

Molecular Definition of Network Elements

Node	Description
S	DNA damage: 0 (no damage), (1) reparable and (2) irreparable damage
ATR	Ataxia telangiectasia and Rad3 related protein
ATM	Ataxia telangiectasia mutated protein
miR16	microRNA 16-1
p53	Tumor suppressor p53 protein
Mdm2	E3 ubiquitin protein ligase homolog protein
Wip1	Protein Phosphatase 1D
p21	Cyclin-dependent kinase inhibitor 1A protein
pRB	Retinoblastoma 1 protein
E2F1	E2F1 transcription factor 1
Cdk2cE	Cyclin dependent kinase 2 / Cyclin E Complex
Cdc25	Cell division cycle 25A protein
Cdk46cD	Cyclin dependent kinase 4 and 6 / Cyclin D Complex