

Supplemental Information S2 | Examples of noncanonical p53 REs from validated targets*

Gene	1st half-site	Spacer	2nd half-site	Total mismatches	Spacer	Features
PCNA	GAACAAGTCC		GGGCATaTgT	2	0	Three-quarters**
PLK3	tAACATGCCC	GGGCAA	AAGCgAGCgC	3	5	Three-quarters**
TNFRSF10A	GGGCATGTCC		GGGCAgGagg	4	0	Three-quarters**
FANCC, FAC	GGACATGTTT	aaataacttga	GAGCTAtTTT	0	10	half RE
HD	GGGCcTGCTT	ccagtt	AAGCTTGCTT	1	6	half RE
BCL6	AGACAgtTGCTT	ggggggtgattc	GGGCTAGTCT	1	12	half RE
ARID3A	GGACAcGCTg		GGACATGCCT	2	0	half RE
CDKN1A	GAAgAAGaCT		GGGCATGTCT	2	0	half RE
GPX1	GGGCcAGaCC		AGACATGCCT	2	0	half RE
CTSD	AAGCTgGgCC		GGGCTgaCCC	4	0	MM in both RCWWGY

*Presented are examples of validated p53 REs that represent noncanonical signatures (half and three-quarter sites or mismatches in the CWWG cores of both p53 decamer sites).

**The GGGCA sequence results in a three-quarter site with the first decamer.