Dataset		#Bits				
		4	8	16	32	64*
Yale	Base	36.73 ± 7.29	49.49 ± 10.81	47.23 ± 10.61	47.83 ± 9.78	47.04 ± 8.53
	Log.	38.77 ± 7.96	46.65 ± 6.30	44.46 ± 6.49	44.66 ± 6.07	44.46 ± 6.32
TOX171	Base	55.37 ± 9.35	59.98 ± 7.41	54.17 ± 4.61	52.62 ± 5.28	57.92 ± 7.93
	Log.	57.51 ± 8.13	56.93 ± 6.97	57.49 ± 7.10	58.08 ± 7.08	57.69 ± 7.12
DLBC	Base	77.84 ± 8.92	77.40 ± 8.85	75.32 ± 8.09	75.32 ± 8.09	75.32 ± 8.09
	Log.	82.83 ± 11.45	75.69 ± 13.23	77.27 ± 13.22	77.27 ± 13.22	77.27 ± 13.22
Colon	Base	68.19 ± 12.42	79.37 ± 8.60	78.89 ± 9.02	78.89 ± 9.02	78.89 ± 8.19
	Log.	68.65 ± 9.29	76.88 ± 12.39	77.99 ± 12.36	77.99 ± 12.36	76.84 ± 11.88
humanActivity	Base	81.62 ± 1.27	91.80 ± 0.79	80.35 ± 1.36	80.43 ± 1.29	94.95 ± 0.65
	Log.	94.40 ± 0.99	92.10 ± 0.75	83.55 ± 5.16	83.43 ± 5.18	80.43 ± 1.43
Leukemia	Base	77.31 ± 15.80	82.41 ± 7.80	83.80 ± 8.36	83.80 ± 8.36	86.57 ± 6.47
	Log.	82.87 ± 8.19	82.41 ± 11.93	87.04 ± 8.70	87.04 ± 8.70	87.04 ± 8.70
SRBCT	Base	77.14 ± 11.31	82.64 ± 8.75	84.29 ± 8.30	84.29 ± 8.30	87.06 ± 7.40
	Log.	64.73 ± 9.61	79.81 ± 9.03	81.83 ± 7.93	83.07 ± 8.08	81.83 ± 7.93

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