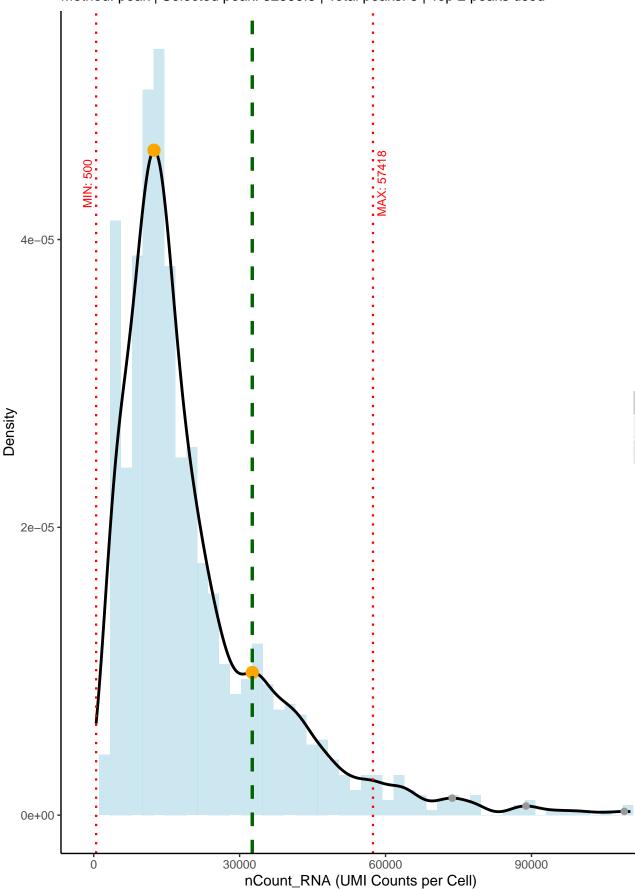
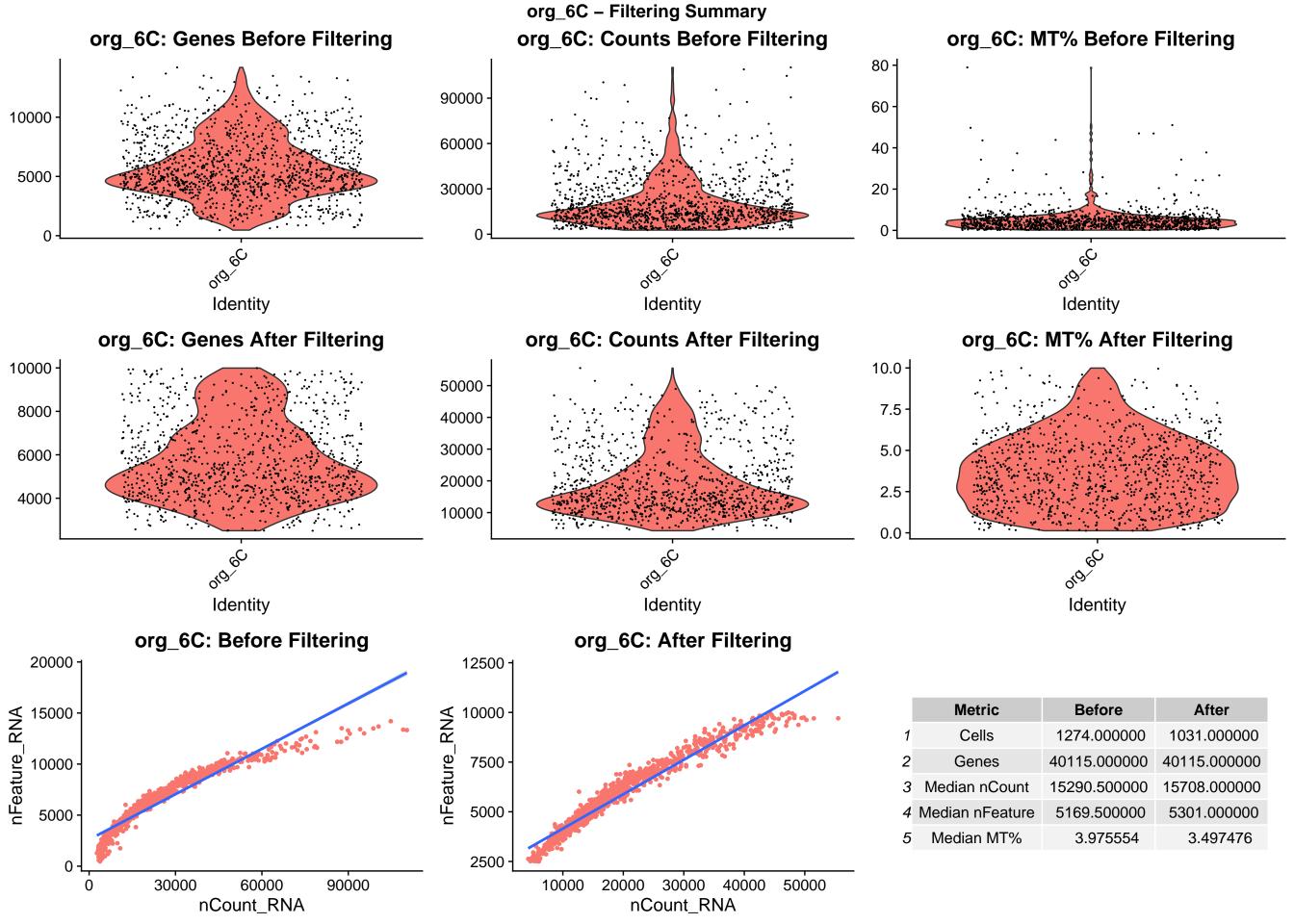
org_6C - Adaptive Threshold Determination

org_6C: nCount_RNA (UMI Counts per Cell) Distribution

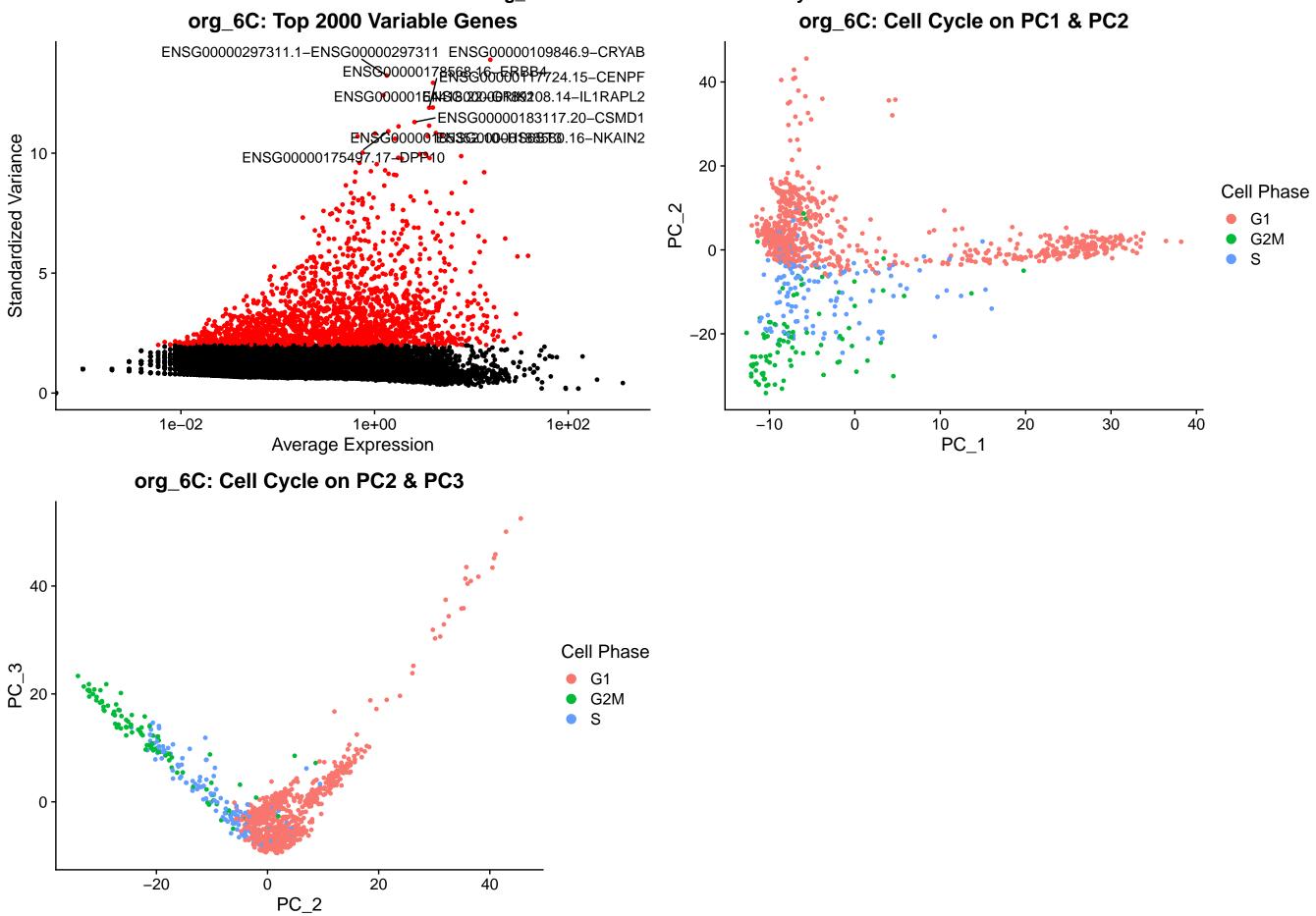
Method: peak | Selected peak: 32599.3 | Total peaks: 5 | Top 2 peaks used



Metric	Method	Selected_Peak	Total_Peaks	Top2_Peaks	SD	MIN_Threshold	MAX_Thres
nFeature_RNA	custom	NA	NA	NA	NA	2500	10000
nCount RNA	peak	32599	5	12398, 32599	16546	500	57418



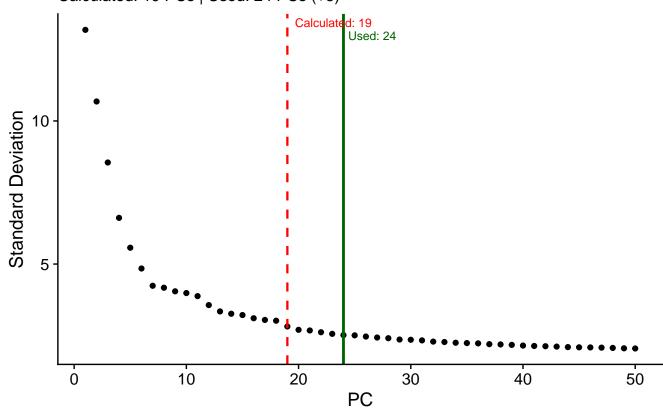
org_6C - Variable Features & Cell Cycle



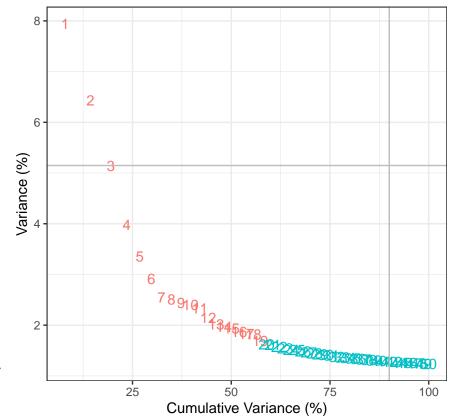
org_6C - PCA Selection & Silhouette Analysis

org_6C: Elbow Plot

Calculated: 19 PCs | Used: 24 PCs (+5)



org_6C: Quantitative PC Selection Calculated: 19 PCs | Used: 24 PCs (+5)

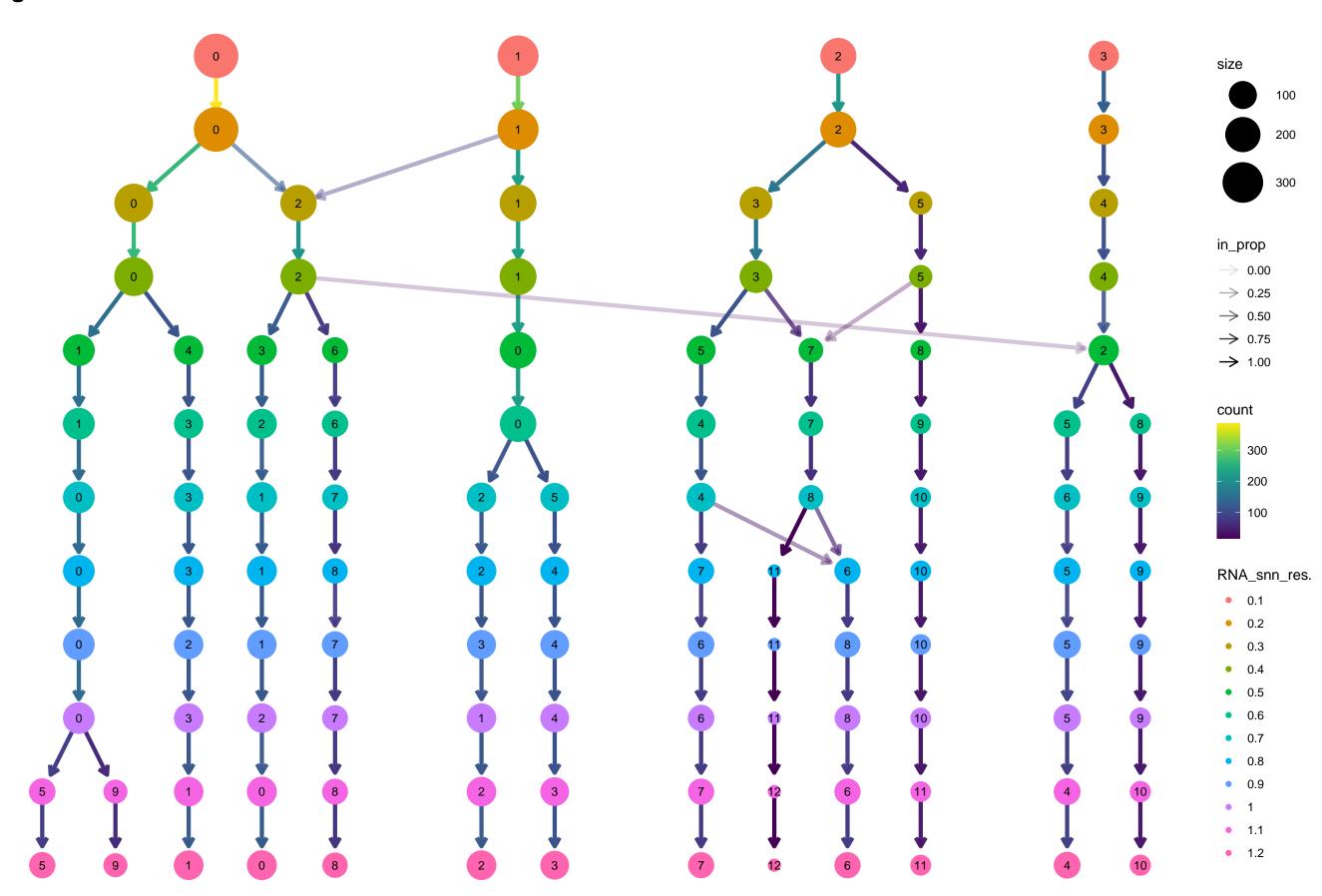


rank > optimal_pcs_calculated

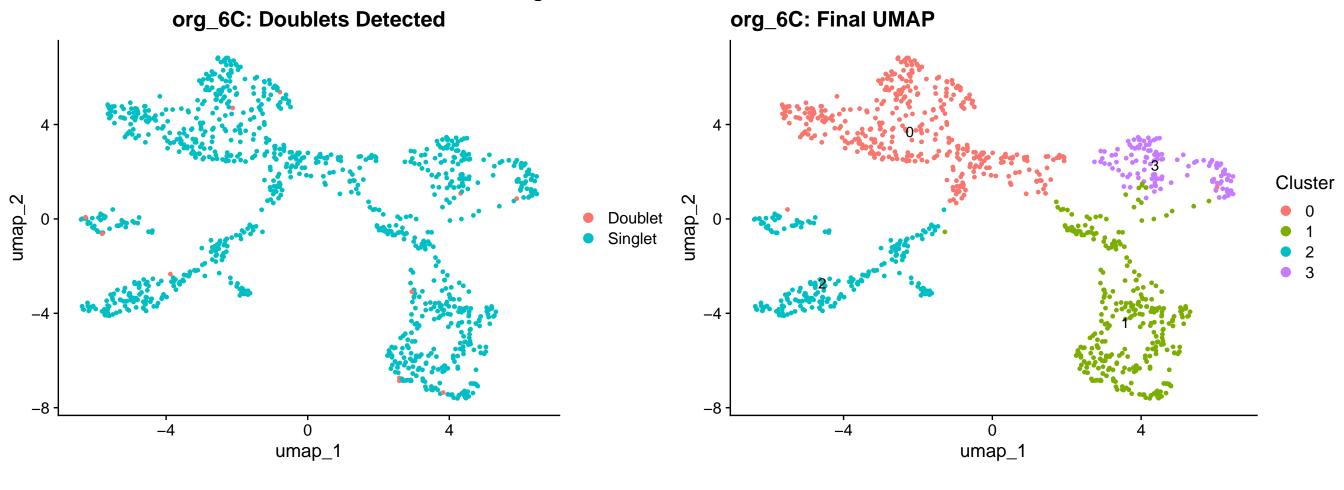
- a FALSE
- a TRUE

	res_vals	num_clusters	avg_sil_vals
1	0.1	4	0.357559678208044
2	0.4	6	0.3368018801232
3	0.6	10	0.2726413631018
4	0.5	9	0.259807083457976
5	0.7	11	0.258822211095107
6	8.0	12	0.254756488557545
7	1.1	13	0.237340006269029

org_6C: Clustree



org_6C - UMAP & Doublet Removal



	DF. classifications	median_nCount	median_nFeature	count
1	Doublet	35880.0	8828	11
2	Singlet	15678.5	5288	1020

org_6C - QC Metrics & Cell Cycle on UMAP org_6C: nFeature_RNA org_6C: nCount_RNA 50000 40000 30000 20000 10000 8000 6000 4000 -8 umap_1 umap_1 org_6C: Final UMAP org_6C: Cell Cycle Phase Cluster Phase umap_2 umap_2 ύ umap_1 o umap_1