

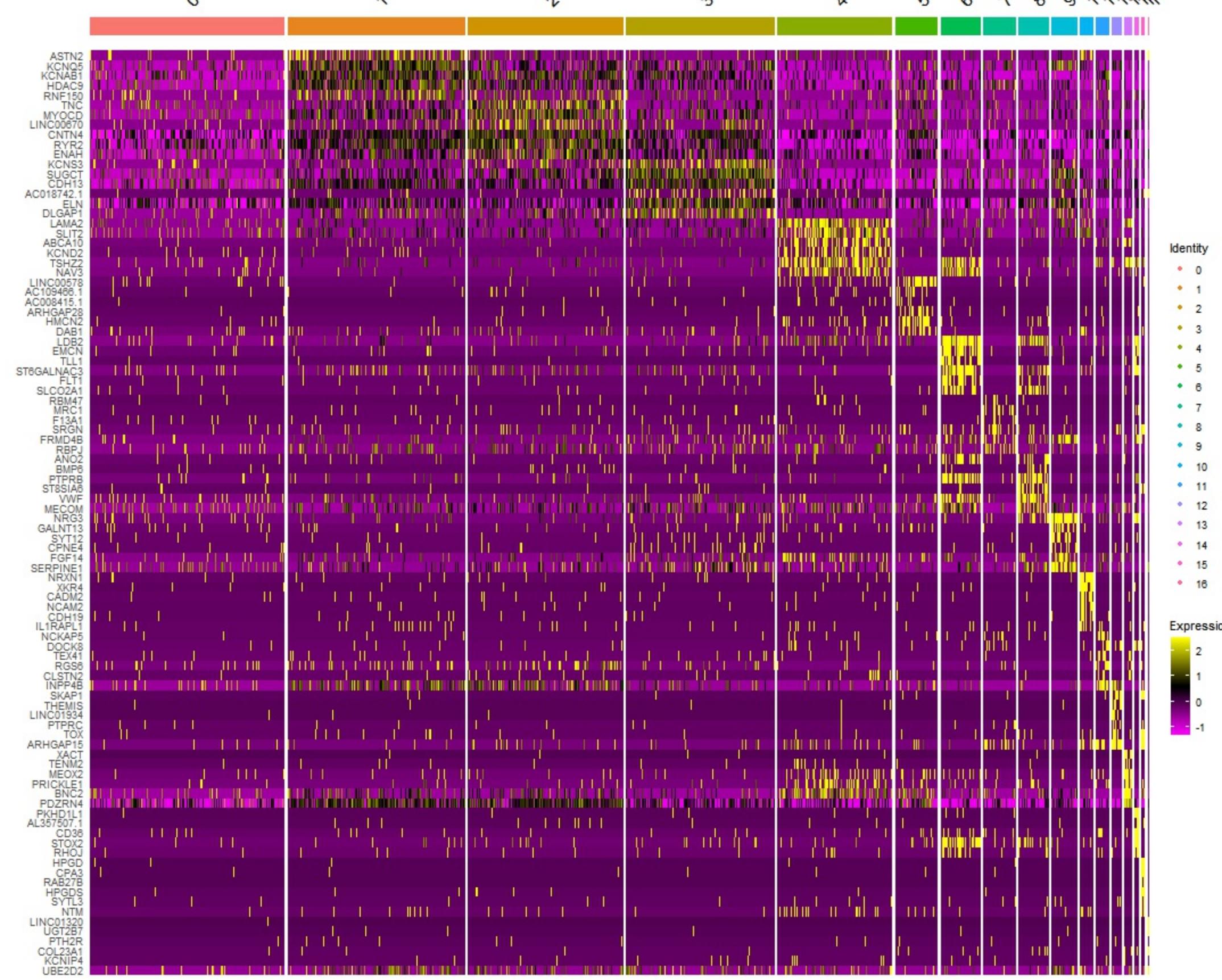
Clustering and Cell Identity Report: MH6

For interactive report, load RData output here: (https://saezlab.shinyapps.io/cluster_identity_report)

Script options

```
Input File: ... /pipeline_output/s01_qc_processing.Rdata
Output Directory: ... /pipeline_output
Number of Principle Components: 23
Resolution for Clustering: 0.5
```

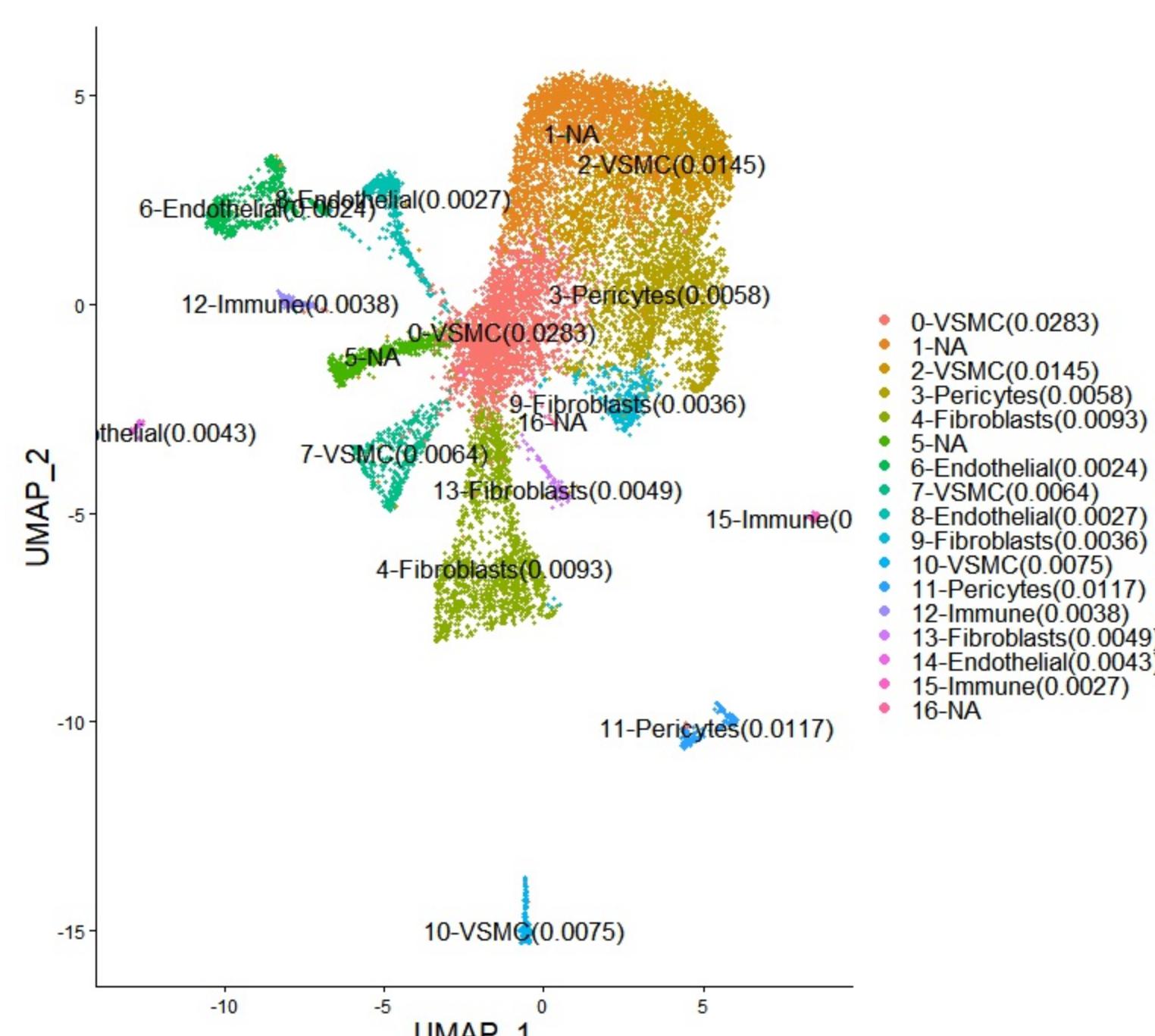
Heatmap of Differential Features



Cell Type Markers

cluster	label1	label2	label3	label
0	VSMC(0.0283)	Fibroblasts(0.0189)	NA	0-VSMC(0.0283)
1	NA	NA	NA	1-NA
2	VSMC(0.0145)	NA	NA	2-VSMC(0.0145)
3	Pericytes(0.0058)	NA	NA	3-Pericytes(0.0058)
4	Fibroblasts(0.0093)	NA	NA	4-Fibroblasts(0.0093)
5	NA	NA	NA	5-NA
6	Endothelial(0.0024)	NA	NA	6-Endothelial(0.0024)
7	VSMC(0.0064)	Immune(0.0064)	NA	7-VSMC(0.0064)
8	Endothelial(0.0027)	NA	NA	8-Endothelial(0.0027)
9	Fibroblasts(0.0036)	NA	NA	9-Fibroblasts(0.0036)
10	VSMC(0.0075)	NA	NA	10-VSMC(0.0075)
11	Pericytes(0.0117)	VSMC(0.0039)	Endothelial(0.0039)	11-Pericytes(0.0117)
12	Immune(0.0038)	NA	NA	12-Immune(0.0038)
13	Fibroblasts(0.0049)	NA	NA	13-Fibroblasts(0.0049)
14	Endothelial(0.0043)	NA	NA	14-Endothelial(0.0043)
15	Immune(0.0027)	NA	NA	15-Immune(0.0027)
16	NA	NA	NA	16-NA

UMAP Clustering



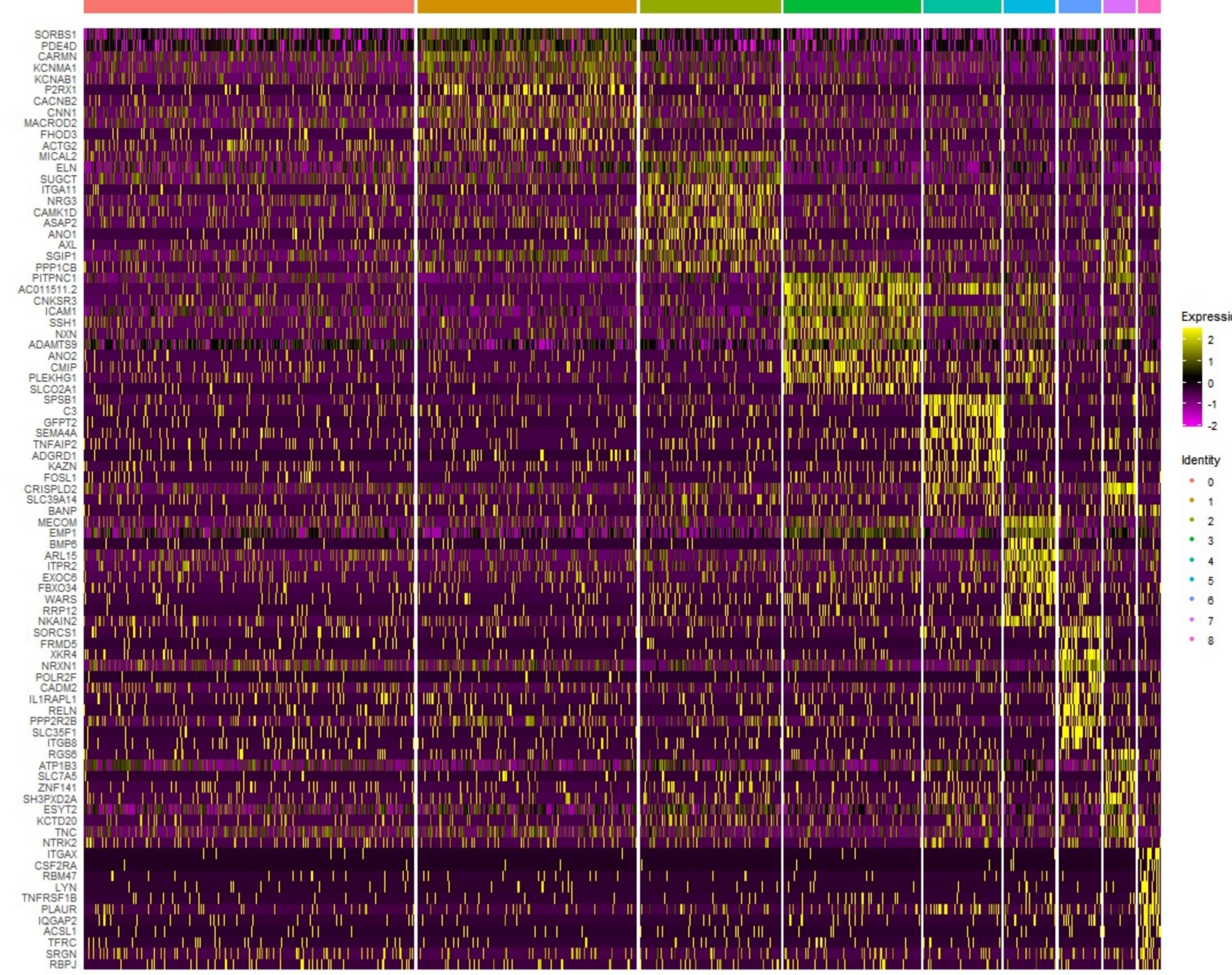
Clustering and Cell Identity Report: MH7

For interactive report, load RData output here: (https://saezlab.shinyapps.io/cluster_identity_report)

Script options

```
Input File: ... /pipeline_output/s01_qc_processing.Rdata
Output Directory: ... /pipeline_output
Number of Principle Components: 9
Resolution for Clustering: 0.5
```

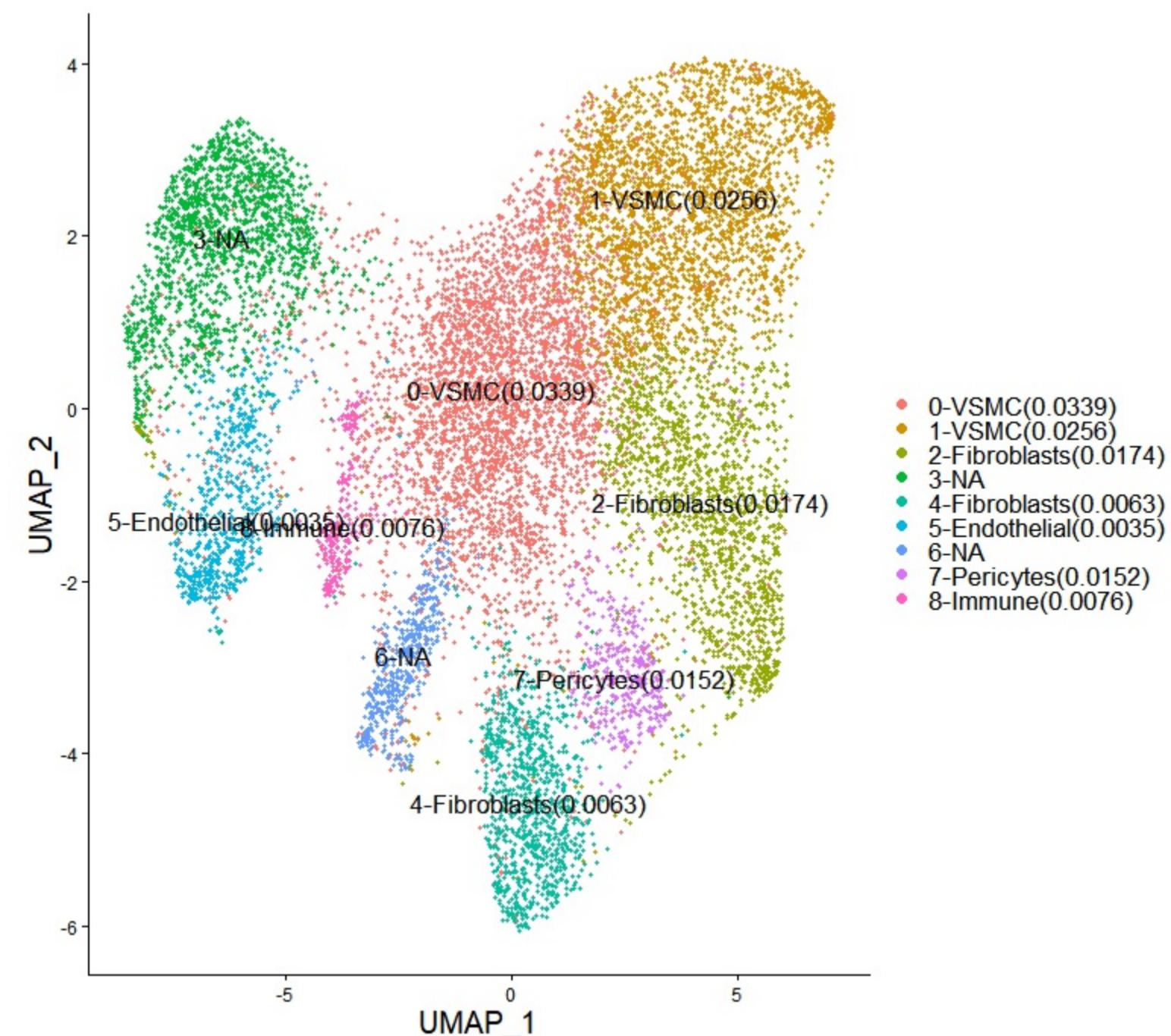
Heatmap of Differential Features



Cell Type Markers

cluster	label1	label2	label3	label
0	VSMC(0.0339)	NA	NA	0-VSMC(0.0339)
1	VSMC(0.0256)	NA	NA	1-VSMC(0.0256)
2	Fibroblasts(0.0174)	Pericytes(0.0087)	NA	2-Fibroblasts(0.0174)
3	NA	NA	NA	3-NA
4	Fibroblasts(0.0063)	NA	NA	4-Fibroblasts(0.0063)
5	Endothelial(0.0035)	NA	NA	5-Endothelial(0.0035)
6	NA	NA	NA	6-NA
7	Pericytes(0.0152)	NA	NA	7-Pericytes(0.0152)
8	Immune(0.0076)	NA	NA	8-Immune(0.0076)

UMAP Clustering



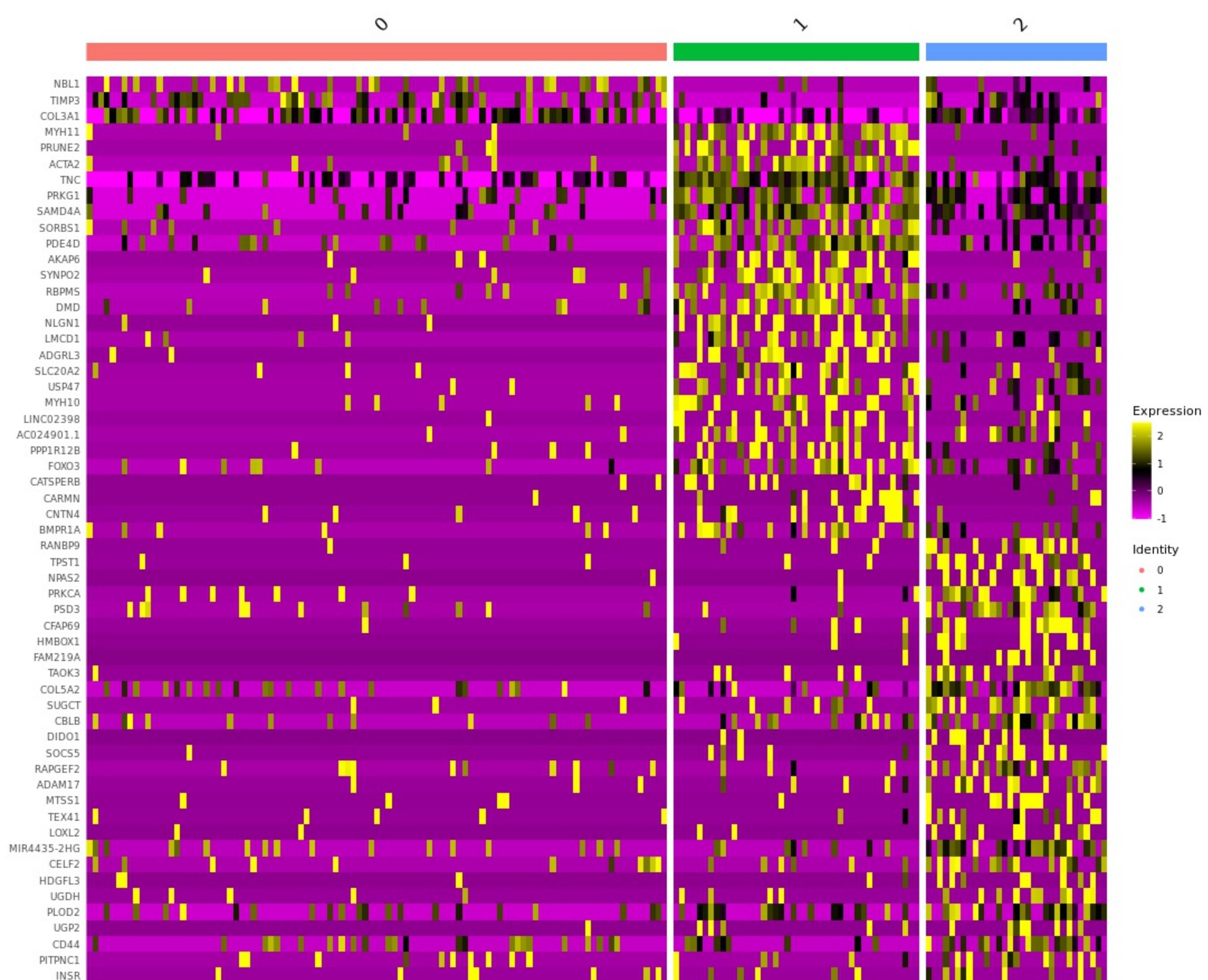
Clustering and Cell Identity Report: MH11

For interactive report, load RData output here: (https://saezlab.shinyapps.io/cluster_identity_report)

Script options

Input File: ...
/pipeline_output/s01_qc_processing.Rdata
Output Directory: ... /pipeline_output
Number of Principle Components: 11
Resolution for Clustering: 0.5

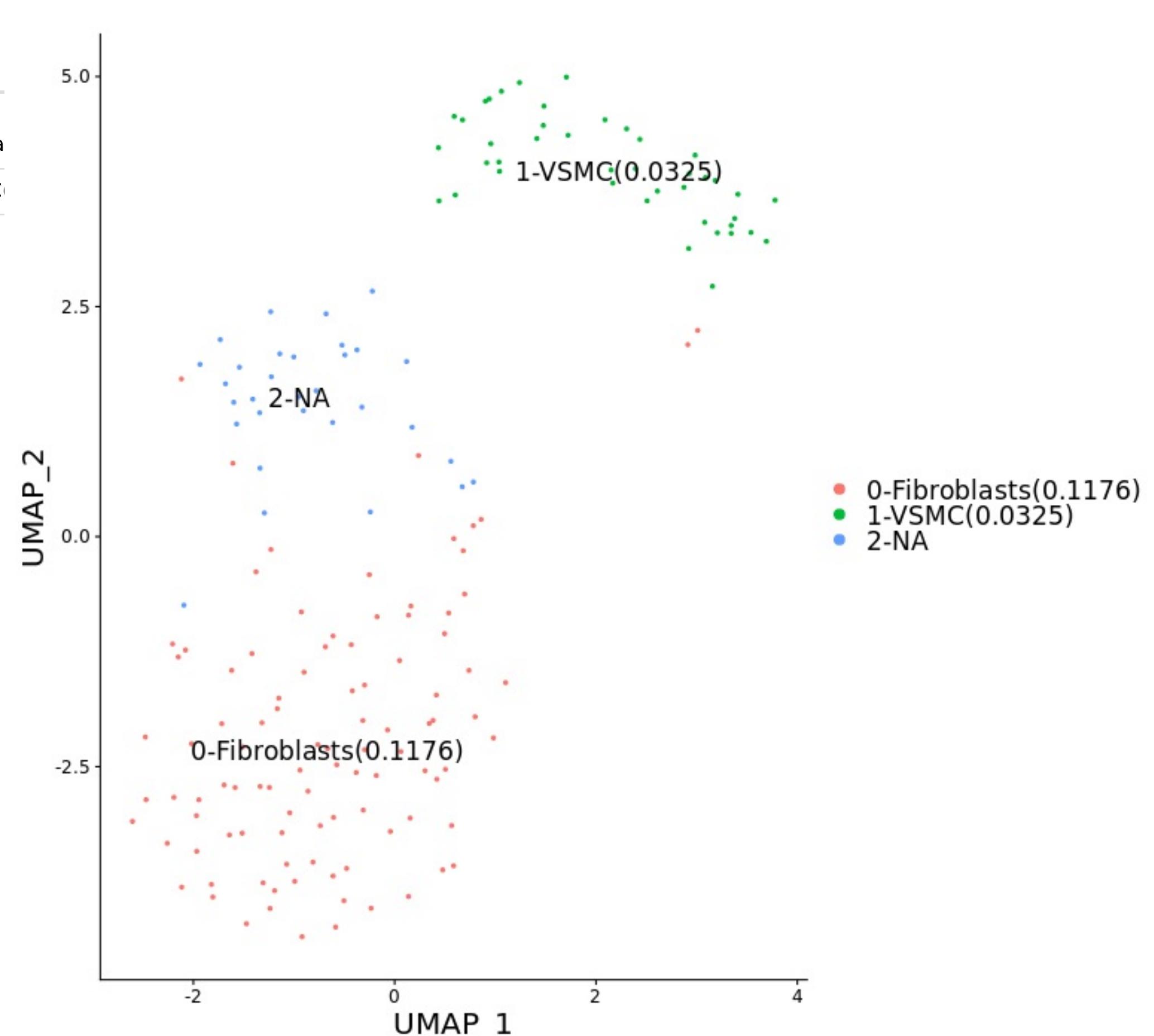
Heatmap of Differential Features



Cell Type Markers

cluster	label1	label2	label3	label
0	Fibroblasts(0.1176)	NA	NA	0-Fibrobla
1	VSMC(0.0325)	NA	NA	1-VSMC
2	NA	NA	NA	2-NA

UMAP Clustering



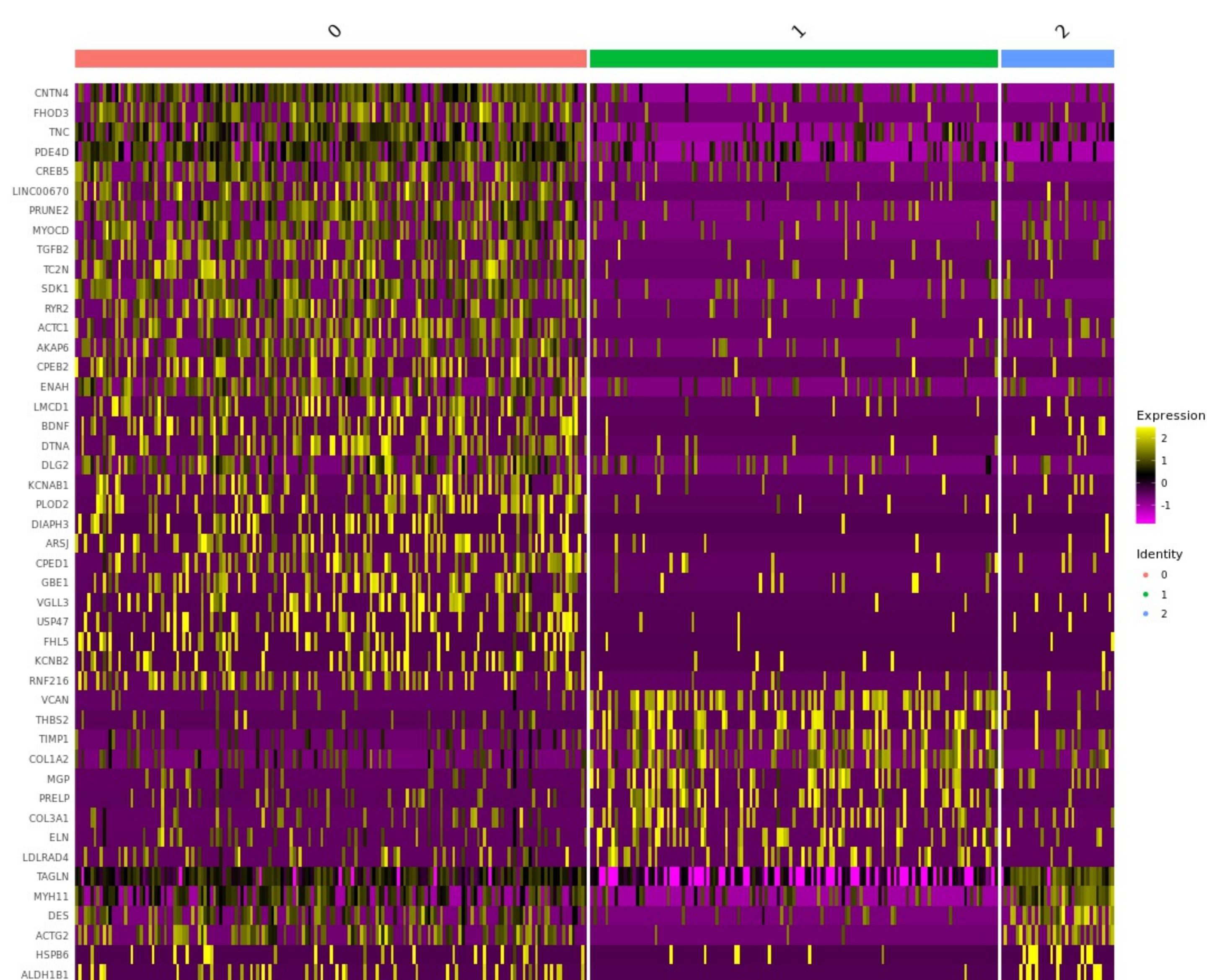
Clustering and Cell Identity Report: MH12

For interactive report, load RData output here: (https://saezlab.shinyapps.io/cluster_identity_report)

Script options

Input File: ...
/pipeline_output/s01_qc_processing.Rdata
Output Directory: ... /pipeline_output
Number of Principle Components: 9
Resolution for Clustering: 0.5

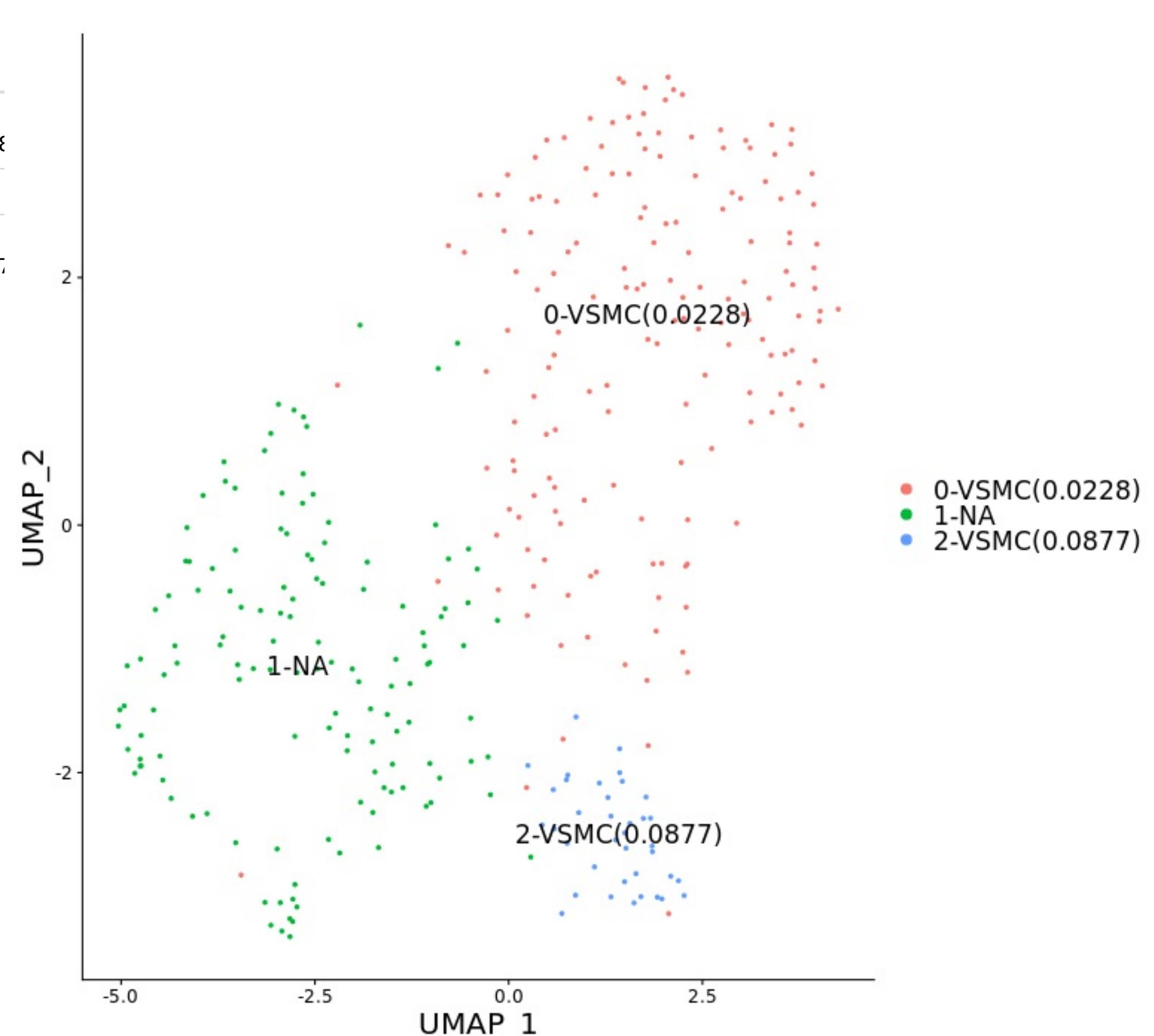
Heatmap of Differential Features



Cell Type Markers

UMAP Clustering

cluster	label1	label2	label3	label
0	VSMC(0.0228)	NA	NA	0-VSMC(0.0228)
1	NA	NA	NA	1-NA
2	VSMC(0.0877)	NA	NA	2-VSMC(0.0877)



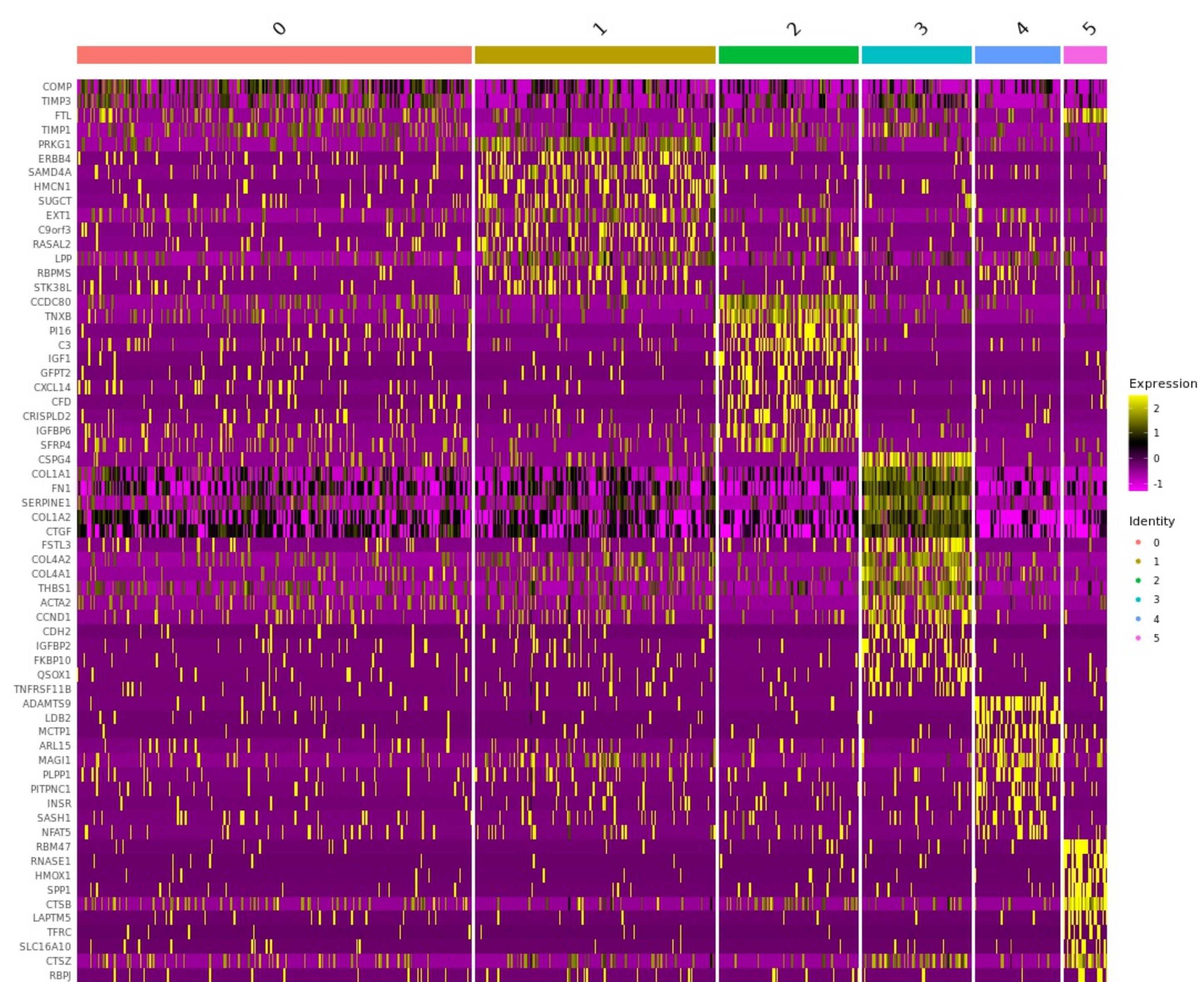
Clustering and Cell Identity Report: MH13

For interactive report, load RData output here: (https://saezlab.shinyapps.io/cluster_identity_report)

Script options

Input File: ...
/pipeline_output/s01_qc_processing.Rdata
Output Directory: ... /pipeline_output
Number of Principle Components: 8
Resolution for Clustering: 0.5

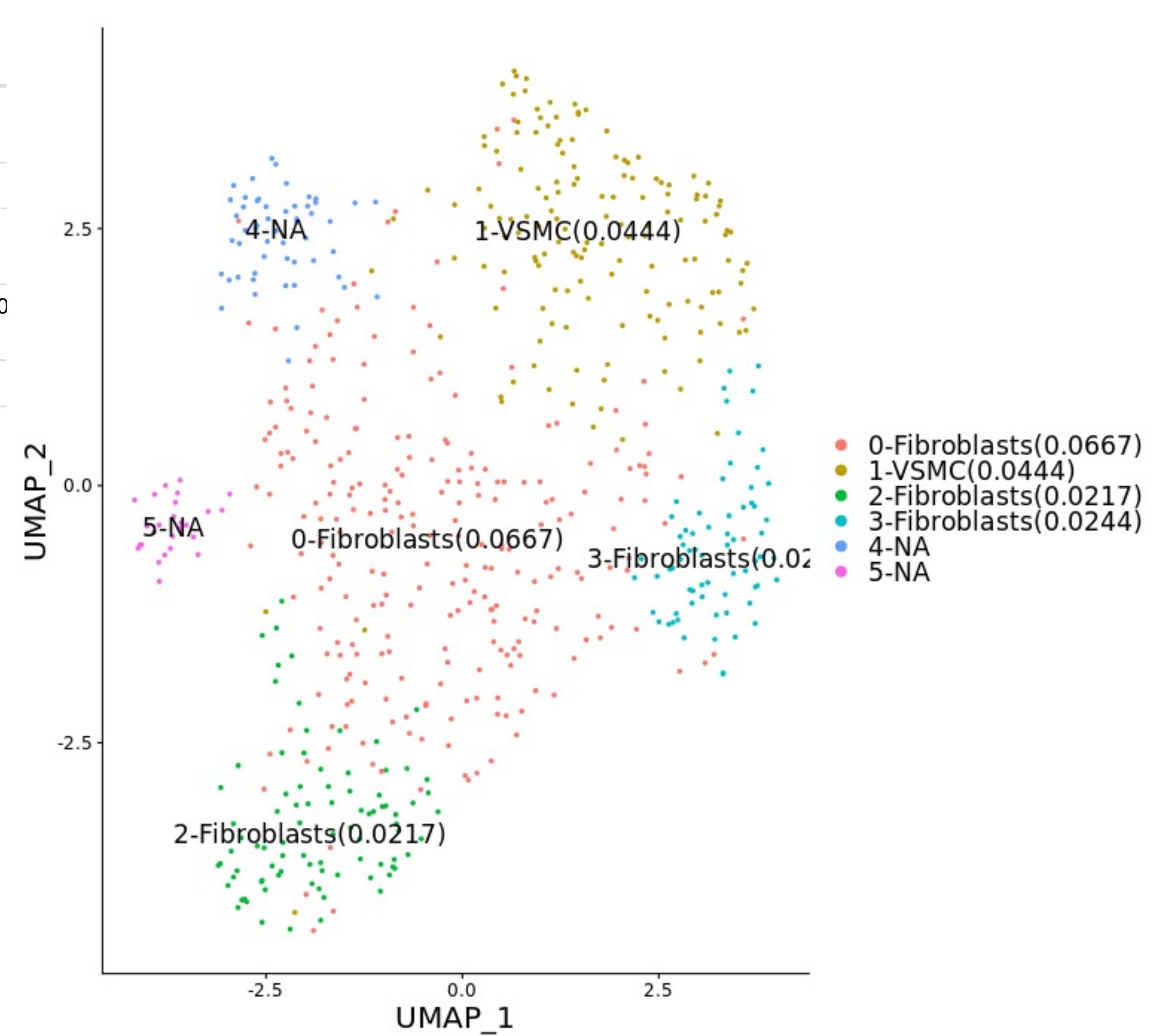
Heatmap of Differential Features



Cell Type Markers

cluster	label1	label2	label3
0	Fibroblasts(0.0667)	NA	NA
1	VSMC(0.0444)	NA	NA
2	Fibroblasts(0.0217)	NA	NA
3	Fibroblasts(0.0244)	VSMC(0.0244)	Pericytes(0)
4	NA	NA	NA
5	NA	NA	NA

UMAP Clustering



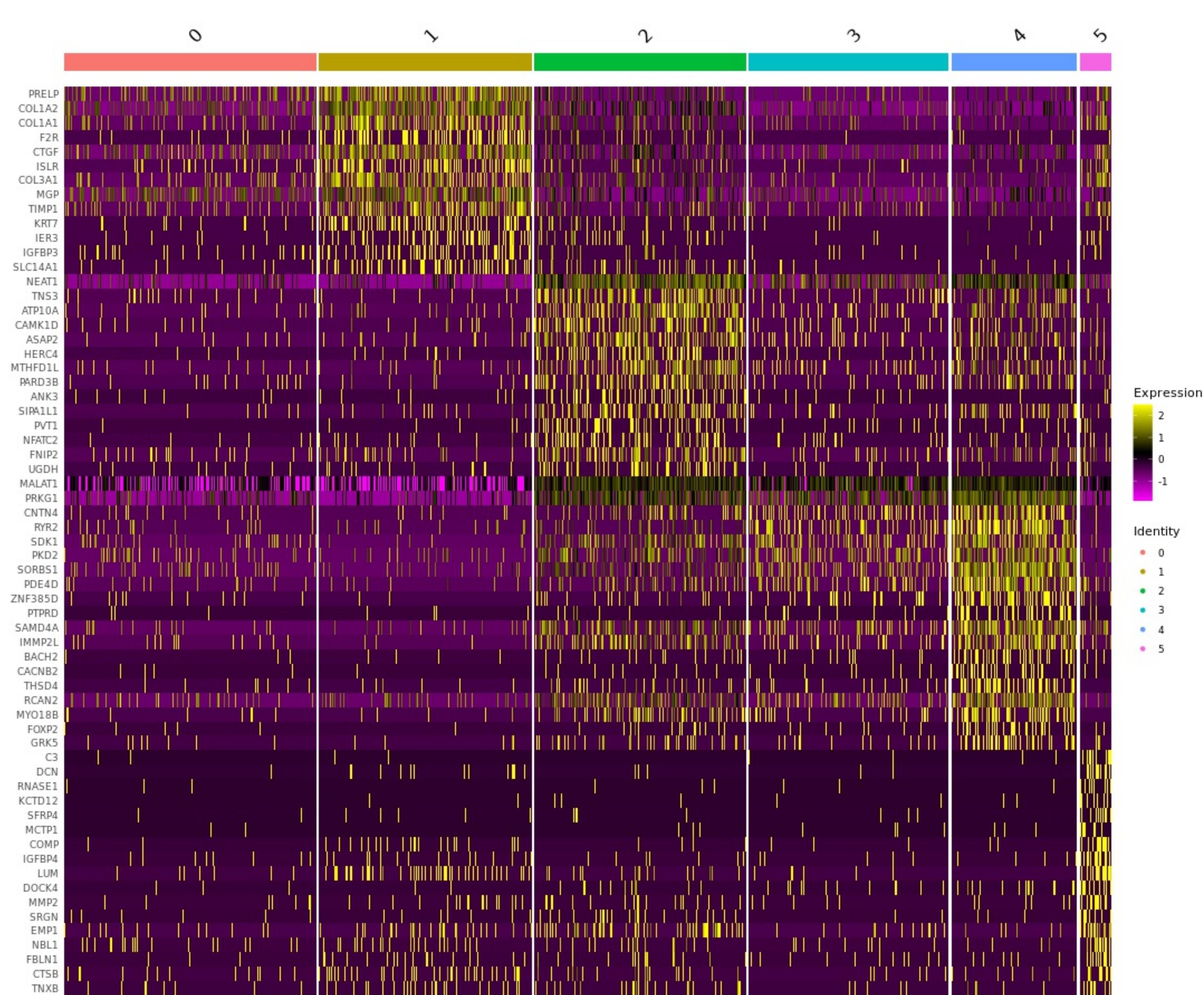
Clustering and Cell Identity Report: MH14

For interactive report, load RData output here: (https://saezlab.shinyapps.io/cluster_identity_report)

Script options

Input File: ...
/pipeline_output/s01_qc_processing.Rdata
Output Directory: ... /pipeline_output
Number of Principle Components: 6
Resolution for Clustering: 0.5

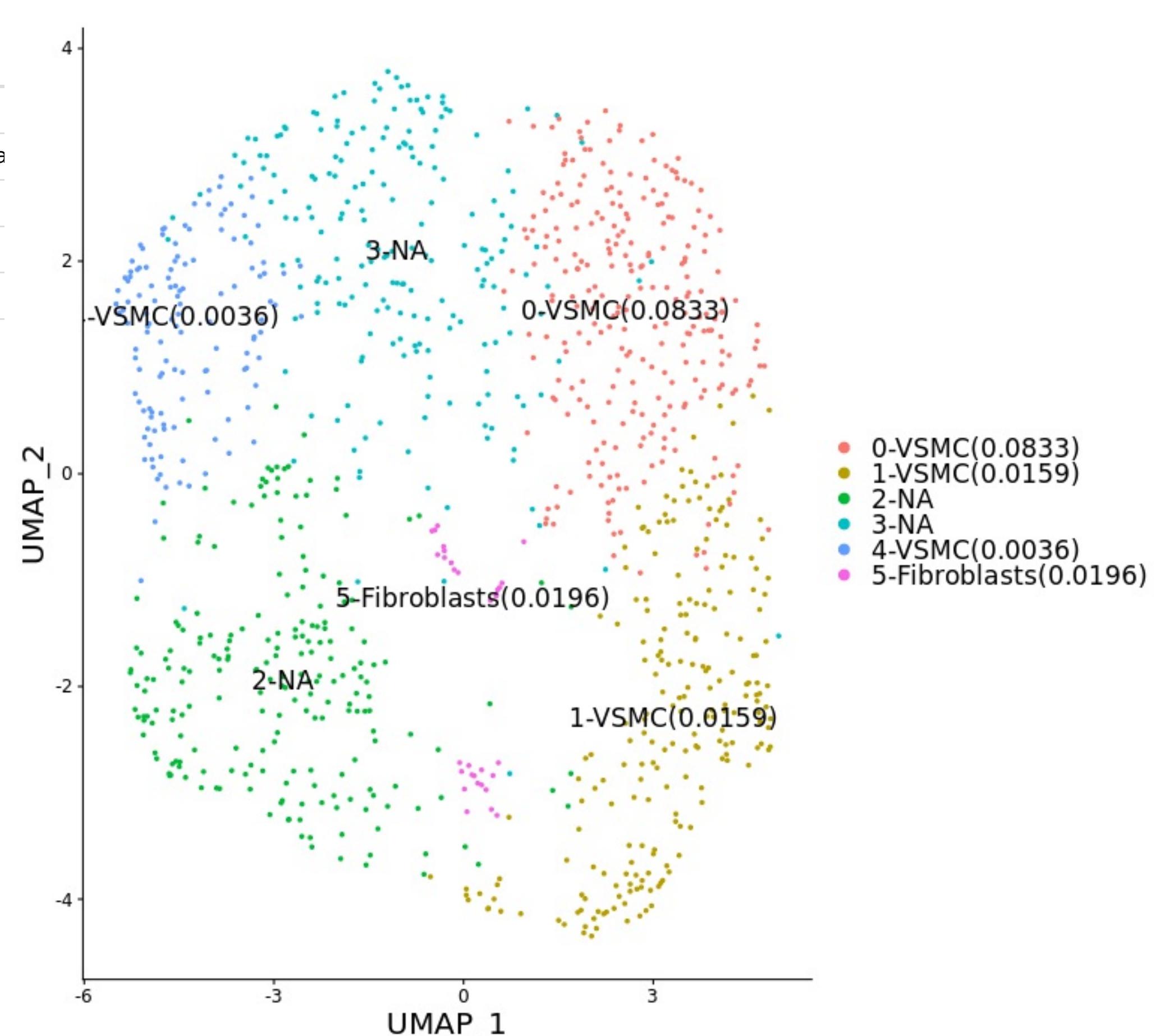
Heatmap of Differential Features



Cell Type Markers

cluster	label1	label2	label3
0	VSMC(0.0833)	Pericytes(0.0278)	NA
1	VSMC(0.0159)	Pericytes(0.0079)	Fibrobla
2	NA	NA	NA
3	NA	NA	NA
4	VSMC(0.0036)	NA	NA
5	Fibroblasts(0.0196)	NA	NA

UMAP Clustering



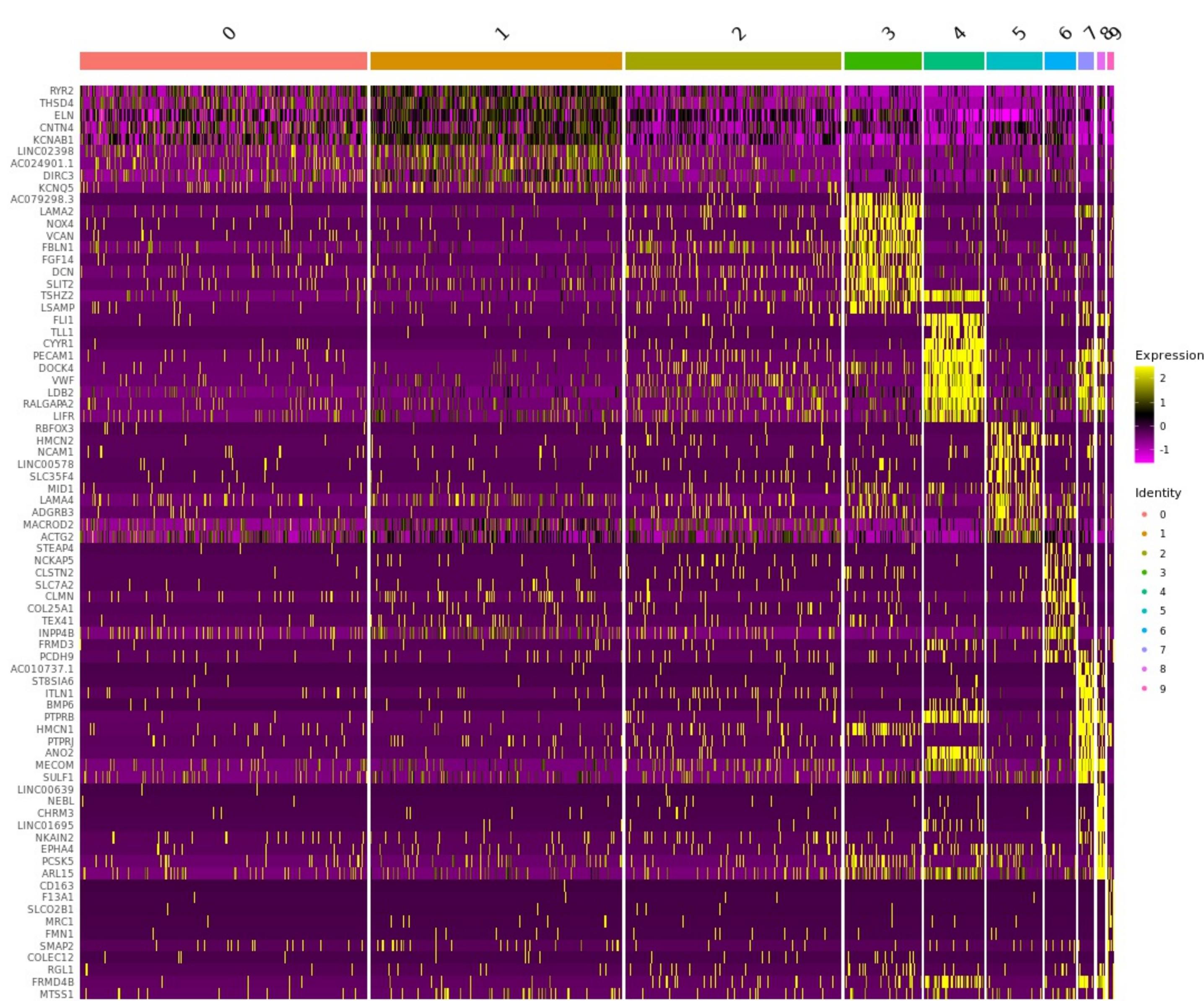
Clustering and Cell Identity Report: MH15

For interactive report, load RData output here: (https://saezlab.shinyapps.io/cluster_identity_report)

Script options

```
Input File: ...
/pipeline_output/s01_qc_processing.Rdata
Output Directory: ... /pipeline_output
Number of Principle Components: 11
Resolution for Clustering: 0.5
```

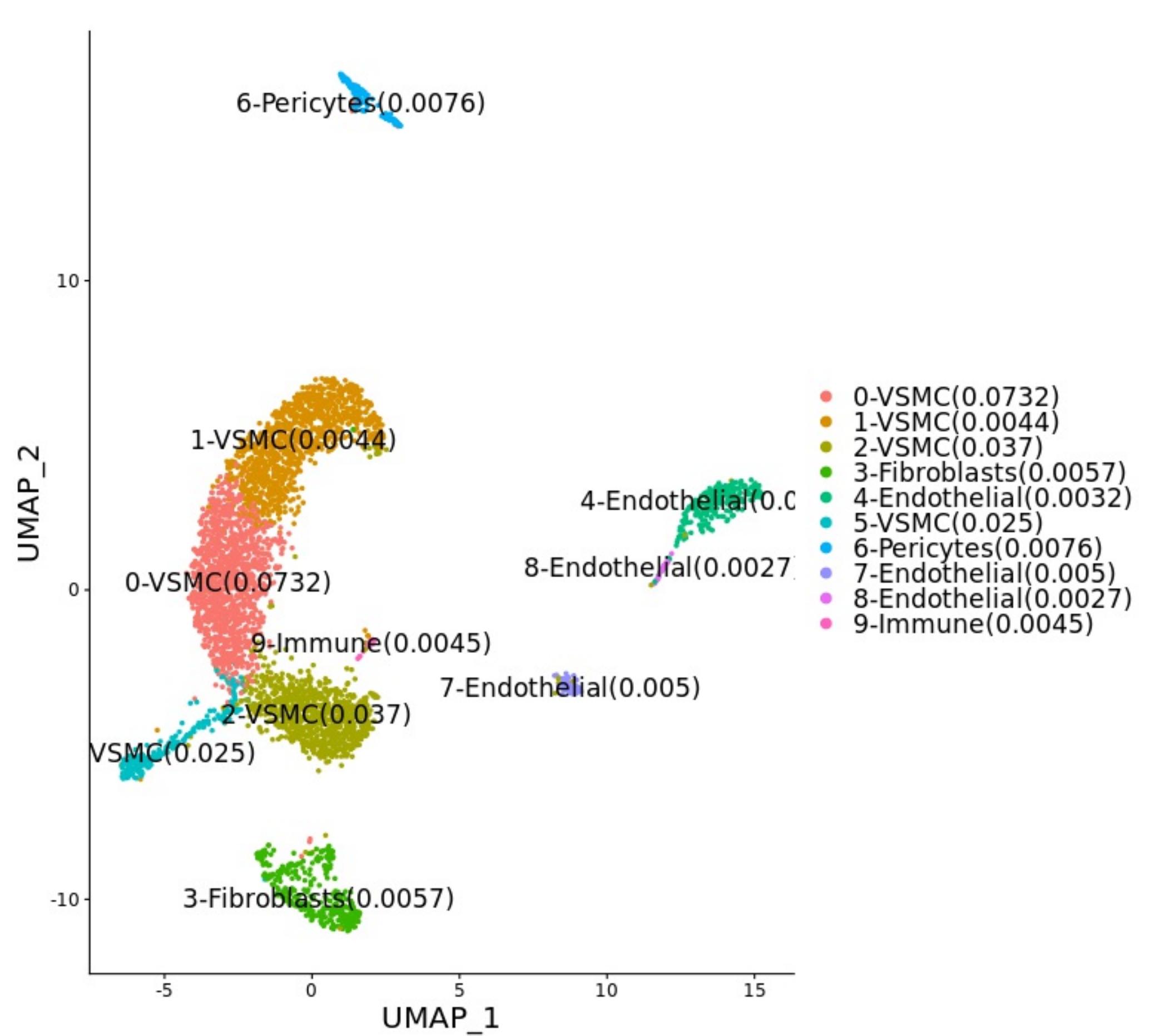
Heatmap of Differential Features



Cell Type Markers

cluster	label1	label2	label
0	VSMC(0.0732)	NA	NA
1	VSMC(0.0044)	NA	NA
2	VSMC(0.037)	Pericytes(0.0123)	NA
3	Fibroblasts(0.0057)	NA	NA
4	Endothelial(0.0032)	NA	NA
5	VSMC(0.025)	NA	NA
6	Pericytes(0.0076)	VSMC(0.0025)	NA
7	Endothelial(0.005)	NA	NA
8	Endothelial(0.0027)	NA	NA
9	Immune(0.0045)	Endothelial(0.0045)	NA

UMAP Clustering



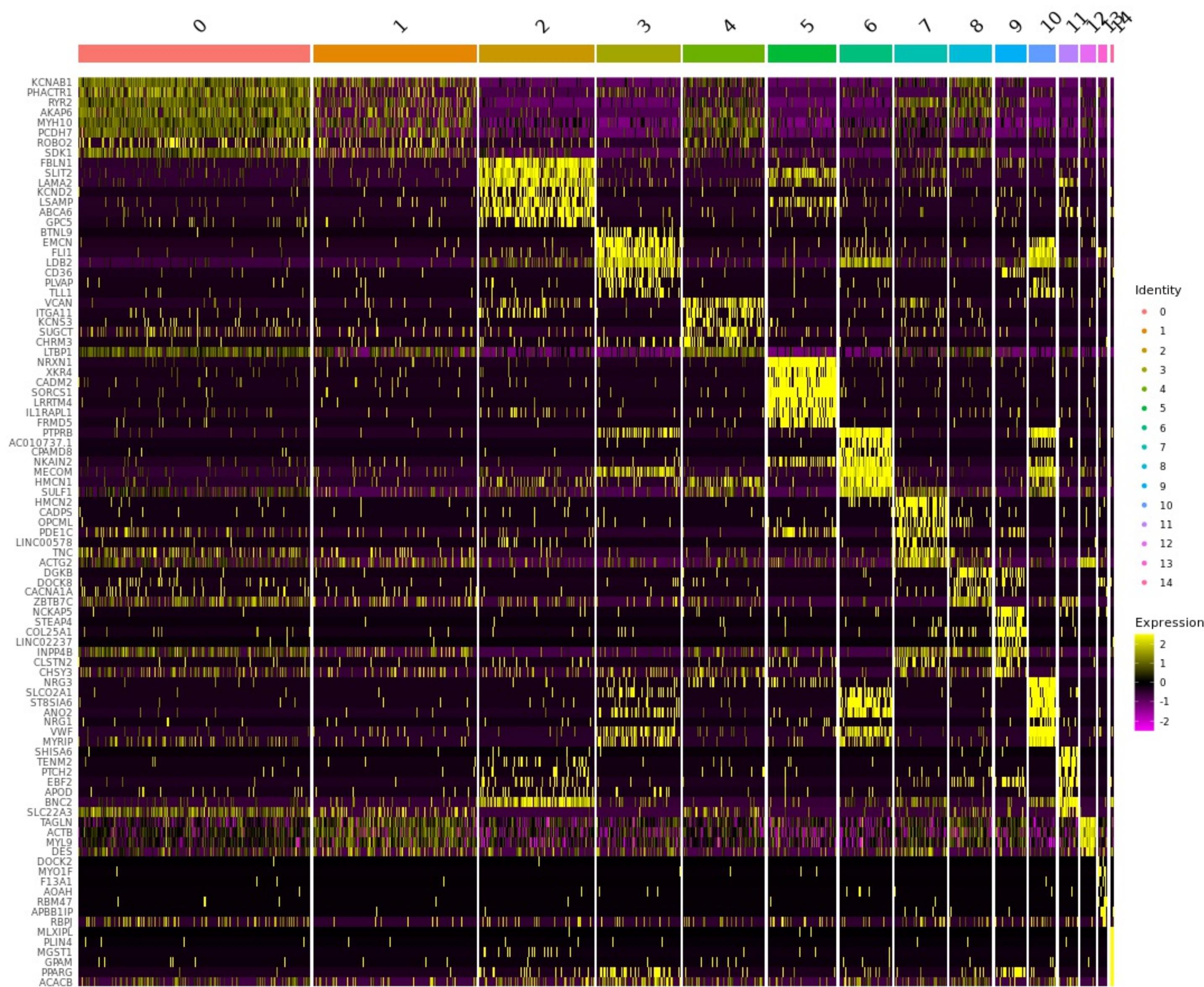
Clustering and Cell Identity Report: MH16

For interactive report, load RData output here: (https://saezlab.shinyapps.io/cluster_identity_report)

Script options

Input File: ...
 /pipeline_output/s01_qc_processing.Rdata
Output Directory: ... /pipeline_output
Number of Principle Components: 18
Resolution for Clustering: 0.5

Heatmap of Differential Features



Cell Type Markers

cluster	label1	label2	label3
0	VSMC(0.0089)	Pericytes(0.003)	NA
1	VSMC(0.0494)	NA	NA
2	Fibroblasts(0.0087)	NA	NA
3	Endothelial(0.0066)	NA	NA
4	Fibroblasts(0.0078)	Pericytes(0.0039)	VSMC(0.0089)
5	NA	NA	NA
6	Endothelial(0.004)	NA	NA
7	VSMC(0.0134)	Pericytes(0.0034)	NA
8	Pericytes(0.0079)	VSMC(0.0079)	NA
9	Pericytes(0.0162)	Endothelial(0.0054)	VSMC(0.0089)
10	Endothelial(0.0032)	NA	NA
11	Fibroblasts(0.0033)	NA	NA
12	VSMC(0.0128)	Fibroblasts(0.0043)	Pericytes(0.0039)
13	Immune(0.0069)	NA	NA
14	Endothelial(0.0045)	Immune(0.0022)	NA

UMAP Clustering

