												Dataset Metric	Detecat
	0.22	0.32	0.88	0.93	0.72	0.94	0.84	0.86	0.50	0.85	0.75	SpatialGLUE	Dataset Lymph Node
	0.16	0.31	0.88	0.87	0.47	0.82	0.23	0.90	0.39	0.59	0.37	MEFISTO	Spleen Thymus
	0.12	0.25	0.88	0.83	0.24	0.79	0.19	0.69	0.00	0.19	0.00	MultiMAP	Metric
	0.16	0.24	0.00	0.02	0.06	0.05	0.00	0.04	0.66	0.01	0.00	QTA lignor	Batch removal
	0.16	0.34	0.89	0.93	0.86	0.95	0.90	0.94	0.66	0.81	0.90	STAligner	Bio Conservation
	0.19	0.31	0.86		0.94		0.94	0.89	0.76	0.46		Harmony	Ranking
Method	ARI Lymph node	AMI Lymph node	graph cLISI Lymph node	Batch ASW Lymph node	Graph iLISI Lymph node	Batch ASW Spleen	Graph iLISI Spleen	Batch ASW Thymus	graph iLISI Thymus	Bio conservation score	Batch removal score		Method Spatial batch correction methods Spatial CITE-seq integration methods