**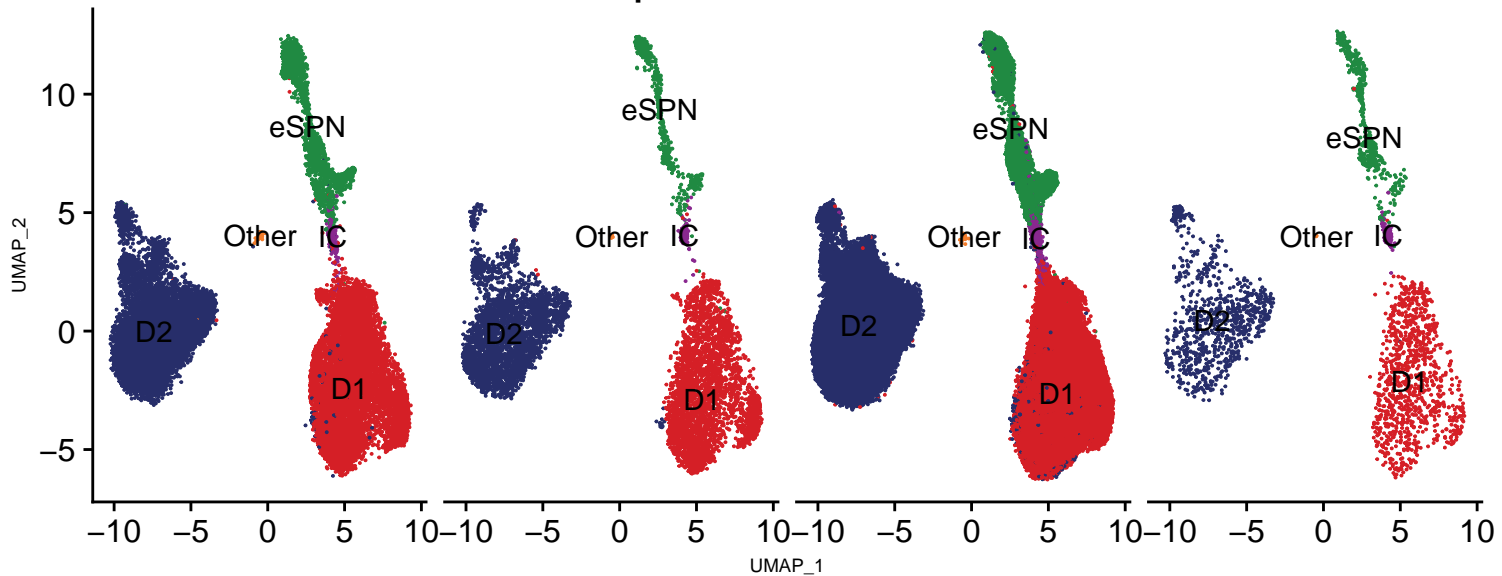integrated_clusters**