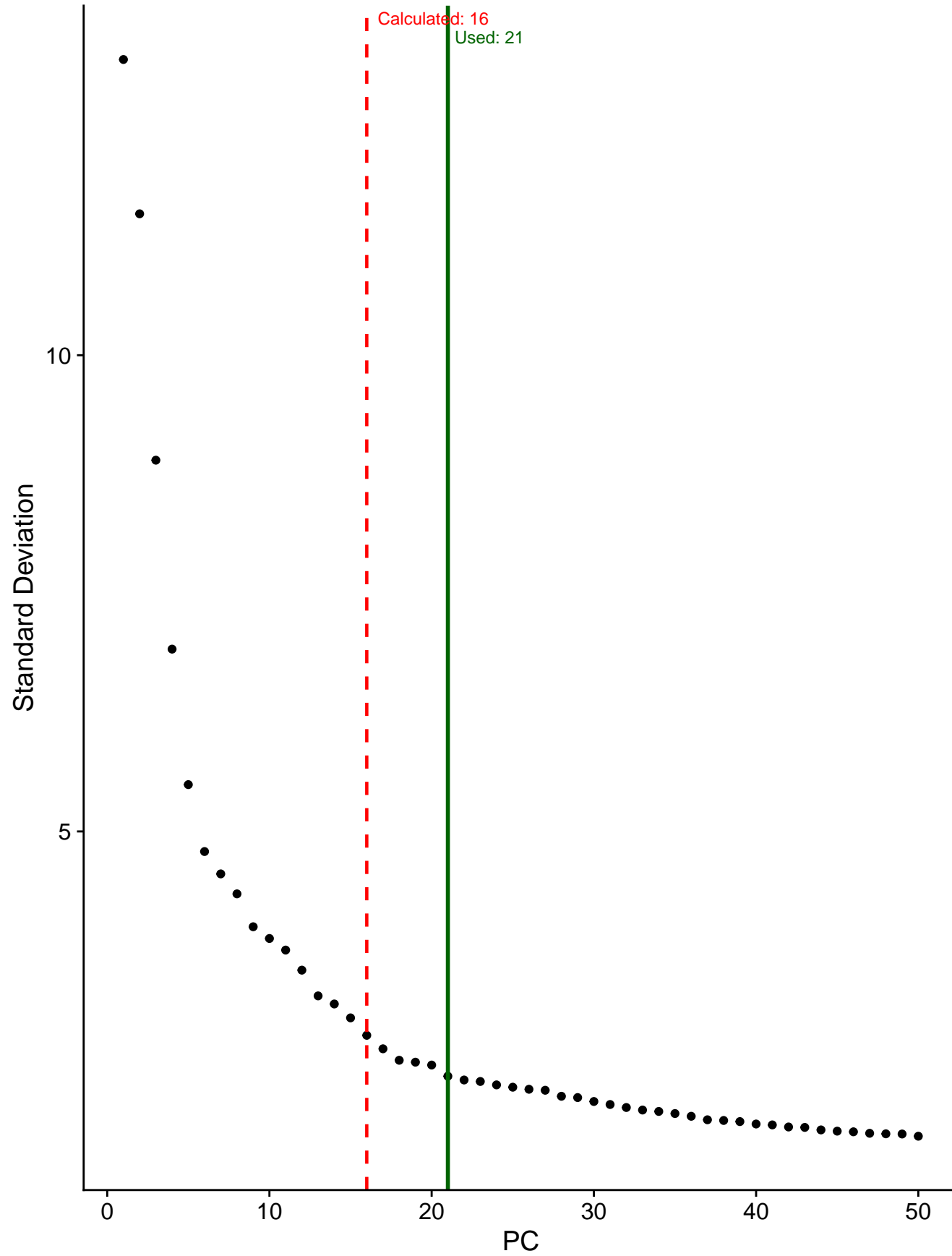6M_Org – PCA Elbow Analysis (Pre–Integration)
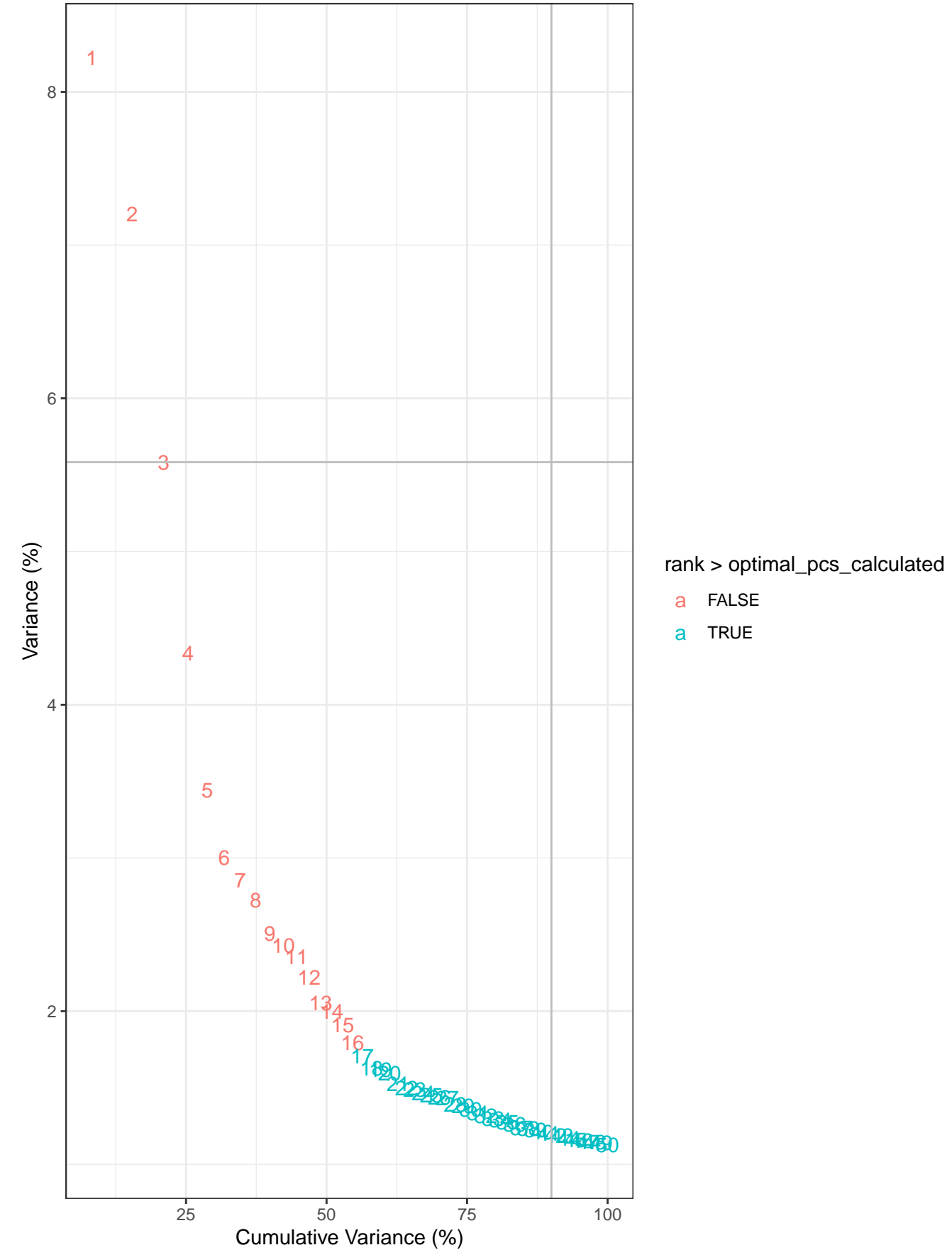
6M_Org: Elbow Plot
Calculated: 16 PCs | Used: 21 PCs (+5)
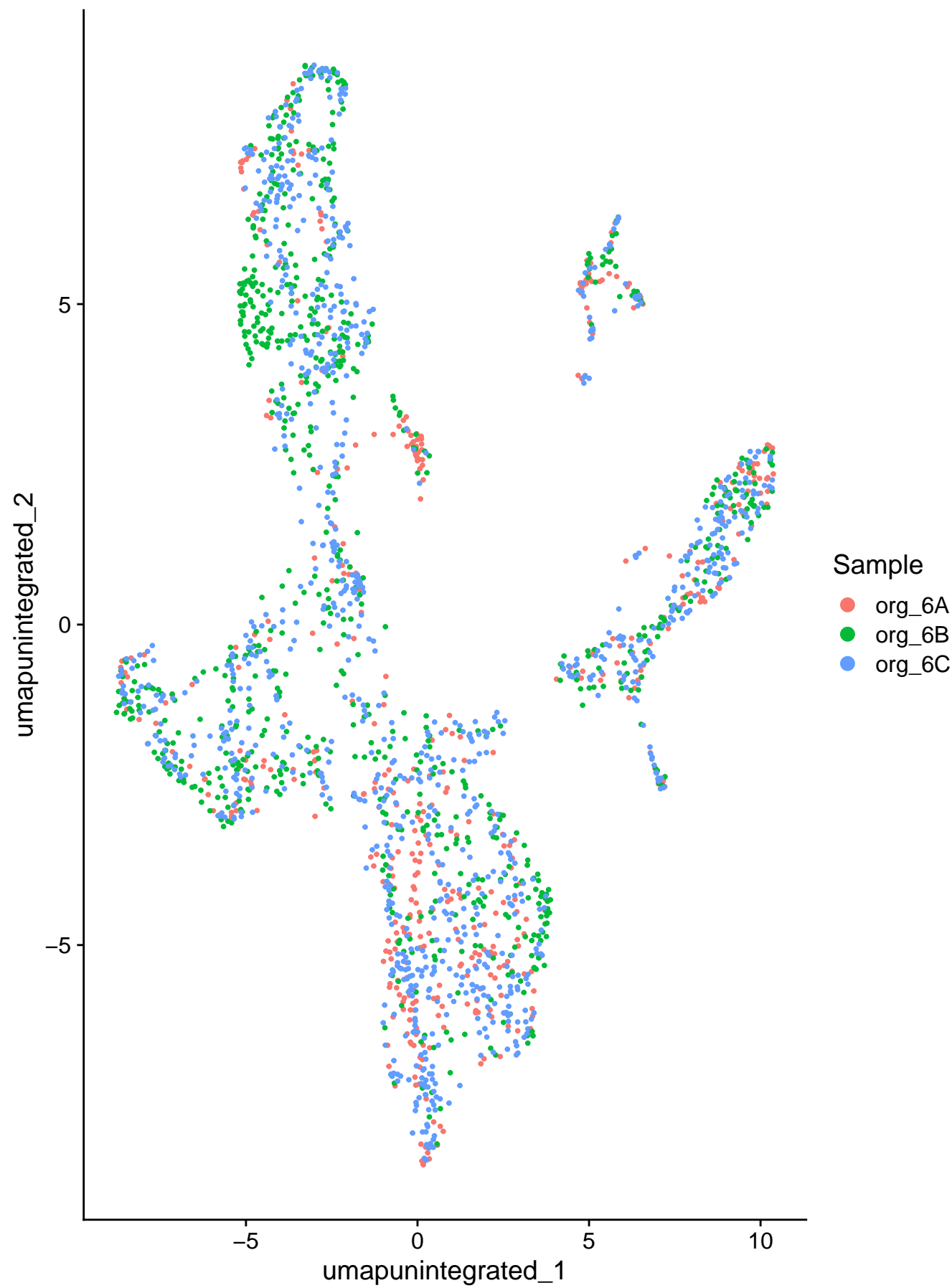
6M_Org: Quantitative PC Selection
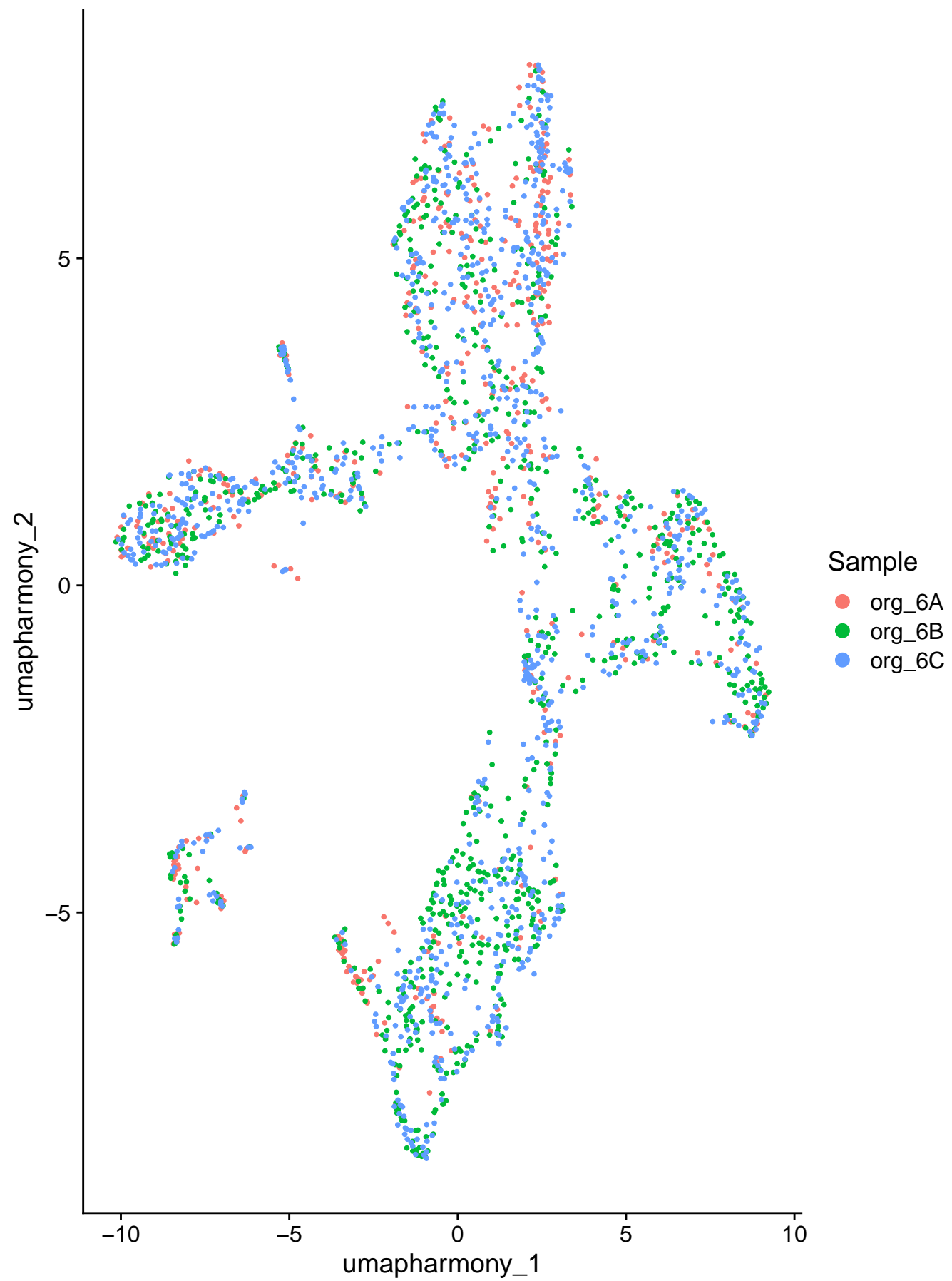Calculated: 16 PCs | Used: 21 PCs (+5)

6M_Org – Harmony Integration Comparison
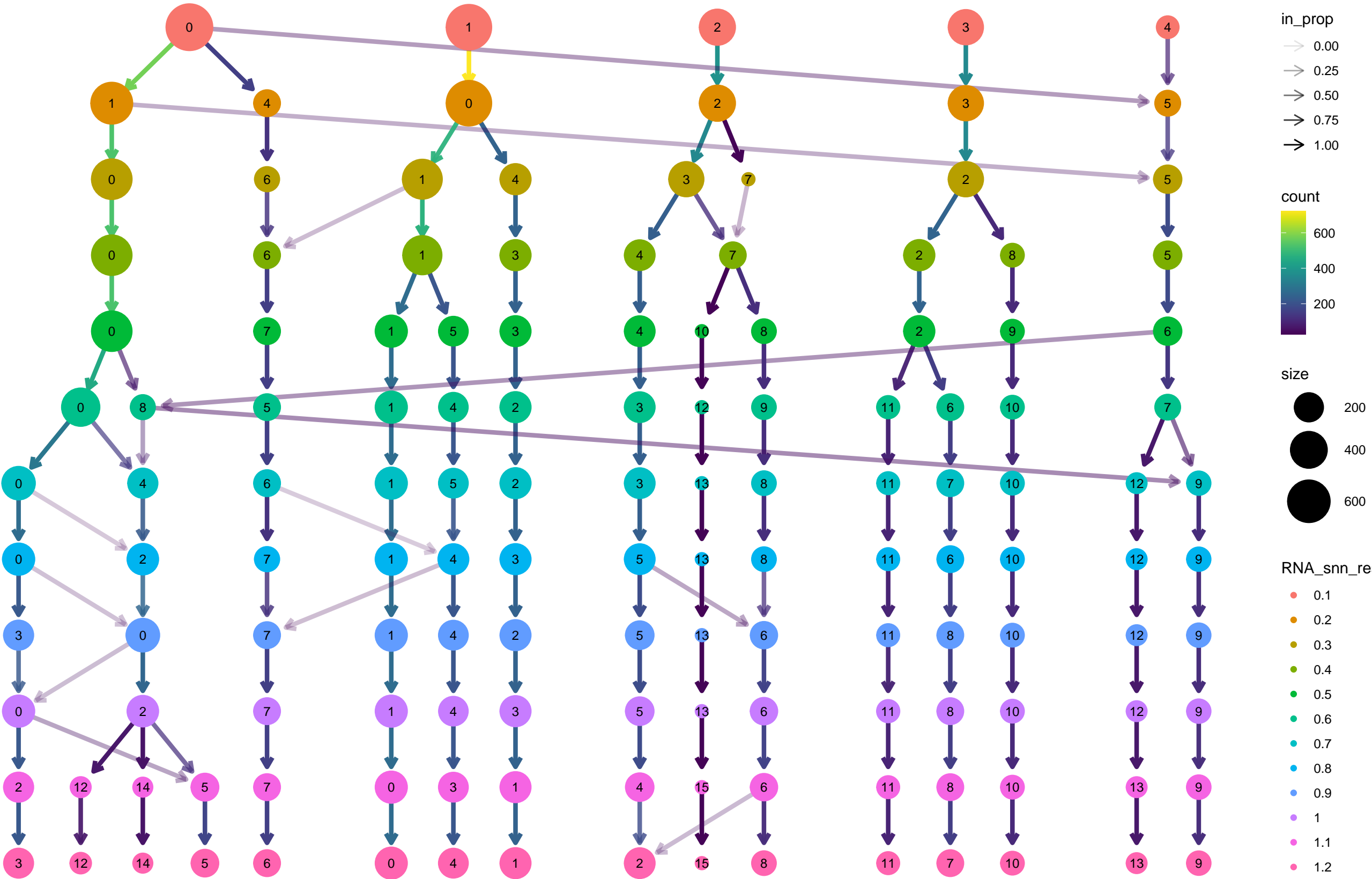
6M_Org: Before Integration

6M_Org: After Harmony Integration

Sample
- org_6A
- org_6B
- org_6C

6M_Org – Clustering Resolution Tree
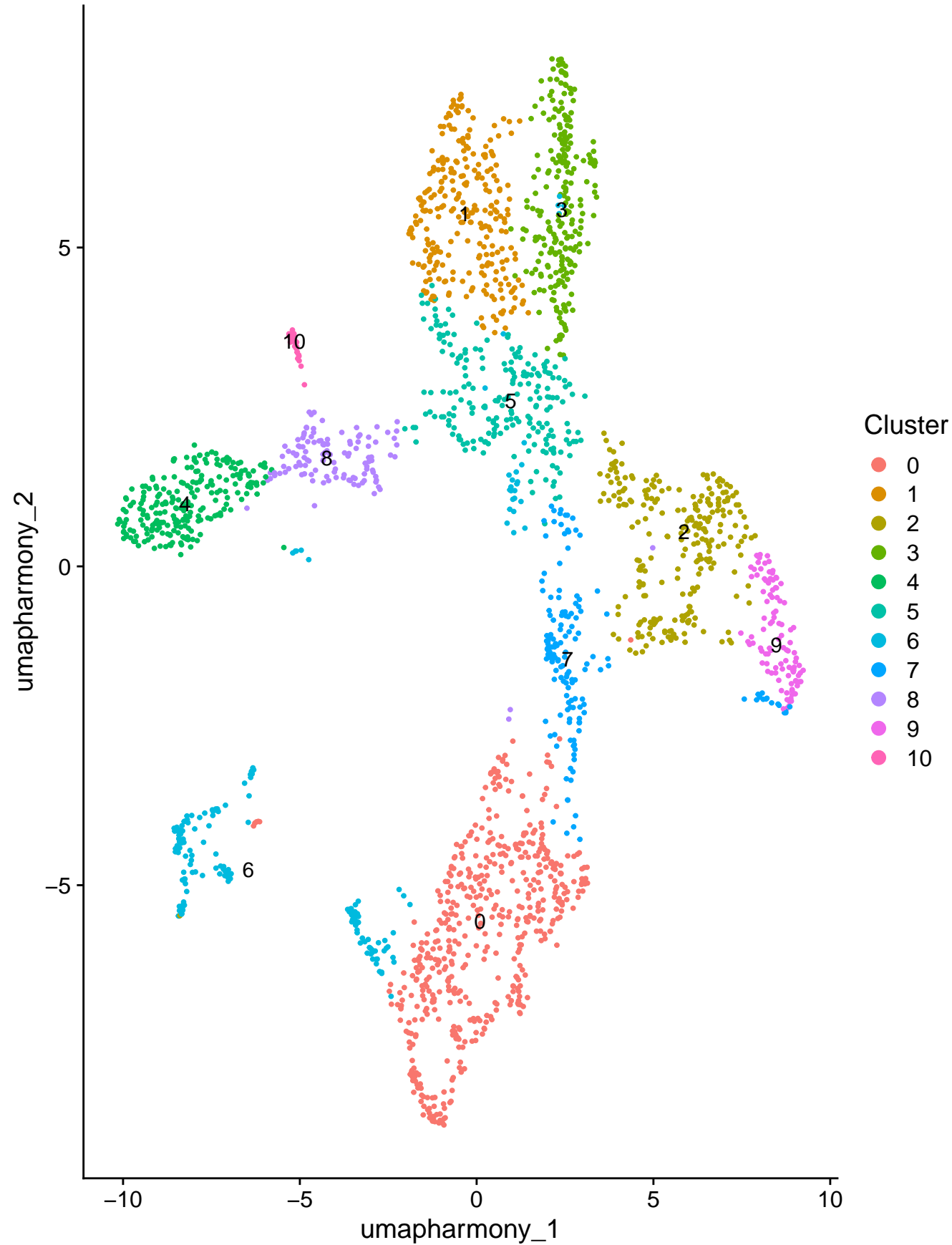
6M_Org: Clustree

Final resolution: 0.5 (CUSTOM OVERRIDE)

6M_Org – Final Clustering Results

6M_Org: Final Clusters

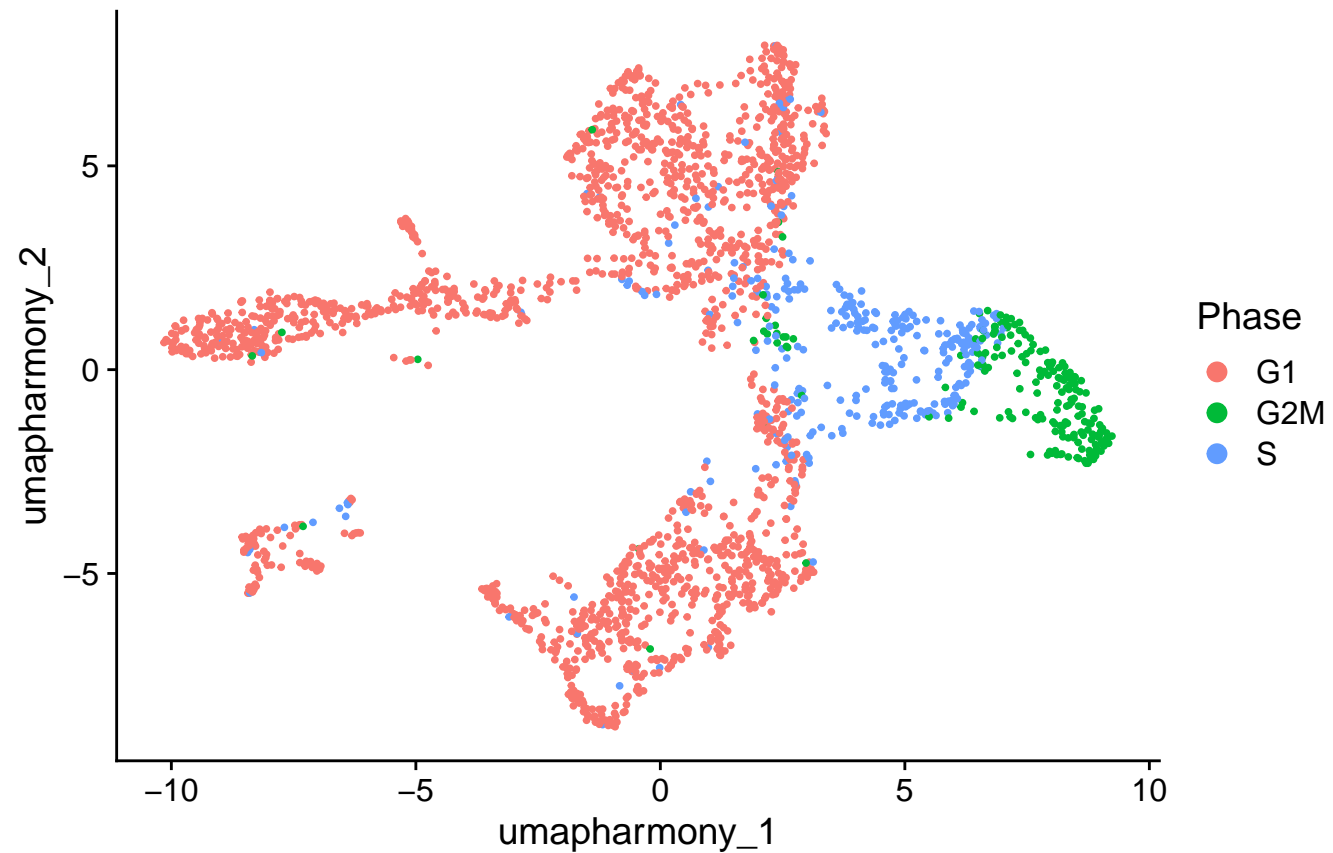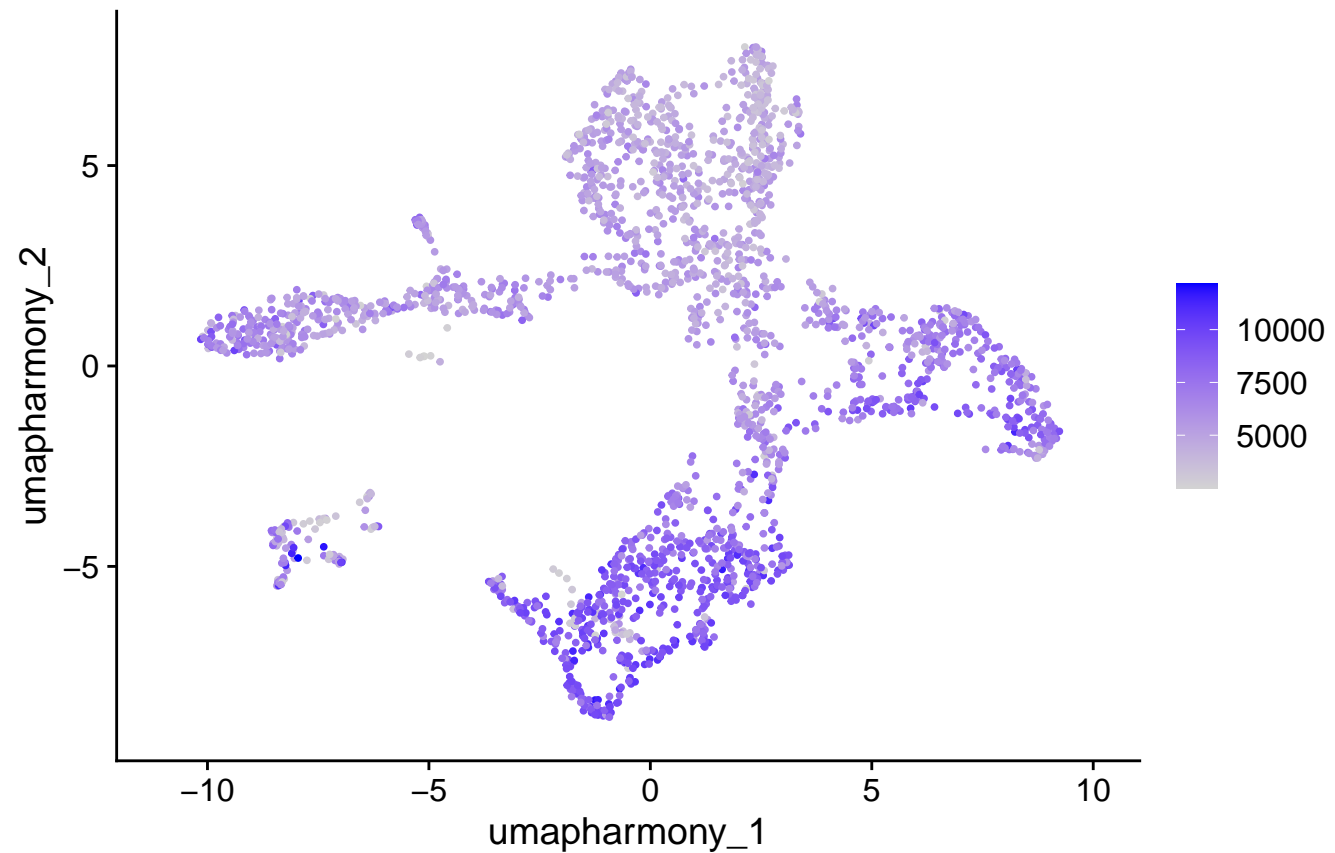Resolution: 0.5 (CUSTOM OVERRIDE)

	res_vals	num_clusters	avg_sil_vals
1	0.1	5	0.376925713688954
2	0.2	6	0.375046143243745
3	0.5	11	0.250178195967382
4	0.8	14	0.238711125692361
5	1.2	16	0.232045964561219
6	0.4	9	0.231815356092906
7	0.6	13	0.208620999238172
8	0.3	8	0.184144235381265

6M_Org – QC Metrics on Integrated Data

6M_Org: Cell Cycle Phase

Phase
- G1
- G2M
- S

6M_Org: nFeature_RNA

10000
7500
5000

6M_Org: nCount_RNA

60000
40000
20000

6M_Org: Final Clusters

Resolution: 0.5 (CUSTOM OVERRIDE)

Cluster
- 0
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10