

Dataset		#Bits				
		4	8	16	32	64*
Yale	Base	31.12 $\pm$ 7.15	56.37 $\pm$ 6.62	53.74 $\pm$ 9.82	53.74 $\pm$ 9.82	53.74 $\pm$ 9.82
	Log.	30.31 $\pm$ 7.43	53.92 $\pm$ 7.79	52.12 $\pm$ 7.72	52.12 $\pm$ 7.72	51.72 $\pm$ 7.52
TOX171	Base	66.65 $\pm$ 6.76	63.34 $\pm$ 6.14	61.60 $\pm$ 6.82	61.41 $\pm$ 6.64	61.41 $\pm$ 6.64
	Log.	66.88 $\pm$ 8.75	64.37 $\pm$ 8.24	63.41 $\pm$ 9.12	63.41 $\pm$ 8.84	63.41 $\pm$ 8.84
DLBC	Base	91.48 $\pm$ 8.10	92.87 $\pm$ 8.76	94.26 $\pm$ 6.76	94.26 $\pm$ 6.76	94.26 $\pm$ 6.76
	Log.	90.72 $\pm$ 10.06	94.26 $\pm$ 7.95	94.26 $\pm$ 8.71	94.26 $\pm$ 8.71	96.34 $\pm$ 8.10
Colon	Base	60.66 $\pm$ 10.17	74.10 $\pm$ 10.77	76.18 $\pm$ 9.33	76.18 $\pm$ 9.33	76.18 $\pm$ 9.33
	Log.	60.07 $\pm$ 8.36	76.77 $\pm$ 10.19	78.92 $\pm$ 9.13	78.92 $\pm$ 9.13	76.84 $\pm$ 10.61
humanActivity	Base	52.59 $\pm$ 1.44	66.98 $\pm$ 1.87	56.04 $\pm$ 1.39	56.05 $\pm$ 1.39	56.05 $\pm$ 1.39
	Log.	71.47 $\pm$ 14.24	68.01 $\pm$ 2.37	56.10 $\pm$ 1.30	56.07 $\pm$ 1.31	55.98 $\pm$ 1.34
Leukemia	Base	83.80 $\pm$ 10.45	93.52 $\pm$ 8.15	95.37 $\pm$ 5.72	95.37 $\pm$ 5.72	95.37 $\pm$ 5.72
	Log.	87.50 $\pm$ 7.22	91.20 $\pm$ 6.40	95.83 $\pm$ 3.61	95.83 $\pm$ 3.61	95.83 $\pm$ 4.17
SRBCT	Base	83.93 $\pm$ 8.22	93.19 $\pm$ 7.99	98.02 $\pm$ 5.55	98.02 $\pm$ 5.55	98.02 $\pm$ 5.55
	Log.	80.72 $\pm$ 6.06	89.99 $\pm$ 7.07	95.22 $\pm$ 5.05	95.22 $\pm$ 5.05	95.62 $\pm$ 4.65

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 Naive-Bayes classifier.