	5% CS							
Dataset	PCCC	PCCC-R	COPKM	CSC	DILS	LCC	KMEANS	GT
Appendicitis	**491.8**	**491.8**	538.0	738.5	736.0	**491.8**	451.8	612.9
Breast Cancer	**12,084.2**	**12,084.2**	–	16,966.6	13,697.8	13,015.9	11,595.7	12,214.6
Bupa	**1,850.0**	**1,850.0**	–	2,067.2	2,028.3	1,927.1	1,496.1	2,047.3
Circles	473.8	473.8	–	593.5	594.4	**472.3**	410.4	600.0
Ecoli	**788.4**	**788.4**	841.6	2,316.7	1,979.2	1,066.6	703.6	1,335.3
Glass	**813.8**	**813.8**	849.0	1,817.6	1,803.4	835.4	811.2	1,429.3
Haberman	**800.2**	**800.2**	–	916.3	855.0	812.6	701.4	891.4
Hayesroth	460.3	**453.8**	473.4	629.3	594.8	457.4	425.9	553.5
Heart	3,045.5	**3,045.4**	–	3,463.0	3,155.3	3,050.1	2,941.9	3,120.5
Ionosphere	10,259.7	**10,259.0**	–	11,449.8	11,191.3	10,567.4	9,086.0	10,971.5
Iris	**146.3**	**146.3**	149.0	582.4	149.8	**146.3**	141.2	167.9
Led7Digit	1,153.4	**1,147.9**	1,286.6	3,373.4	2,532.6	–	1,103.6	1,511.4
Monk2	**2,358.9**	**2,358.9**	–	2,584.7	2,491.2	2,440.3	2,306.5	2,384.3
Moons	**283.7**	**283.7**	322.8	595.9	364.8	304.1	249.7	322.9
Movement Libras	11,124.3	**10,821.1**	11,223.0	30,508.3	22,379.1	10,931.0	10,433.8	19,779.5
Newthyroid	**506.1**	**506.1**	**506.1**	1,064.3	1,062.2	**506.1**	462.3	550.9
Saheart	**3,756.5**	**3,756.5**	–	4,127.2	3,899.3	3,920.6	3,235.8	3,927.7
Sonar	**11,289.1**	**11,289.1**	–	12,285.8	11,999.1	11,412.8	10,649.6	11,962.9
Soybean	**367.1**	**367.1**	**367.1**	920.6	628.9	**367.1**	367.1	367.1
Spectfheart	10,468.4	10,468.0	–	11,704.3	11,286.5	**10,463.7**	8,983.9	11,268.3
Spiral	**462.7**	**462.7**	–	596.3	487.1	470.7	379.7	564.5
Tae	**486.3**	**486.3**	504.6	740.6	628.5	507.4	480.1	713.8
Vehicle	**9,838.0**	**9,838.0**	–	14,804.5	12,096.3	9,934.9	5,980.7	13,334.2
Wine	**1,284.7**	**1,284.7**	**1,284.7**	2,262.6	1,812.4	**1,284.7**	1,279.7	1,300.0
Zoo	571.5	**546.5**	565.0	1,425.6	1,259.0	566.7	527.2	579.6
Mean	3,406.6	**3,392.9**	–	5,141.4	4,388.5	–	3,008.2	4,100.5

Table W13: 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 5% 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.