A

Summary Statistics of hPUM1 modified RNA binding vs. Control

Modified Base	Sequence	K_d	SEM	P value
SMA control	UGUACAAU	12.7	1.28	
SMA v1	UGU-ms^{2}m^{6}A-CAAU	54.6	7.086	0.0066
SMA v2	UGU-ms^{2}A-CAAU	44.87	10.550	0.0498
4SU	UGUA-s^{4}U-AAU	31.03	5.99	0.4591
5MC	UGUA-m^{5}C-AAU	13.86	0.8021	0.9999
6IA site 6	UGUAC-i^{6}A-AU	25.54	3.101	0.8862
6IA site 7	UGUACA-i6A-U	13.480	1.362	0.9999
dhm5C control	UGUA-dhm5C-AAU	22.16	0.9615	
dhm5C	UGUA-dC-AAU	18.220	2.958	0.2741

B

Summary Statistics of hPUM2 modified RNA binding vs. Control

Modified Base	Sequence	K_d	SEM	P value
SMA control	UGUACAAU	6.691	0.9001	
SMA v1	UGU-ms^{2}m^{6}A-CAAU	15.11	1.328	0.017
SMA v2	UGU-ms^{2}A-CAAU	20.17	1.448	0.0002
4SU	UGUA-s^{4}U-AAU	10.79	1.003	0.4427
5MC	UGUA-m^{5}C-AAU	9.768	0.4845	0.7204
6IA site 6	UGUAC-i^{6}A-AU	16.01	2.804	0.0077
6IA site 7	UGUACA-i6A-U	9.721	1.408	0.7331
dhm5C control	UGUA-dhm5C-AAU	10.23	2.012	
dhm5C	UGUA-dC-AAU	10.320	2.621	0.9807