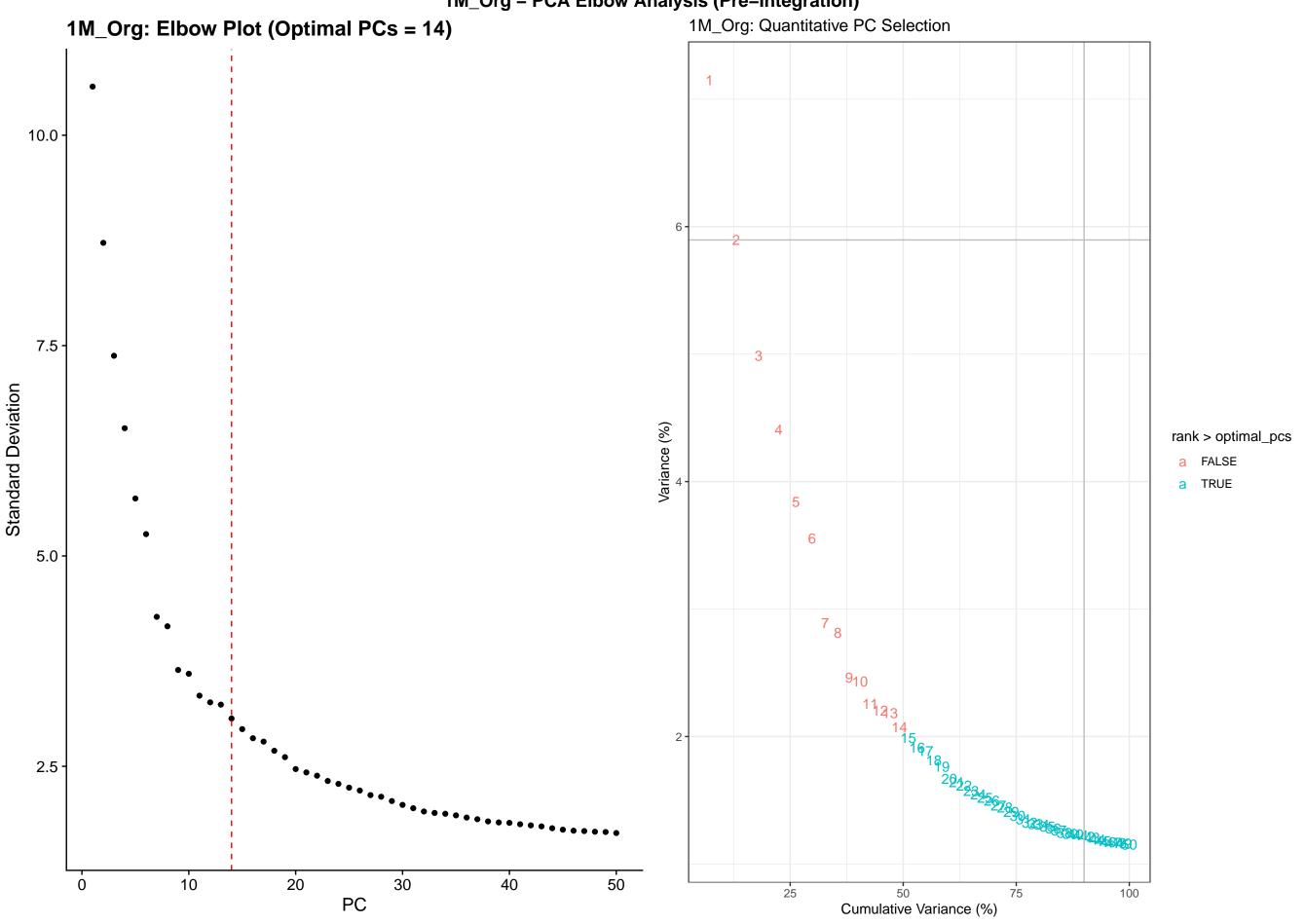
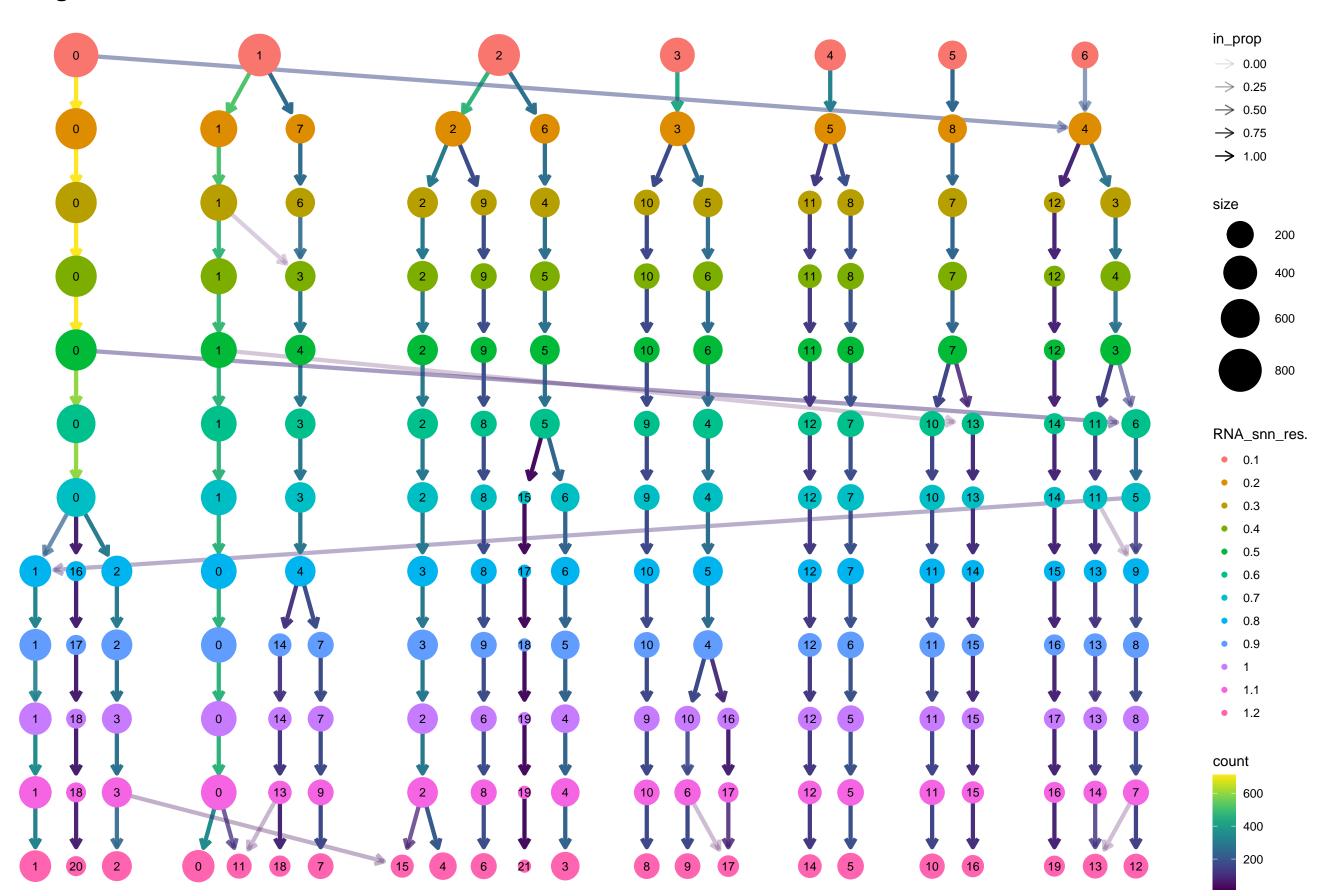
1M_Org - PCA Elbow Analysis (Pre-Integration)

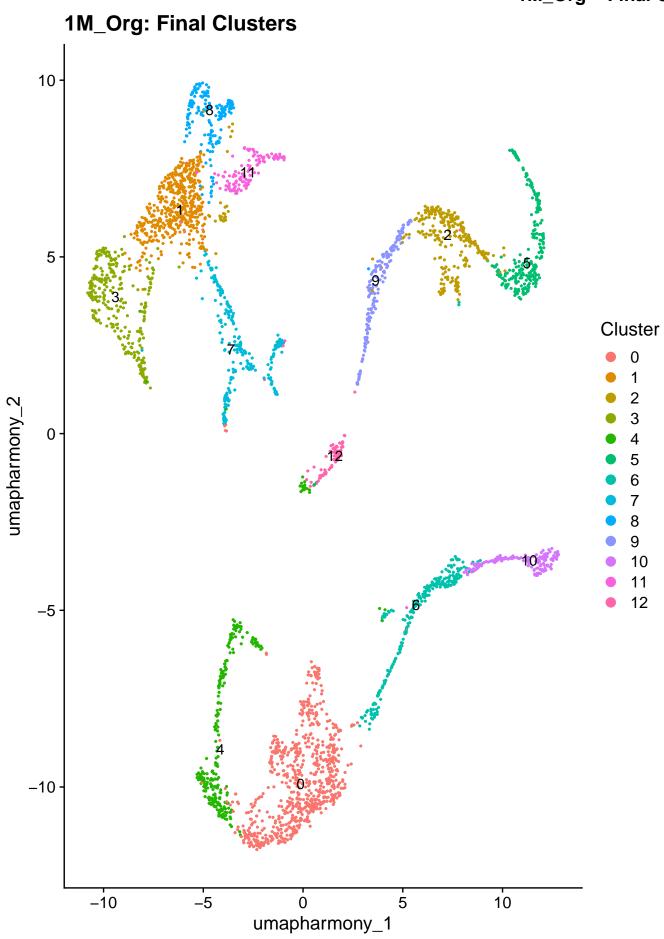


1M_Org – Harmony Integration Comparison 1M_Org: Before Integration 1M_Org: After Harmony Integration 10 10 5 · umapunintegrated_2 umapharmony_2 Sample Sample org_1Aorg_1B org_1Aorg_1B 0 -**-5** -5 **-10 -10** 10 <u>-</u>5 **–**10 **-**5 10 umapunintegrated_1 umapharmony_1

1M_Org: Clustree



1M_Org – Final Clustering Results



	res_vals	num_clusters	avg_sil_vals
1	0.4	13	0.306880963239079
2	0.7	16	0.292759656502037
3	0.6	15	0.292212875815006
4	1.1	20	0.262816418715783
5	8.0	18	0.261319796541482
6	0.9	19	0.253443563785026
7	0.2	9	0.250258206846109
8	0.1	7	0.243703688686436
9	1.2	22	0.231464727213263

1M_Org – QC Metrics on Integrated Data 1M_Org: Cell Cycle Phase 1M_Org: nFeature_RNA 10-10 umapharmony_2 umapharmony_2 10000 Phase 7500 0 -G1 5000 G2M 2500 -5 -5 **-10** -10 **-**5 **–**10 10 **–**10 <u>-</u>5 10 5 umapharmony_1 umapharmony_1 1M_Org: nCount_RNA 1M_Org: Final Clusters 10 -10 Cluster 5 umapharmony_2 umapharmony_2 50000 40000 0 -0 30000 20000 10000 -5 -5 11 -10 · -10· **–**10 -5 10 **–**10 -5 10 5 5 0 umapharmony_1 umapharmony_1