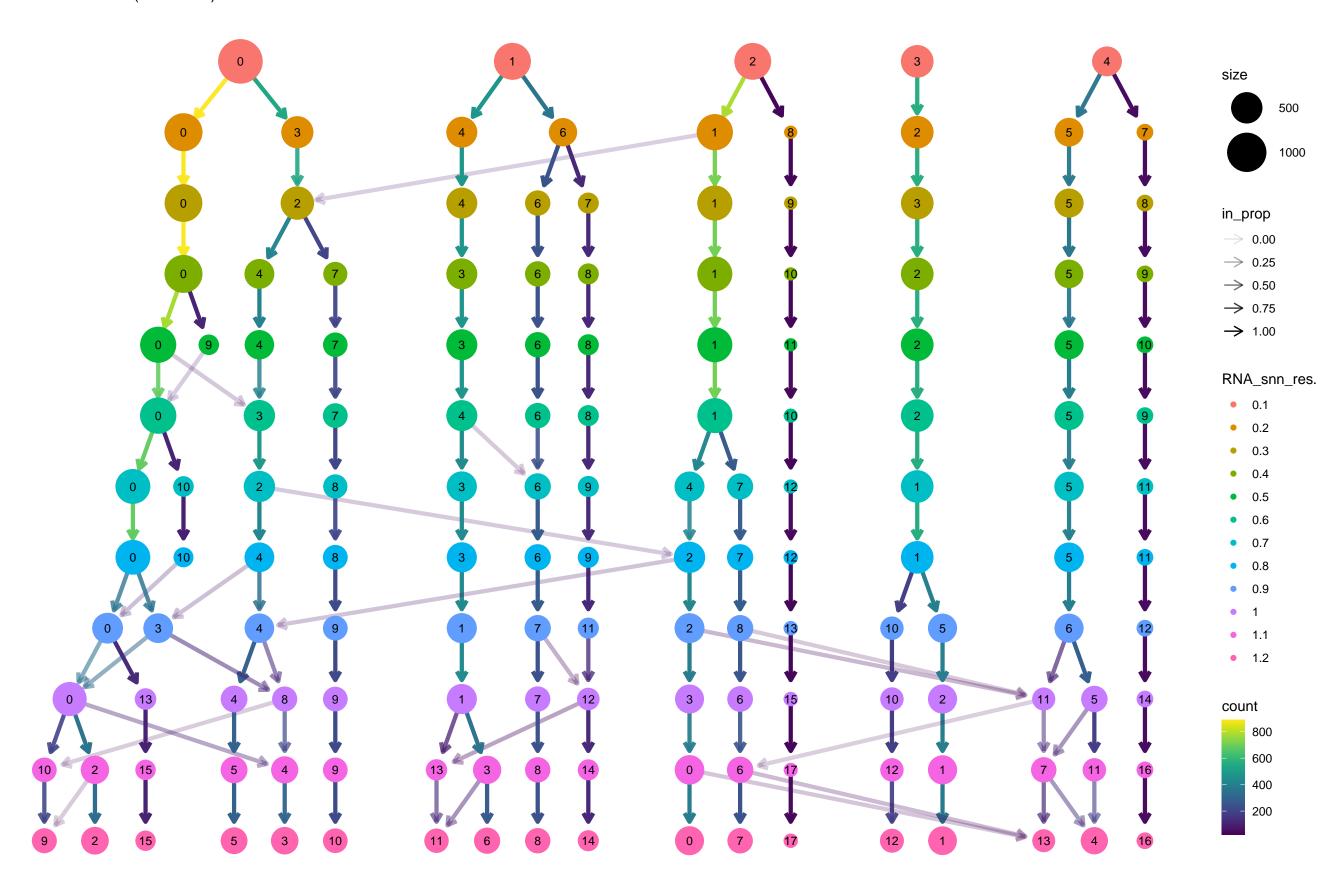
3M_Org - PCA Elbow Analysis (Pre-Integration) 3M_Org: Quantitative PC Selection 3M_Org: Elbow Plot Calculated: 16 PCs | Used: 21 PCs (+5) Calculated: 16 PCs | Used: 21 PCs (+5) Calculated: 16 Used: 21 12.5 -7.5 -10.0 -2 Standard Deviation Variance (%) 7.5 rank > optimal_pcs_calculated a FALSE a TRUE 5 5.0 6 7 8 2.5 2.5 10 20 30 40 50 25 75 100 50 PC Cumulative Variance (%)

3M_Org: Clustree

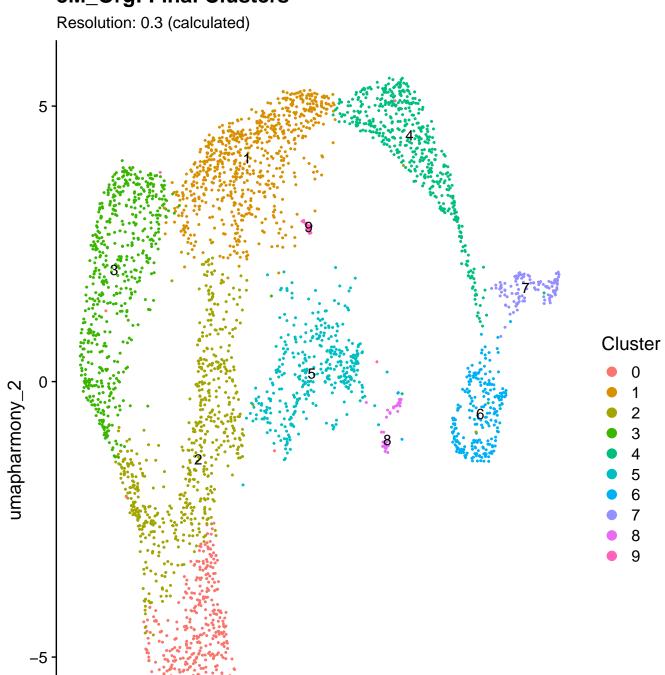
Final resolution: 0.3 (calculated)



3M_Org – Final Clustering Results

3M_Org: Final Clusters

-5



umapharmony_1

10

	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	8.0	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 5 umapharmony_2 α umapharmony Phase 10000 8000 6000 G2M 4000 -5 -**-**5 10 -5 10 umapharmony_1 umapharmony_1 3M_Org: nCount_RNA **3M_Org: Final Clusters** Resolution: 0.3 (calculated) 5 -Cluster umapharmony_2 50000 umapharmony 40000 30000 20000 10000 -5 10 15 10 -5 umapharmony_1 umapharmony_1