

Supplemental Tables

Supplemental Table 1: Copy number alterations from TCGA 572 samples.

Supplemental Table 2: RAD21 direct targets.

Supplemental Tables 3-6. Patient characteristics and sequences of siRNA, qRT-PCR and ChIP-qPCR primers.

Supplemental Table 1 and Table 2 are available as excel files.

Supplemental Table 3. Patient characteristics.

Characteristic	All cases
Number of patients	107
Age at the time of surgery, years	52.99± 9.43
FIGO staging, n (%)	
I	13 (12.1%)
II	22 (20.6%)
III	58 (54.2%)
IV	14(13.1%)
Adjuvant chemotherapy, n (%)	107 (100%)
Chemotherapy regimens, n (%)	
TP (Paclitaxel + Carboplatin)	106 (99.0%)

DP (Docetaxel + Carboplatin)	1 (1.0%)
Median follow-up time, months	49.65

Supplemental Table 4. The sequences of siRNAs, shRNA, sgRNAs and primers for genes cloning.

Identifier	Sequences (5' - 3')
siNC	UUCUCCGAACGUGUCACGUTT
siRAD21-#1 (1)	CTCCAAATATCTGTCAGCTAA
siRAD21-#2 (2)	ATCGATGAGCCCATTATTGAA
siGMPS-#1	GCATTTGCTATAAAGGAACAA
siGMPS-#2	GGGAAAGUCAUAGACCGAATT
siCKS1B-#1	GGAGGAAGCAUCUGAGUUUTT
siCKS1B-#2	GGAGUUUGAGUAUCGACAUTT
siRAD54L-#1	CTTTGTAATCATCCAGCTCTA
siRAD54L-#2	CCAGAGTGCAAGCCAGAAATT
siYAP (3)	GACAUCUUCUGGUCAGAGAdTdT
siTEAD4 (4)	GGAACAAACUGUGCCUGAATT
shRAD21-#1	CTCCAAATATCTGTCAGCTAA
shRAD21-inducible	CCAGATAGCATCAGAAATCAT
sgRad21-#2(mouse)	GCAGTGGCTGATCAAAATCG
sgRad21-#3(mouse)	GTAACCGATGACATCTCGCTG

<i>siRad21</i> (mouse) (5)	GCGGUAUAUUAGAUGACAATT
RAD21-F	ATGTTCTACGCACATTTTGTTTC
RAD21-R	TTATATAATATGGAACCTTG
TEAD4-F	TTGGAGGGCACGGCCGGCA
TEAD4-R	TCATTCTTTCACCAGCCTG
Rad21-F	ATGTTCTACGCACATTTTGT
Rad21-R	TCAGATAATATGGAACCGTG

Supplemental Table 5. Quantitative Real-Time PCR (qRT-PCR) Primers.

Genes	Forward (5' - 3')	Reverse (5' - 3')
<i>18S</i>	GTAACCCGTTGAACCCCATTT	CCATCCAATCGGTAGTAGCG
<i>RAD54L</i>	AGGCAGGTCCTGTGATGATGA	TCAAAGGTTTCCGAAAAGGAGA
<i>CKS1B</i>	CGGACAAATACGACGACGAGG	CTCTGCTGAACGCCAAGATTCC
<i>GMPS</i>	CAAGGTTGTGGCACGTTCTG	GCACGGTGAAGGTTCCACT
<i>RAD21</i>	AAGCCAAATACCTTCTTGCAGAC	CTGCTTCCCGATTTTCTCAG
<i>YAP</i>	TAGCCCTGCGTAGCCAGTTA	TCATGCTTAGTCCACTGTCTGT
<i>TEAD4</i>	GGACACTACTCTTACCGCATCC	TCAAAGACATAGGCAATGCACA
<i>ISG15</i>	GCGCAGATCACCCAGAAGAT	TCCTCACCAGGATGCTCAGA
<i>TNFAIP3</i>	TCCTCAGGCTTTGTATTTGAGC	TGTGTATCGGTGCATGGTTTTA
<i>ISG20</i>	CTCGTTGCAGCCTCGTGAA	CGGGTTCTGTAATCGGTGATCTC
<i>IFIT3</i>	AAAAGCCCAACAACCCAGAAT	CGTATTGGTTATCAGGACTCAGC
<i>IFI44</i>	ATGGCAGTGACAACCTCGTTTG	TCCTGGTAACTCTCTTCTGCATA

<i>DDX58</i>	CTGGACCCTACCTACATCCTG	GGCATCCAAAAAGCCACGG
<i>g-RAD21</i>	GCCTGTGATGCCTGTAAG	CCACTTGCTACTGACTGTATG
<i>g-GAPDH</i>	CCGGGTTCATAACTGTCTGCTTC	TGGTTCACACCCATGACGAACA
<i>Rad21</i>	GCCCATGTATTTGAGTGCAA	ACTCCCAGGAGAAGGTGTCC
<i>Isg15</i>	GGTGTCCGTGACTAACTCCAT	TGGAAAGGGTAAGACCGTCCT
<i>Ifi44</i>	AACTGACTGCTCGCAATAATGT	GTAACACAGCAATGCCTCTTGT
<i>Ifit3</i>	CCTACATAAAGCACCTAGATGGC	ATGTGATAGTAGATCCAGGCGT
<i>Ddx58</i>	AAGAGCCAGAGTGTGAGAATCT	AGCTCCAGTTGGTAATTTCTTGG
<i>Actin</i>	AGAGGGAAATCGTGCGTGAC	CAATAGTGATGACCTGGCCGT

Supplemental Table 6. ChIP-qPCR Primers.

Genes	Forward (5' - 3')	Reverse (5' - 3')
<i>ISG15</i>	AGTCCATGTGATGACAGCTTTA	CAGAGTGAGCGGAAGAAACA
<i>IFIT3</i>	GGTGTACACACAGGCTTCTT	GCCAAGCCTTCCTCTCATT
<i>TNFAIP3</i>	CAACCCGCATACA AACTGAAAC	GGGTGTGATCTCTCTTGGC
<i>IFI44</i>	CCCTCTGACTTCAATTCCTTGAT	GACAGCATGCCAACTTCTCT
<i>ISG20</i>	CCCTGACTTCACTTGATAACAAAC	CAGCGGTGACTCATCTCTAAC
<i>DDX58</i>	GTGCCAGGGTAAGTCTATGTTA	ATCTACTGGAGCTCTCCTACTG

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