

Dataset		#Bits				
		4	8	16	32	64*
Yale	Base	35.13 $\pm$ 6.69	40.23 $\pm$ 8.10	46.25 $\pm$ 7.82	46.66 $\pm$ 7.67	46.66 $\pm$ 7.67
	Log.	31.50 $\pm$ 7.11	47.08 $\pm$ 6.96	46.87 $\pm$ 8.91	46.27 $\pm$ 8.24	46.48 $\pm$ 8.14
TOX171	Base	60.41 $\pm$ 10.51	59.62 $\pm$ 6.95	60.81 $\pm$ 7.44	60.42 $\pm$ 7.21	60.42 $\pm$ 7.21
	Log.	55.36 $\pm$ 9.36	64.53 $\pm$ 5.60	64.90 $\pm$ 6.35	63.74 $\pm$ 7.48	63.74 $\pm$ 7.48
DLBC	Base	78.72 $\pm$ 12.15	77.34 $\pm$ 6.39	75.25 $\pm$ 6.36	75.25 $\pm$ 6.36	75.25 $\pm$ 6.36
	Log.	73.86 $\pm$ 8.17	75.82 $\pm$ 13.21	77.27 $\pm$ 13.22	77.27 $\pm$ 13.22	76.58 $\pm$ 14.02
Colon	Base	72.57 $\pm$ 15.57	76.77 $\pm$ 6.73	76.81 $\pm$ 4.61	76.81 $\pm$ 4.61	76.81 $\pm$ 4.61
	Log.	73.33 $\pm$ 13.77	79.03 $\pm$ 10.98	78.47 $\pm$ 12.47	79.03 $\pm$ 12.69	77.95 $\pm$ 12.18
humanActivity	Base	81.13 $\pm$ 1.32	94.54 $\pm$ 0.77	95.17 $\pm$ 0.76	95.11 $\pm$ 0.74	95.11 $\pm$ 0.74
	Log.	82.64 $\pm$ 6.17	94.51 $\pm$ 0.50	95.12 $\pm$ 0.55	95.09 $\pm$ 0.45	95.08 $\pm$ 0.37
Leukemia	Base	84.72 $\pm$ 12.11	85.65 $\pm$ 6.02	87.04 $\pm$ 5.96	85.19 $\pm$ 7.24	85.65 $\pm$ 7.29
	Log.	88.43 $\pm$ 8.01	81.94 $\pm$ 12.33	83.80 $\pm$ 7.92	83.80 $\pm$ 7.92	81.94 $\pm$ 10.21
SRBCT	Base	73.79 $\pm$ 12.68	82.34 $\pm$ 8.72	83.91 $\pm$ 4.84	83.91 $\pm$ 4.84	83.91 $\pm$ 4.84
	Log.	75.57 $\pm$ 8.06	84.23 $\pm$ 8.98	81.80 $\pm$ 10.12	81.80 $\pm$ 10.12	82.20 $\pm$ 10.21

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