Dataset	15% CS						
	PCCC	PCCC-R	COPKM	CSC	DILS	LCC	KMEANS
Appendicitis	**0**	**0**	–	1	1	18	22
Breast Cancer	**0**	**0**	**0**	1,676	**0**	**0**	337
Bupa	**0**	**0**	**0**	608	**0**	–	464
Circles	**0**	**0**	**0**	**0**	**0**	**0**	253
Ecoli	**0**	**0**	–	92	7	38	114
Glass	**0**	**0**	–	272	1	36	125
Haberman	**0**	**0**	**0**	394	**0**	12	252
Hayesroth	**0**	**0**	–	67	**0**	31	54
Heart	**0**	**0**	**0**	141	**0**	39	145
Ionosphere	**0**	**0**	**0**	554	**0**	318	272
Iris	**0**	**0**	**0**	**0**	**0**	**0**	1
Led7Digit	**0**	**0**	–	895	27	–	178
Monk2	**0**	**0**	**0**	13	**0**	**0**	539
Moons	**0**	**0**	**0**	**0**	**0**	40	128
Movement Libras	**0**	**0**	**0**	128	3	34	77
Newthyroid	**0**	**0**	**0**	76	2	49	87
Saheart	**0**	**0**	**0**	123	**0**	–	495
Sonar	**0**	**0**	–	247	**0**	27	135
Soybean	**0**	**0**	**0**	13	**0**	**0**	1
Spectfheart	**0**	**0**	**0**	263	**0**	**0**	225
Spiral	**0**	**0**	–	2	**0**	21	239
Tae	**0**	**0**	–	49	2	40	62
Vehicle	**0**	**0**	**0**	852	211	–	1,725
Wine	**0**	**0**	**0**	**0**	**0**	**0**	14
Zoo	**0**	**0**	**0**	9	**0**	**0**	1
Mean	**0**	**0**	**0**[*]	259	10	33[*]	238

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

Table W19: 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 15% 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.