Dataset		#Bits				
		4	8	16	32	64*
Yale	Base	35.13 ± 6.69	48.09 ± 8.36	50.08 ± 7.07	50.08 ± 6.68	50.08 ± 6.68
	Log.	31.50 ± 7.11	44.24 ± 7.54	45.66 ± 8.88	45.66 ± 7.42	45.66 ± 6.97
TOX171	Base	55.57 ± 11.28	58.08 ± 9.13	56.33 ± 5.02	55.75 ± 4.90	55.75 ± 4.90
	Log.	60.60 ± 6.65	57.12 ± 7.56	57.54 ± 4.85	58.12 ± 5.04	58.12 ± 5.04
DLBC	Base	77.84 ± 8.92	75.32 ± 8.09	74.62 ± 8.47	74.62 ± 8.47	74.62 ± 8.47
	Log.	83.52 ± 12.25	77.27 ± 13.22	77.27 ± 13.22	77.27 ± 13.22	77.27 ± 13.22
Colon	Base	72.43 ± 12.85	79.37 ± 8.60	78.92 ± 8.51	78.92 ± 8.51	78.92 ± 8.51
	Log.	69.24 ± 10.04	78.58 ± 11.21	80.10 ± 11.07	80.10 ± 11.07	77.33 ± 12.61
humanActivity	Base	81.81 ± 0.75	91.59 ± 0.63	79.17 ± 0.60	79.15 ± 0.66	79.15 ± 0.66
	Log.	88.76 ± 7.41	91.46 ± 0.65	78.78 ± 1.06	78.77 ± 1.00	78.77 ± 0.91
Leukemia	Base	76.39 ± 15.38	79.17 ± 11.87	82.87 ± 8.02	82.87 ± 8.02	82.87 ± 8.02
	Log.	82.87 ± 8.19	84.26 ± 10.98	88.43 ± 6.17	88.43 ± 6.17	88.43 ± 6.17
SRBCT	Base	75.58 ± 10.52	83.47 ± 5.83	84.29 ± 8.30	84.29 ± 8.30	84.29 ± 8.30
	Log.	68.69 ± 12.00	82.66 ± 9.22	82.23 ± 8.03	82.23 ± 8.03	81.83 ± 7.93

Classification accuracy (%) and standard deviation for the base and logarithmic division versions of the MIM method on high-dimensional datasets for 75-top selected features. Results for C4.5 classifier.