	15% CS							
Dataset	PCCC	PCCC-R	COPKM	CSC	DILS	LCC	KMEANS	GT
Appendicitis	**612.9**	**612.9**	–	**612.9**	613.8	730.3	451.8	612.9
Breast Cancer	**12,214.6**	**12,214.6**	**12,214.6**	16,270.2	**12,214.6**	**12,214.6**	11,595.7	12,214.6
Bupa	2,047.3	2,047.3	2,047.3	**1,818.8**	2,047.3	–	1,496.1	2,047.3
Circles	**600.0**	**600.0**	**600.0**	**600.0**	**600.0**	**600.0**	410.4	600.0
Ecoli	**1,027.7**	**1,027.7**	–	1,661.7	1,853.7	1,032.2	703.6	1,335.3
Glass	1,266.5	**1,266.2**	–	1,571.1	1,690.4	1,283.0	811.2	1,429.3
Haberman	891.4	891.4	891.4	**870.2**	891.4	892.3	701.4	891.4
Hayesroth	**553.1**	**553.1**	–	624.8	602.6	575.7	425.9	553.5
Heart	3,120.5	3,120.5	3,120.5	**3,107.3**	3,120.5	3,169.0	2,941.9	3,120.5
Ionosphere	**10,971.5**	**10,971.5**	**10,971.5**	11,275.2	**10,971.5**	**10,971.5**	9,086.0	10,971.5
Iris	141.2	**141.0**	141.2	204.8	220.4	**141.0**	141.2	167.9
Led7Digit	**1,449.4**	**1,449.4**	–	3,271.0	2,912.9	–	1,103.6	1,511.4
Monk2	2,384.3	2,384.3	2,384.3	**2,374.9**	2,384.3	2,384.3	2,306.5	2,384.3
Moons	**322.9**	**322.9**	**322.9**	**322.9**	**322.9**	377.8	249.7	322.9
Movement Libras	15,614.0	**15,591.8**	17,765.9	29,485.0	26,427.9	15,601.2	10,433.8	19,779.5
Newthyroid	**550.9**	**550.9**	**550.9**	880.6	587.4	699.6	462.3	550.9
Saheart	3,927.7	3,927.7	3,927.7	**3,824.2**	3,927.7	–	3,235.8	3,927.7
Sonar	**11,962.9**	**11,962.9**	–	12,166.3	**11,962.9**	12,096.2	10,649.6	11,962.9
Soybean	**367.1**	**367.1**	**367.1**	852.0	520.6	**367.1**	367.1	367.1
Spectfheart	11,268.3	11,268.3	11,281.1	**10,276.8**	11,268.3	11,268.3	8,983.9	11,268.3
Spiral	564.5	564.5	–	**563.3**	564.5	564.6	379.7	564.5
Tae	**684.3**	**684.3**	–	706.9	692.6	699.6	480.1	713.8
Vehicle	13,334.2	13,334.2	13,334.2	**13,156.4**	13,452.4	–	5,980.7	13,334.2
Wine	**1,285.1**	**1,285.1**	**1,285.1**	1,653.0	1,677.0	1,319.0	1,279.7	1,300.0
Zoo	**556.3**	**556.3**	575.8	1,190.9	783.6	557.2	527.2	579.6
Mean	3,908.7	**3,907.8**	–	4,773.7	4,492.4	–	3,008.2	4,100.5

Table W15: Minimum Inertia values 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. Lower values indicate more coherent clusters. The lowest values are stated in bold. The column KMEANS reports the minimum inertia value obtained with the k-means algorithm. The hyphen indicates that the respective algorithm returned no solution within the time limit of 1,800 seconds.