				$20\%~\mathrm{CS}$				
	PCCC	PCCC-R	COPKM	CSC	DILS	LCC	KMEANS	GT
Dataset								
Appendicitis	612.9	612.9	_	612.9	612.9	670.9	451.8	612.9
Breast	12,214.6	$12,\!214.6$	$12,\!214.6$	$16,\!270.2$	$12,\!214.6$	_	$11,\!595.7$	$12,\!214.6$
Cancer								
Bupa	2,047.3	2,047.3	2,047.3	1,844.4	2,047.3	2,047.3	1,496.1	2,047.3
Circles	600.0	$\boldsymbol{600.0}$	600.0	$\boldsymbol{600.0}$	600.0	_	410.4	600.0
Ecoli	1,116.3	$1,\!116.3$	_	$1,\!594.0$	1,846.0	1,181.5	703.6	$1,\!335.3$
Glass	1,410.6	$1,\!410.6$	_	1,402.1	$1,\!563.9$	$1,\!391.5$	811.2	$1,\!429.3$
Haberman	891.4	891.4	891.4	$\boldsymbol{870.2}$	891.4	891.4	701.4	891.4
Hayesroth	551.1	551.1	_	567.8	556.0	$\boldsymbol{550.9}$	425.9	553.5
Heart	$3,\!120.5$	$3,\!120.5$	$3,\!120.5$	3,080.0	$3,\!120.5$	$3,\!120.5$	2,941.9	$3,\!120.5$
Ionosphere	10,971.5	$10,\!971.5$	$10,\!971.5$	$11,\!388.9$	10,971.5	_	9,086.0	10,971.5
Iris	145.0	145.0	152.7	216.5	220.4	145.2	141.2	167.9
Led7Digit	$1,\!511.0$	$1,\!511.0$	_	$3,\!164.3$	2,921.6	2,020.8	$1,\!103.6$	1,511.4
Monk2	$2,\!384.3$	$2,\!384.3$	$2,\!384.3$	$2,\!346.5$	2,384.3	_	$2,\!306.5$	$2,\!384.3$
Moons	322.9	322.9	322.9	$\boldsymbol{314.5}$	322.9	322.9	249.7	322.9
Movement	$18,\!304.7$	$18,\!036.8$	_	$29,\!863.8$	$26,\!488.2$	$18,\!665.1$	$10,\!433.8$	19,779.5
Libras								
Newthyroid	$\boldsymbol{550.4}$	$\boldsymbol{550.4}$	$\bf 550.4$	900.5	550.9	558.0	462.3	550.9
Saheart	3,927.7	3,927.7	3,927.7	4,083.2	3,927.7	_	$3,\!235.8$	3,927.7
Sonar	11,962.9	11,962.9	11,962.9	$12,\!166.3$	$11,\!962.9$	$11,\!962.9$	10,649.6	11,962.9
Soybean	367.1	367.1	367.1	829.6	506.6	367.1	367.1	367.1
Spectfheart	11,268.3	$11,\!268.3$	$11,\!268.3$	$11,\!359.6$	$11,\!268.3$	$11,\!268.3$	8,983.9	$11,\!268.3$
Spiral	$\boldsymbol{564.5}$	$\boldsymbol{564.5}$	_	$\boldsymbol{564.5}$	$\boldsymbol{564.5}$	$\boldsymbol{564.5}$	379.7	564.5
Tae	711.8	711.8	_	701.7	714.0	710.4	480.1	713.8
Vehicle	$13,\!334.2$	$13,\!334.2$	$13,\!334.2$	12,899.9	$13,\!471.6$	_	5,980.7	$13,\!334.2$
Wine	$1,\!290.7$	$1,\!290.7$	$1,\!290.7$	1,413.1	1,664.2	$1,\!299.9$	$1,\!279.7$	1,300.0
Zoo	553.5	553.5	624.2	1,199.0	763.5	580.5	527.2	579.6
Mean	4,029.4	4,018.7		4,810.2	4,486.2		3,008.2	4,100.5

Table W16: 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 20% 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.