	Spacer		Heptamer						

Preferred (>= 0.3)
Tolerated (0.1 < x < 0.3)
Disliked (<=0.1)

LEFT HEPTAMER*

NUC/POSITION	-2	-1	1	2	3	4	5	6	7
A	0.583	0.38	0.67	0.04	0	0.04	0.04	0.92	0.13
T	0.333	0.29	0.04	0.08	0.21	0.54	0.25	0.04	0.75
C	0.042	0.25	0	0.71	0.79	0.08	0.04	0.04	0
G	0.042	0.08	0.29	0.17	0	0.33	0.67	0	0.13

RIGHT HEPTAMER

NUC/POSITION	-2	-1	1	2	3	4	5	6	7
A	0.458	0.42	0.71	0.21	0.04	0.04	0	0.92	0.04
T	0.542	0.38	0.21	0.25	0	0.67	0.29	0.04	0.96
C	0	0.13	0.04	0.54	0.88	0.17	0.04	0.04	0
G	0	0.08	0.04	0	0.08	0.13	0.67	0	0

COMBINED

NUC/POSITION	-2	-1	1	2	3	4	5	6	7
A	0.521	0.4	0.69	0.13	0.02	0.04	0.02	0.92	0.08
T	0.438	0.33	0.13	0.17	0.1	0.6	0.27	0.04	0.85
C	0.021	0.19	0.02	0.63	0.83	0.13	0.04	0.04	0
G	0.021	0.08	0.17	0.08	0.04	0.23	0.67	0	0.06

CONSTRUCTS

										Entire Identity (9)	Heptamer Identity (7)
ssaG X-4-7											
Left (7')*	A	T	A	A	C	G	A	T	T	78%	71%
Right (7'') wt	A	T	A	C	C	G	G	A	T	100%	100%
ssaG 7-4-X											
Left (7') wt *	A	T	A	C	C	T	G	A	A	89%	86%
Right (7'')	A	T	G	T	T	C	A	T	T	67%	57%
ssaG 7-X-7											
Left (7') wt *	A	T	A	C	C	T	G	A	A	89%	86%
Right (7'')	C	G	G	A	T	G	T	T	C	44%	57%
ssaG 7-X-7											
Left (7') *	C	T	G	A	A	A	A	C	G	33%	29%
Right (7'') wt	A	T	A	C	C	G	G	A	T	100%	100%
ssaG scrambled											
Left (7') *	C	G	C	G	A	A	A	G	C	0%	0%
Right (7'') wt	A	T	A	C	C	G	G	A	T	100%	100%
sseA											
Left (7') wt *	G	G	G	C	T	A	T	T	T	44%	57%
Right (7'') wt	T	A	A	T	G	G	G	A	T	89%	86%
sseA del											
Left (7') wt *	G	G	G	C	T	A	T	T	T	44%	57%
Right (7'')	T	A	A	G	G	C	T	C	T	67%	57%

* reverse complement

Tomljenovic et al. Figure S2