

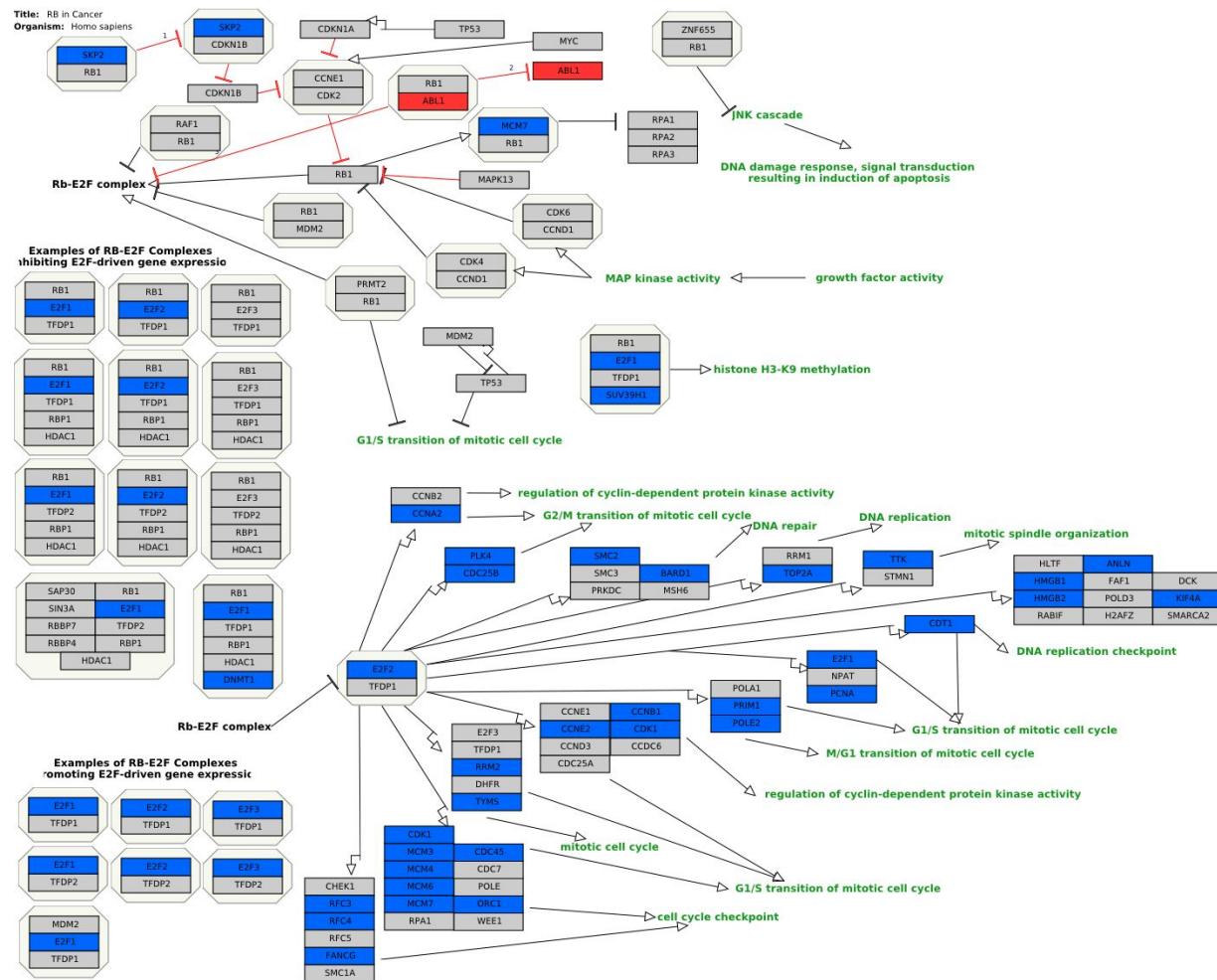
## **Supplementary Material 2: Pathway diagrams**

**Article Title:** Integrative network-based analysis of mRNA and microRNA expression in 1,25-dihydroxyvitamin D3-treated cancer cells

**Journal name:** Genes & Nutrition

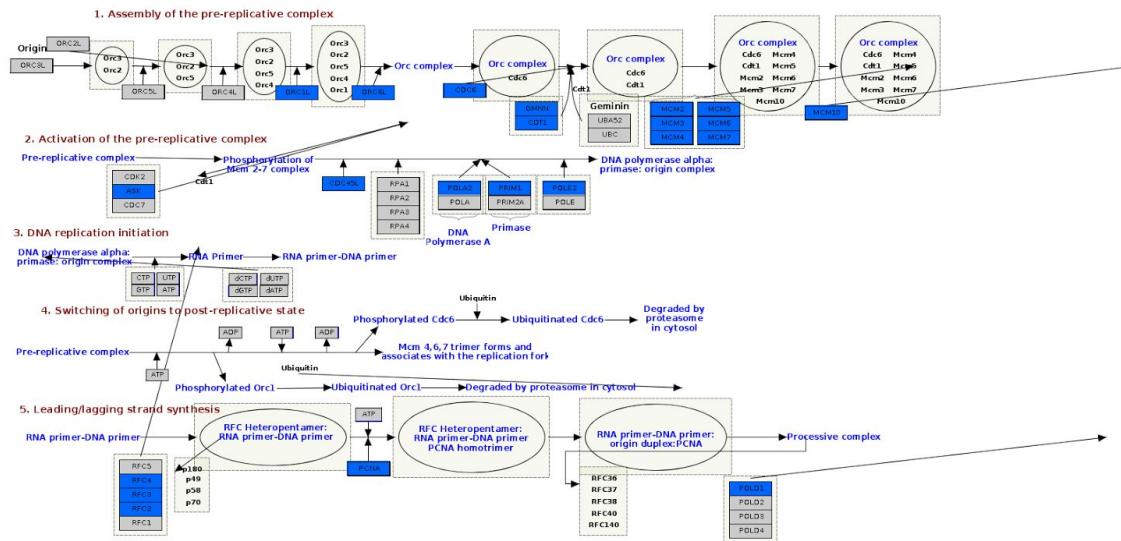
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**Email address:** [martina.kutmon@maastrichtuniversity.nl](mailto:martina.kutmon@maastrichtuniversity.nl)



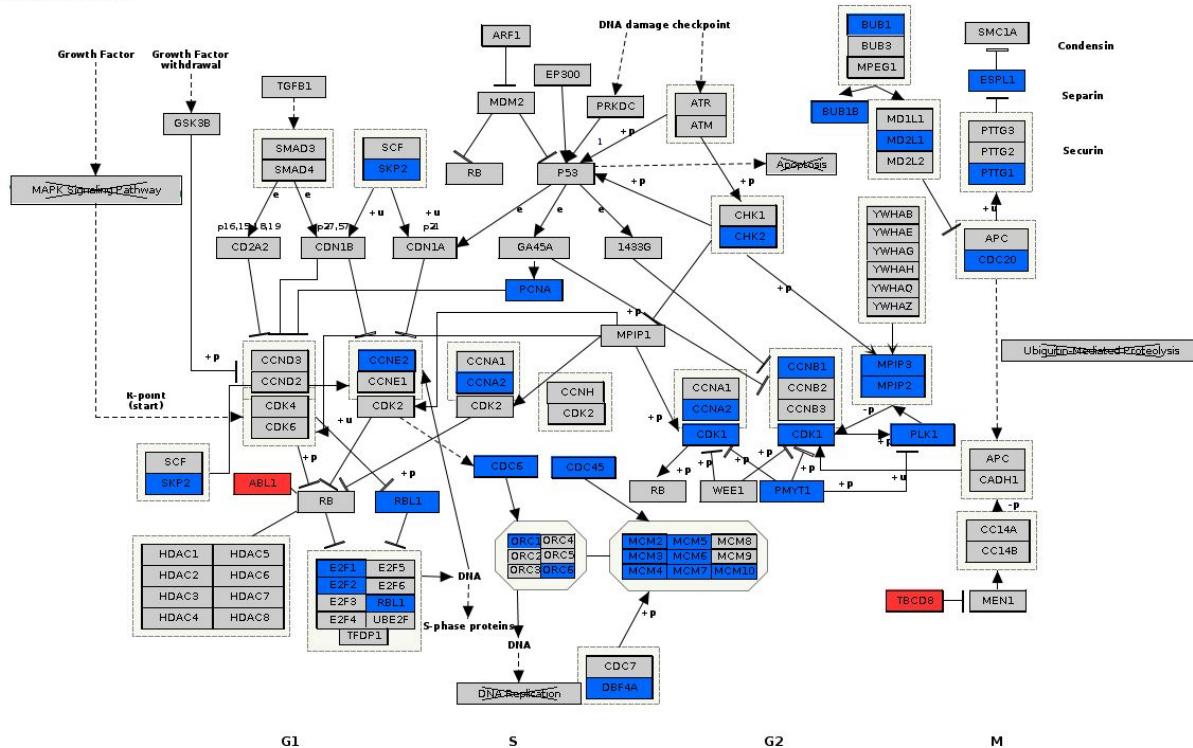
**Figure S2A:** RB in cancer (<http://wikipathways.org/index.php/Pathway:WP2446>, revision 78573) red = significantly up-regulated, blue = significantly down-regulated, z-score = 12.63

Title: DNA Replication  
Organism: Homo sapiens



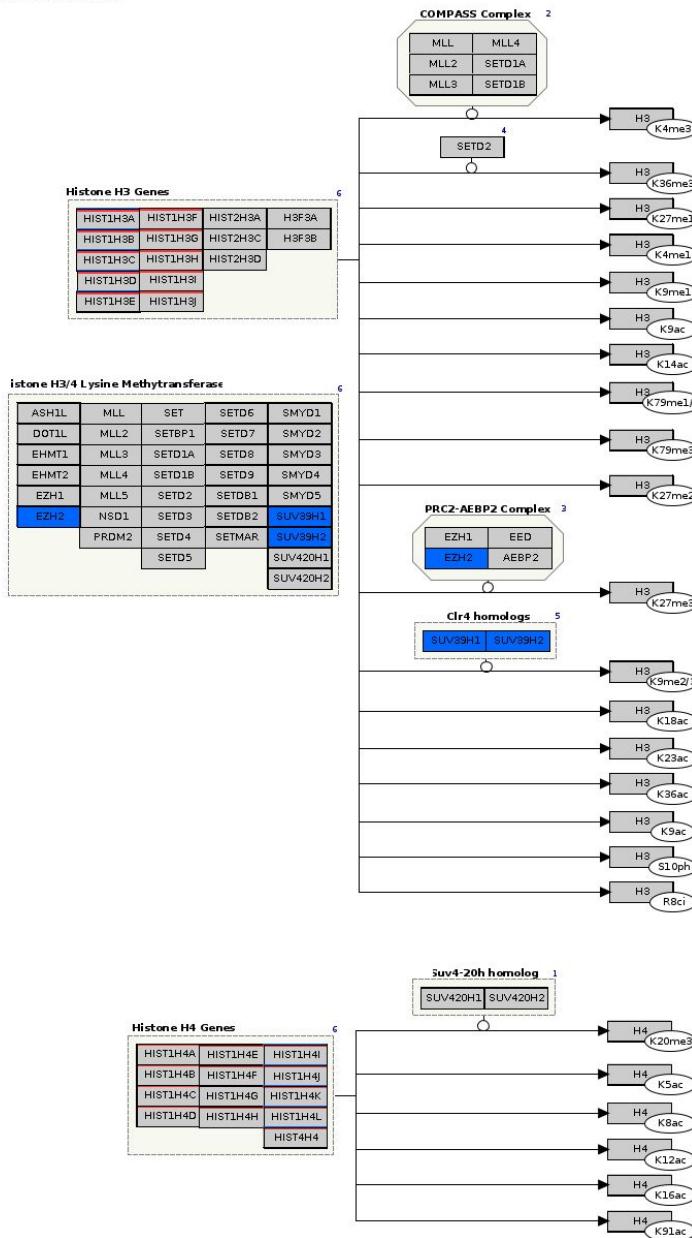
**Figure S2B: DNA replication** (<http://wikipathways.org/index.php/Pathway:WP466>, revision 76196)  
red = significantly up-regulated, blue = significantly down-regulated, z-score = 11.91

Title: Cell Cycle  
Last modified: 2/22/2013  
Organism: Homo sapiens



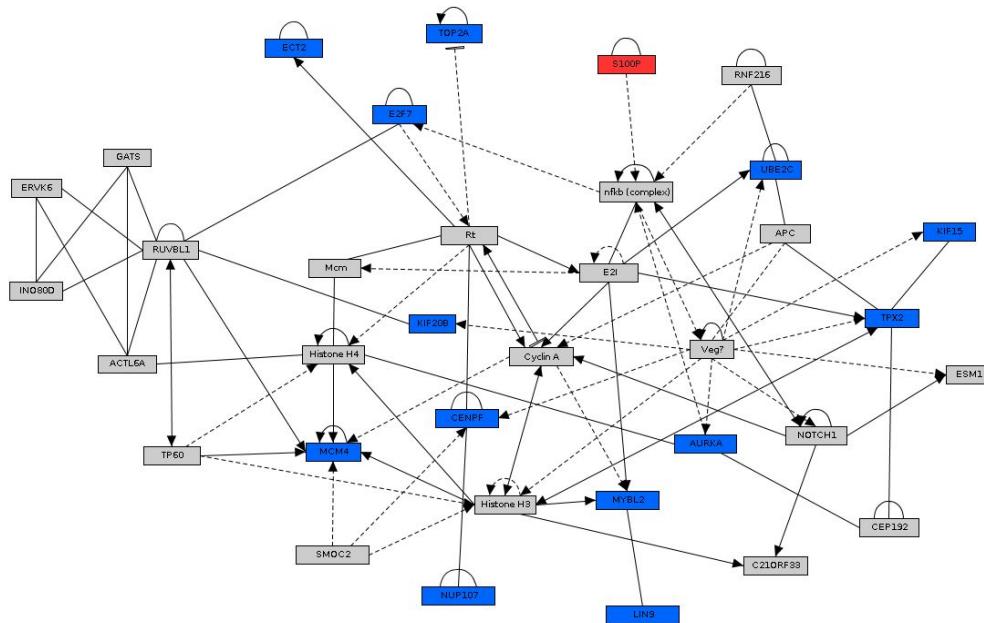
**Figure S2C: Cell cycle** (<http://wikipathways.org/index.php/Pathway:WP179>, revision 70629)  
red = significantly up-regulated, blue = significantly down-regulated, z-score = 11.04

Title: Histone Modifications  
Organism: Homo sapiens



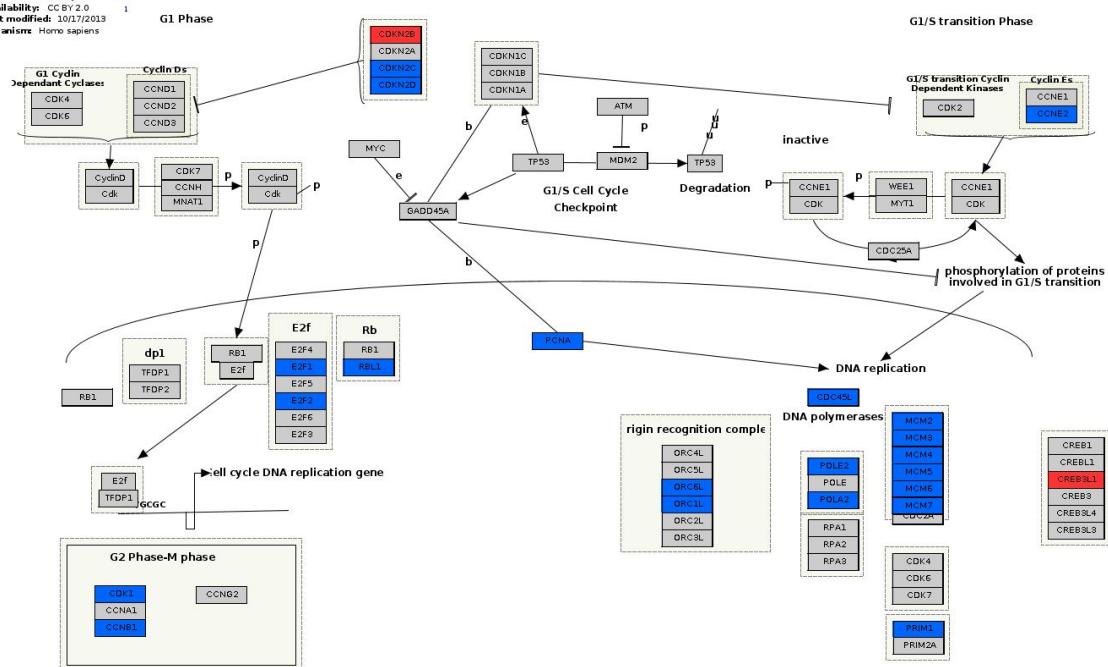
**Figure S2D:** Histone modifications (<http://wikipathways.org/index.php/Pathway:WP2369>, revision 69927)  
red = significantly up-regulated, blue = significantly down-regulated, z-score = 10.44

Title: Gastric cancer network 1  
Last modified: 10/17/2013  
Organism: Homo sapiens

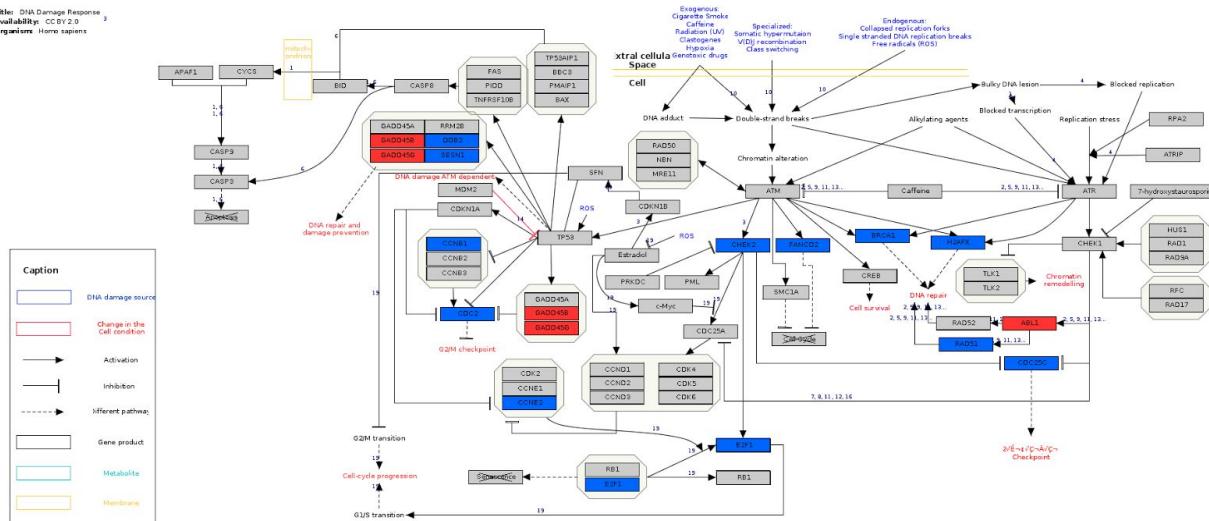


**Figure S2E:** Gastric cancer network 1 (<http://wikipathways.org/index.php/Pathway:WP2361>, revision 77608)  
red = significantly up-regulated, blue = significantly down-regulated, z-score = 10.44

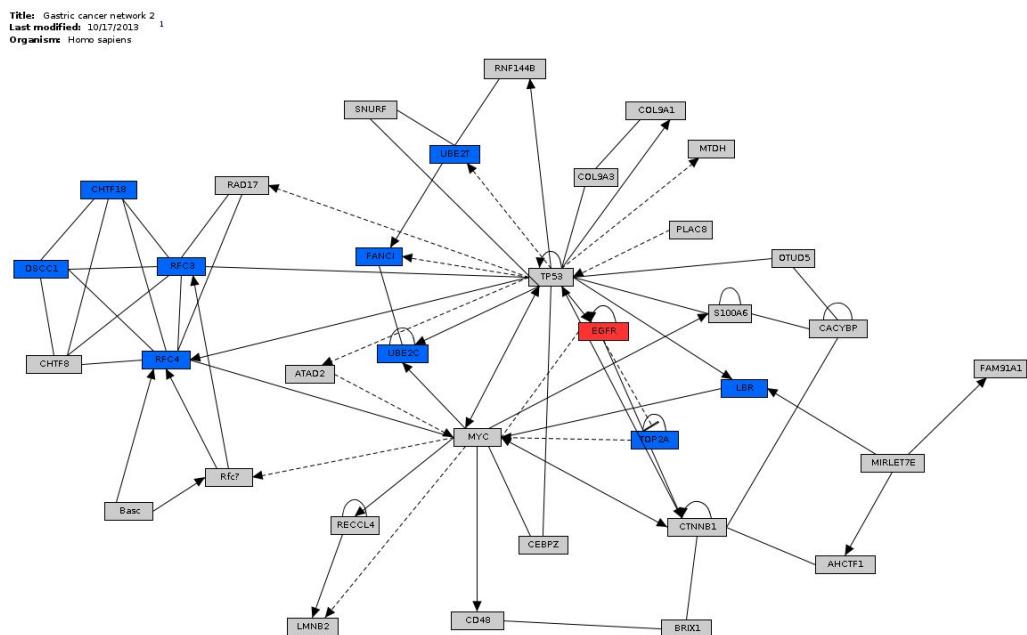
Title: G1 to S cell cycle control  
Availability: CC BY 2.0  
Last modified: 10/17/2013  
Organism: Homo sapiens



**Figure S2F:** G1 to S cell cycle control (<http://wikipathways.org/index.php/Pathway:WP45>, revision 71377)  
red = significantly up-regulated, blue = significantly down-regulated, z-score = 9.12

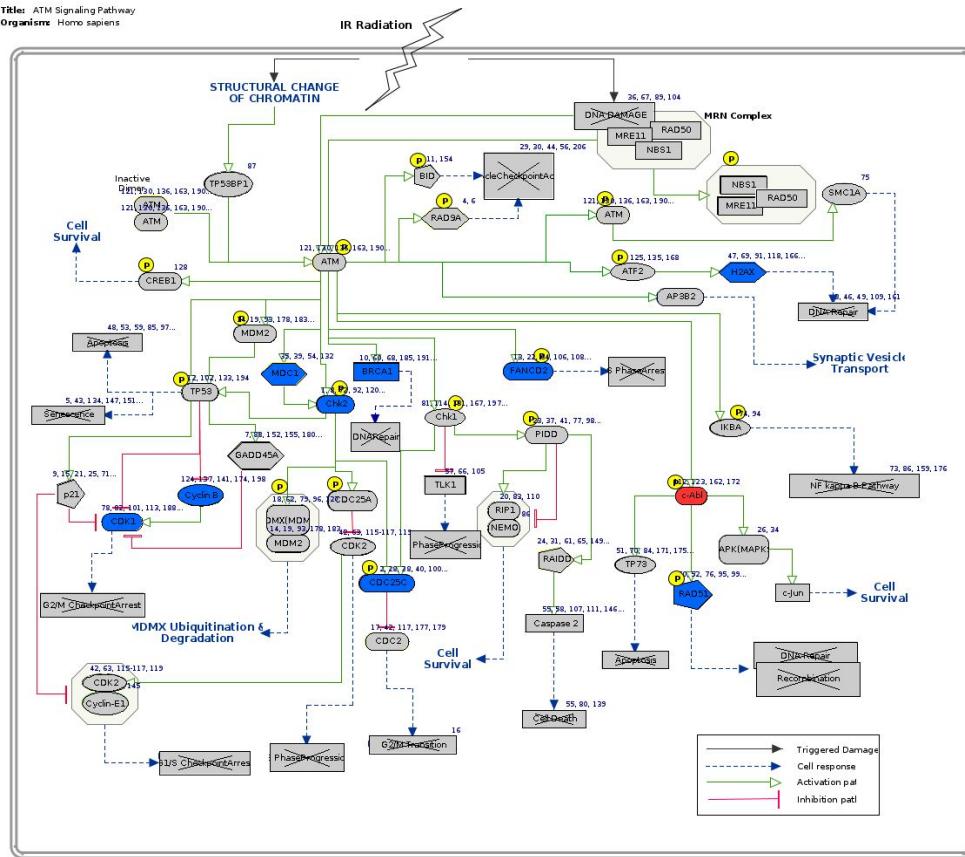


**Figure S2G:** DNA damage response (<http://wikipathways.org/index.php/Pathway:WP707>, revision 78527) red = significantly up-regulated, blue = significantly down-regulated, z-score = 5.40

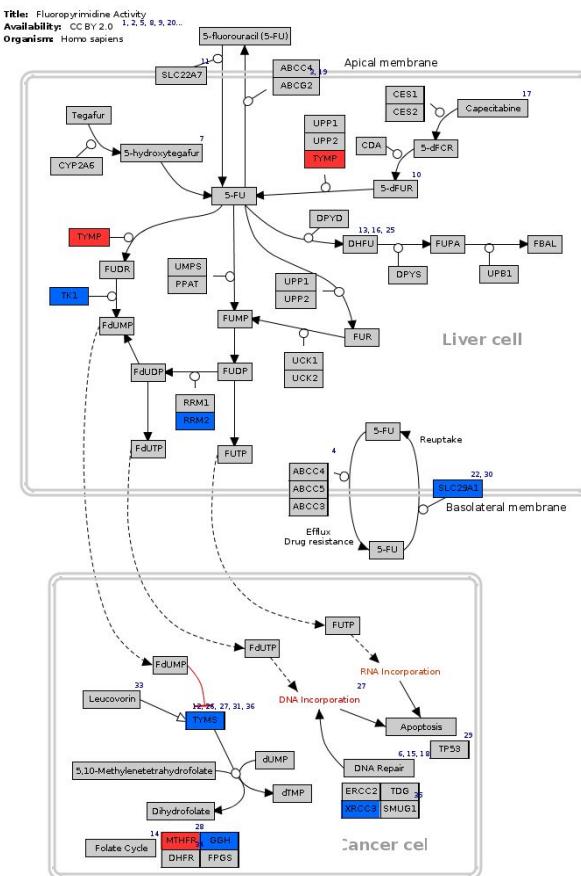


**Figure S2H:** Gastric cancer network 2 (<http://wikipathways.org/index.php/Pathway:WP2363>, revision 76329) red = significantly up-regulated, blue = significantly down-regulated, z-score = 5.13

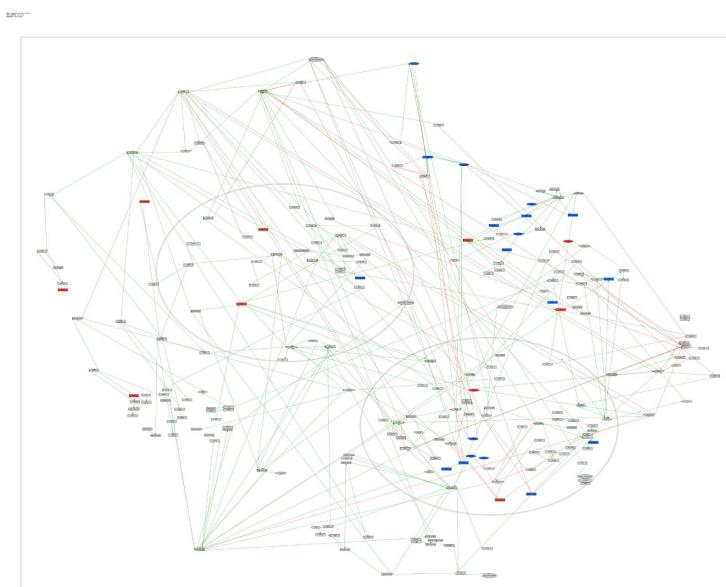
Title: ATM Signaling Pathway  
 Organism: Homo sapiens



**Figure S2I:** ATM signaling pathway (<http://wikipathways.org/index.php/Pathway:WP2516>, revision 78531)  
 red = significantly up-regulated, blue = significantly down-regulated, z-score = 4.87



**Figure S2J:** Fluoropyrimidine Activity (<http://wikipathways.org/index.php/Pathway:WP1601>, revision 78516)  
red = significantly up-regulated, blue = significantly down-regulated, z-score = 4.16



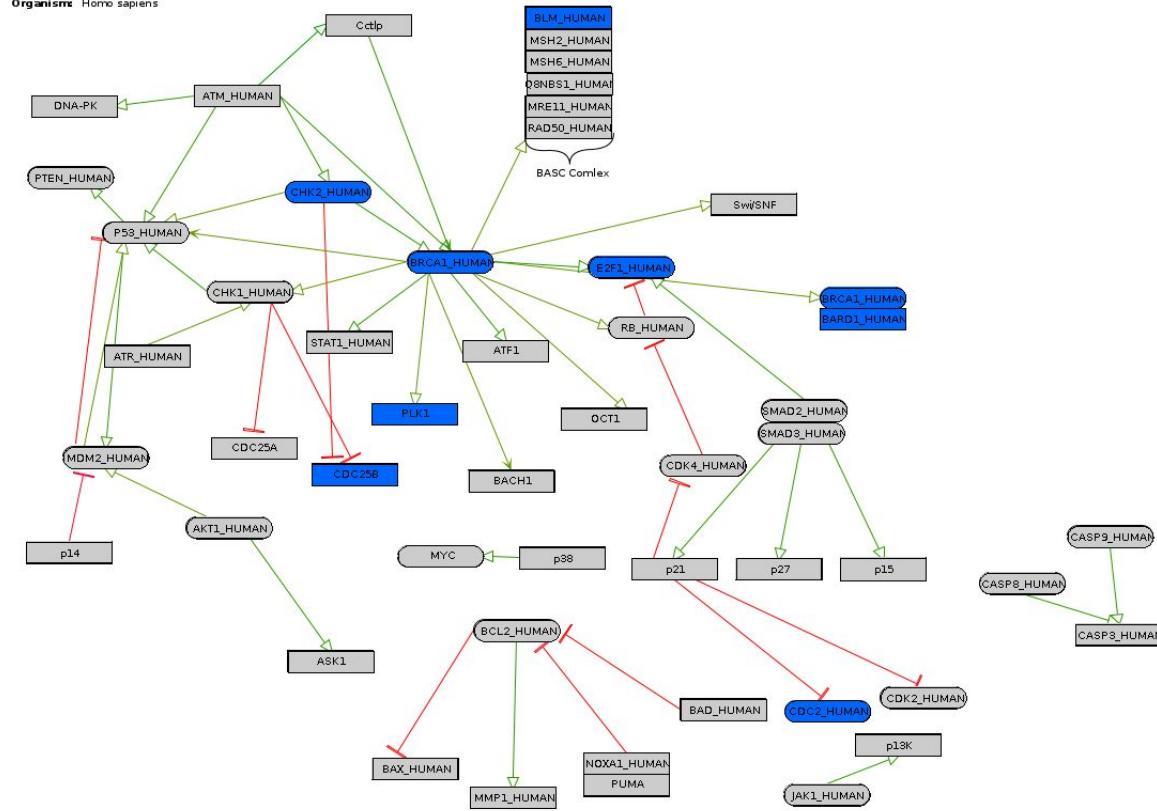
**Figure S2K:** Integrated Pancreatic Cancer Pathway (<http://wikipathways.org/index.php/Pathway:WP2377>, revision 71228), red = significantly up-regulated, blue = significantly down-regulated, z-score = 4.08

**Title:** Integrated Cancer pathway

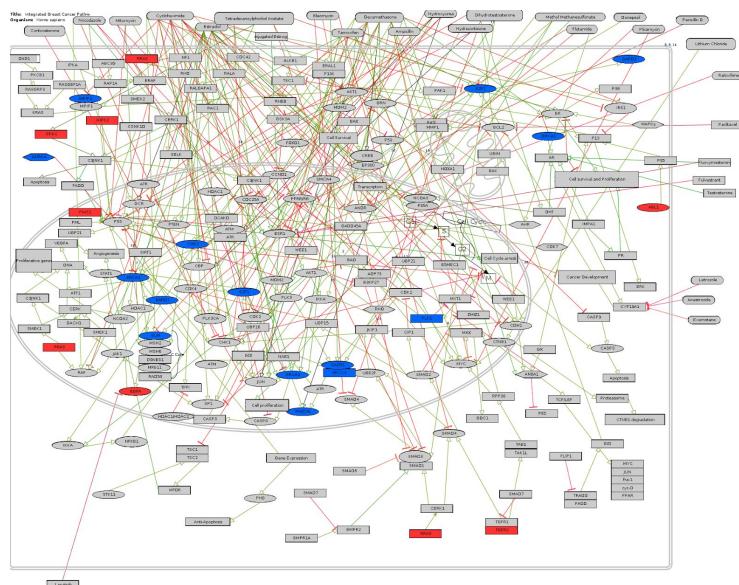
**Availability:** CC BY 2.0

**Last modified:** 10/16/2013

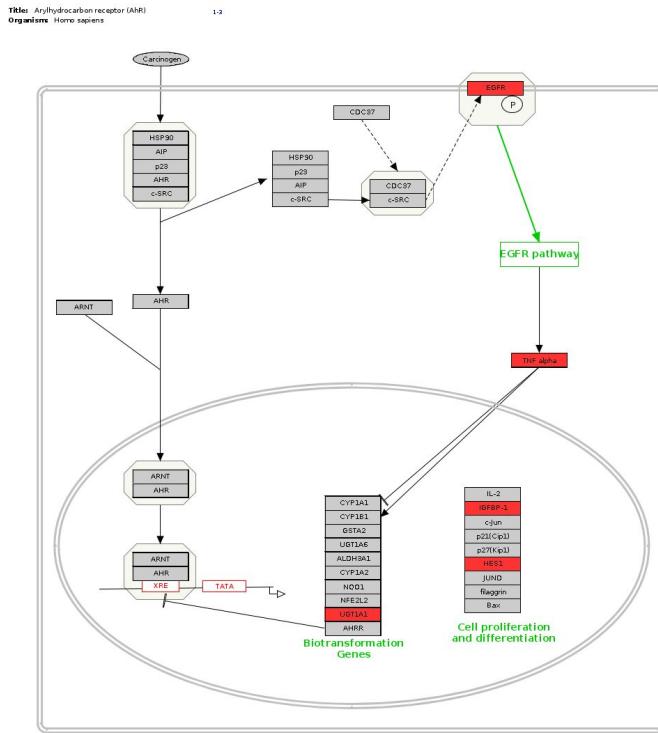
**Organism:** Homo sapiens



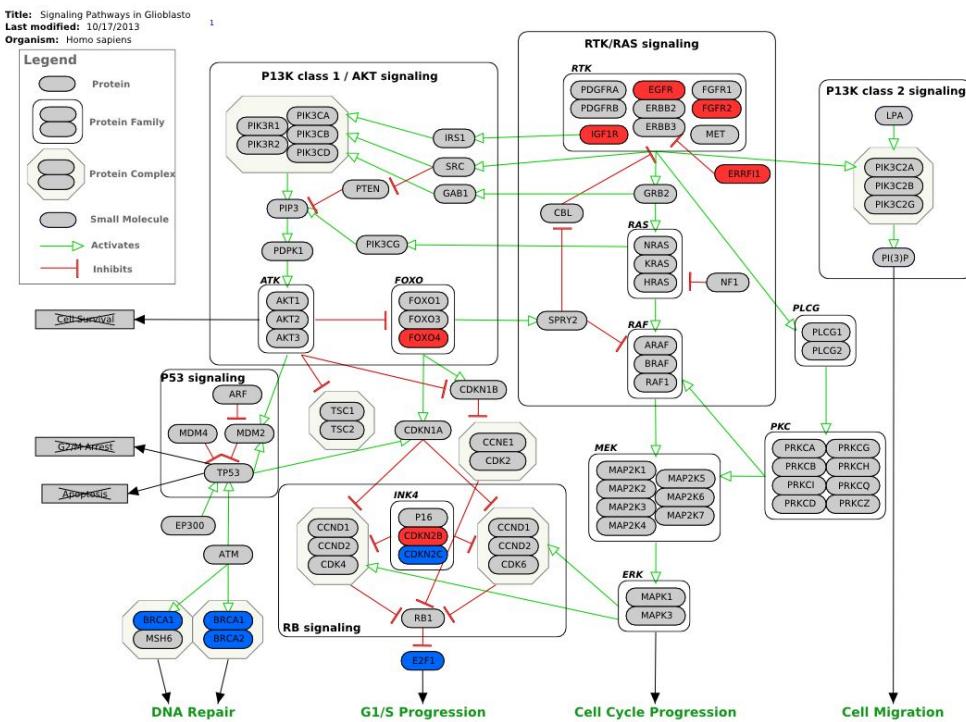
**Figure S2L:** Integrated Cancer pathway (<http://wikipathways.org/index.php/Pathway:WP1971>, revision 71249)  
red = significantly up-regulated, blue = significantly down-regulated, z-score = 3.85



**Figure S2M:** Integrated Breast Cancer Pathway (<http://wikipathways.org/index.php/Pathway:WP1984>, revision 72732), red = significantly up-regulated, blue = significantly down-regulated, z-score = 3.41



**Figure S2N:** Arylhydrocarbon receptor (AhR) signaling pathway  
[\(<http://wikipathways.org/index.php/Pathway:WP2100>, revision 74081\)](http://wikipathways.org/index.php/Pathway:WP2100)  
 red = significantly up-regulated, blue = significantly down-regulated, z-score = 2.47



**Figure S2O:** Signaling Pathways in Glioblastoma ([\(<http://wikipathways.org/index.php/Pathway:WP2261>, revision 78522\)](http://wikipathways.org/index.php/Pathway:WP2261), red = significantly up-regulated, blue = significantly down-regulated, z-score = 2.02