

Dataset		#Bits				
		4	8	16	32	64*
Yale	Base	35.37 ± 3.36	56.77 ± 6.84	56.77 ± 8.96	56.74 ± 9.49	56.74 ± 9.49
	Log.	32.33 ± 6.80	54.75 ± 10.50	52.92 ± 8.55	54.34 ± 7.95	54.75 ± 7.15
TOX171	Base	66.08 ± 6.62	68.23 ± 9.98	75.26 ± 7.79	74.49 ± 7.19	74.49 ± 7.19
	Log.	74.43 ± 13.92	76.99 ± 11.41	78.93 ± 13.08	78.93 ± 11.88	79.13 ± 11.85
DLBC	Base	80.74 ± 9.10	90.85 ± 7.65	92.99 ± 6.00	90.15 ± 8.56	90.91 ± 8.30
	Log.	83.08 ± 9.29	94.95 ± 8.06	94.95 ± 8.06	94.95 ± 8.06	94.95 ± 8.06
Colon	Base	57.57 ± 10.03	79.55 ± 11.37	82.67 ± 12.82	82.64 ± 15.28	82.64 ± 15.28
	Log.	58.09 ± 18.29	79.44 ± 10.89	83.19 ± 13.01	83.19 ± 13.01	83.19 ± 13.01
humanActivity	Base	82.76 ± 1.15	83.01 ± 1.28	90.79 ± 0.48	90.56 ± 0.47	90.55 ± 0.48
	Log.	58.03 ± 10.55	85.36 ± 0.94	85.15 ± 0.92	85.17 ± 0.91	85.06 ± 0.87
Leukemia	Base	76.85 ± 10.55	93.52 ± 7.04	87.96 ± 7.04	88.43 ± 8.36	87.50 ± 8.25
	Log.	71.76 ± 12.41	90.28 ± 9.80	86.11 ± 10.73	87.96 ± 11.32	86.57 ± 9.90
SRBCT	Base	85.60 ± 10.09	91.98 ± 7.18	91.21 ± 5.75	90.42 ± 6.78	90.42 ± 6.78
	Log.	85.96 ± 8.98	87.24 ± 11.15	89.56 ± 7.60	89.56 ± 7.60	88.76 ± 7.80

Classification accuracy (%) and standard deviation for the base and logarithmic division versions of the CMIM method on high-dimensional datasets for 75-top selected features. Results for Naive-Bayes classifier.