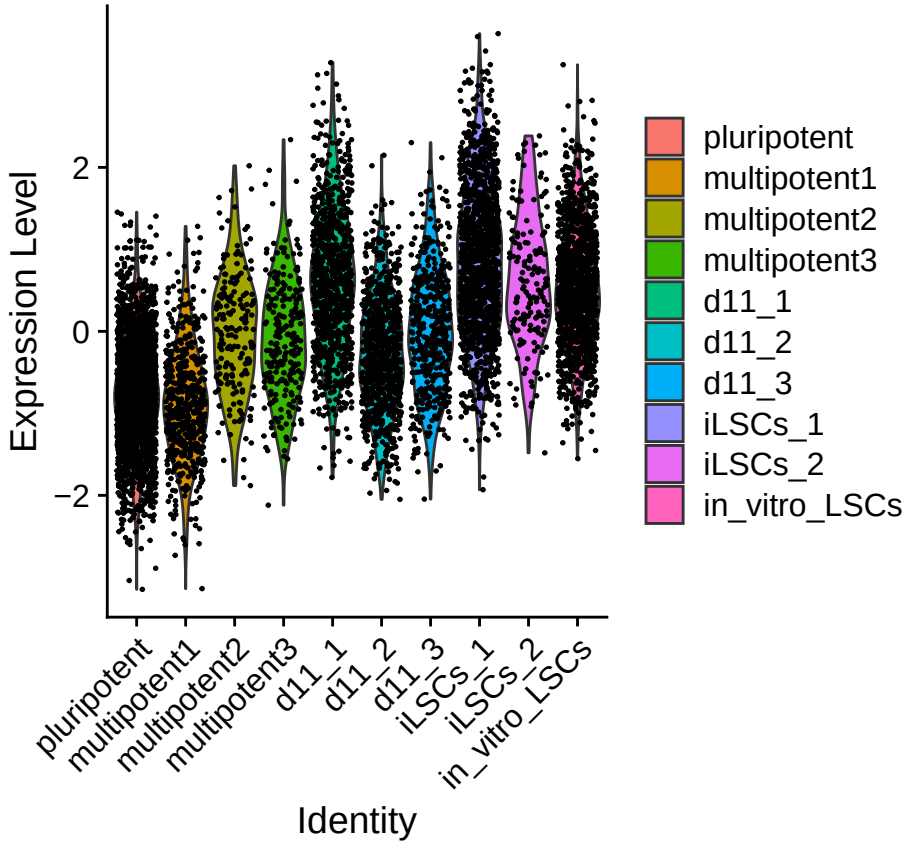

GSE5679−CTRL−VS−PPARG−LIGAND−ROSIGLITAZONE−TREATED
UMAP_2
UMAP_1
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
cluster

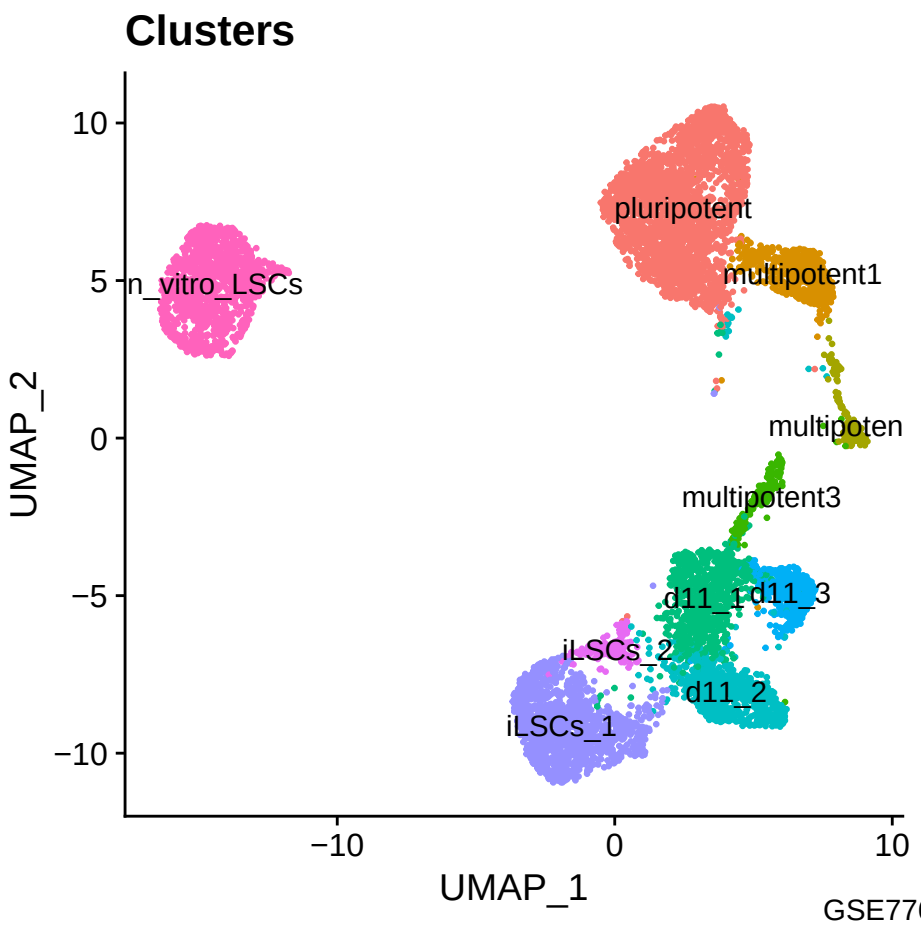

GSE6269−E−COLI−VS−STAPH−AUREUS−INF−PBMC−DN
UMAP_2
UMAP_1
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
cluster
GSE6269−E−COLI−VS−STAPH−AUREUS−INF−PBMC−DN (N

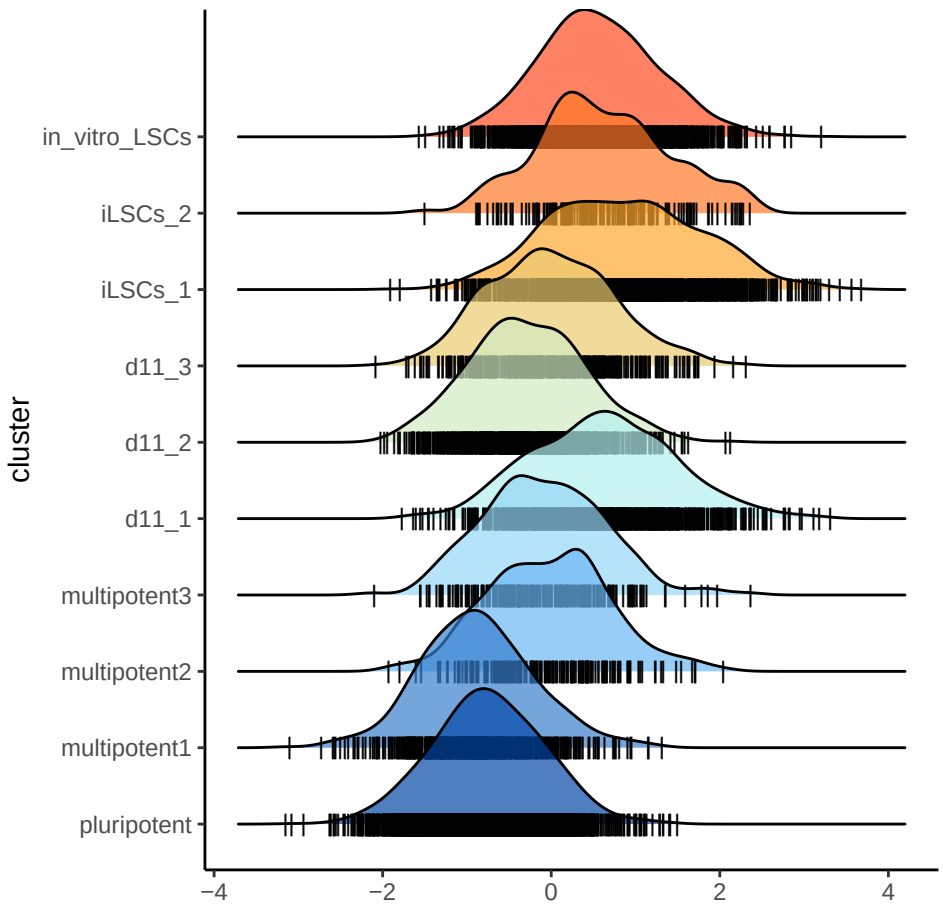

GSE6269−FLU−VS−STAPH−AUREUS−INF−PBMC−DN
UMAP_2
UMAP_1
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
cluster
GSE6269−FLU−VS−STAPH−AUREUS−INF−PBMC−DN (NE


EALTHY−VS−STAPH−PNEUMO−INF−PBMC−DN
GSE6269−HEALTHY−VS−STAPH−PNEUMO−INF−PBMC−DN
UMAP_2
UMAP_1
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
pluripotent
multipotent1
multipoten
multipotent3
d11_1
d11_3
iLSCs_2
d11_2
iLSCs_1
n_vitro_LSCs
cluster
GSE6269−HEALTHY−VS−STAPH−PNEUMO−INF−PBMC−DN (


UMAP_2
UMAP_1
10
5
0
−5
−10
−10
0
10
2
0
−2


Expression Level
2
0
−2
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Identity


Clusters
UMAP_2
UMAP_1
10
5
0
−5
−10
−10
0
10
pluripotent
multipotent1
n_vitro_LSCs
multipoten
multipotent3
d11_1
d11_3
iLSCs_2
d11_2
iLSCs_1


cluster
in_vitro_LSCs
iLSCs_2
iLSCs_1
d11_3
d11_2
d11_1
multipotent3
multipotent2
multipotent1
pluripotent
−4
−2
0
2
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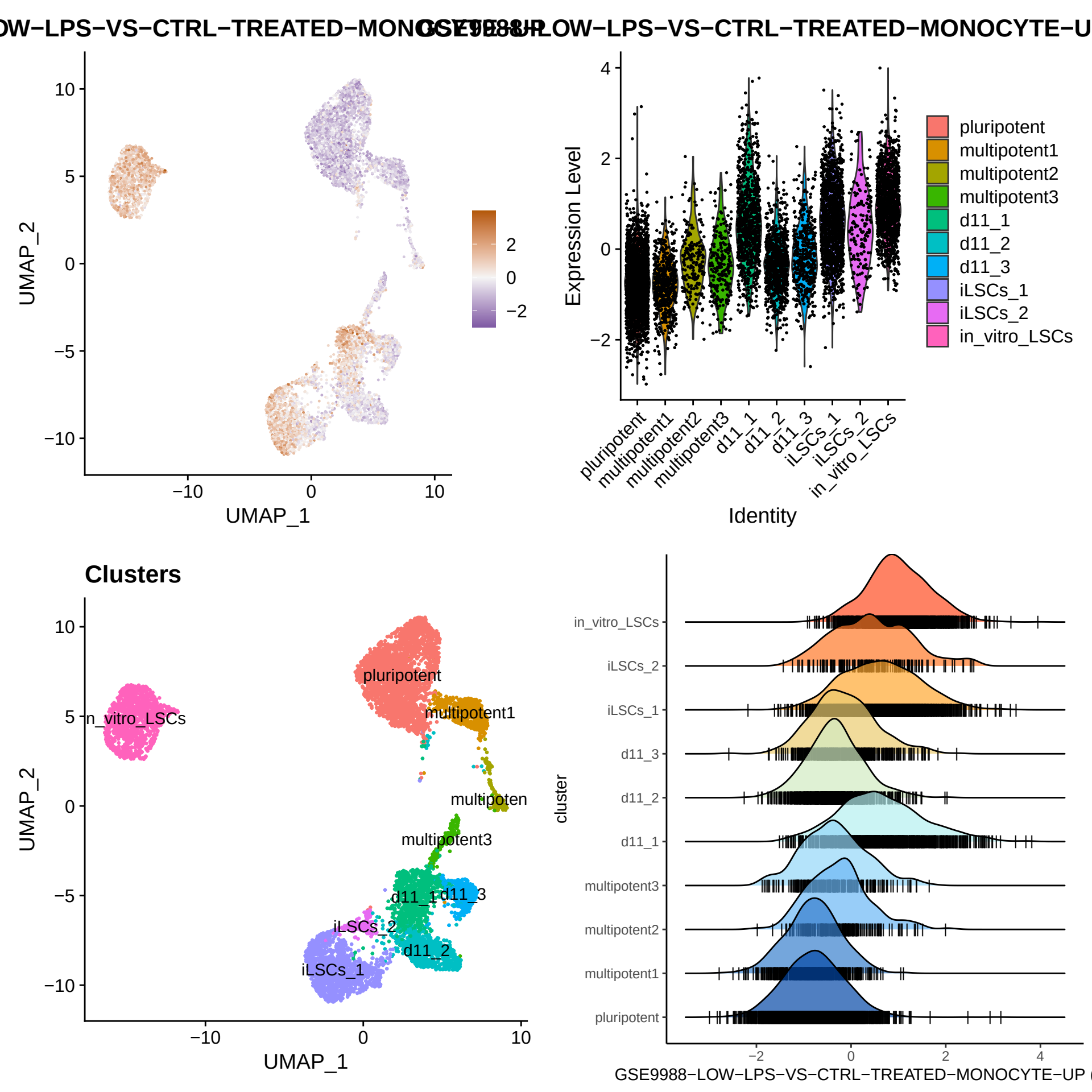
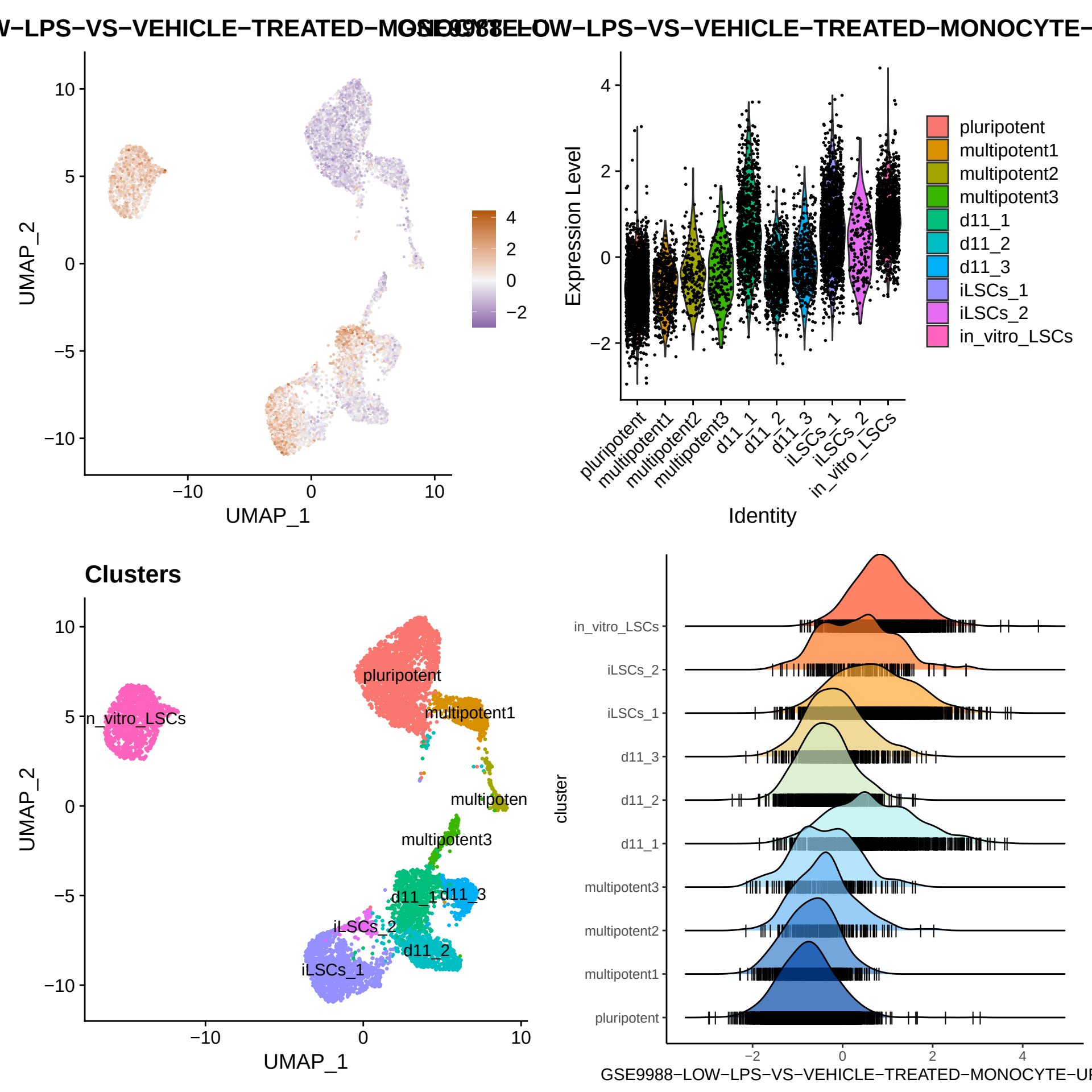
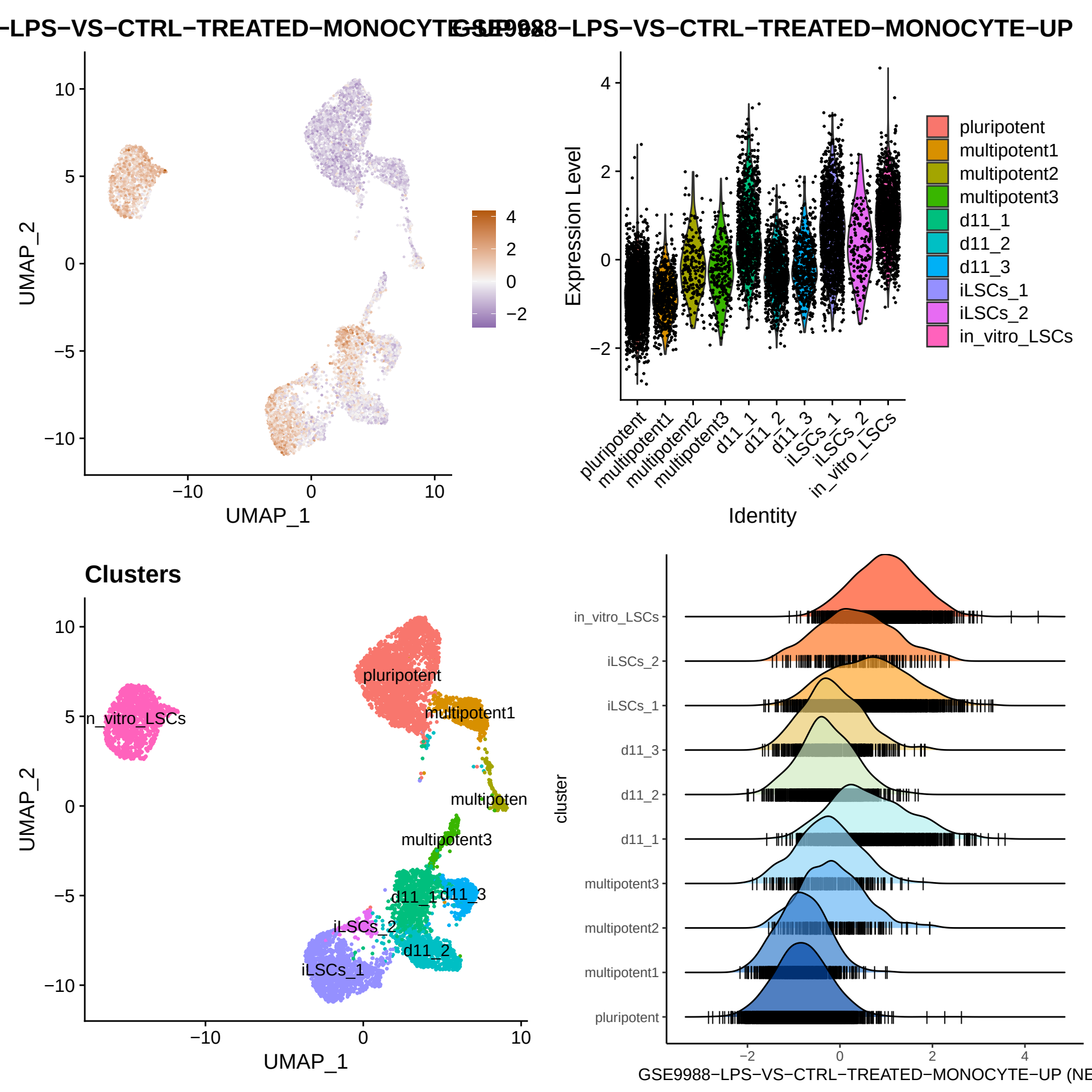
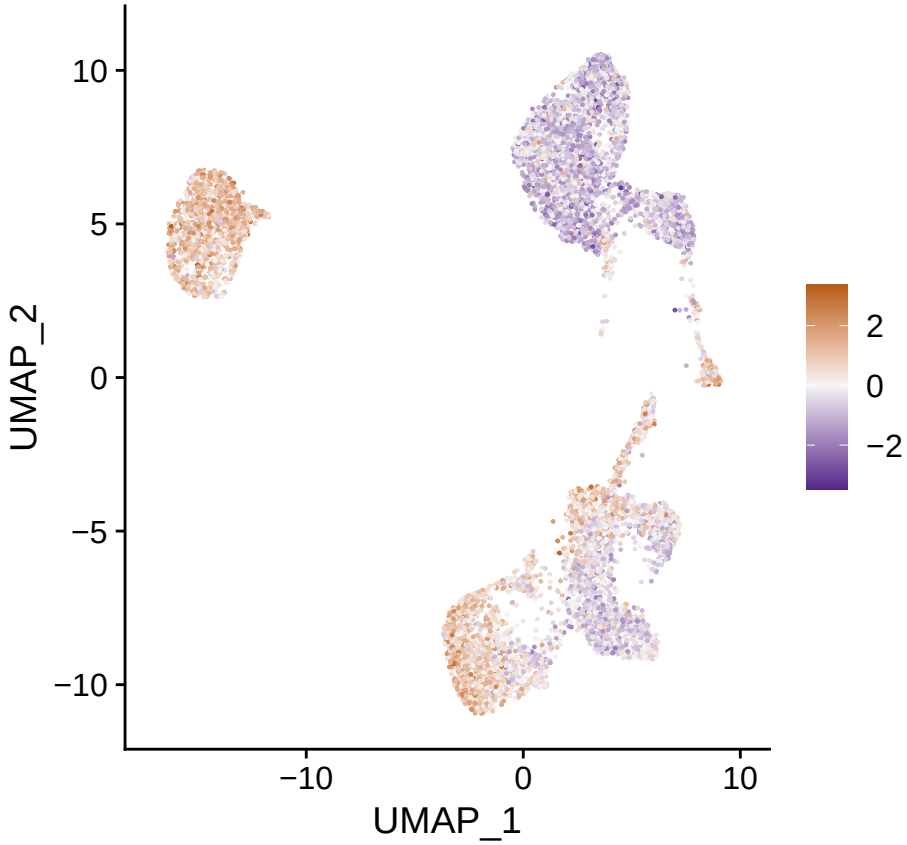

GSE9988-LOW-LPS-VS-CTRL-TREATED-MONOCYTE-UP
UMAP_2
UMAP_1
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
cluster


W−LPS−VS−VEHICLE−TREATED−MONOCYTE−
GSE9988−LOW−LPS−VS−VEHICLE−TREATED−MONOCYTE−
UMAP_2
UMAP_1
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
cluster
GSE9988−LOW−LPS−VS−VEHICLE−TREATED−MONOCYTE−UP


-LPS-VS-CTRL-TREATED-MONOCYTE-UP
GSE9988-LPS-VS-CTRL-TREATED-MONOCYTE-UP
UMAP_2
UMAP_1
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
in_vitro_LSCs
pluripotent
multipotent1
multipoten
multipotent3
d11_1
d11_3
iLSCs_2
d11_2
iLSCs_1
cluster
GSE9988-LPS-VS-CTRL-TREATED-MONOCYTE-UP (NE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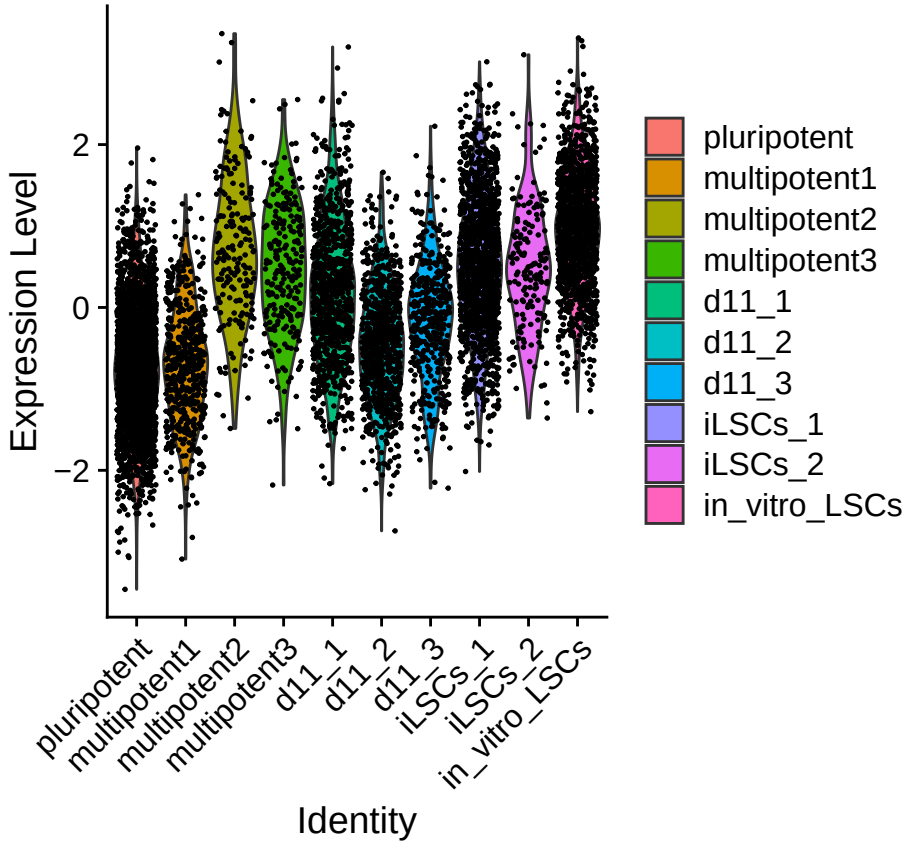
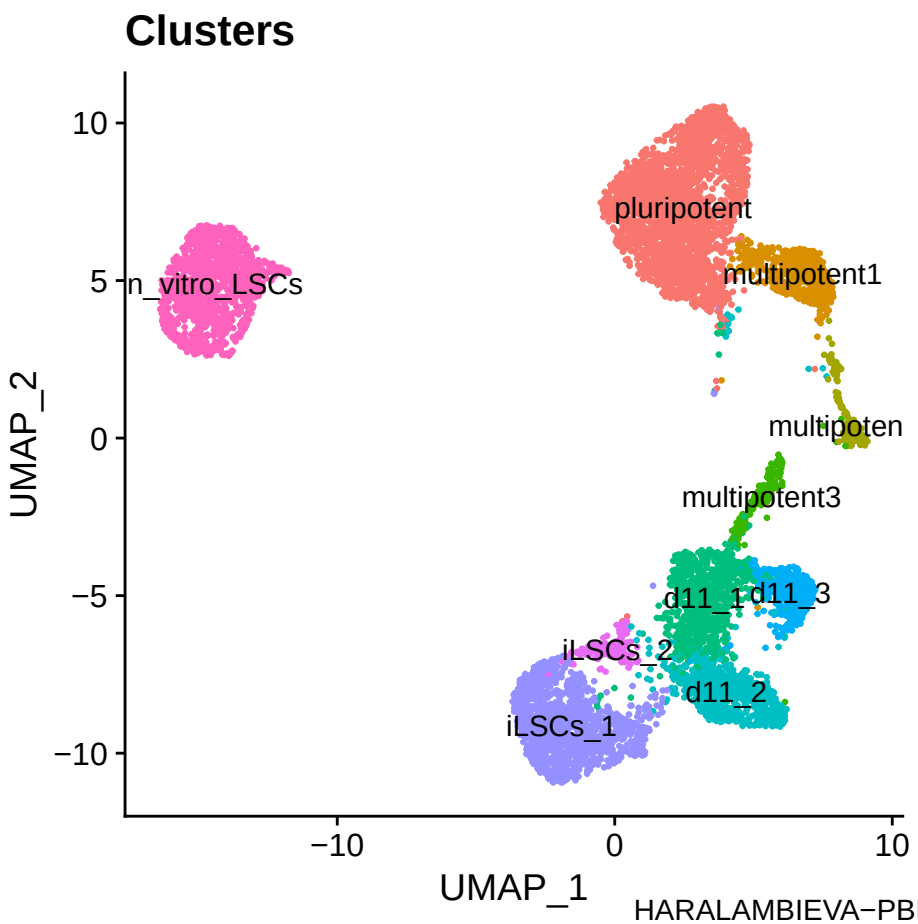
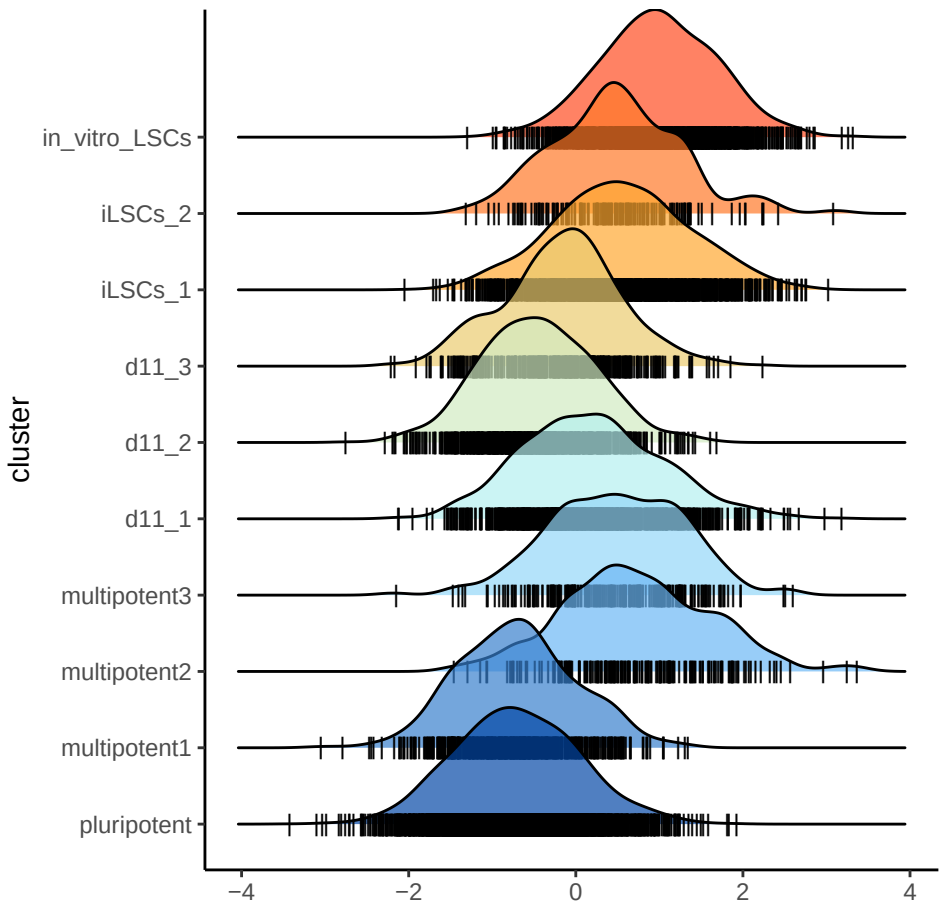
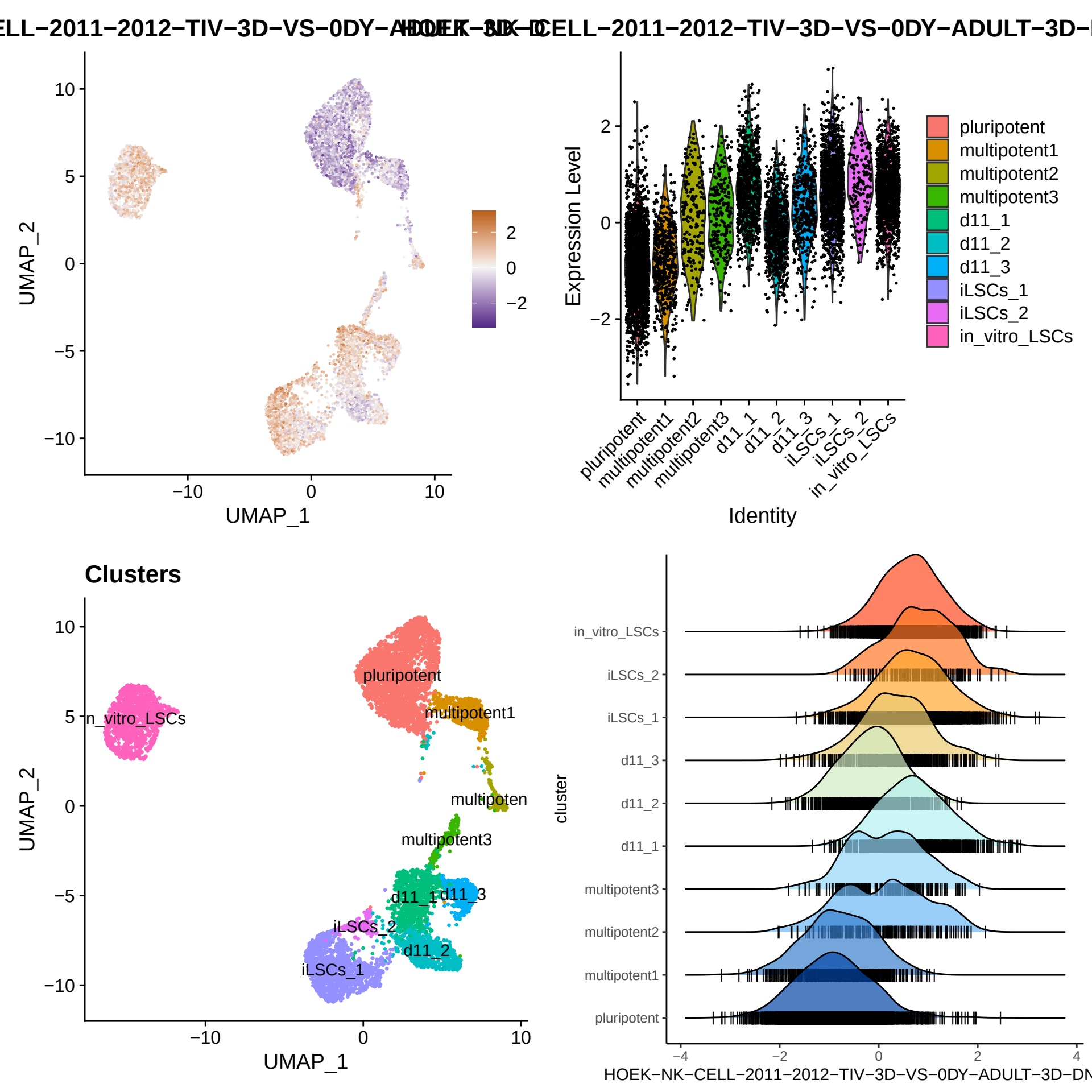
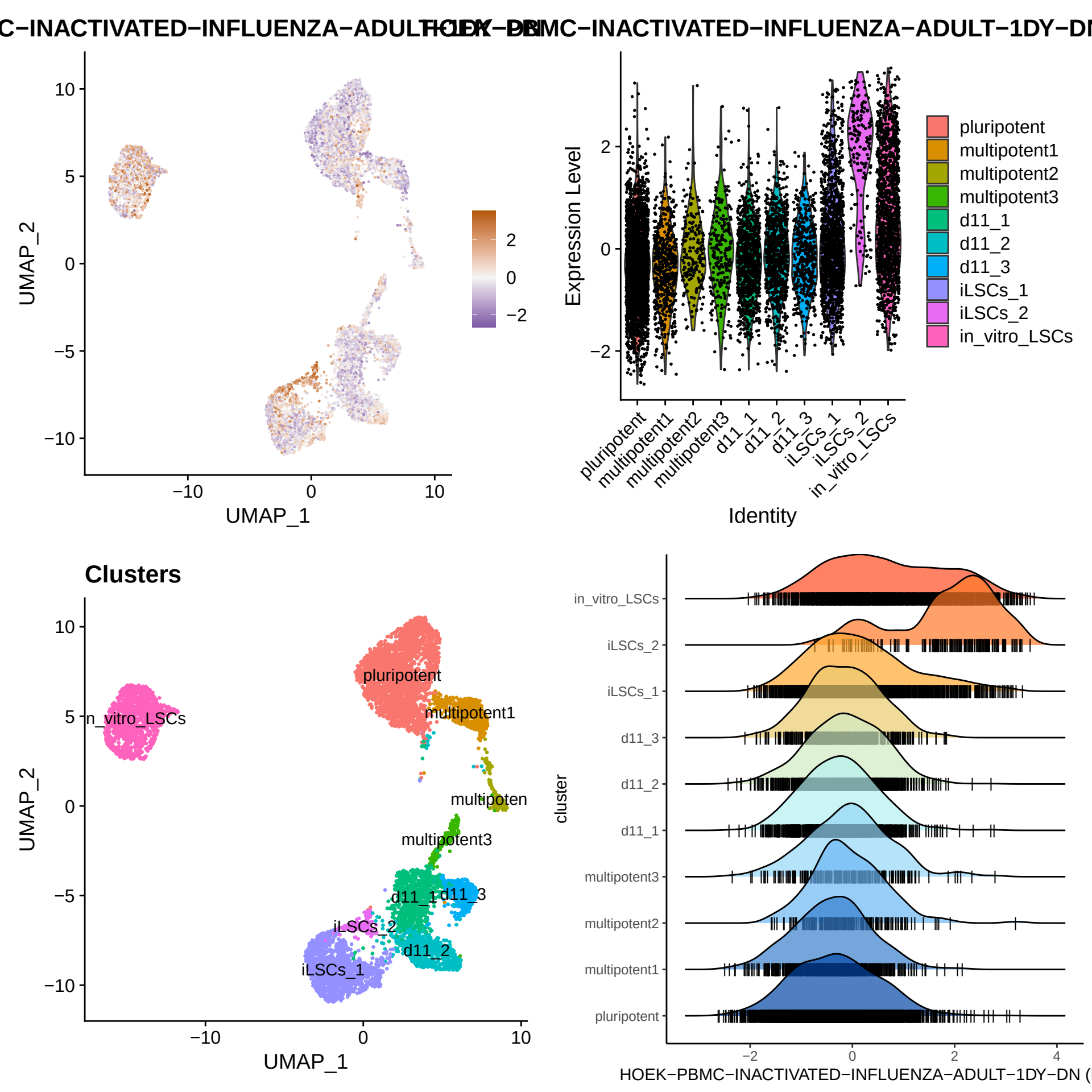
−5
−10
−10
0
10
2
0
−2

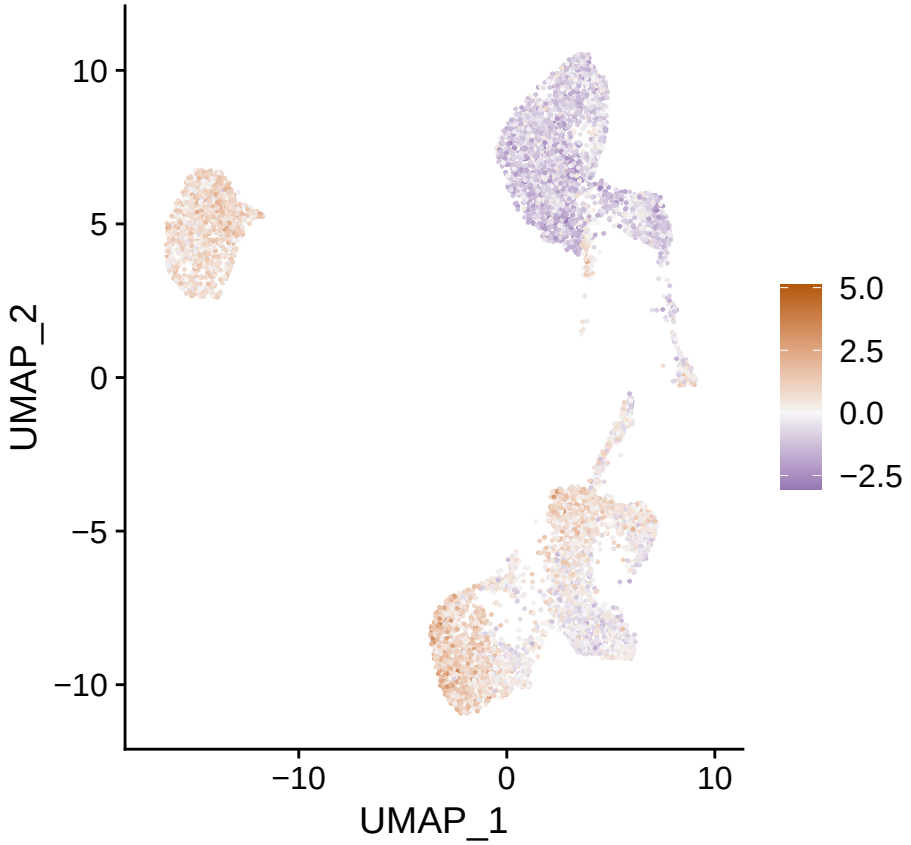

Expression Level
2
0
−2
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Identity


Clusters
UMAP_2
UMAP_1
10
5
0
−5
−10
−10
0
10
pluripotent
multipotent1
n_vitro_LSCs
multipoten
multipotent3
d11_1
d11_3
iLSCs_2
d11_2
iLSCs_1


cluster
in_vitro_LSCs
iLSCs_2
iLSCs_1
d11_3
d11_2
d11_1
multipotent3
multipotent2
multipotent1
pluripotent
−4
−2
0
2
4


HOEK−NK−CELL−2011−2012−TIV−3D−VS−0DY−ADULT−3D−DN
UMAP_2
UMAP_1
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
cluster


C−INACTIVATED−INFLUENZA−ADULT−1DY−DN
HOEK−PBMC−INACTIVATED−INFLUENZA−ADULT−1DY−DN
UMAP_2
UMAP_1
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
cluster
HOEK−PBMC−INACTIVATED−INFLUENZA−ADULT−1DY−DN (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UMAP_1
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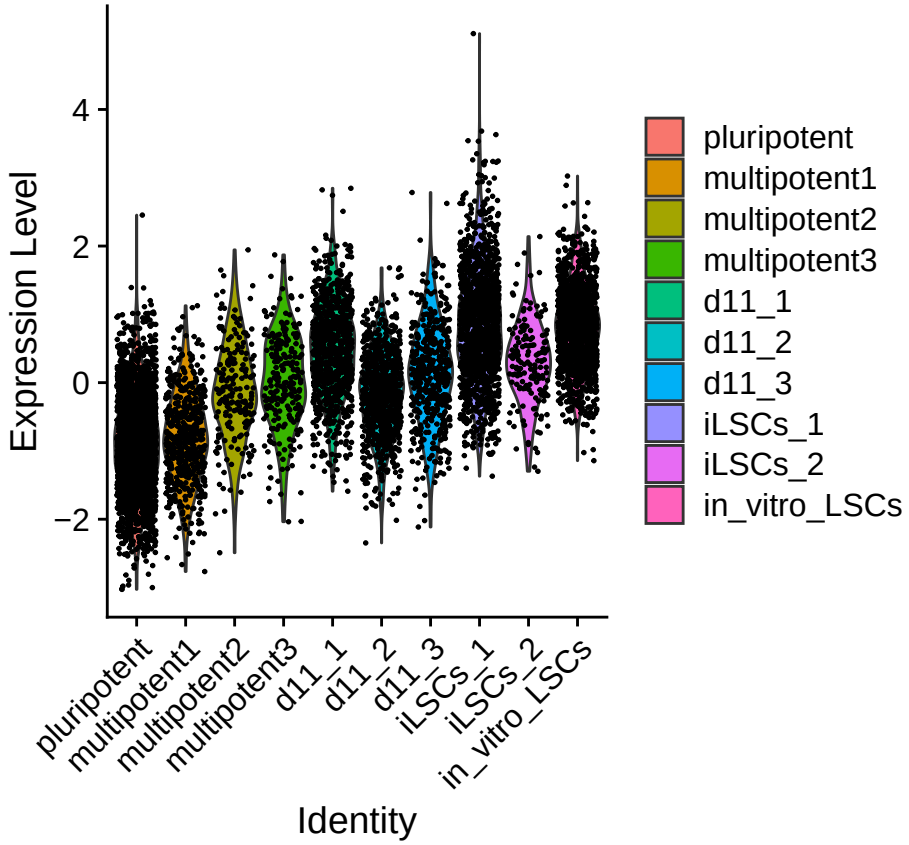
5
0
−5
−10
−10
0
10
5.0
2.5
0.0
−2.5


Expression Level
4
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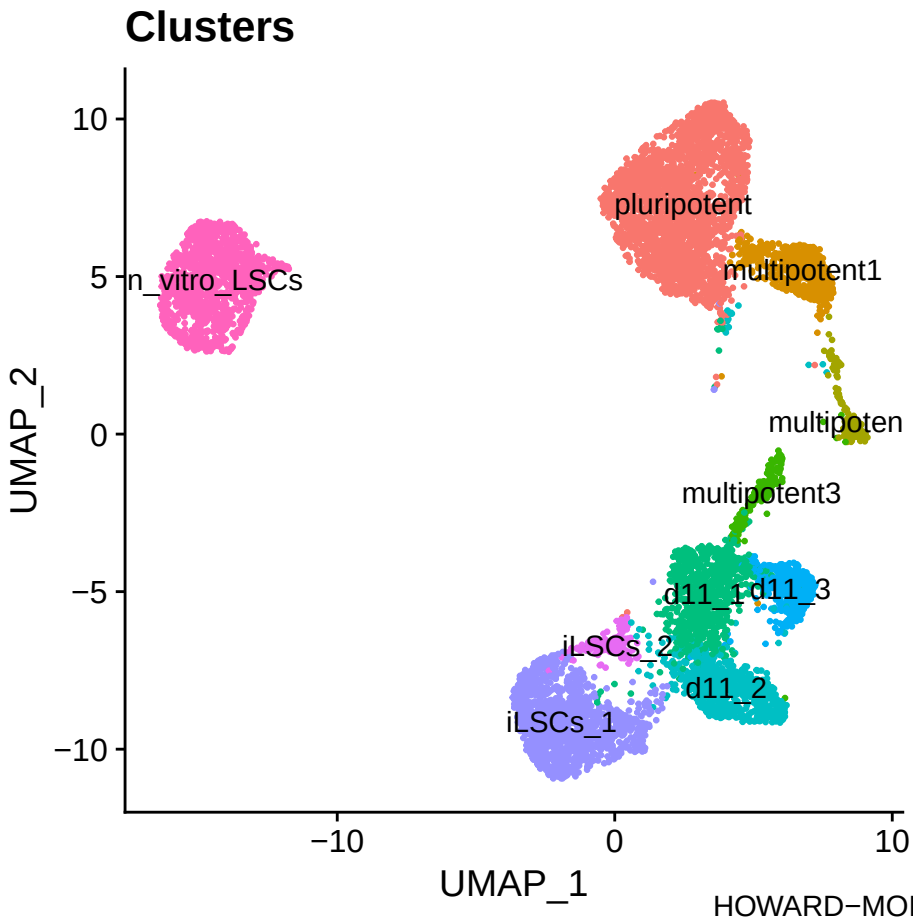
−2
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Identity


Clusters
UMAP_2
UMAP_1
10
5
0
−5
−10
−10
0
10
pluripotent
multipotent1
multipoten
multipotent3
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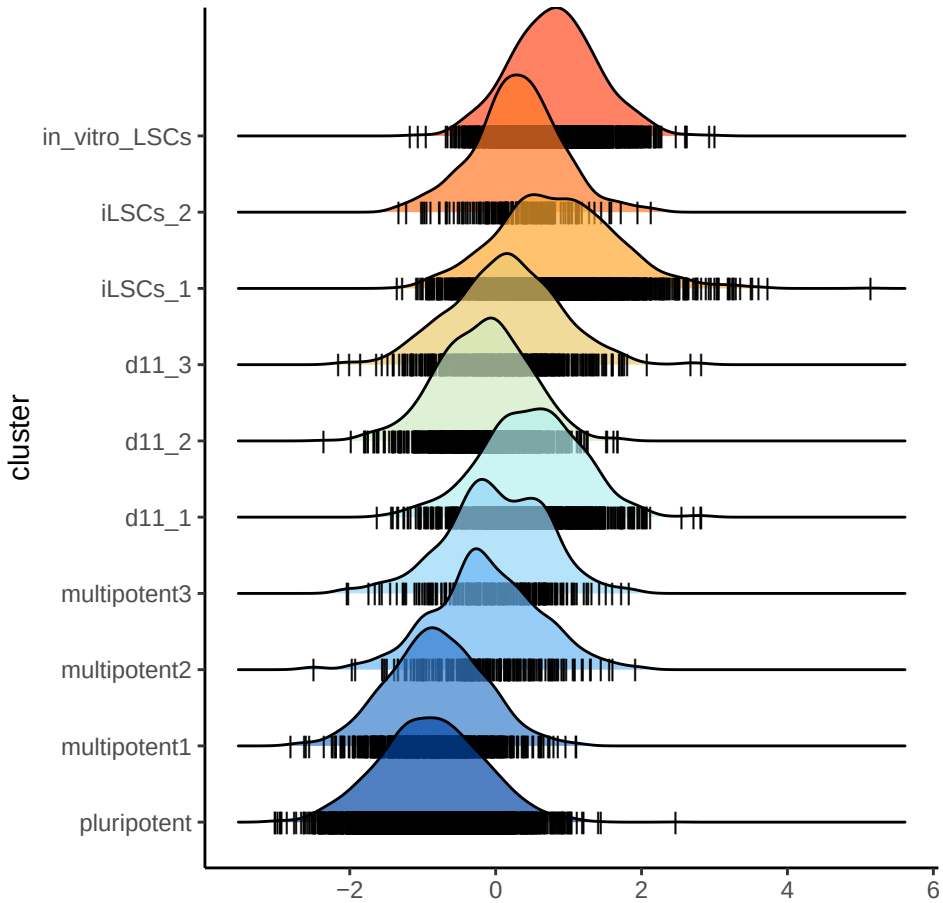
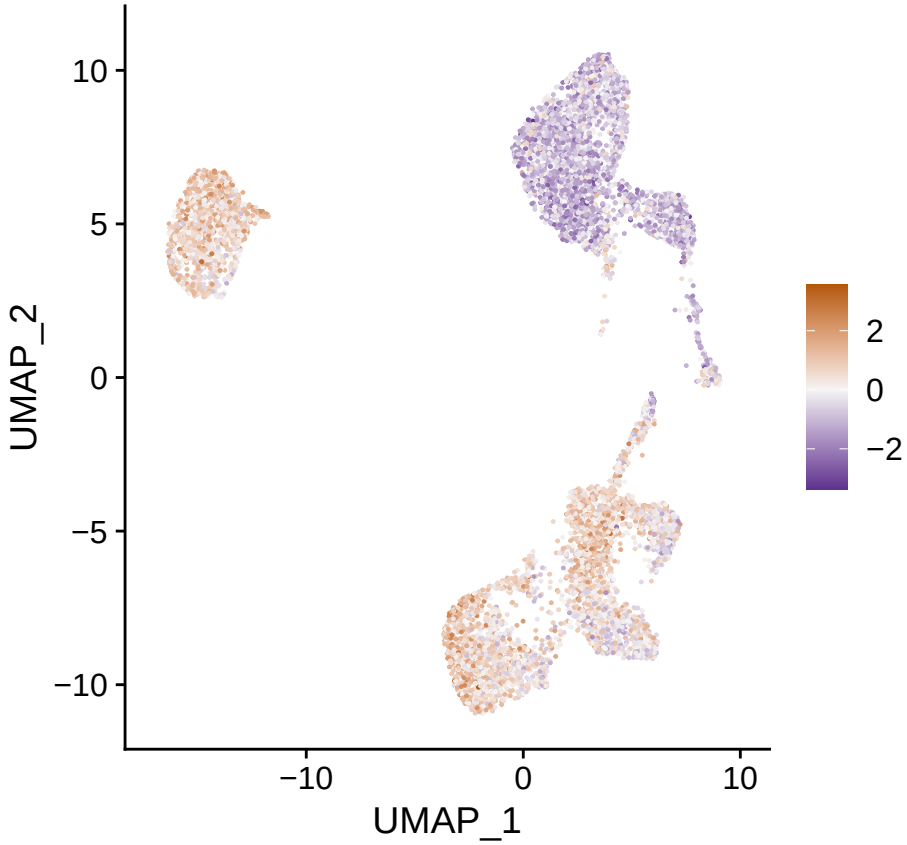
iLSCs_2
d11_2
iLSCs_1
in_vitro_LSCs


cluster
in_vitro_LSCs
iLSCs_2
iLSCs_1
d11_3
d11_2
d11_1
multipotent3
multipotent2
multipotent1
pluripotent
−2
0
2
4
6


UMAP_2
UMAP_1
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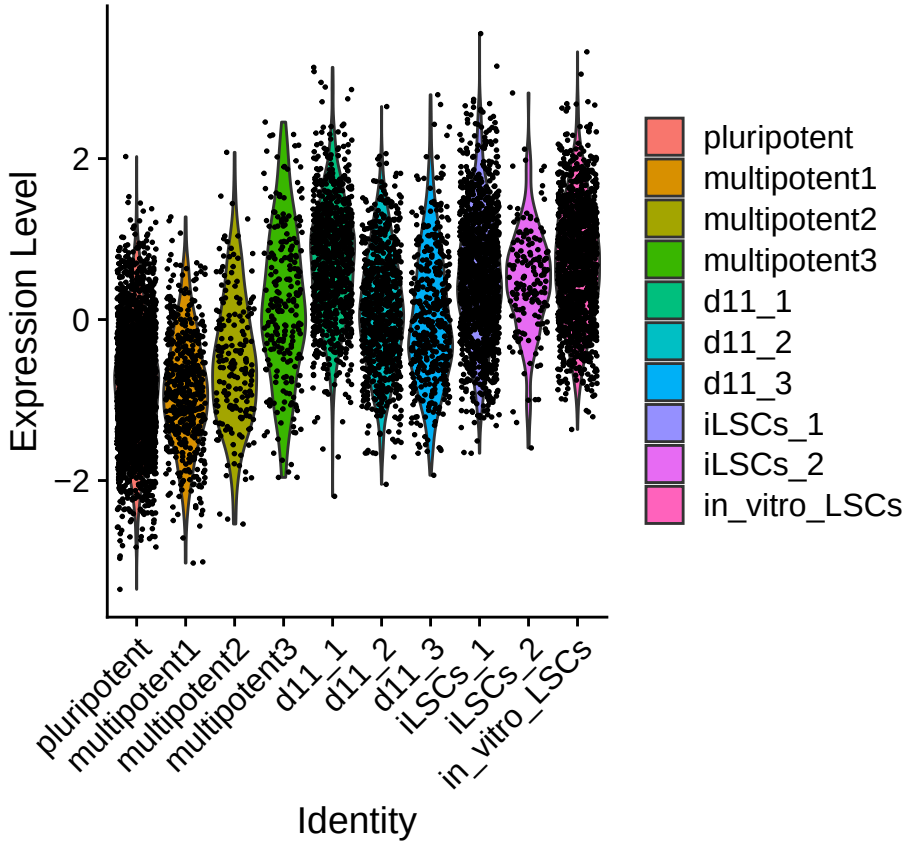
−5
−10
−10
0
10
2
0
−2


Expression Level
2
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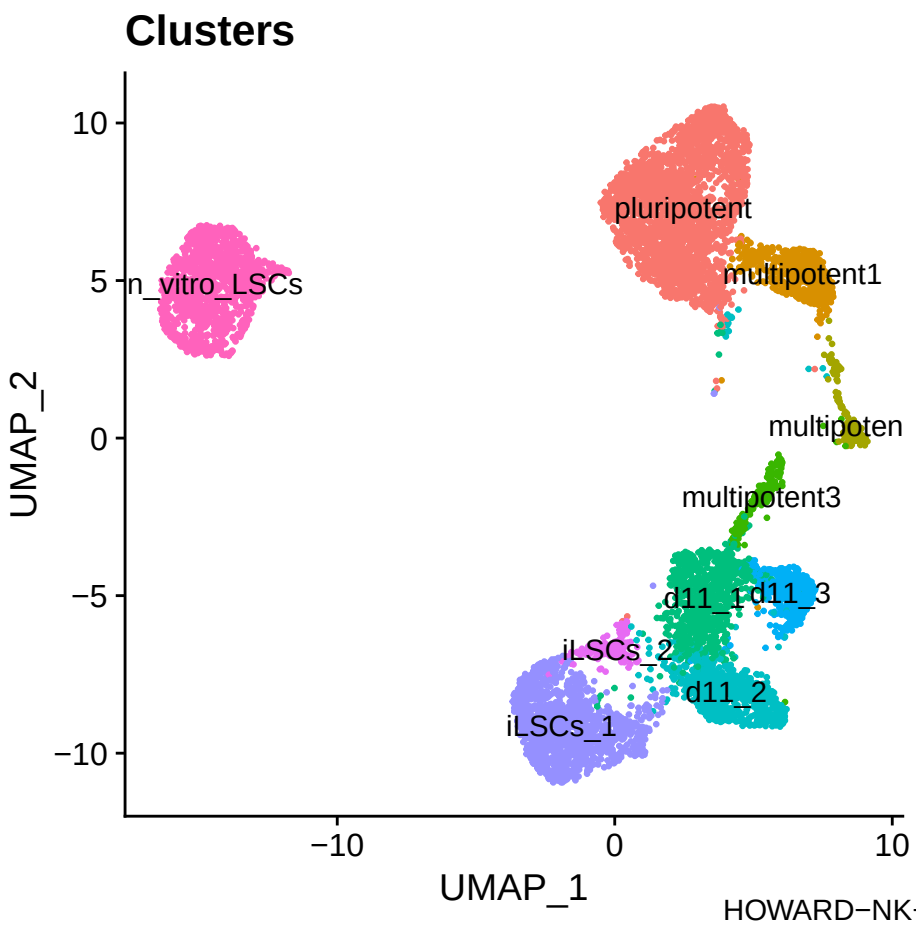
−2
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Identity


Clusters
UMAP_2
UMAP_1
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−5
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−10
0
10
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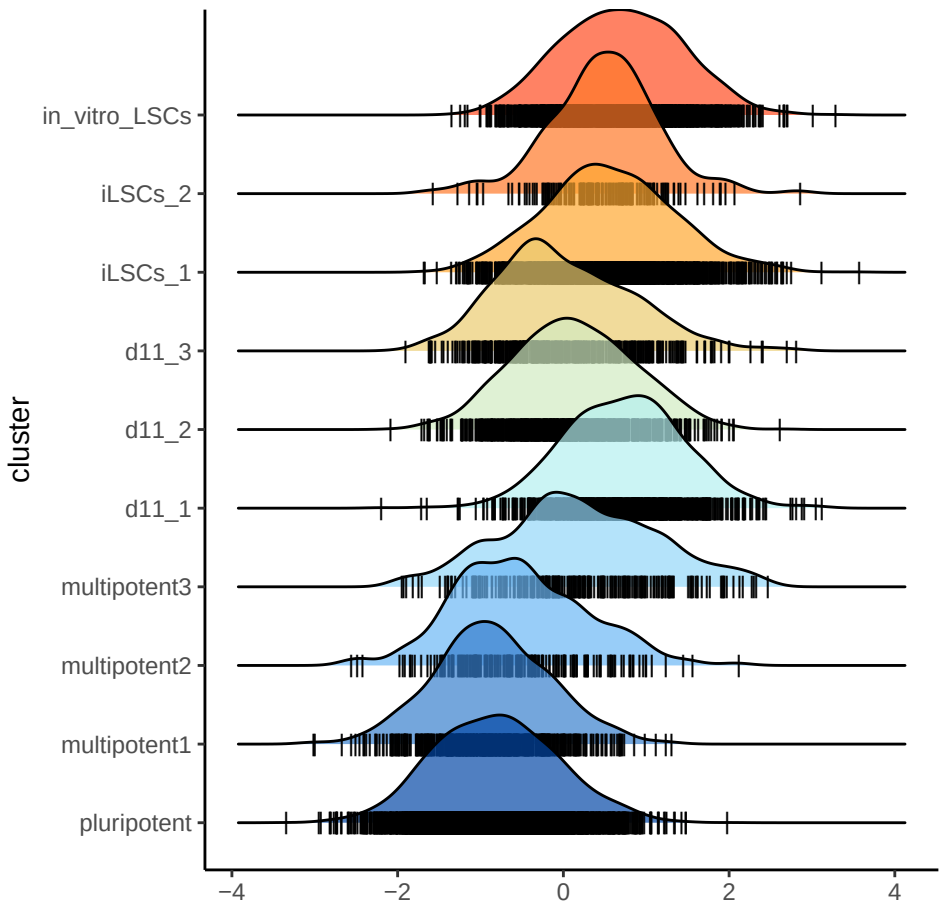
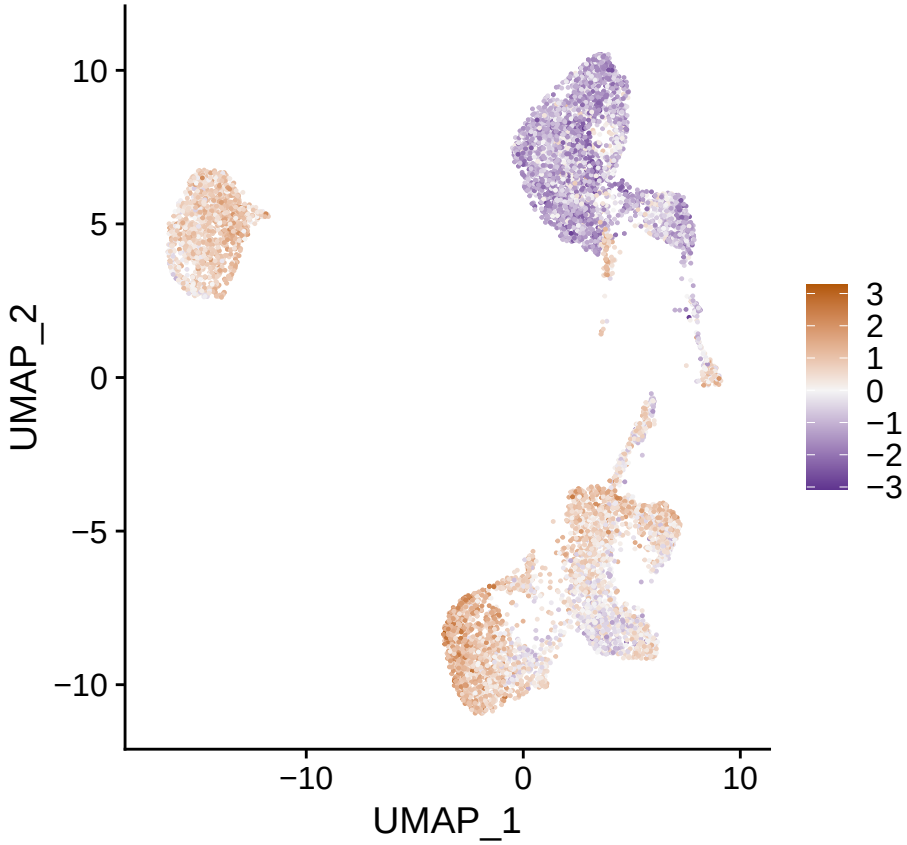
multipotent1
in_vitro_LSCs
multipoten
multipotent3
d11_1
d11_3
iLSCs_2
d11_2
iLSCs_1


cluster
in_vitro_LSCs
iLSCs_2
iLSCs_1
d11_3
d11_2
d11_1
multipotent3
multipotent2
multipotent1
pluripotent
−4
−2
0
2
4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UMAP_1
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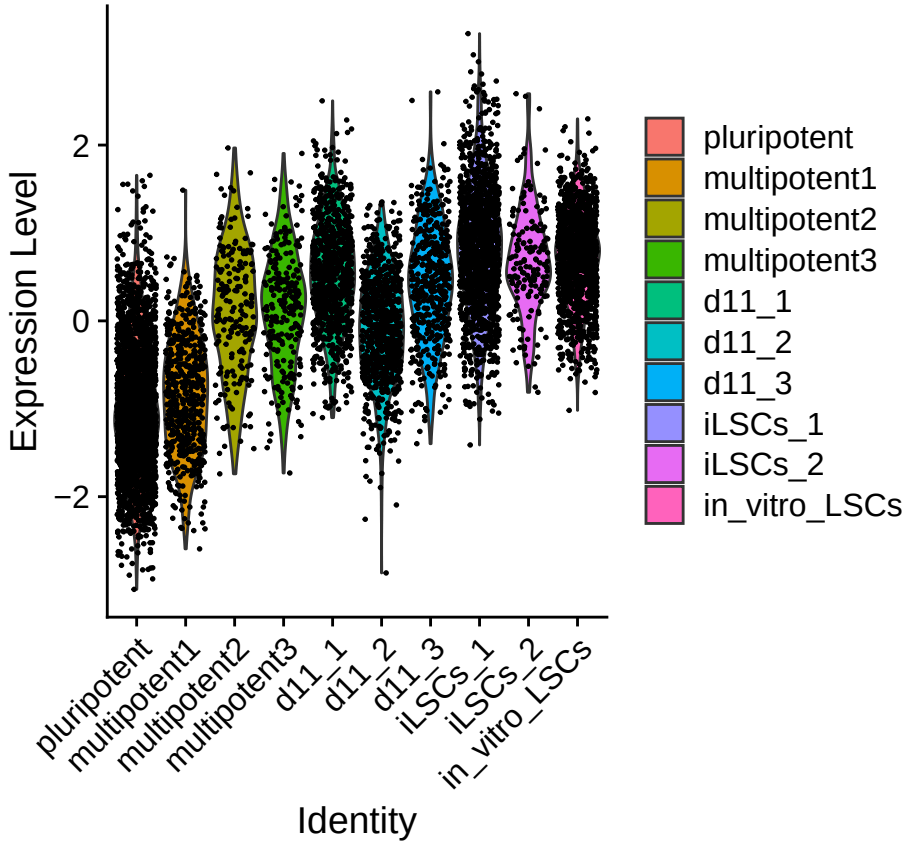
10
3
2
1
0
−1
−2
−3


Expression Level
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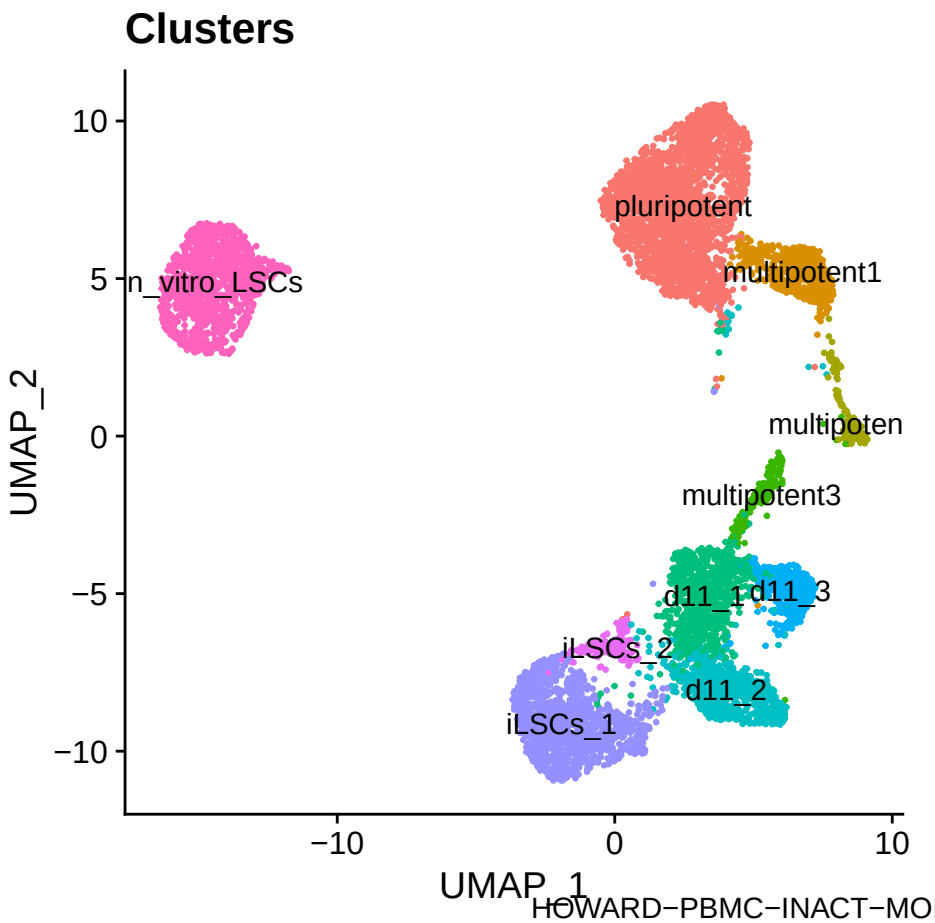
−2
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Identity


Clusters
UMAP_2
UMAP_1
10
5
0
−5
−10
−10
0
10
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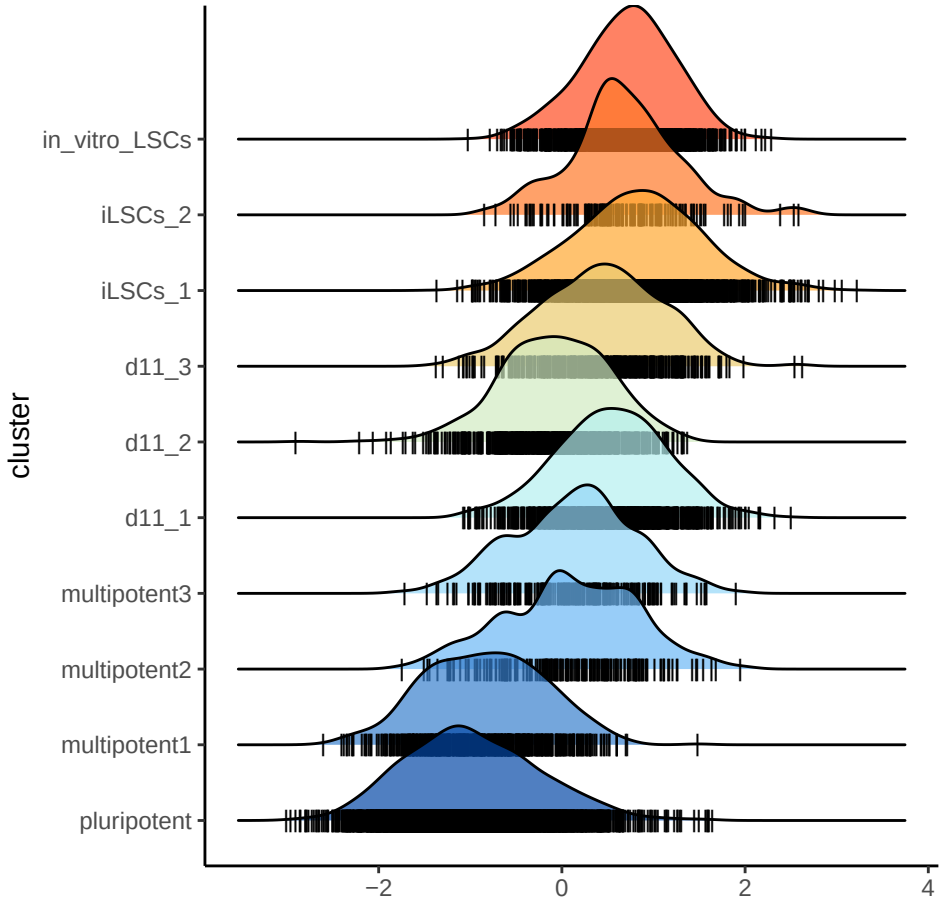
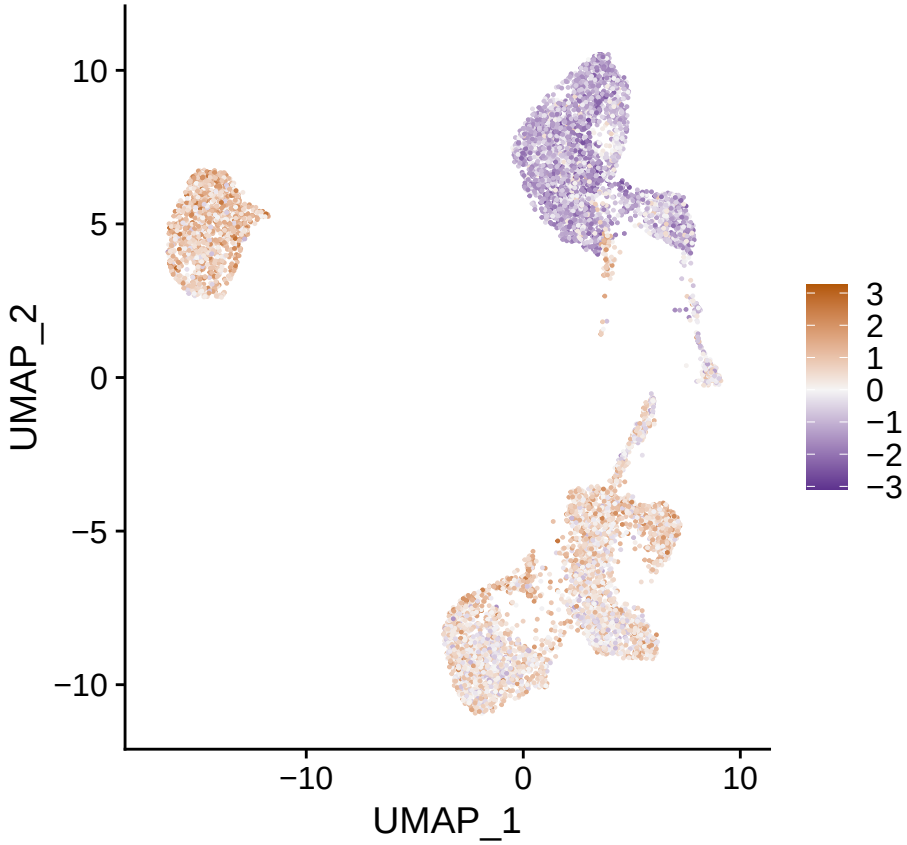
multipotent1
in_vitro_LSCs
multipoten
multipotent3
d11_1
d11_3
iLSCs_2
d11_2
iLSCs_1


cluster
in_vitro_LSCs
iLSCs_2
iLSCs_1
d11_3
d11_2
d11_1
multipotent3
multipotent2
multipotent1
pluripotent
−2
0
2
4


UMAP_2
UMAP_1
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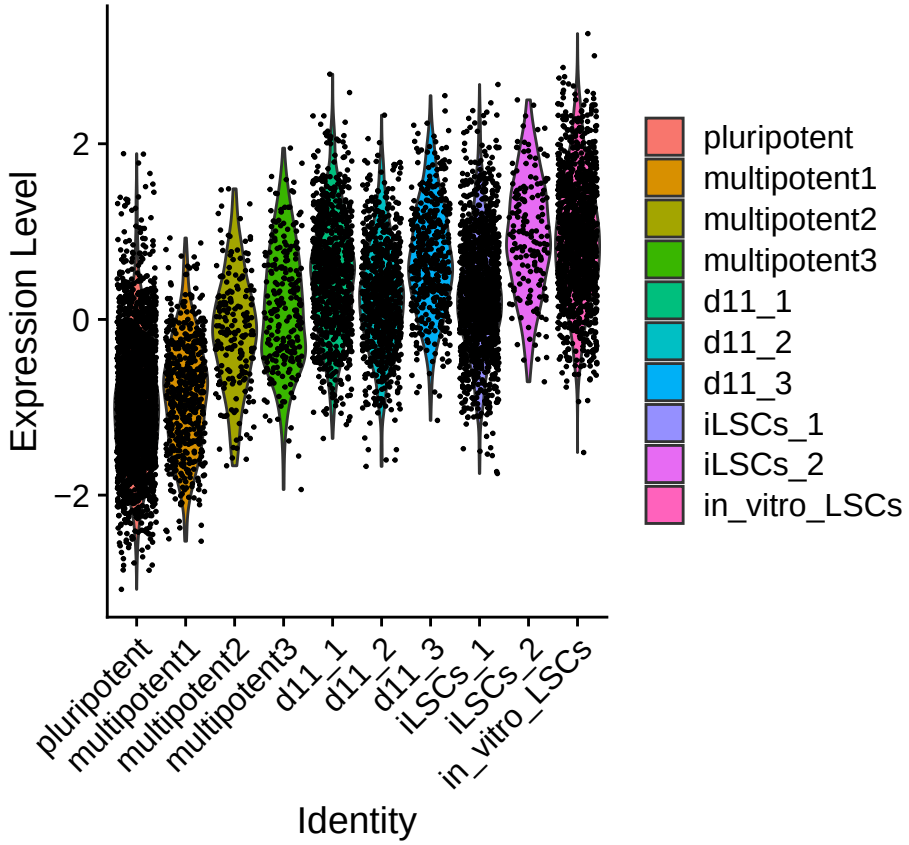
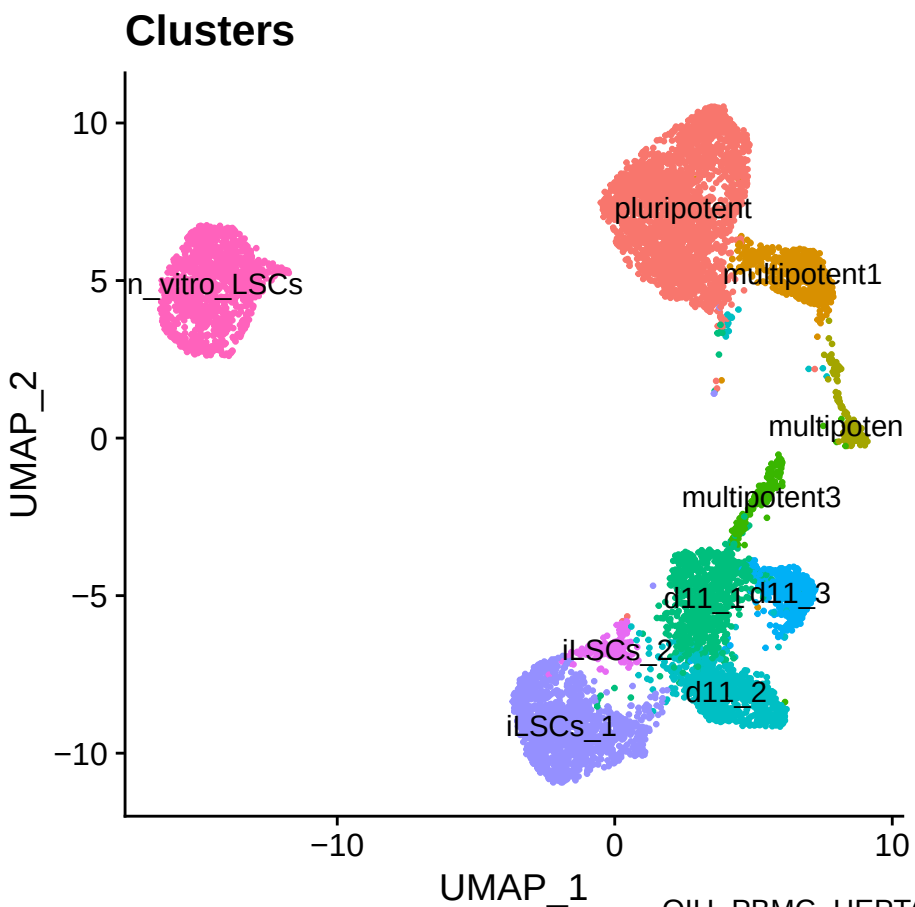
5
0
−5
−10
−10
0
10
3
2
1
0
−1
−2
−3


Expression Level
2
0
−2
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Identity


Clusters
UMAP_2
UMAP_1
10
5
0
−5
−10
−10
0
10
pluripotent
multipotent1
multipoten
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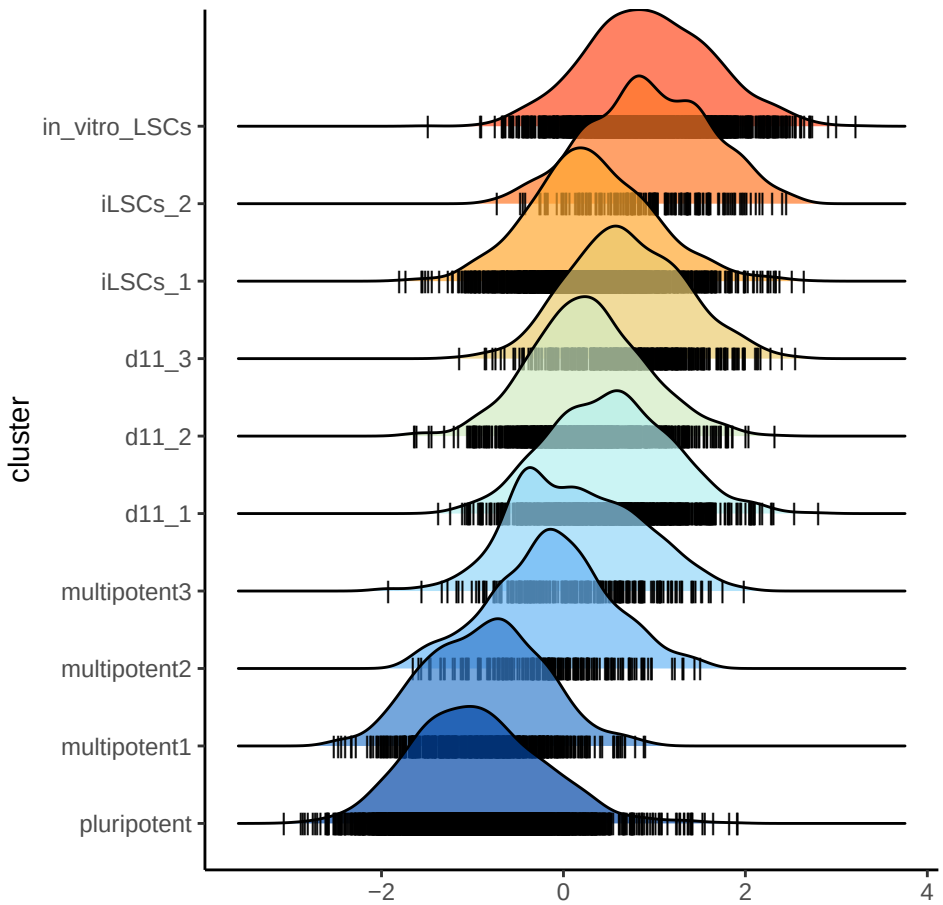
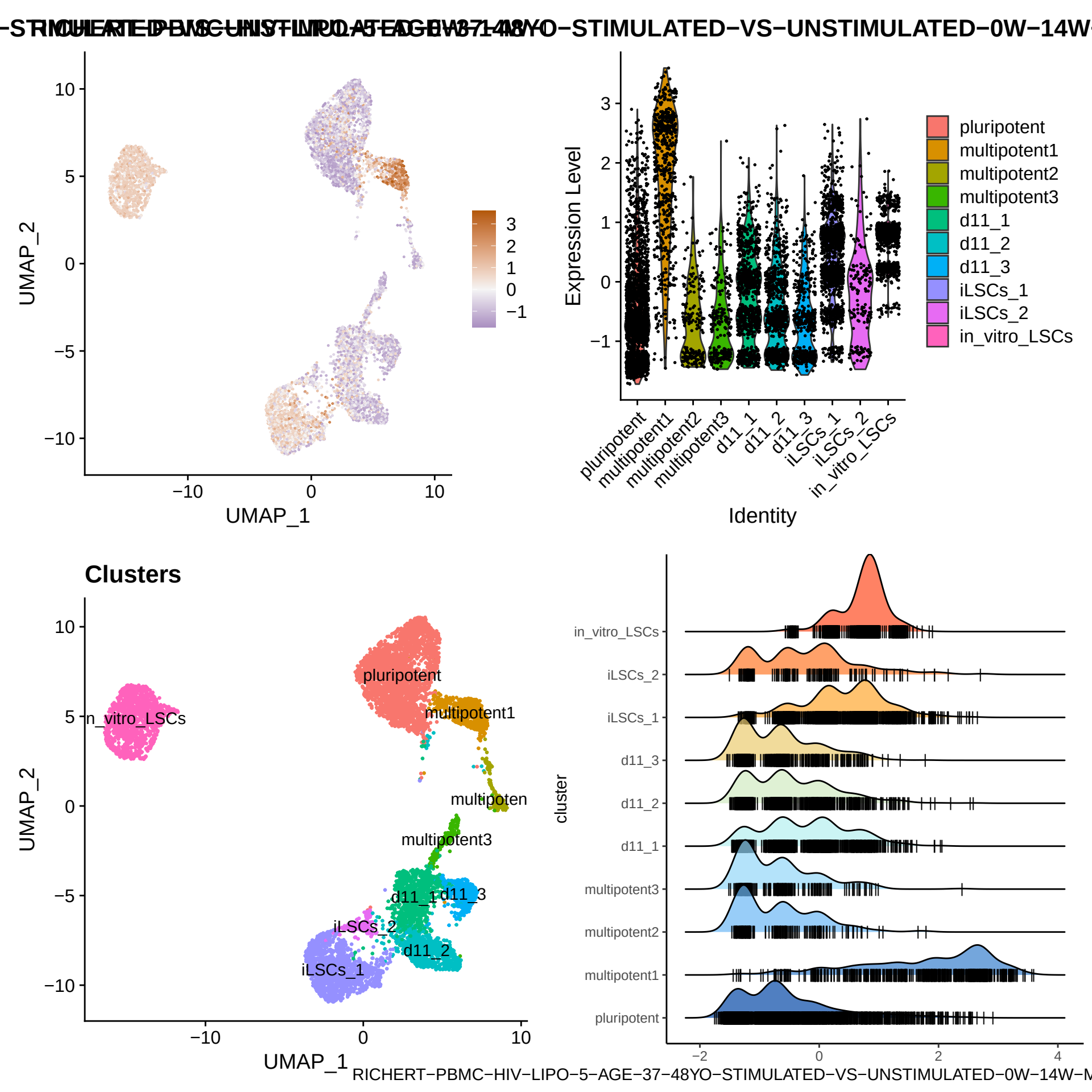
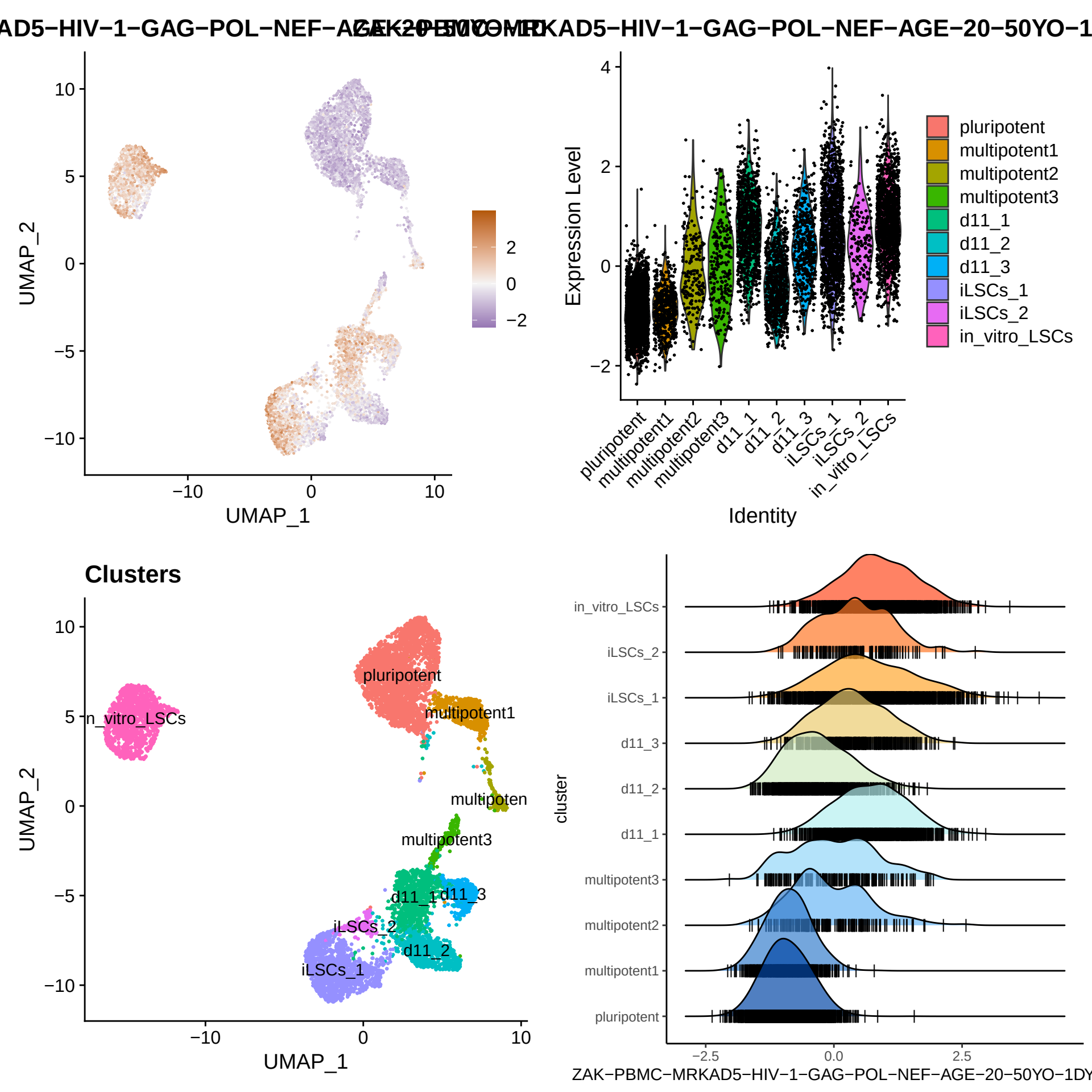
iLSCs_2
d11_2
iLSCs_1
n_vitro_LSCs


cluster
in_vitro_LSCs
iLSCs_2
iLSCs_1
d11_3
d11_2
d11_1
multipotent3
multipotent2
multipotent1
pluripotent
−2
0
2
4


RICHERT-PBMC-HIV-LIPO-5-AGE-37-48YO-STIMULATED-VS-UNSTIMULATED-0W-14W-M
UMAP_2
UMAP_1
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
cluster


AD5−HIV−1−GAG−POL−NEF−AGE−20−50YO−1
ZAK−PBMC−MRKAD5−HIV−1−GAG−POL−NEF−AGE−20−50YO−1
UMAP_2
UMAP_1
Expression Level
Identity
pluripotent
multipotent1
multipotent2
multipotent3
d11_1
d11_2
d11_3
iLSCs_1
iLSCs_2
in_vitro_LSCs
Clusters
cluster
ZAK−PBMC−MRKAD5−HIV−1−GAG−POL−NEF−AGE−20−50YO−1DY