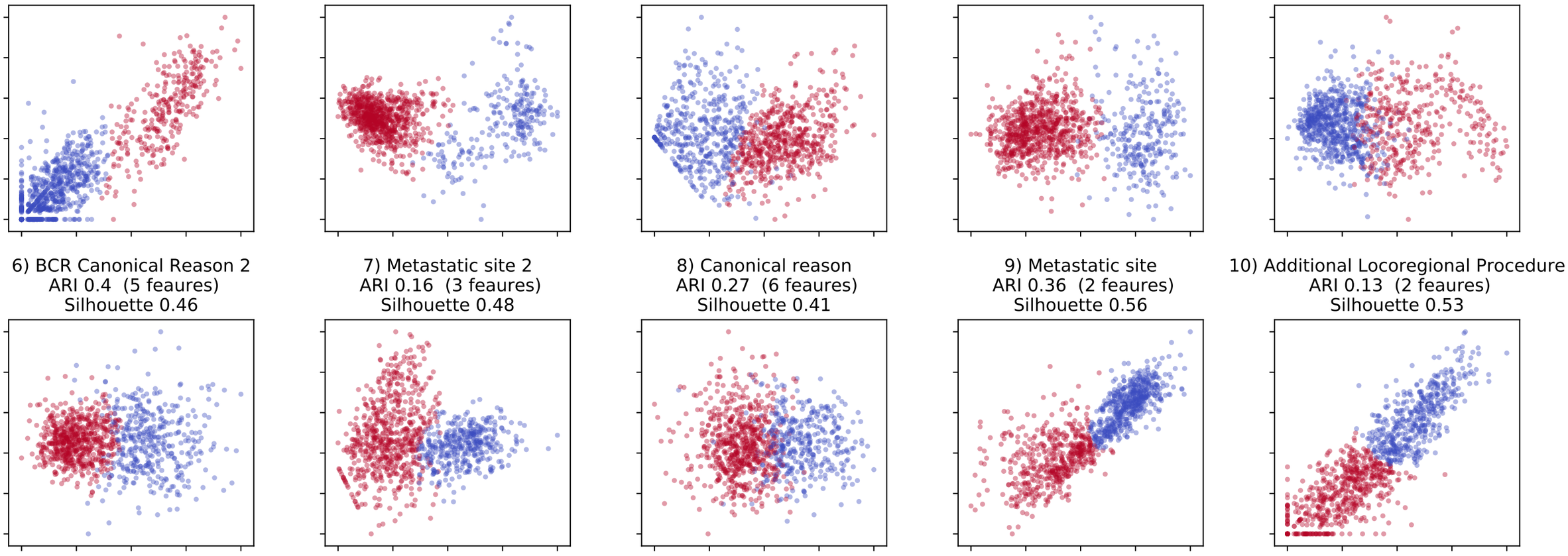
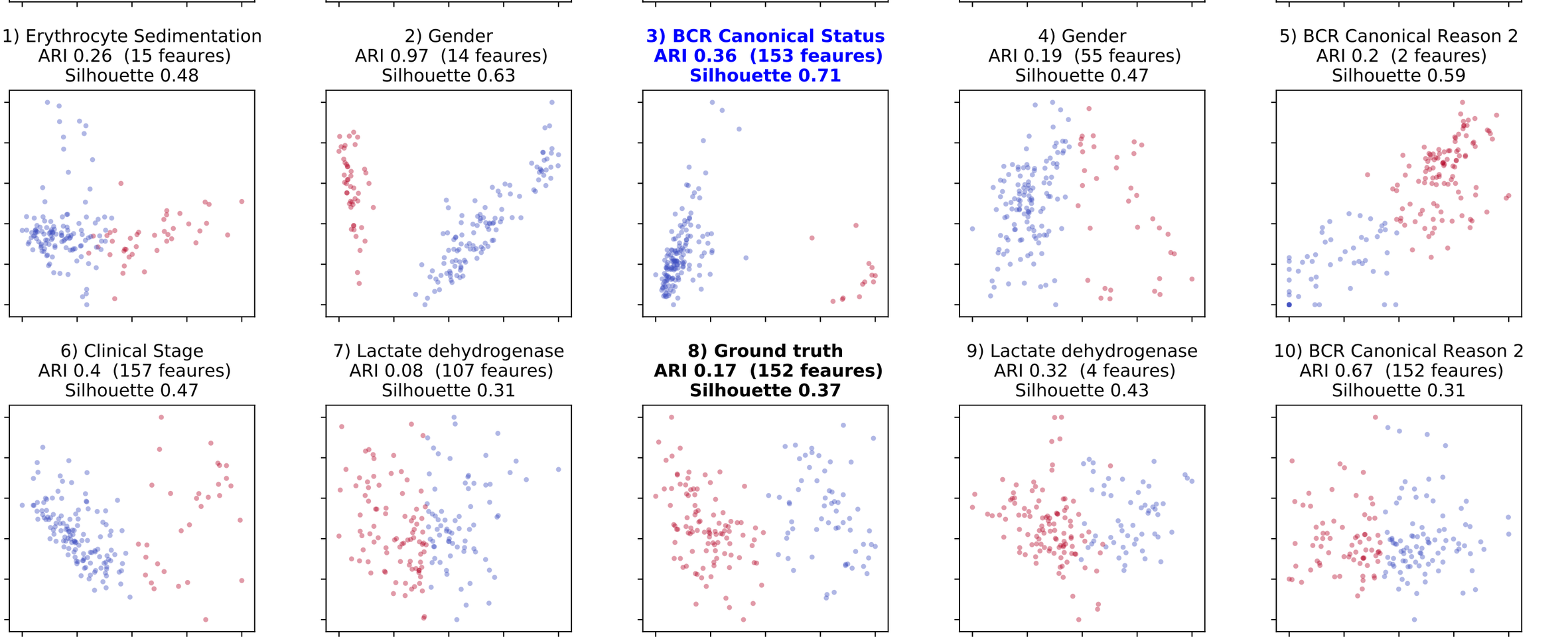
a)



b)



c) ARI scores on bulk RNA-seq datasets

	BRCA ARI	KIRP ARI
Discover + GMM*	0.68	0.17
Discover + HDBSCAN	0.57	0.0
Affinity Propagation	0.02	0.02
Kmeans*	0.39	0.0
GMM*	0.65	0.01
Spectral Clustering*	0.0	0.0
HDBSCAN	0.11	0.07
PCA50+ Kmeans*	0.35	0.0
PCA50 + GMM*	0.36	0.01
PCA50 + HDBSCAN	0.0	0.09
Xgboost+GMM*	**0.71**	**0.38**
Xgboost+HDBSCAN	0.3	0.13
MI+GMM*	0.7	0.3
MI+HDBSCAN	0.53	0.17