

E1 – hom. 2D–Gaussians													
ARI raw data	0.97	0.99	0.97	0.94	0.99	0.99	0.99	0.99	0.99	0.99	0.93	0.99	0.99
ARI umap	0.89	0.97	0.94	0.67	0.97	0.97	0.97	0.96	0.96	0.95	0.82	0.96	0.96
E2 – het. 2D–Gaussians													
ARI raw data	0.79	0.9	0.94	0.54	0.95	0.96	0.94	0.94	0.84	0.87	0.72	0.9	0.93
ARI umap	0.64	0.9	0.9	0.2	0.86	0.86	0.85	0.87	0.88	0.88	0.52	0.9	0.9
E3 – 2D–Gaussians w/ bridge													
ARI raw data	0.71	0.89	0.58	0.03	0.39	0.62	0.3	0.88	0.9	0.89	0.63	0.9	0.89
ARI umap	0.11	0.5	0.52	−0.15	−0.09	−0.14	0.15	0.47	0.49	0.5	0.18	0.5	0.5
E4 – 2D–Gaussians + irrelev. uniforms													
ARI raw data	0.85	0.95	0.65	0.45	0.67	0.5	0.68	0.59	0.83	0.82	0.33	0.83	0.85
ARI umap	0.8	0.98	0.46	0.8	1	0.91	1	0.9	0.84	0.82	0.87	0.83	0.83
E5 – high–dim. Gaussians w/ irrelev. dimensions													
ARI raw data	0.83	0.97	0.83	0.64	0.85	0.67	0.85	0.77	0.9	0.89	0.21	0.89	0.91
ARI umap	0.85	0.98	0.61	0.84	1	0.93	1	0.93	0.88	0.87	0.9	0.88	0.88
E6 – 2D moons													
ARI raw data	0.93	0.77	0.79	0.81	0.96	0.95	0.96	0.94	0.75	0.71	0.91	0.76	0.91
ARI umap	0.82	0.89	0.89	0.37	0.89	0.86	0.88	0.84	0.77	0.79	0.82	0.87	0.9
E7 – 2D nested circles													
ARI raw data	0.88	0.8	0.59	0.77	0.97	0.93	0.97	0.83	0.02	0.04	0.93	0.65	0.81
ARI umap	0.9	0.91	0.89	−0.69	0.97	0.92	0.98	0.89	0.88	0.88	0.9	0.92	0.92
E8 – 2D nested spirals													
ARI raw data	0.94	0.7	−0.78	0.7	0.96	0.96	0.96	0.96	0.07	0.04	0.91	0.15	0.93
ARI umap	0.9	0.95	0.89	0.73	0.93	0.92	0.93	0.92	0.73	0.74	0.89	0.92	0.93
E9 – high–dim. nested spheres													
ARI raw data	0.93	−0.55	0.87	0.82	0.94	0.92	0.95	0.6	0.13	0.25	−0.36	0.61	0.93
ARI umap	0.85	0.97	0.91	0.9	0.96	0.92	0.95	0.92	0.89	0.89	0.88	0.94	0.92
	DCSI	DSI	Density	ClisCoef	N1	N2	N3	LSC	CH*	DB*	Dunn*	Silhouette*	CVNN*