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| Starter | Receptor | Relation |
| HOXC6 | DKK3 | Activation |
| HOXC6 | WIF1 | Activation |
| HOXC6 | SFRP1 | Activation |
| HOXC6 | SFRP2 | Activation |
| DKK3 | Wnt | Inhibition |
| WIF1 | Wnt | Inhibition |
| SFRP1 | Wnt | Inhibition |
| SFRP2 | Wnt | Inhibition |
| Wnt | PSEN1 | Activation |
| Wnt | SOX4 | Activation |
| Wnt | DLL1 | Activation |
| BMP7 | NOTCH1 | Activation |
| PSEN1 | NOTCH1 | Activation |
| DLL1 | NOTCH1 | Activation |
| SOX4 | TNC | Activation |
| TNC | METASTASIS | Activation |
| ADAM10 | NOTCH1 | Activation |

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| Starter | Receptor | Relation |  |
| TNFÎ± | TNFR | Activation | |
| TNFR | NF-ÎºB | Activation | |
| TNFR | Akt | Activation | |
| NF-ÎºB | CSN2 | Activation | |
| CSN2 | Snail | Activation | |
| UPS | Î²-Trcp | Activation | |
| Î²-Trcp | Snail | Degradation | |
| Akt | GSK-3Î² | Inhibition | |
| GSK-3Î² | Î²-catenin | Inhibition | |
| GSK-3Î² | Snail | Inhibition | |
| Snail | E-cad | Inhibition | |
| Snail | EMT | Activation | |
| Î²-catenin | Proliferation | Activation | |
| Snail | Î²-catenin | Activation | |

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| Starter | Receptor | Relation |  |
| TOB1 | EGF receptor | Indirect Inhibition | |
| EGF receptor | PI3K | Activation | |
| PI3K | Akt | Activation | |
| PI3K | PTEN | Inhibition | |
| PTEN | PI3K | Inhibition | |
| TOB1 | PI3K | Inhibition | |
| PI3K | ERK/p38MAPK | Activation | |
| Akt | Î²-catenin | Inhibition | |
| Akt | NF-ÎºB (p50/p65) | Activation | |
| ERK/p38MAPK | IÎºBÎ± | Inhibition | |
| IÎºBÎ± | NF-ÎºB (p50/p65) | Inhibition | |
| Î²-catenin | E-cadherin | Activation | |
| E-cadherin | MMPs | Inhibition | |
| Î³-catenin | Î²-catenin | Activation | |
| Î±-catenin | Î²-catenin | Activation | |
| Î²-catenin | MMPs | Activation | |
| Î²-catenin | Cyclin D1 | Activation | |
| NF-ÎºB (p50/p65) | Cyclin D1 | Activation | |
| MMPs | Metastasis | Activation | |
| Cyclin D1 | Tumor growth | Activation | |

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| Starter | Receptor | Relation |  |
| X-RAY | Cytokine Receptor/Growth Factor Receptor | Activation | |
| Cytokine Receptor/Growth Factor Receptor | Sphk1 | Phosphorylation | |
| Sphk1 | S1P | Activation | |
| S1P | S1P Receptor | Activation | |
| FTY720 | S1P | Inhibition | |
| S1P Receptor | G1 | Activation | |
| S1P Receptor | RAS | Activation | |
| S1P Receptor | PI3K | Activation | |
| S1P Receptor | AKT | Activation | |
| G1 | RAS | Activation | |
| RAS | ERK | Activation | |
| ERK | Proliferation | Activation | |
| PI3K | AKT | Activation | |
| AKT | mTOR | Activation | |
| mTOR | Autophagy/Apoptosis | Activation | |

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| Starter | Receptor | Relation |
| let-7 | RAS | Activation |
| RAS | RAS | Inhibition |
| RAF-1 | RAF-1 | Activation |
| RAF-1 | MEK1 | Activation |
| MEK1 | MEK2 | Activation |
| MEK2 | ERK1 | Activation |
| ERK1 | ERK2 | Activation |
| ERK2 | p90RSK | Activation |
| EGFR Family Receptors | p90RSK | Activation |
| PI3K | PI3K | Activation |
| PDK1 | PDK1 | Activation |
| AKT | AKT | Activation |
| AKT | Pro-apoptotic Factors (FOXO, BIM, BAX) | Inhibition |
| PTEN | Anti-apoptotic Factors (Bcl-2, MCL1) | Activation |
| miR-145 | PI3K | Inhibition |
| miR-214 | N-RAS | Inhibition |
| miR-143 | N-RAS | Inhibition |
| miR-181a | K-RAS | Inhibition |
| miR-217 | K-RAS | Inhibition |
| miR-195 | K-RAS | Inhibition |
| miR-497 | RAF-1 | Inhibition |
| miR-34a | MEK1 | Inhibition |
| miR-497 | MEK1 | Inhibition |
| miR-1826 | MEK1 | Inhibition |
| miR-124 | ERK1 | Inhibition |
| miR-214 | ERK1 | Inhibition |
| miR-483-5p | ERK1 | Inhibition |
| miR-17-5p | RAS | Inhibition |
| miR-21 | RAS | Inhibition |
| miR-22 | RAS | Inhibition |
| miR-205 | RAS | Inhibition |
| miR-221/222 | RAS | Inhibition |
| miR-7 | PI3K | Inhibition |
| miR-375 | PDK1 | Inhibition |
| miR-302-367 cluster | AKT | Inhibition |
| miR-155 | Pro-apoptotic Factors | Activation |
| miR-182 | Pro-apoptotic Factors | Activation |

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| Starter | Receptor | Relation |  |
| H2AX | ATM | Activation | |
| ATR | ATM | Indirect Activation | |
| ATM | MDM2 | Activation | |
| ATM | p53 | Activation | |
| ATM | CHK2 | Activation | |
| ATM | CHK1 | Activation | |
| CHK2 | p53 | Activation | |
| CHK1 | CDC25A | Inhibition | |
| CDC25A | CDK2 | Activation | |
| p53 | p21 | Activation | |
| p21 | CyclinD | Inhibition | |
| p21 | CDK4/6 | Inhibition | |
| CyclinD | CDK4/6 | Activation | |
| CDK4/6 | G1/S progression | Activation | |
| CDK2 | CyclinE | Activation | |
| CyclinE | G1/S progression | Activation | |
| miR-24 | H2AX | Inhibition | |
| miR-138 | H2AX | Inhibition | |
| miR-17-3p | MDM2 | Inhibition | |
| miR-18b | MDM2 | Inhibition | |
| miR-106b cluster | p21 | Inhibition | |
| miR-15/16 family | CyclinD | Inhibition | |
| miR-15/16 family | CDK4/6 | Inhibition | |
| miR-34a | CyclinD | Inhibition | |
| miR-34a | CDK4/6 | Inhibition | |
| miR-129 | CDK4/6 | Inhibition | |
| let-7 family | CyclinD | Inhibition | |
| let-7 family | CDK4/6 | Inhibition | |
| miR-449a/b | CyclinD | Inhibition | |
| miR-449a/b | CDK4/6 | Inhibition | |
| miR-483-3p | CyclinD | Inhibition | |
| miR-483-3p | CDK4/6 | Inhibition | |
| miR-16 | CDC25A | Inhibition | |
| let-7 family | CDC25A | Inhibition | |
| miR-21 | CDC25A | Inhibition | |
| miR-449a/b | CDC25A | Inhibition | |
| miR-483-3p | CDC25A | Inhibition | |
| miR-124a | CDK2 | Inhibition | |
| miR-885-5p | CDK2 | Inhibition | |
| miR-29c | CyclinE | Inhibition | |
| miR-15/16 family | CyclinE | Inhibition | |

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| Starter | Receptor | Relation |
| H2AX | ATM | Activation |
| ATR | ATM | Indirect Activation |
| ATM | MDM2 | Activation |
| ATM | p53 | Activation |
| ATM | CHK2 | Activation |
| ATM | CHK1 | Activation |
| CHK2 | CDC25A | Activation |
| CHK1 | CDC25A | Inhibition |
| CDC25A | CDK1 | Activation |
| CDK1 | CyclinB1 | Activation |
| WEE1 | CDK1 | Inhibition |
| p53 | p21 | Activation |
| p21 | CyclinB1 | Inhibition |
| p21 | CDK1 | Inhibition |
| CyclinB1 | CDK1 | Activation |
| CDK1 | G2/M progression | Activation |
| miR-24 | H2AX | Inhibition |
| miR-138 | H2AX | Inhibition |
| miR-17-3p | MDM2 | Inhibition |
| miR-18b | MDM2 | Inhibition |
| miR-106b cluster | p21 | Inhibition |
| miR-747 | CyclinB1 | Inhibition |
| miR-1186 | CyclinB1 | Inhibition |
| miR-410 | CDK1 | Inhibition |
| miR-650 | CDK1 | Inhibition |
| miR-15/16 family | WEE1 | Inhibition |
| miR-155 | WEE1 | Inhibition |
| miR-15/16 family | CDC25A | Inhibition |
| miR-424 | CHK1 | Inhibition |
| let-7 family | CDC25A | Inhibition |
| miR-16 | CDC25A | Inhibition |
| miR-21 | CDC25A | Inhibition |
| miR-449a/b | CDC25A | Inhibition |
| miR-483-3p | p53 | Inhibition |
| miR-25 | p53 | Inhibition |
| miR-30d | p53 | Inhibition |
| miR-125b | p53 | Inhibition |
| miR-504 | CDC25A | Inhibition |

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| Starter | Receptor | Relation |
| FAS-L | FAS-R | Activation |
| FAS-R | FADD | Activation |
| FADD | CASP8 | Activation |
| CASP8 | CASP3 | Activation |
| CASP8 | CASP7 | Activation |
| CASP3 | Apoptosis | Activation |
| CASP7 | Apoptosis | Activation |
| Excess Damage | p53 | Activation |
| p53 | PUMA | Activation |
| p53 | FAS-R | Activation |
| p53 | NOXA | Activation |
| p53 | BAX | Activation |
| BAX | BAK | Activation |
| BAK | BIM | Activation |
| BIM | Cytochrome c | Activation |
| Cytochrome c | APAF-1 | Activation |
| APAF-1 | CASP9 | Activation |
| CASP9 | CASP3 | Inhibition |
| miR-155 | CASP7 | Inhibition |
| miR-155 | CASP3 | Inhibition |
| miR-378 | CASP3 | Inhibition |
| let-7 | Bcl-2, MCL1 | Inhibition |
| miR-125b | Bcl-2, MCL1 | Inhibition |
| miR-29 | Bcl-2, MCL1 | Inhibition |
| miR-101 | BAX | Activation |
| miR-125b | Bcl-2, MCL1 | Inhibition |
| miR-193a-3p | Bcl-2, MCL1 | Inhibition |
| miR-133b | Bcl-2, MCL1 | Inhibition |
| miR-193b | BAX | Activation |
| miR-221/222 | BAX | Activation |
| miR-296-5p | BAX | Activation |
| miR-128 | BAX | Activation |
| miR-886-5p | BIM | Activation |
| miR-24 | BIM | Activation |
| miR-181a | BIM | Activation |
| miR-301a | BIM | Activation |
| miR-494 | BIM | Activation |
| miR-17-92 cluster | BIM | Inhibition |
| miR-106b-25 cluster | Bcl-2, MCL1 | Inhibition |
| miR-1 | Bcl-2, MCL1 | Inhibition |
| miR-7 | Bcl-2, MCL1 | Inhibition |
| miR-15/16 family | Bcl-2, MCL1 | Inhibition |
| miR-34a | Bcl-2, MCL1 | Inhibition |
| miR-136 | Bcl-2, MCL1 | Inhibition |
| miR-143 | Bcl-2, MCL1 | Inhibition |
| miR-148a | Bcl-2, MCL1 | Inhibition |
| miR-181a | Bcl-2, MCL1 | Inhibition |
| miR-365 | Bcl-2, MCL1 | Inhibition |

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| Starter | Receptor | Relation |
| Myc | miR-22 | Activation |
| miR-22 | PTEN | Inhibition |
| miR-22 | TET | Inhibition |
| PTEN | PI3K/AKT | Inhibition |
| TET | Gene Expression (OFF) | Inhibition |
| PI3K/AKT | Tumorigenesis/Metastasis | Activation |
| Gene Expression (OFF) | Tumorigenesis/Metastasis | Activation |

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| Starter | Receptor | Relation |
| DNA damage | ATM | Activation |
| DNA damage | ATR | Activation |
| ATM | p53 | Activation |
| ATR | p53 | Activation |
| Oncogene signaling | p14ARF | Activation |
| Replication stress | p14ARF | Activation |
| p14ARF | MDM2 | Inhibition |
| MDM2 | p53 | Inhibition |
| p53 | p21 | Activation |
| p53 | Bax | Activation |
| Twist | p16 | Inhibition |
| p16 | Rb | Activation |
| Twist | p14ARF | Inhibition |
| Twist | p21 | Inhibition |
| Twist | NF-ÎºB | Activation |
| NF-ÎºB | Twist | Activation |
| NF-ÎºB | YB-1 | Activation |
| NF-ÎºB | AKT2 | Activation |
| YB-1 | AKT2 | Activation |
| AKT2 | Cellular proliferation/Resistance to chemotherapy | Activation |
| Myc | Cellular proliferation/Resistance to chemotherapy | Activation |