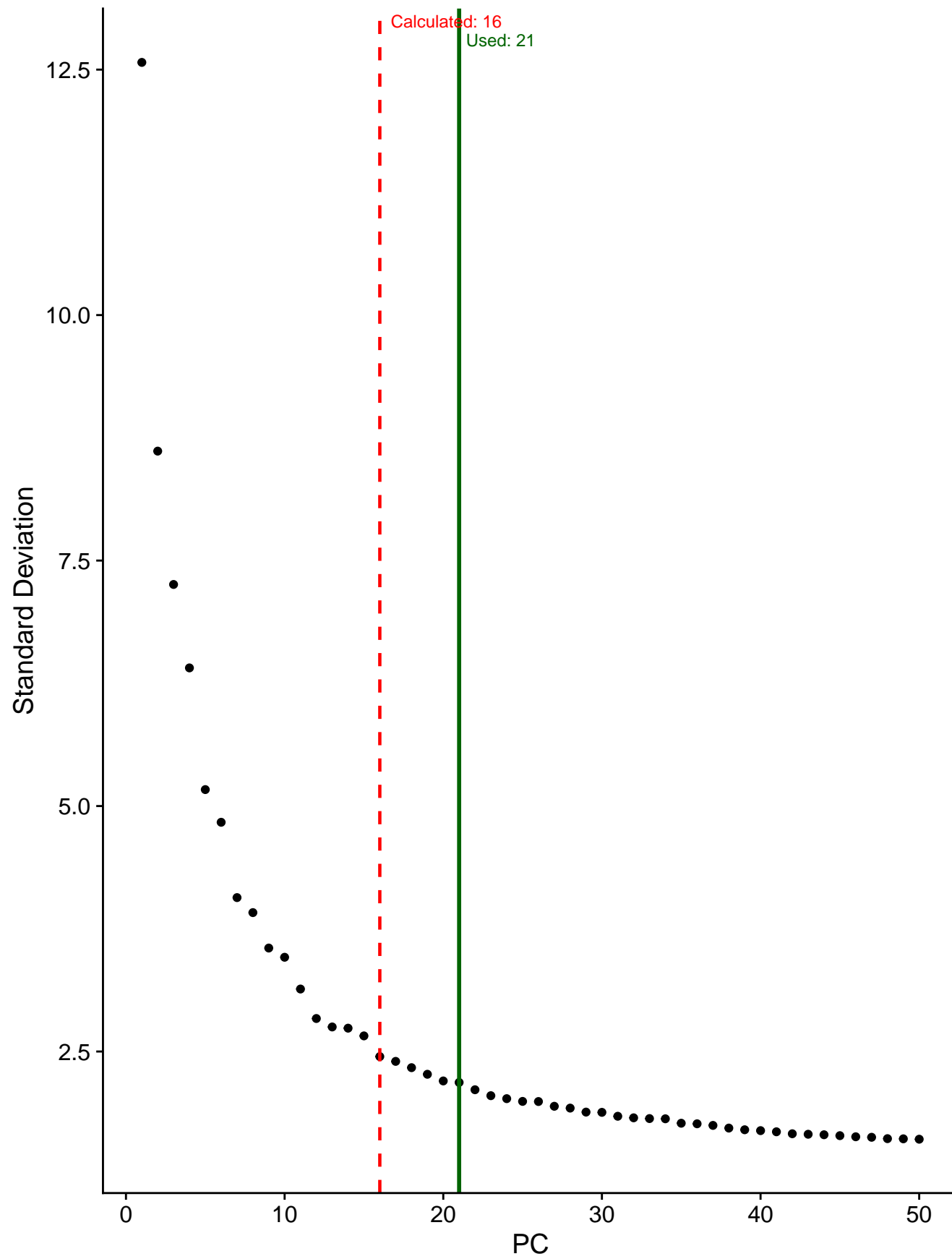


# 3M\_Org – PCA Elbow Analysis (Pre-Integration)

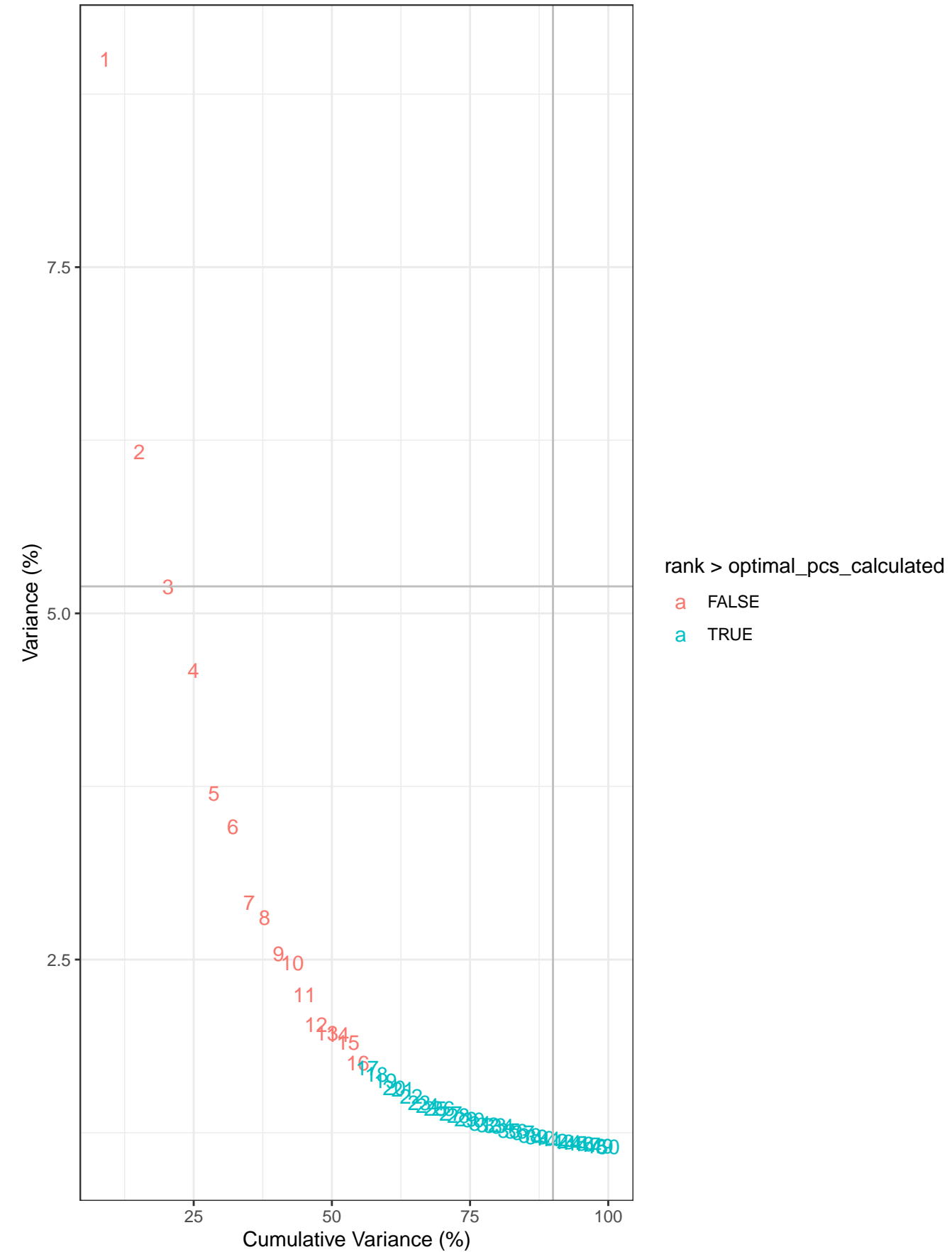
## 3M\_Org: Elbow Plot

Calculated: 16 PCs | Used: 21 PCs (+5)



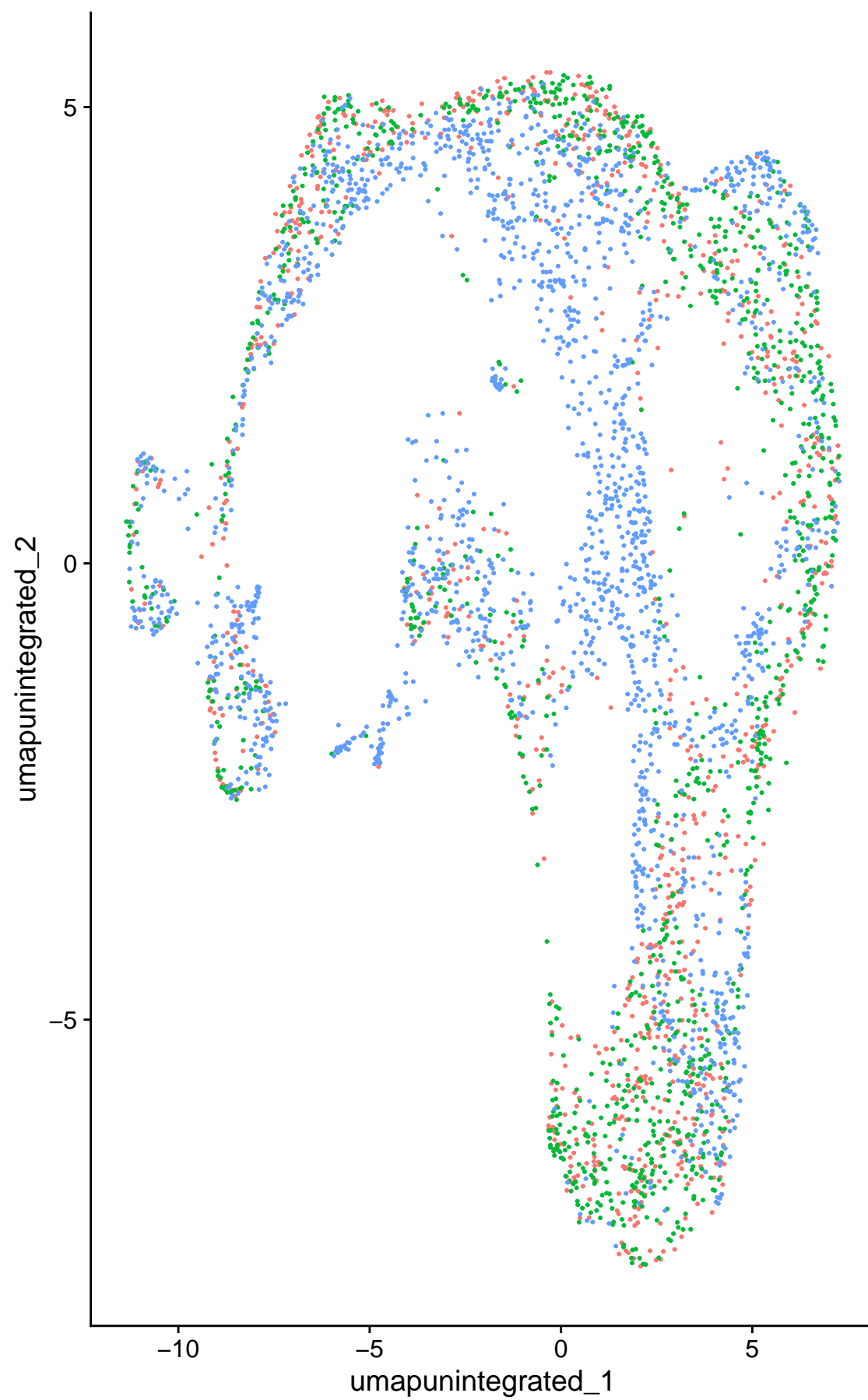
## 3M\_Org: Quantitative PC Selection

Calculated: 16 PCs | Used: 21 PCs (+5)

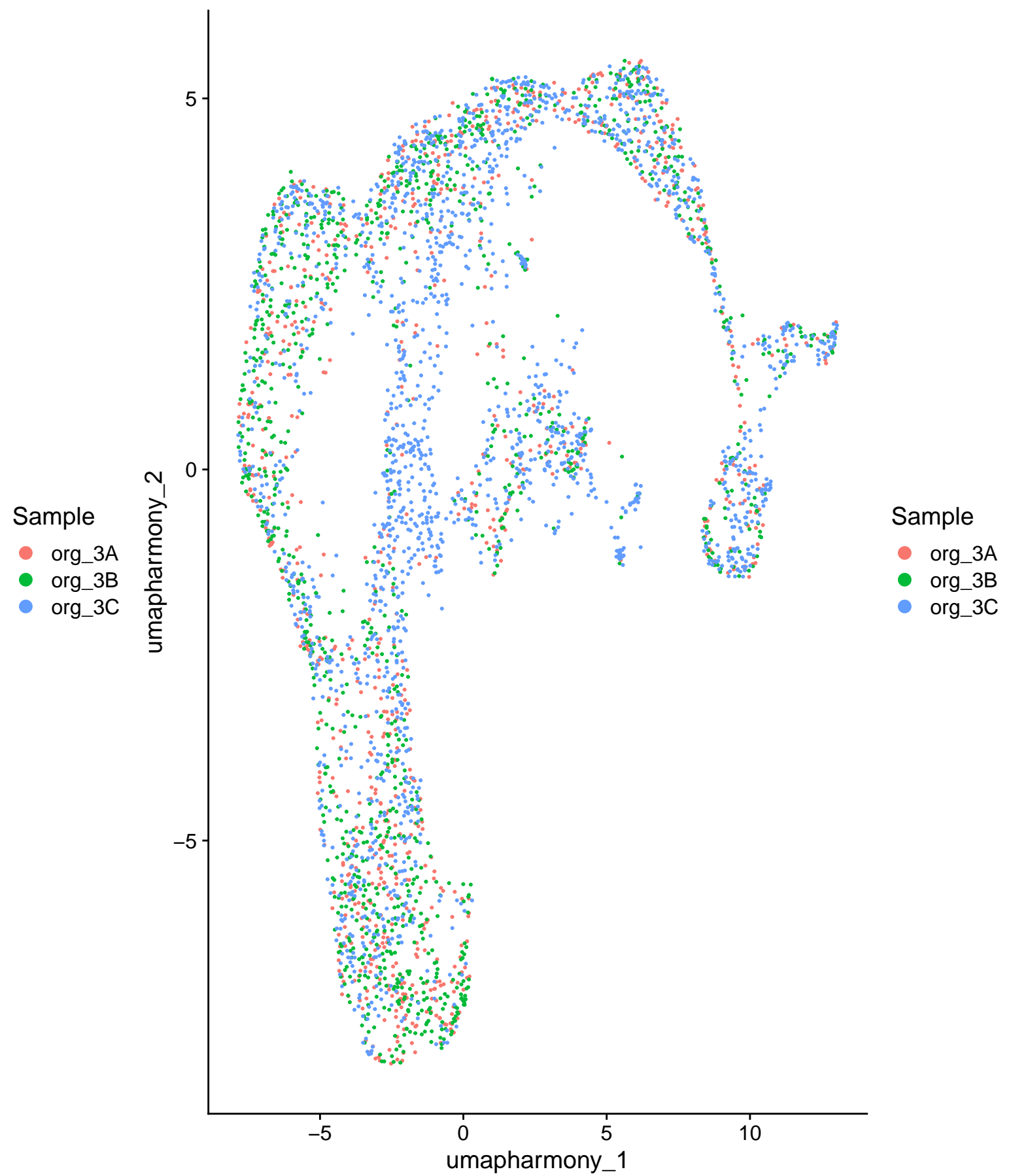


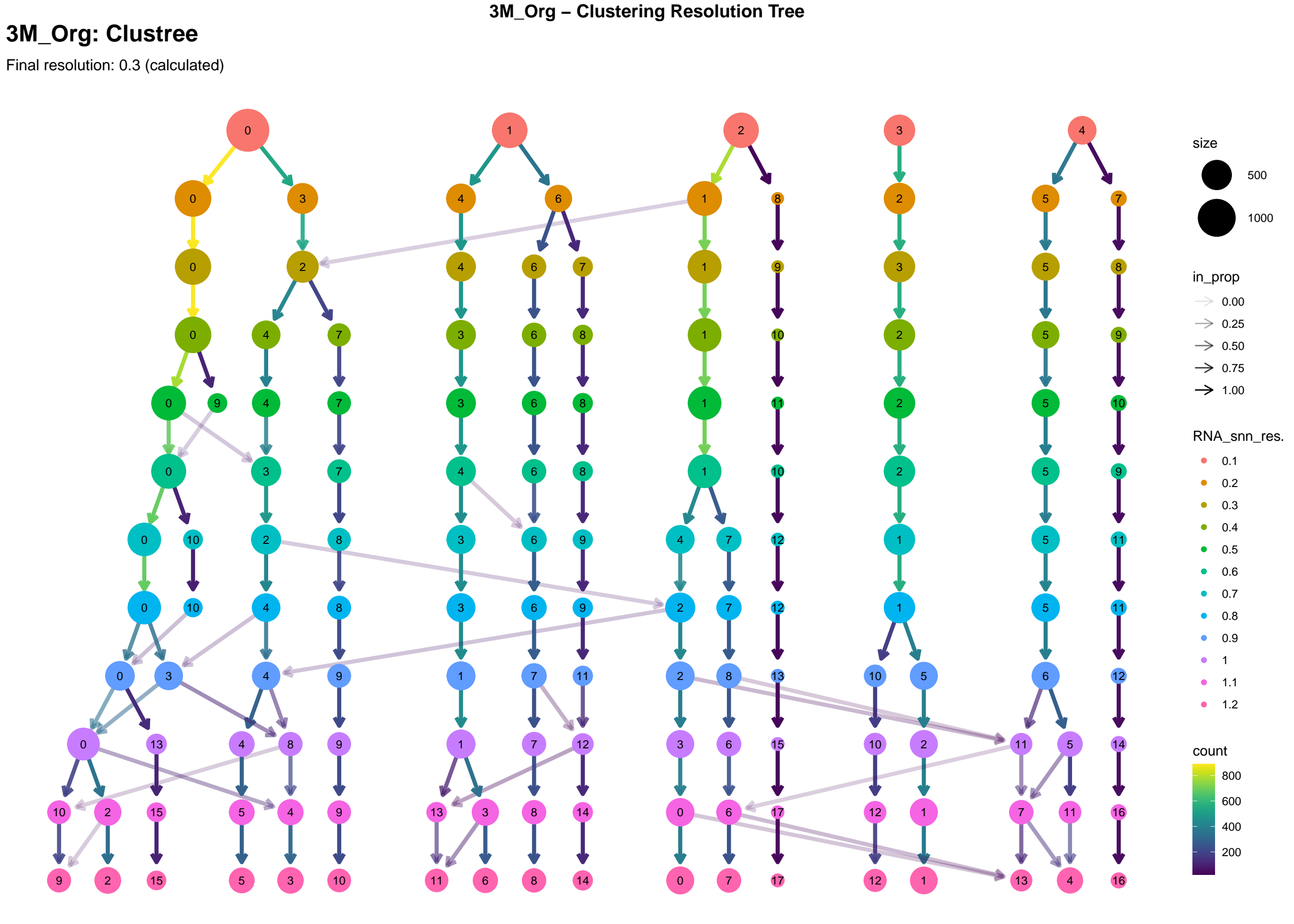
# 3M\_Org – Harmony Integration Comparison

## 3M\_Org: Before Integration



## 3M\_Org: After Harmony Integration

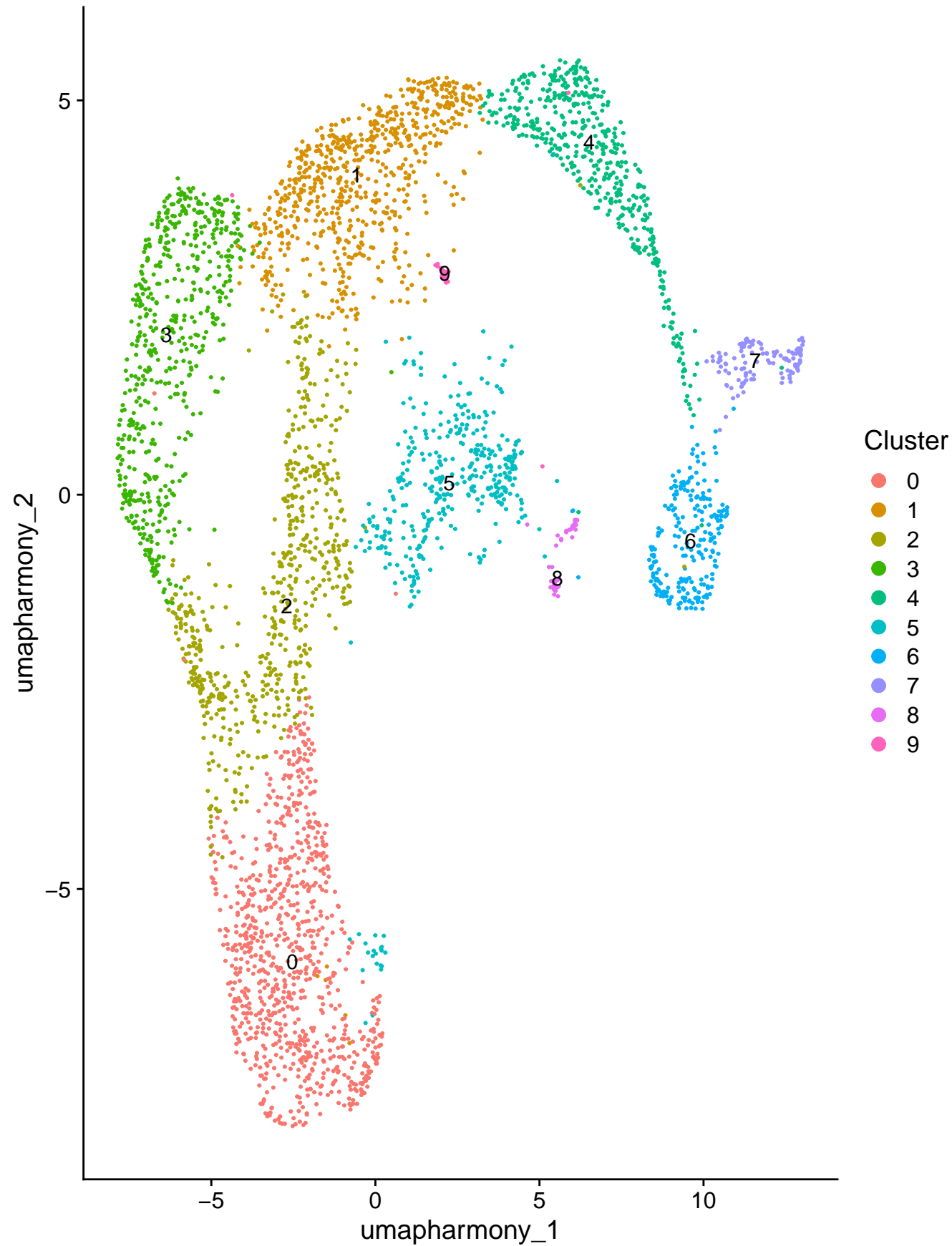




# 3M\_Org – Final Clustering Results

## 3M\_Org: Final Clusters

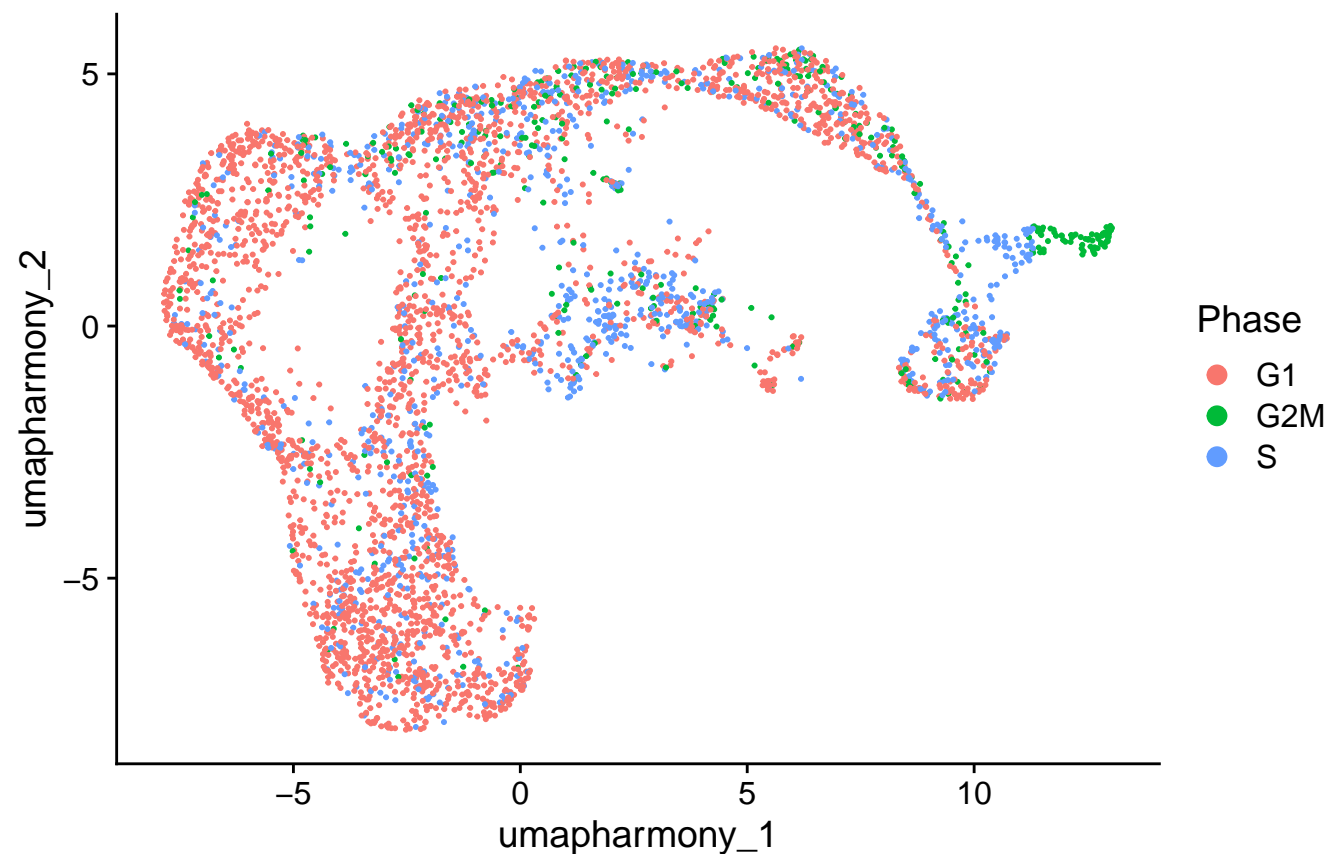
Resolution: 0.3 (calculated)



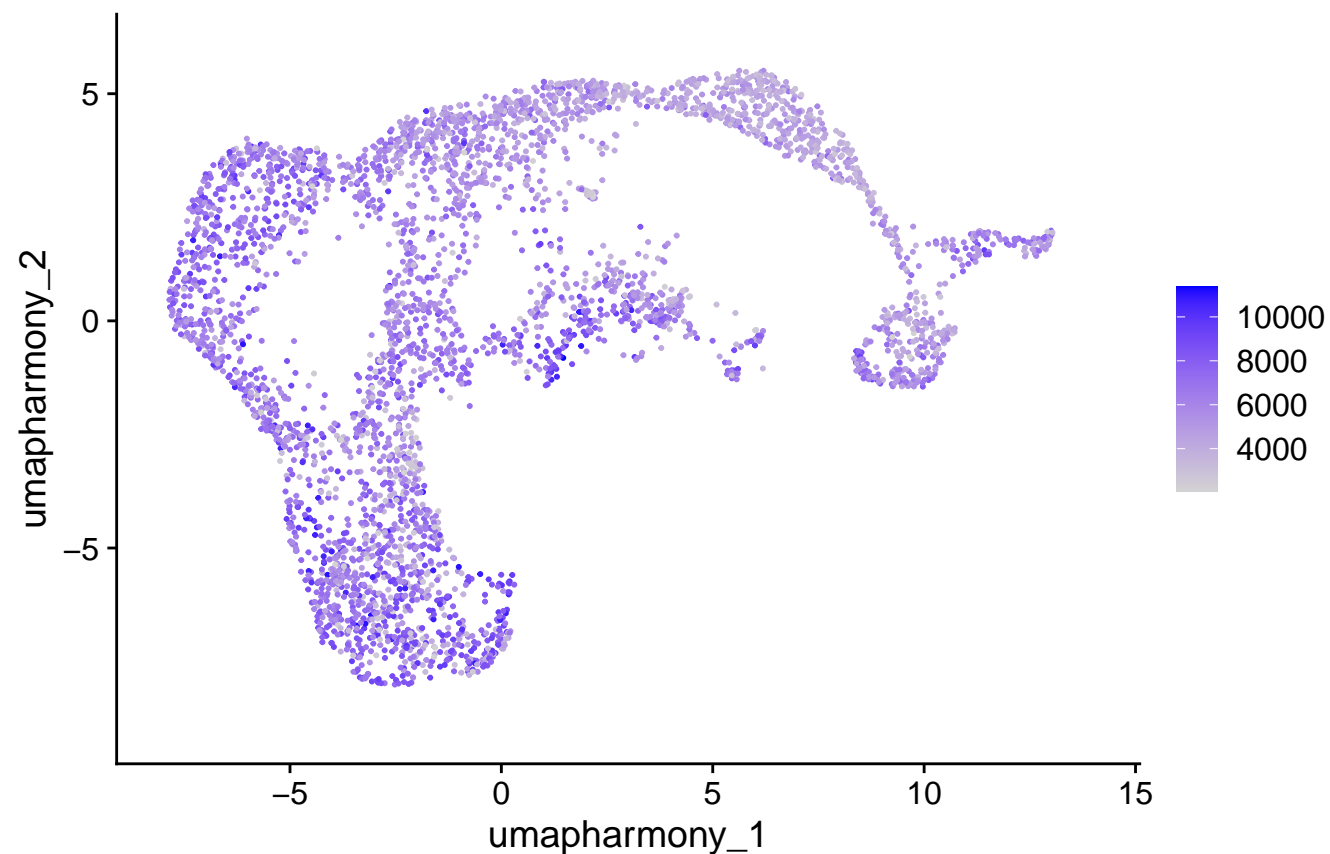
	res_vals	num_clusters	avg_sil_vals
1	0.3	10	0.311317342666207
2	0.6	11	0.294674206980582
3	0.2	9	0.284491636123745
4	0.5	12	0.283924457631236
5	0.8	13	0.273880464013384
6	1	16	0.265658964516277
7	0.1	5	0.263765483549417
8	0.9	14	0.257604287109152
9	1.1	18	0.240791436064461

# 3M\_Org – QC Metrics on Integrated Data

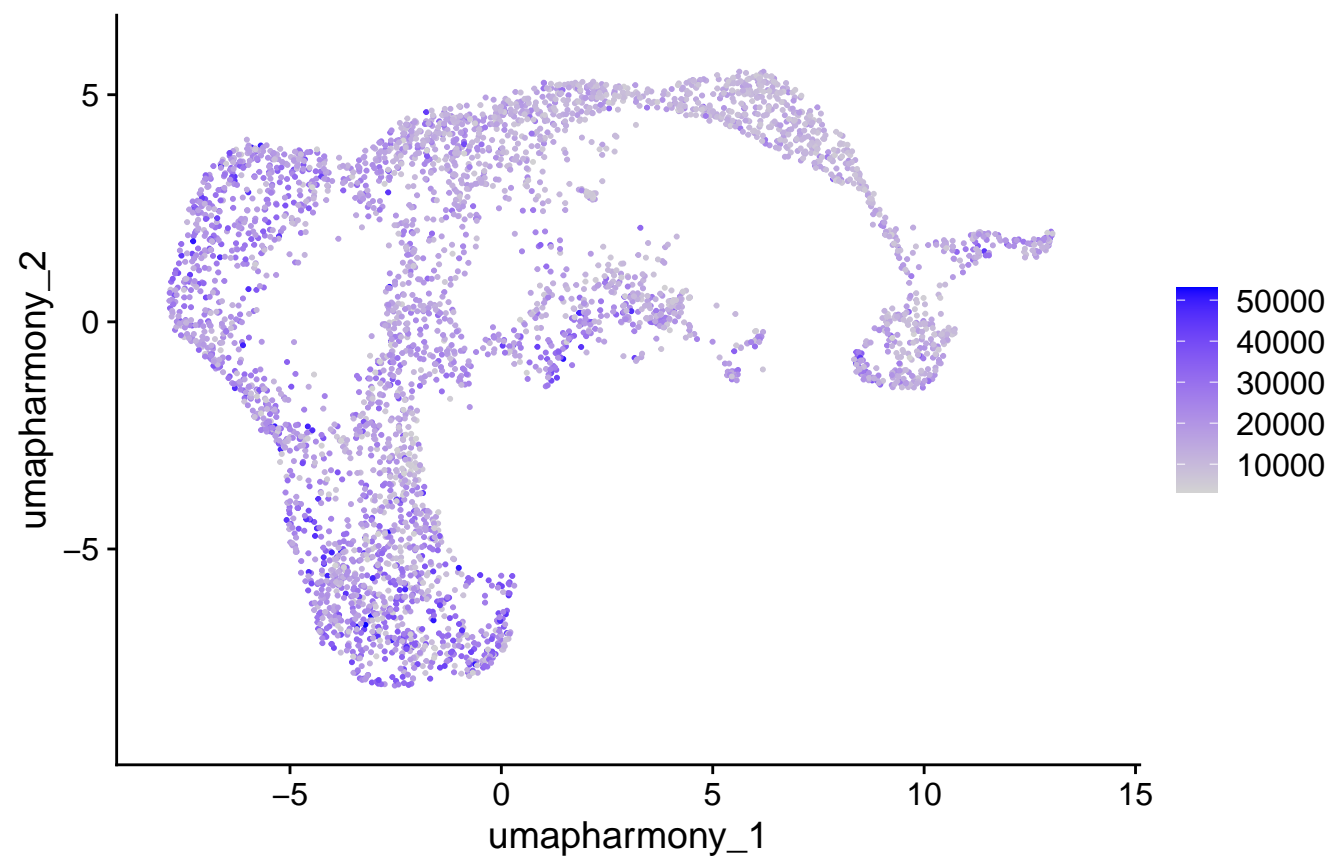
## 3M\_Org: Cell Cycle Phase



## 3M\_Org: nFeature\_RNA



## 3M\_Org: nCount\_RNA



## 3M\_Org: Final Clusters

Resolution: 0.3 (calculated)

