UMAP joint hidden dim 1=0.05 latent dim=30 probability=0.5 group=15 learning rate=0.0001 n folds=3 batch size=32 tissue Ovary **Biliary Tract** Head and Neck Skin Central Nervous System Kidney Haematopoietic and Lymphoid Stomach Pancreas Peripheral Nervous System Endometrium Cervix Bone UMAP_2 Lung Esophagus Breast Bladder Thyroid Uterus Large Intestine Soft Tissue Liver Prostate Testis Placenta Vulva Small Intestine Adrenal Gland Eye Unknown

UMAP_1