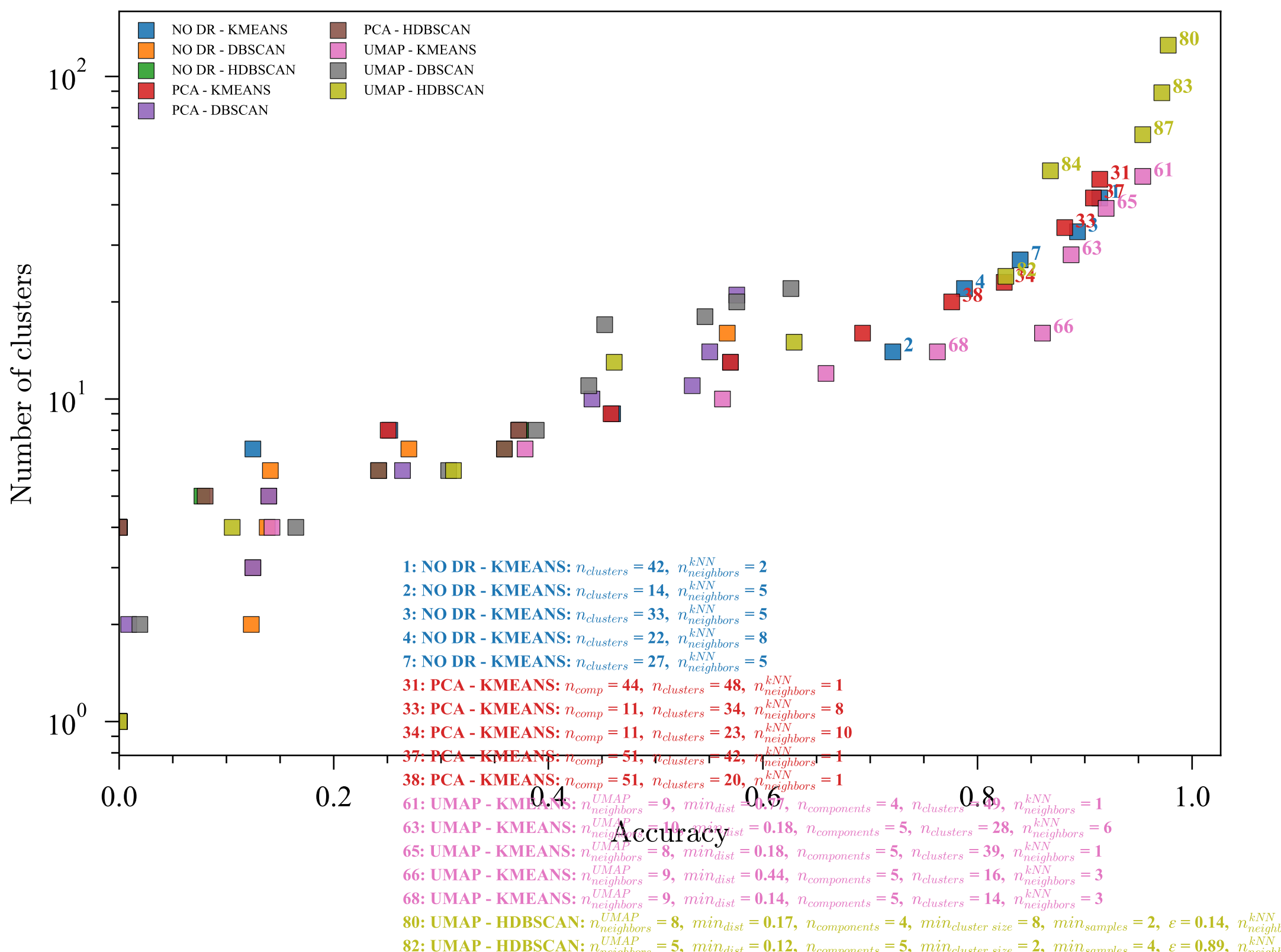
NO DR - KMEANS
NO DR - DBSCAN
NO DR - HDBSCAN
PCA - KMEANS
PCA - DBSCAN
PCA - HDBSCAN
UMAP - KMEANS
UMAP - DBSCAN
UMAP - HDBSCAN
Number of clusters
Accuracy
10^2
10^1
10^0
0.0
0.2
0.4
0.6
0.8
1.0
80
83
87
84
31
61
37
65
33
3
63
7
82
34
4
38
66
2
68
1: NO DR - KMEANS: $n_{clusters} = 42$, $n_{neighbors}^{kNN} = 2$
2: NO DR - KMEANS: $n_{clusters} = 14$, $n_{neighbors}^{kNN} = 5$
3: NO DR - KMEANS: $n_{clusters} = 33$, $n_{neighbors}^{kNN} = 5$
4: NO DR - KMEANS: $n_{clusters} = 22$, $n_{neighbors}^{kNN} = 8$
7: NO DR - KMEANS: $n_{clusters} = 27$, $n_{neighbors}^{kNN} = 5$
31: PCA - KMEANS: $n_{comp} = 44$, $n_{clusters} = 48$, $n_{neighbors}^{kNN} = 1$
33: PCA - KMEANS: $n_{comp} = 11$, $n_{clusters} = 34$, $n_{neighbors}^{kNN} = 8$
34: PCA - KMEANS: $n_{comp} = 11$, $n_{clusters} = 23$, $n_{neighbors}^{kNN} = 10$
37: PCA - KMEANS: $n_{comp} = 51$, $n_{clusters} = 42$, $n_{neighbors}^{kNN} = 1$
38: PCA - KMEANS: $n_{comp} = 51$, $n_{clusters} = 20$, $n_{neighbors}^{kNN} = 1$
61: UMAP - KMEANS: $n_{neighbors}^{UMAP} = 9$, $min_{dist} = 0.07$, $n_{components} = 4$, $n_{clusters} = 49$, $n_{neighbors}^{kNN} = 1$
63: UMAP - KMEANS: $n_{neighbors}^{UMAP} = 10$, $min_{dist} = 0.18$, $n_{components} = 5$, $n_{clusters} = 28$, $n_{neighbors}^{kNN} = 6$
65: UMAP - KMEANS: $n_{neighbors}^{UMAP} = 8$, $min_{dist} = 0.18$, $n_{components} = 5$, $n_{clusters} = 39$, $n_{neighbors}^{kNN} = 1$
66: UMAP - KMEANS: $n_{neighbors}^{UMAP} = 9$, $min_{dist} = 0.44$, $n_{components} = 5$, $n_{clusters} = 16$, $n_{neighbors}^{kNN} = 3$
68: UMAP - KMEANS: $n_{neighbors}^{UMAP} = 9$, $min_{dist} = 0.14$, $n_{components} = 5$, $n_{clusters} = 14$, $n_{neighbors}^{kNN} = 3$
80: UMAP - HDBSCAN: $n_{neighbors}^{UMAP} = 8$, $min_{dist} = 0.17$, $n_{components} = 4$, $min_{cluster\ size} = 8$, $min_{samples} = 2$, $\varepsilon = 0.14$, n_{neighb}^{kNN}
82: UMAP - HDBSCAN: $n_{neighbors}^{UMAP} = 5$, $min_{dist} = 0.12$, $n_{components} = 5$, $min_{cluster\ size} = 2$, $min_{samples} = 4$, $\varepsilon = 0.89$, n_{neigh}^{kNN}