Human promotor	Activator for p53 RRRCW WGYYY (0-38) RRRCW WGYYY
RAD51	Not found
RAD52	Not found
LIG4	Not found
	Repressors for P53 RRRCW(N)RRRCW (0-13) RRRCW(N)RRRCW Or WGYYY(N)WGYYY (0-13) WGYYY(N)WGYYY
RAD51	-4140 AAACA A AAACA (6) AAACA AAACA -4113
RAD52	-2388 AGACT G AAGCA (12) GAGCC C AGGCA -2354 -2735 TAGCA G GAACT (21) GAGCT GAGCA -2693
LIG4	-2006 AGTCC AGCTT (13) AGCTC AGTAG -1973
	New type repressor for P53 RRRCW WGYYY (0-30) WGYYY WGYYY
RAD51	-2842 AAGCA AGCAT (9) AGCTC TGCCT -2813
RAD52	None
LIGASEIV	-3392 CTGCA AGCCG (18) TGTTC TGCCT -3354
	Activators for △133p53 RRRCW RRRCW (30) RRRCW WGYYY Or RRRCW WGYYY (30) RRRCW RRRCW
RAD51	-2874 GAACT GGGCT (22) AAGCA AGCAT -2931 -3967 GAACA G AAACT (4) AAACT AGTTT -3942
RAD52	-2659 AGGCT G AGGCA (27) AGACA AGCCT -2611 -2422 GGGCA TGTAG (24) AGACT G AAGCA -2377
LIG4	-1741 GGGCT AGACG (13) AAACT AGCAC -1708 -4094 CGGCA GGGCT (7) GGGCT GGTCC -4067

R=A or G
W=A or T
Y=C or T

Supplementary information, Figure S19 A comparison of *p53* responsive elements in human *RAD51*, *RAD52* and *LIG4* promoters with the known p53-repressive or -activating consensus sequences. The black and red arrows correspond to the orientations of the quarter sites. R=A or G, W=A or T, Y=C or T. The mismatch nucleotide is red. The positions of the *p53* responsive elements in the promoters are indicated.