A RPA coated ssDNA strands stimulate signalling through ATR

ATR

TopBP1

ATRIP

RFWD3

P

Stabilisation

p53

P

p53

P

Cell cycle arrest

B

hSSB1 recognition of DSBs allows for ATM signalling

hSSB1

p300

STRAP

ATM

P

Stabilisation

p53

P

Cell cycle arrest

hSSB1

p21

P

P