

Sessa *et al.*, BRCA2 promotes R-loop resolution by DDX5 helicase at DNA breaks to facilitate their repair by homologous recombination

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Appendix Table S1: Primers used to subclone DDX5 into the pEGFP-N3 vector

Construct	Oligo name	Sequence (5'-3')
DDX5-GFP	Fw: oAC953	CGTGTCGACATGTCGGGTTATTCGAGTGAC CGAGAC
	Rv: oAC967	CGTACCGGTCCTTGGGAATATCCTGTTGGC ATTGGATAACC

Appendix Table S2. siRNA used in this study

siRNA		
TARGET AND SEQUENCES (5'-3')	SOURCE	IDENTIFIER
BRCA2 CAGCGTTTGTGTATCGGGCAA	Qiagen	Cat# SI00000966
BRCA2 ON-TARGETplus SMARTpool	Dharmacon	Cat# L-021420-00
BRCA2 GAAGAAUGCAGGUUAAUA	Dharmacon	Cat# D-003462-04
DDX5 GCUCUUUAUAUUGUGUGUUAU	Mazurek et al., 2012	N/A
SETX ON-TARGETplus SMARTpool	Dharmacon	Cat# L-003462-00
Non targeting oligonucleotide (siC)	Dharmacon	Cat# D-001810-01- 20

Appendix Table S3. DNA and RNA sequences used for R loop and DNA-RNA

hybrid substrate preparation

Oligonucleotides		
NAME AND SEQUENCES (5'-3')	SOURCE	IDENTIFIER
oAC862 (PAGE purified) GTACCCGGGGATCCTCTAGAGTCGAGC GTCGATCCGAACTTGGCACTGGCCGTC GTTTTACAAC (used for R-loop and DNA- RNA hybrid substrates)	Song et al. 2017	N/A
oAC863 (PAGE purified) GTTGTAAAACGACGGCCAGTGCCTTTTC CCAGCCTCAATCTCATCACTCTAGAGGA TCCCCGGGTAC (used for R-loop substrate)	Song et al. 2017	N/A
oAC864 (PAGE purified) GUUUCGGAUCGACGC (used for R-loop and DNA-RNA hybrid substrates)	Song et al. 2017	N/A