Dataset	20% CS						
	PCCC	PCCC-R	COPKM	CSC	DILS	LCC	KMEANS
Appendicitis	**0**	**0**	–	**0**	**0**	20	19
Breast Cancer	**0**	**0**	**0**	2,930	**0**	–	587
Bupa	**0**	**0**	**0**	1,116	**0**	**0**	875
Circles	**0**	**0**	**0**	**0**	**0**	–	468
Ecoli	**0**	**0**	–	136	13	141	198
Glass	**0**	**0**	–	157	1	63	215
Haberman	**0**	**0**	**0**	745	**0**	**0**	473
Hayesroth	**0**	**0**	–	124	**0**	24	106
Heart	**0**	**0**	**0**	27	**0**	**0**	219
Ionosphere	**0**	**0**	**0**	1,075	**0**	–	463
Iris	**0**	**0**	**0**	**0**	**0**	**0**	1
Led7Digit	**0**	**0**	–	1,445	98	449	327
Monk2	**0**	**0**	**0**	82	**0**	–	895
Moons	**0**	**0**	**0**	16	**0**	**0**	225
Movement Libras	**0**	**0**	–	273	15	98	147
Newthyroid	**0**	**0**	**0**	29	**0**	50	193
Saheart	**0**	**0**	**0**	1,914	**0**	–	928
Sonar	**0**	**0**	**0**	416	**0**	**0**	231
Soybean	**0**	**0**	**0**	2	**0**	1	0
Spectfheart	**0**	**0**	**0**	463	**0**	**0**	390
Spiral	**0**	**0**	–	**0**	**0**	**0**	432
Tae	**0**	**0**	–	106	**0**	63	120
Vehicle	**0**	**0**	**0**	5,635	373	–	3,088
Wine	**0**	**0**	**0**	4	**0**	**0**	23
Zoo	**0**	**0**	**0**	29	**0**	1	4
Mean	**0**	**0**	**0**[*]	669	20	48[*]	425

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

Table W20: 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 20% 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.