	10% CS							
Dataset	PCCC	PCCC-R	COPKM	CSC	DILS	LCC	KMEANS	GT
Appendicitis	**0**	**0**	–	11	**0**	5	5	0
Breast Cancer	**0**	**0**	–	717	**0**	85	133	0
Bupa	**0**	**0**	–	261	**0**	44	211	0
Circles	**0**	**0**	–	**0**	**0**	39	109	0
Ecoli	**0**	**0**	**0**	74	1	3	34	0
Glass	**0**	**0**	**0**	118	**0**	13	57	0
Haberman	**0**	**0**	**0**	159	**0**	21	92	0
Hayesroth	**0**	**0**	–	69	**0**	11	31	0
Heart	**0**	**0**	–	156	**0**	75	44	0
Ionosphere	**0**	**0**	–	245	**0**	93	126	0
Iris	**0**	**0**	**0**	21	**0**	**0**	1	0
Led7Digit	**0**	**0**	**0**	512	4	24	85	0
Monk2	**0**	**0**	**0**	**0**	**0**	99	239	0
Moons	**0**	**0**	–	**0**	**0**	19	78	0
Movement Libras	**0**	**0**	**0**	68	**0**	7	24	0
Newthyroid	**0**	**0**	**0**	69	1	21	33	0
Saheart	**0**	**0**	**0**	52	**0**	118	226	0
Sonar	**0**	**0**	–	108	**0**	32	65	0
Soybean	**0**	**0**	**0**	5	**0**	**0**	0	0
Spectfheart	**0**	**0**	–	113	**0**	31	93	0
Spiral	**0**	**0**	–	84	1	45	95	0
Tae	**0**	**0**	–	51	**0**	5	24	0
Vehicle	**0**	**0**	–	303	164	–	760	0
Wine	**0**	**0**	**0**	24	**0**	1	8	0
Zoo	**0**	**0**	**0**	13	**0**	**0**	0	0
Mean	**0**	**0**	**0***	129	7	33*	103	0

*Nan values (–) are ignored when computing the sum.

Table W18: Average number of cannot-link constraint violations of the PCCC and the PCCC-R algorithms and the four state-of-the-art algorithms (COPKM, CSC, DILS, LCC) for the constraint sets of size 10% CS. The lowest values are stated in bold. The column KMEANS reports the average number of cannot-link constraint violations obtained with the k-means algorithm. The hyphen indicates that the respective algorithm returned no solution within the time limit of 1,800 seconds.