| | 20% CS | | | | | |
Dataset	PCCC	PCCC-N2-S-RD	COPKM	CSC	DILS	LCC
n1000-k10	**0.996**	**0.996**	**0.996**	0.356	0.147	0.870
n1000-k100	0.064	**0.320**	0.296	0.007	0.007	0.299
n1000-k2	**1.000**	**1.000**	**1.000**	**1.000**	**1.000**	–
n1000-k20	**0.958**	0.957	–	0.026	0.018	0.631
n1000-k5	**1.000**	**1.000**	**1.000**	0.727	0.667	**1.000**
n1000-k50	0.558	**0.685**	–	0.011	0.011	0.463
n2000-k10	**1.000**	**1.000**	**1.000**	0.758	0.023	0.930
n2000-k100	0.414	**0.498**	0.382	0.008	0.002	0.352
n2000-k2	**1.000**	**1.000**	–	**1.000**	**1.000**	–
n2000-k20	**0.998**	**0.998**	0.996	0.045	0.005	0.716
n2000-k5	**1.000**	**1.000**	**1.000**	0.727	0.212	–
n2000-k50	**0.891**	0.864	–	0.020	0.003	0.531
n5000-k10	**1.000**	**1.000**	–	0.753	0.002	–
n5000-k100	0.795	**0.834**	–	0.018	0.000	–
n5000-k2	**1.000**	**1.000**	–	**1.000**	0.406	–
n5000-k20	**1.000**	**1.000**	–	0.241	0.001	–
n5000-k5	**1.000**	**1.000**	–	0.821	0.011	–
n5000-k50	**0.993**	0.992	0.988	0.025	0.000	–
n500–k10	**0.982**	**0.982**	0.973	0.066	0.440	0.725
n500-k100	**0.272**	**0.272**	0.239	0.005	0.021	0.263
n500-k2	**1.000**	**1.000**	**1.000**	**1.000**	**1.000**	**1.000**
n500-k20	0.828	**0.846**	–	0.024	0.083	0.606
n500-k5	**1.000**	**1.000**	**1.000**	0.682	0.896	0.992
n500-k50	0.499	**0.513**	0.447	0.007	0.036	0.432
Mean	0.844	**0.865**	0.472[*]	0.388	0.250	0.409[*]

[*]Nan values (–) are replaced with 0 before computing the mean.

Table W79: Average Adjusted Rand Index (ARI) values of the versions of the PCCC algorithm and the four state-of-the-art algorithms (COPKM, CSC, DILS, LCC) obtained with constraint sets of size 20% CS. Higher values indicate more overlap with the ground truth assignment. The highest values are stated in bold. The column KMEANS reports the average ARI values that were obtained with the unconstrained k-means algorithm. The hyphen indicates that the respective algorithm returned no solution within the time limit of 3,600 seconds.