

Dataset		#Bits				
		4	8	16	32	64*
Splice	Base	68.20 ± 1.50	93.93 ± 1.14	94.38 ± 0.95	94.34 ± 0.93	94.34 ± 0.93
	Log.	68.21 ± 1.81	94.06 ± 0.58	94.32 ± 0.72	94.38 ± 0.61	94.31 ± 0.57
Waveform	Base	77.35 ± 1.09	76.70 ± 0.90	77.69 ± 1.01	77.75 ± 1.00	77.75 ± 1.00
	Log.	77.41 ± 0.88	76.31 ± 1.16	77.38 ± 1.48	77.43 ± 1.47	77.42 ± 1.47
Pendigits	Base	96.07 ± 0.46	95.69 ± 0.35	95.68 ± 0.35	95.68 ± 0.35	95.68 ± 0.35
	Log.	96.12 ± 0.34	95.68 ± 0.36	95.65 ± 0.37	95.65 ± 0.37	95.65 ± 0.37
Parkinsons	Base	83.59 ± 4.52	86.68 ± 5.73	86.85 ± 4.71	86.85 ± 4.71	86.85 ± 4.71
	Log.	82.22 ± 7.91	85.45 ± 5.44	88.05 ± 3.74	88.05 ± 3.74	88.39 ± 4.44
CorrAL100	Base	81.66 ± 0.16	100.00 ± 0.00	100.00 ± 0.00	100.00 ± 0.00	100.00 ± 0.00
	Log.	81.66 ± 0.17	100.00 ± 0.00	100.00 ± 0.00	100.00 ± 0.00	100.00 ± 0.00
Connect4	Base	68.56 ± 0.57	68.17 ± 1.27	74.97 ± 0.50	75.28 ± 0.29	75.28 ± 0.29
	Log.	70.94 ± 0.33	67.78 ± 1.26	75.23 ± 0.47	75.37 ± 0.32	75.37 ± 0.32
Congress	Base	95.55 ± 2.00	95.86 ± 1.78	95.48 ± 2.34	95.55 ± 2.22	95.55 ± 2.22
	Log.	95.32 ± 1.70	95.40 ± 1.57	95.40 ± 1.52	95.25 ± 1.71	95.25 ± 1.71

Classification accuracy (%) and standard deviation for the base and logarithmic division versions of the CMIM method on low-dimensional datasets for 15-top selected features. Results for C4.5 classifier.