				10% CS				
	PCCC	PCCC-R	COPKM	CSC	DILS	LCC	KMEANS	GT
Dataset								
Appendicitis	544.2	544.2	_	726.0	553.7	621.5	451.8	612.9
Breast Can-	$12,\!185.0$	$12,\!185.0$	_	$16,\!686.3$	$12,\!214.6$	$13,\!499.0$	$11,\!595.7$	$12,\!214.6$
cer								
Bupa	2,041.6	2,041.6	_	$1,\!850.9$	2,048.0	2,049.1	$1,\!496.1$	2,047.3
Circles	598.8	598.8	_	599.8	599.8	$\boldsymbol{590.0}$	410.4	600.0
Ecoli	962.1	962.1	1,045.1	1,795.6	2,000.2	1,225.3	703.6	$1,\!335.3$
Glass	1,084.3	$1,\!071.5$	$1,\!187.0$	1,618.8	1,777.1	1,130.6	811.2	$1,\!429.3$
Haberman	889.4	889.4	889.4	$\boldsymbol{870.2}$	893.2	910.4	701.4	891.4
Hayesroth	520.6	515.9	_	614.0	563.0	521.0	425.9	553.5
Heart	$3,\!085.1$	$3,\!085.1$	_	3,432.4	$3,\!086.2$	$3,\!440.5$	2,941.9	$3,\!120.5$
Ionosphere	10,944.9	10,944.9	_	$11,\!332.8$	11,021.0	$11,\!131.9$	9,086.0	10,971.5
Iris	$\boldsymbol{146.2}$	$\boldsymbol{146.2}$	156.1	437.0	147.4	146.2	141.2	167.9
Led7Digit	$1,\!383.8$	$1,\!364.3$	$1,\!450.7$	$3,\!324.8$	$2,\!830.5$	1,423.1	$1,\!103.6$	1,511.4
Monk2	$2,\!382.7$	$2,\!382.7$	$2,\!382.7$	$2,\!382.6$	$2,\!384.1$	$2,\!488.1$	$2,\!306.5$	$2,\!384.3$
Moons	322.1	322.1	_	322.9	322.1	313.2	249.7	322.9
Movement	11,688.3	$11,\!542.3$	$12,\!515.9$	30,041.1	$22,\!619.6$	12,121.3	10,433.8	19,779.5
Libras								
Newthyroid	$\boldsymbol{536.0}$	$\boldsymbol{536.0}$	$\boldsymbol{536.0}$	969.2	1,025.5	589.2	462.3	550.9
Saheart	3,924.3	3,924.3	3,924.3	$3,\!905.9$	3,924.3	4,055.0	$3,\!235.8$	3,927.7
Sonar	$11,\!873.8$	$11,\!873.8$	_	$12,\!166.3$	11,923.6	$12,\!232.8$	10,649.6	11,962.9
Soybean	367.1	367.1	367.1	906.4	666.1	428.4	367.1	367.1
Spectfheart	$11,\!210.5$	$11,\!210.5$	_	$11,\!042.8$	$11,\!281.3$	$11,\!189.0$	8,983.9	$11,\!268.3$
Spiral	$\bf 558.2$	$\bf 558.2$	_	584.3	558.2	567.0	379.7	564.5
Tae	$\boldsymbol{594.1}$	$\boldsymbol{594.1}$	_	729.0	637.8	600.3	480.1	713.8
Vehicle	$13,\!250.1$	$13,\!250.1$	_	14,038.4	$13,\!616.6$	_	5,980.7	$13,\!334.2$
Wine	$1,\!285.1$	$1,\!285.1$	$1,\!285.1$	2,020.2	1,743.2	$1,\!287.3$	$1,\!279.7$	$1,\!300.0$
Zoo	553.1	553.1	579.9	1,067.5	1,152.1	574.4	527.2	579.6
Mean	3,717.3	3,709.9	_	4,938.6	4,383.6	_	3,008.2	4,100.5

Table W14: 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 10% 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.