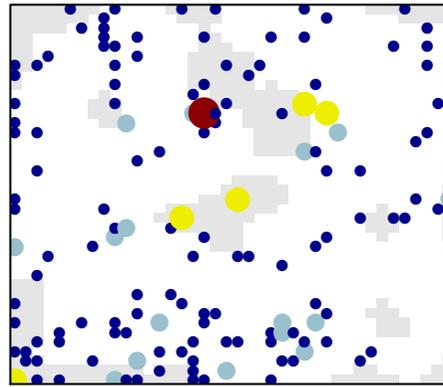
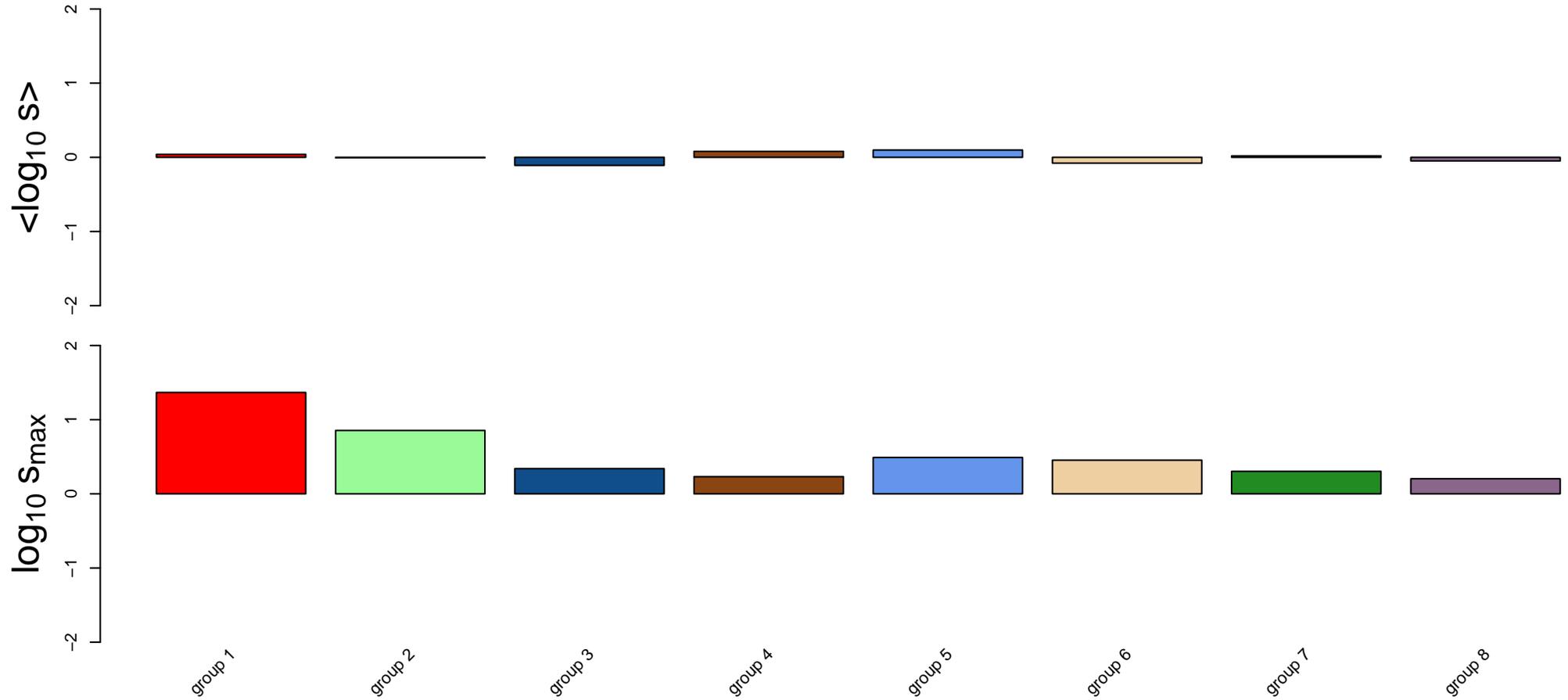
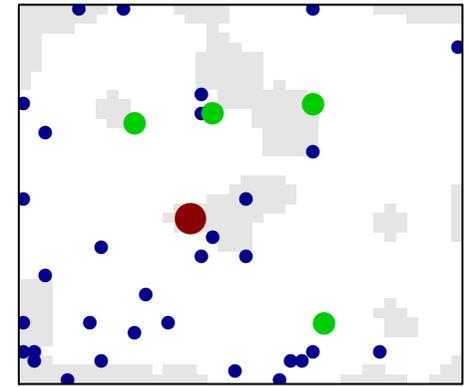


Colorectal cancer

all genes

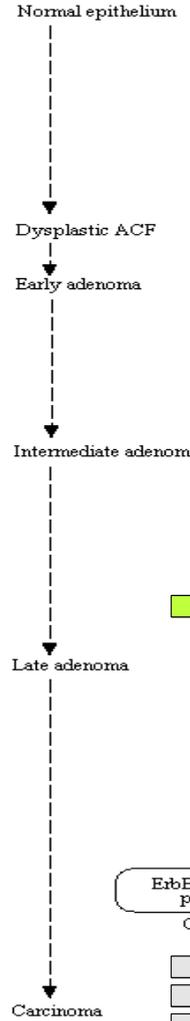


sink node genes



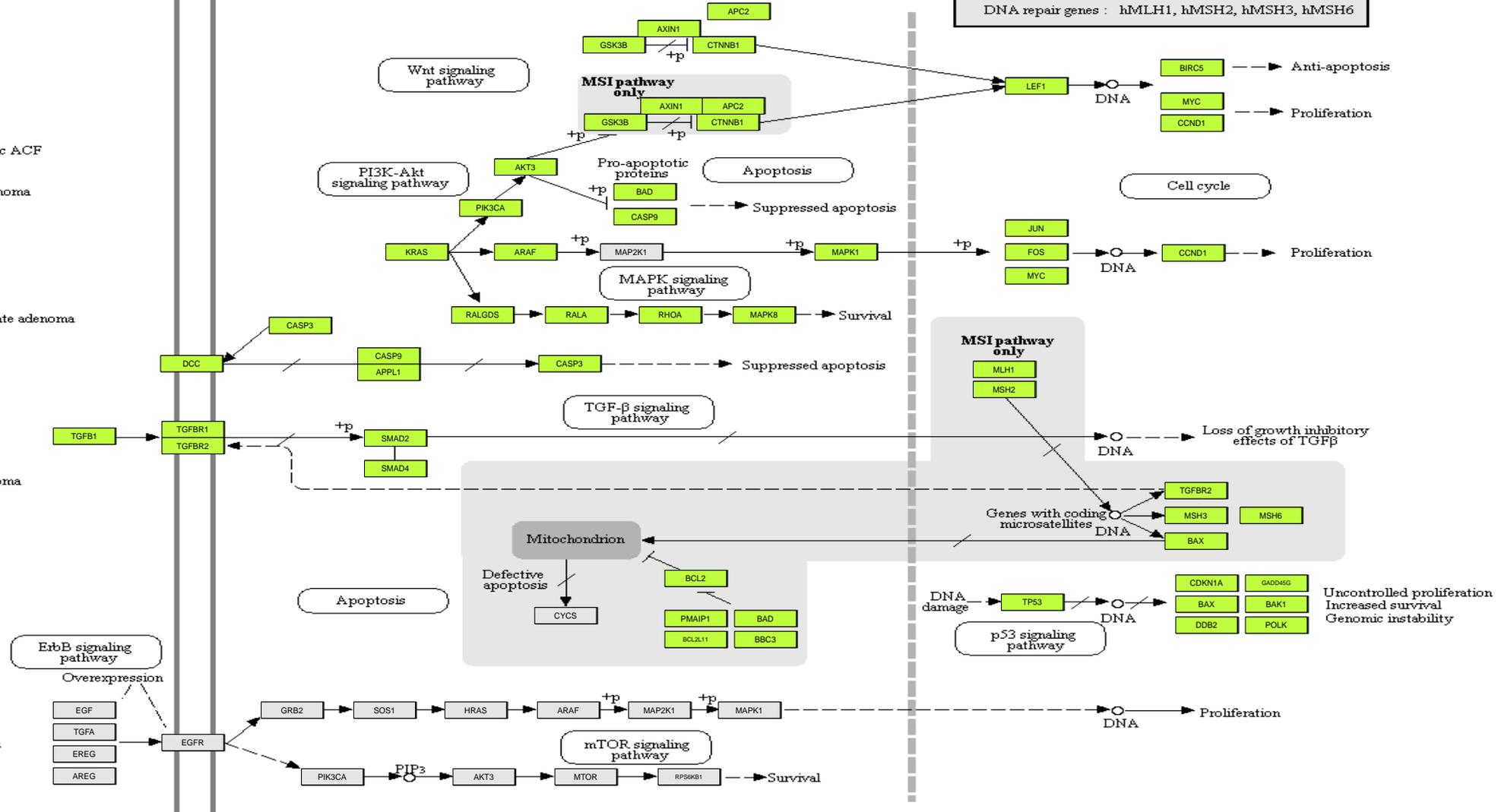
Colorectal_cancer genes with data

Chromosome Unstable (CIN) pathway
Microsatellite Unstable (MSI) pathway



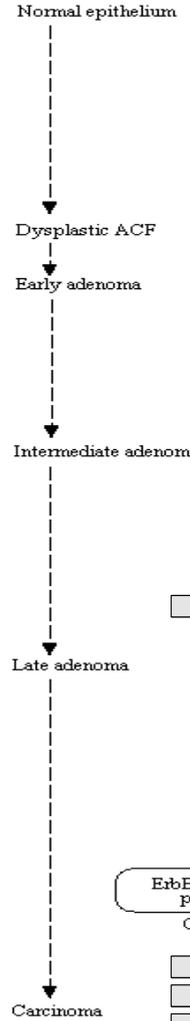
Colorectal epithelial cell

Genetic alterations
 Oncogenes : β-catenin, K-Ras
 Tumor suppressors : APC, DCC, TGFβRII, Smad2, Smad4, Bax, p53
 DNA repair genes : hMLH1, hMSH2, hMSH3, hMSH6



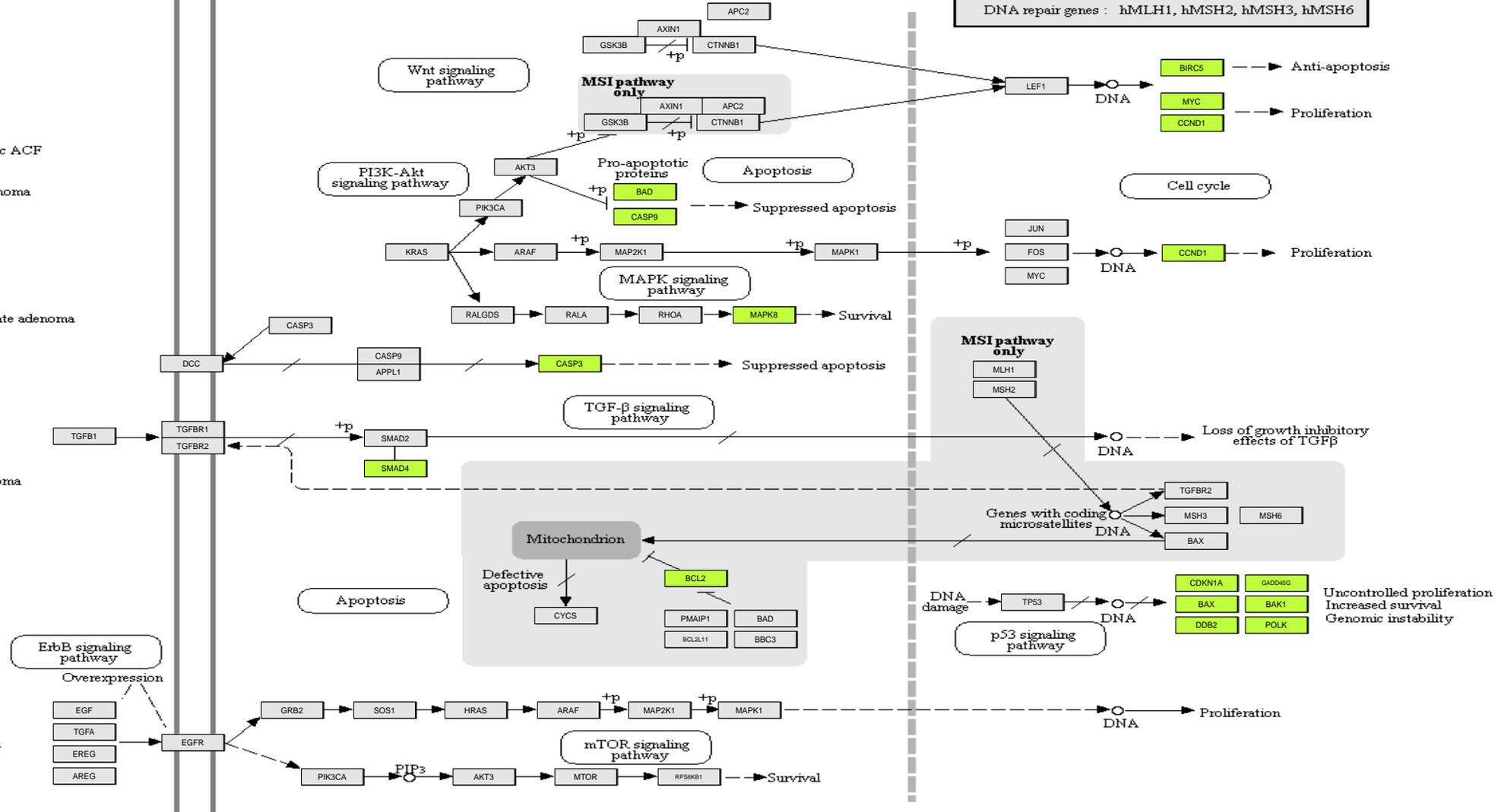
Colorectal_cancer sink nodes

Chromosome Unstable (CIN) pathway
Microsatellite Unstable (MSI) pathway



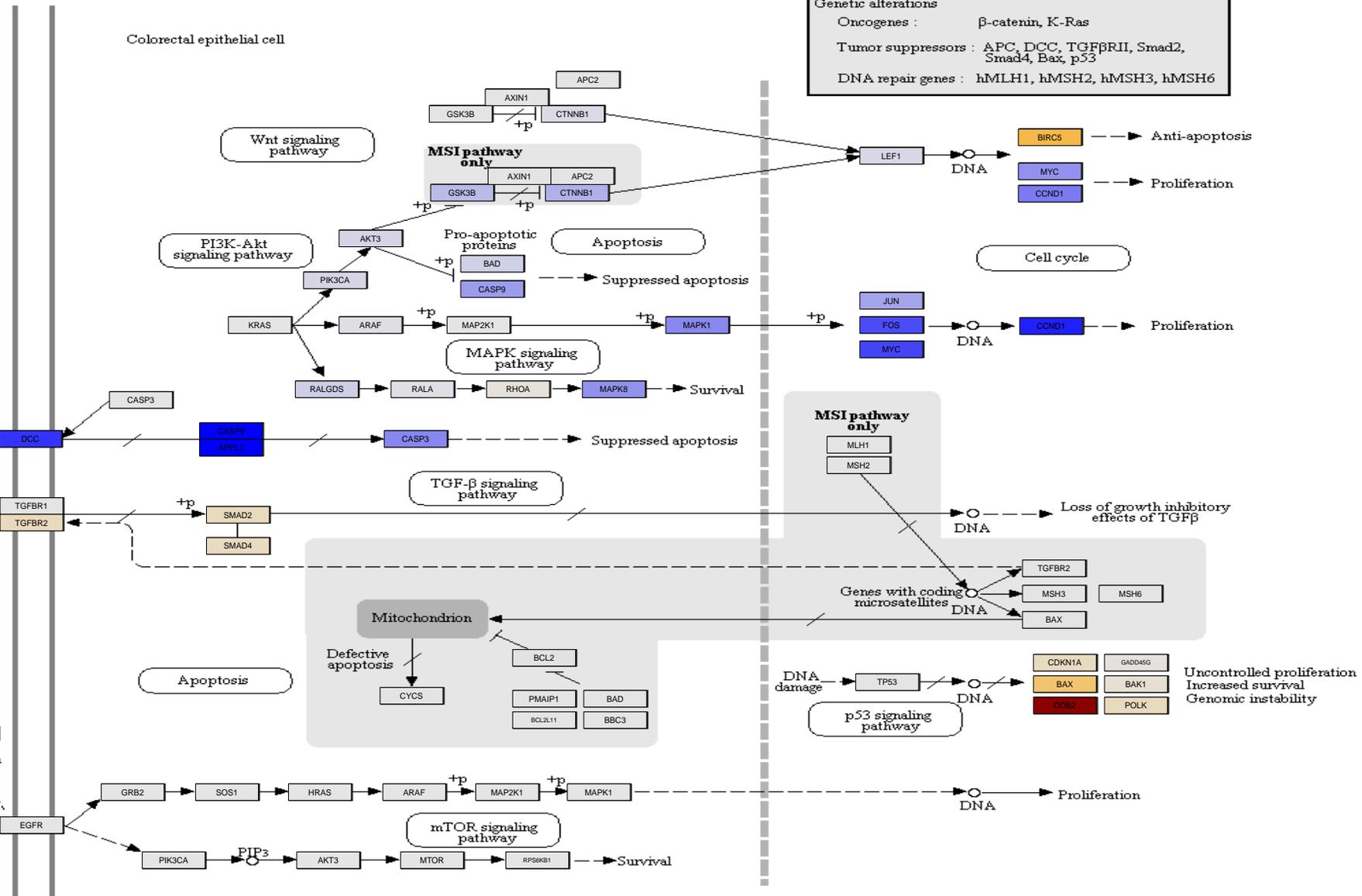
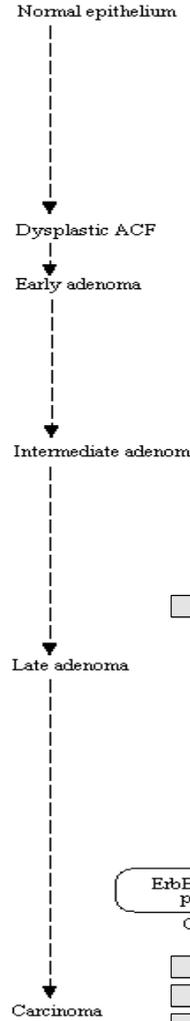
Colorectal epithelial cell

Genetic alterations
 Oncogenes : β -catenin, K-Ras
 Tumor suppressors : APC, DCC, TGF β RII, Smad2, Smad4, Bax, p53
 DNA repair genes : hMLH1, hMSH2, hMSH3, hMSH6



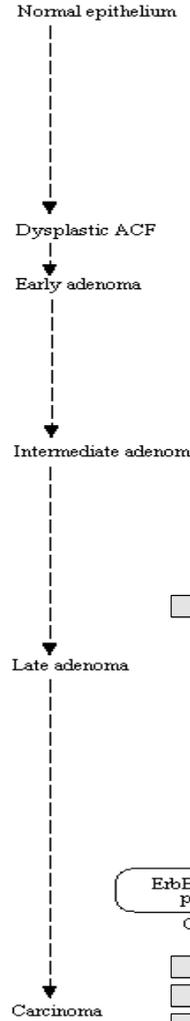
Colorectal_cancer group 1

Chromosome Unstable (CIN) pathway
Microsatellite Unstable (MSI) pathway

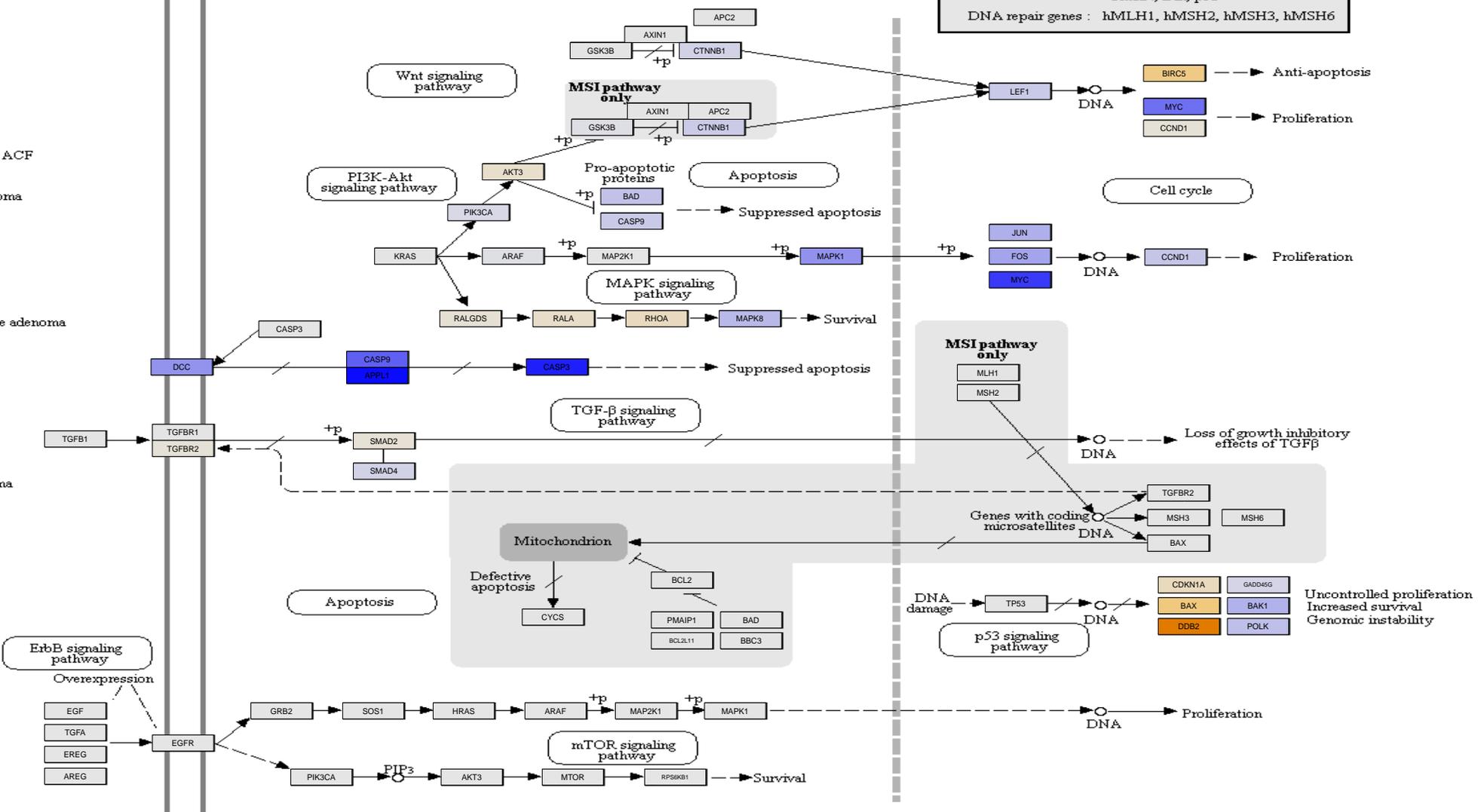


Colorectal_cancer group 2

Chromosome Unstable (CIN) pathway
Microsatellite Unstable (MSI) pathway

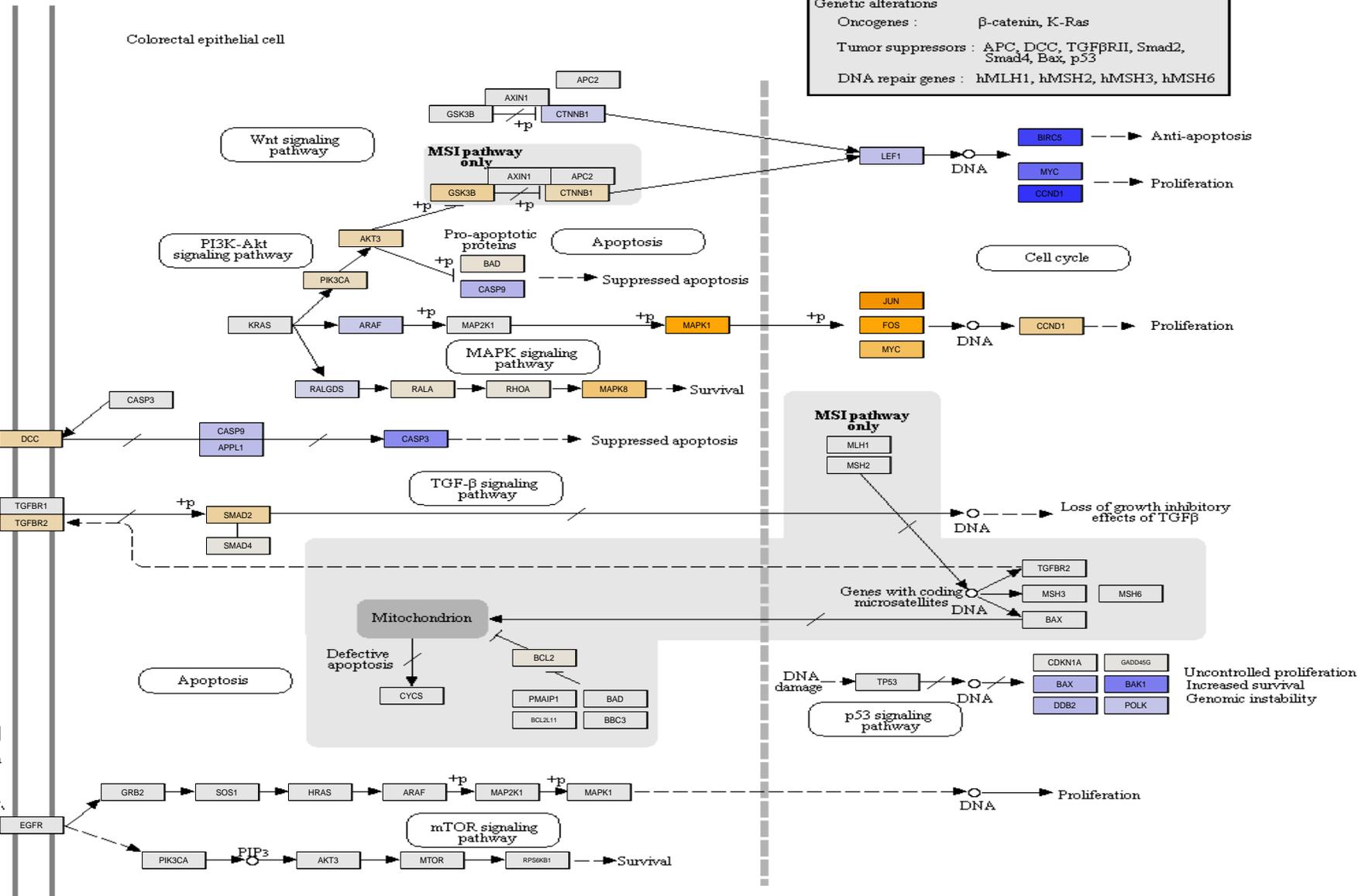
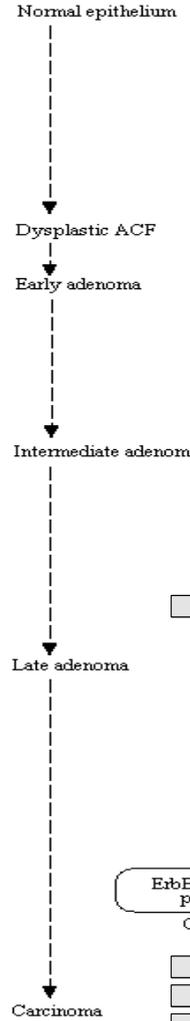


Colorectal epithelial cell



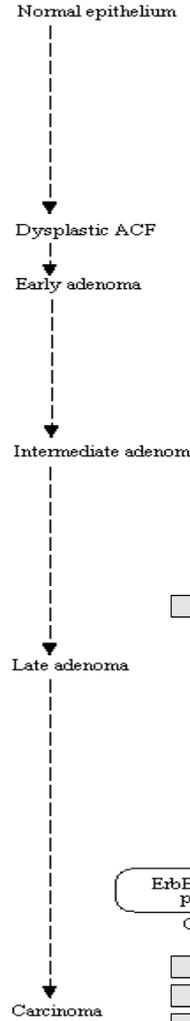
Colorectal_cancer group 3

Chromosome Unstable (CIN) pathway
Microsatellite Unstable (MSI) pathway

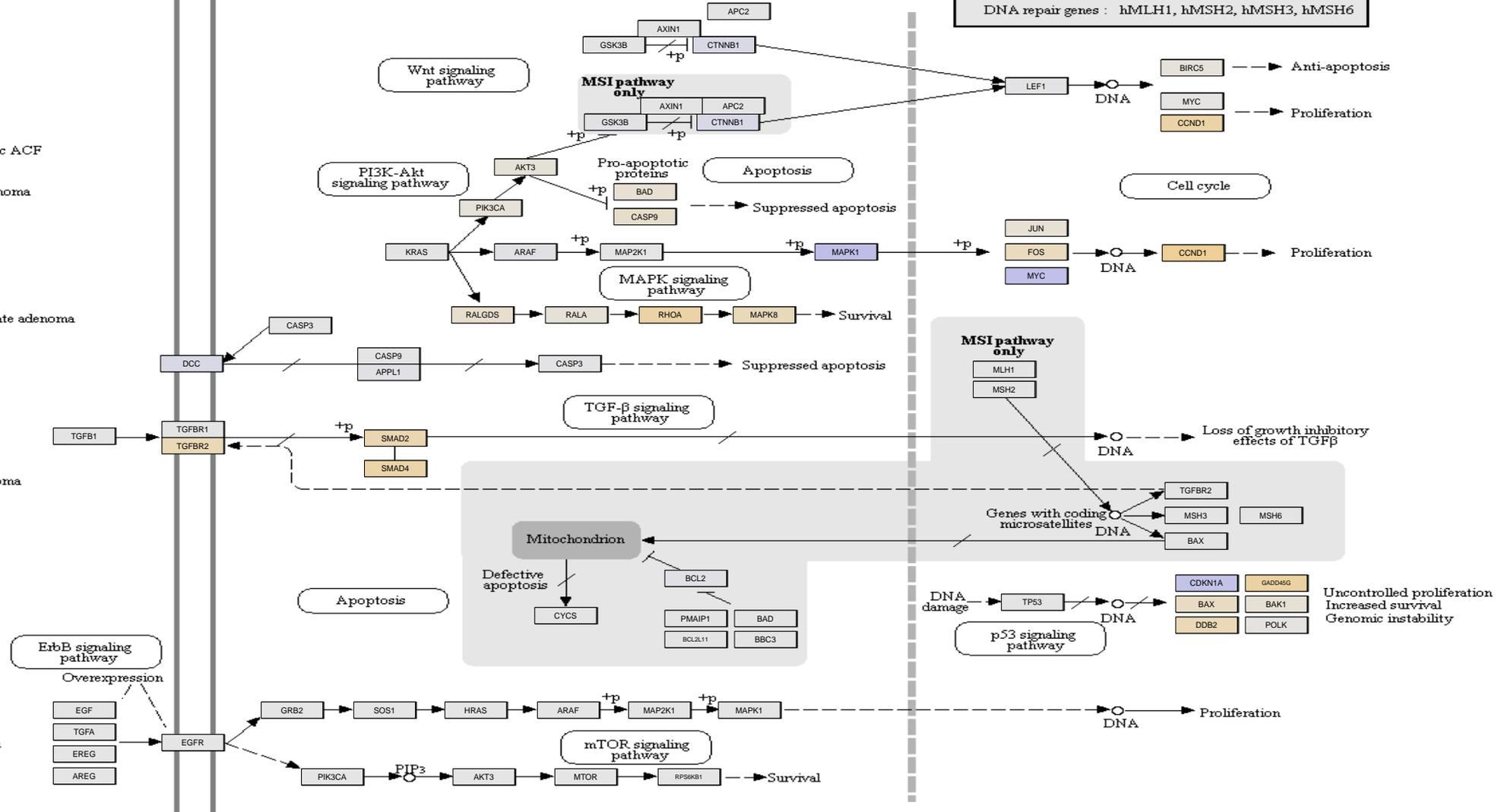


Colorectal_cancer group 4

Chromosome Unstable (CIN) pathway
Microsatellite Unstable (MSI) pathway

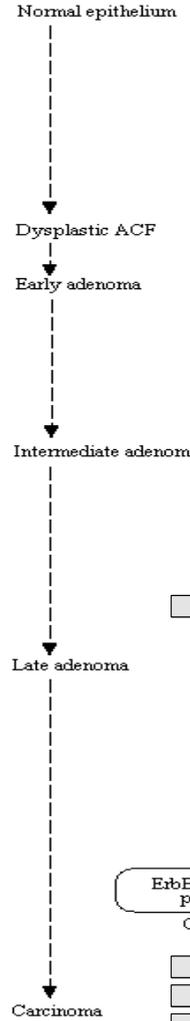


Colorectal epithelial cell

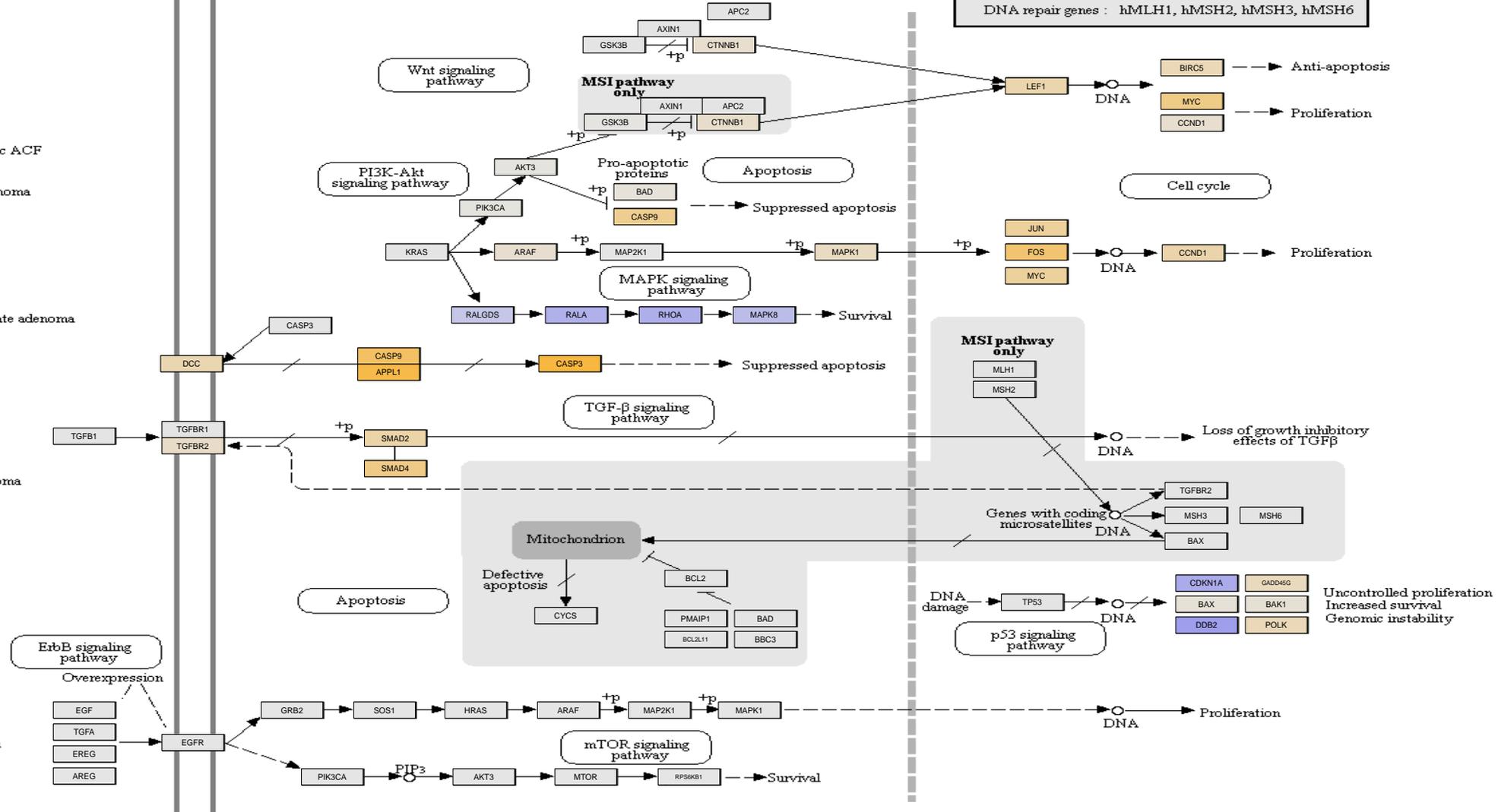


Colorectal_cancer group 5

Chromosome Unstable (CIN) pathway
Microsatellite Unstable (MSI) pathway

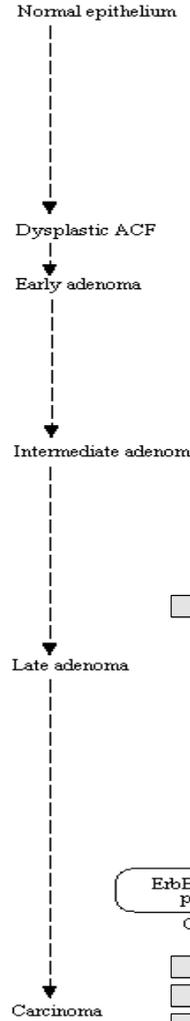


Colorectal epithelial cell

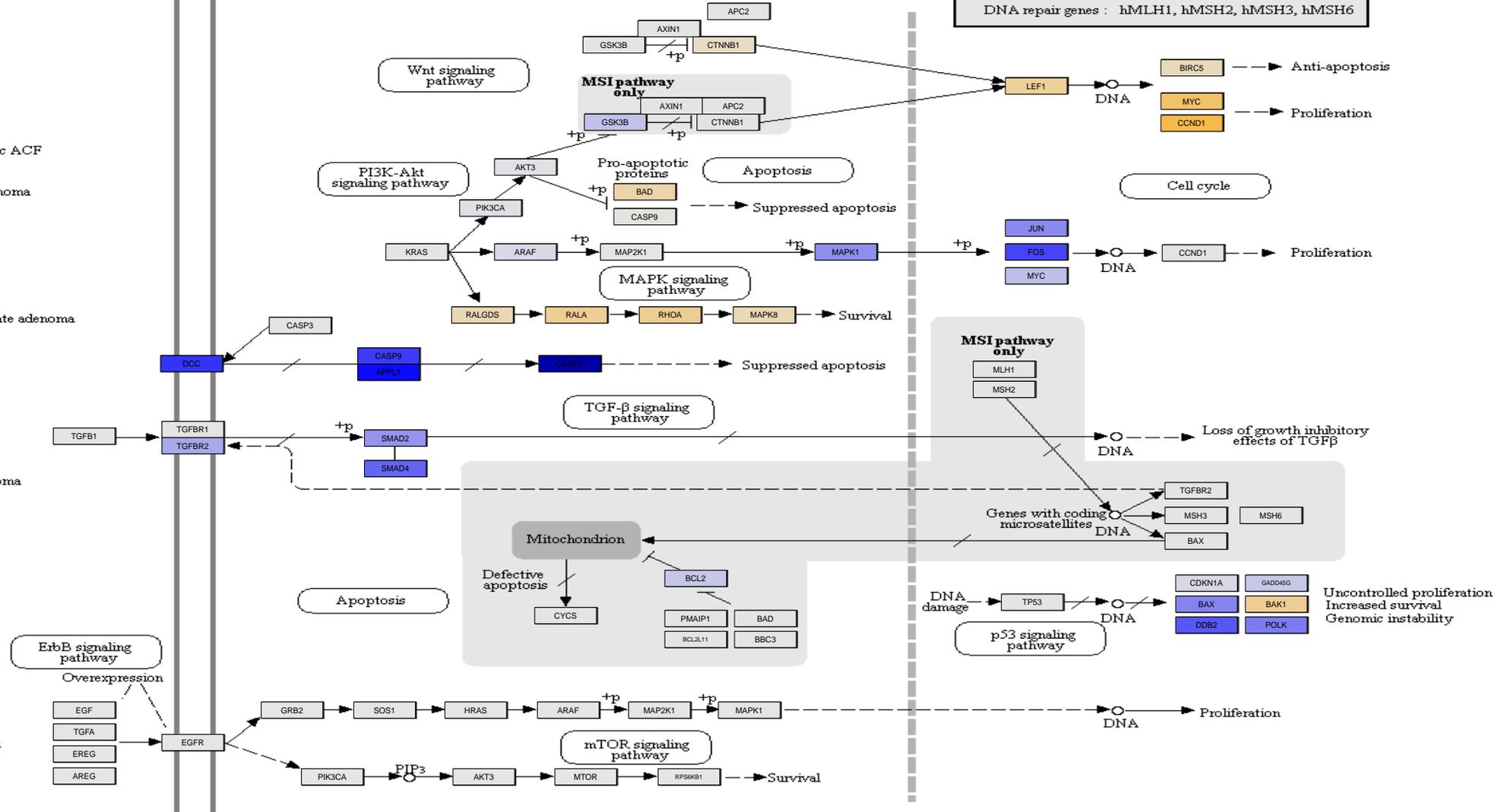


Colorectal_cancer group 6

Chromosome Unstable (CIN) pathway
Microsatellite Unstable (MSI) pathway

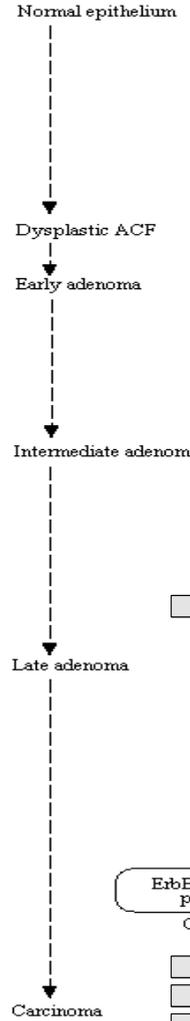


Colorectal epithelial cell

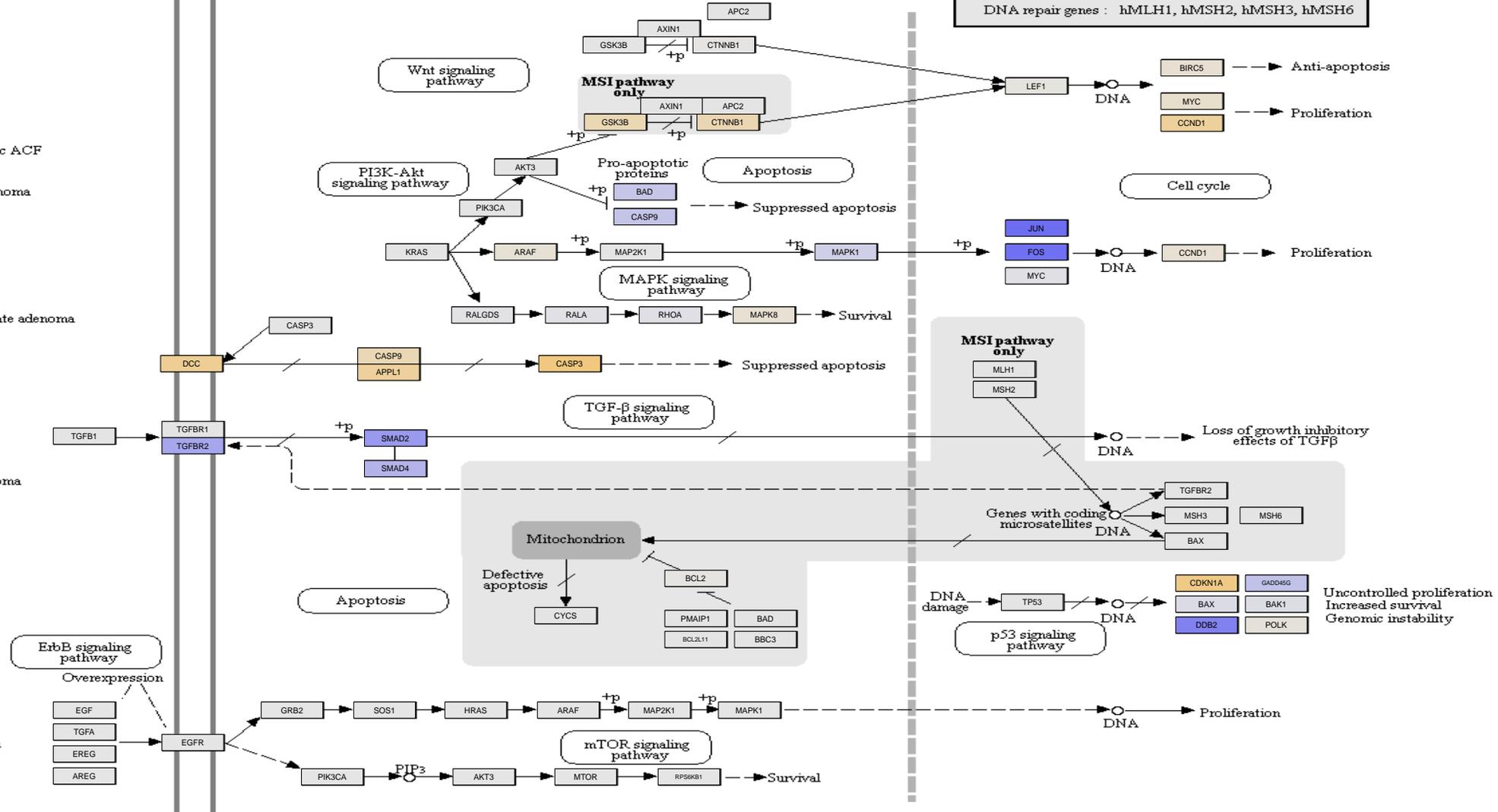


Colorectal_cancer group 7

Chromosome Unstable (CIN) pathway
Microsatellite Unstable (MSI) pathway

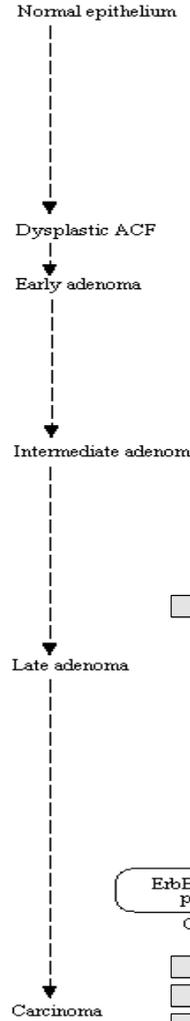


Colorectal epithelial cell



Colorectal_cancer group 8

Chromosome Unstable (CIN) pathway
Microsatellite Unstable (MSI) pathway



Colorectal epithelial cell

Genetic alterations
 Oncogenes : β -catenin, K-Ras
 Tumor suppressors : APC, DCC, TGF β RII, Smad2, Smad4, Bax, p53
 DNA repair genes : hMLH1, hMSH2, hMSH3, hMSH6

