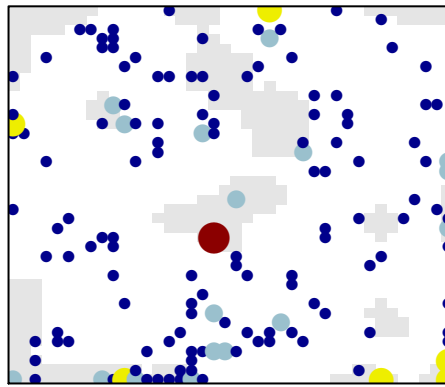
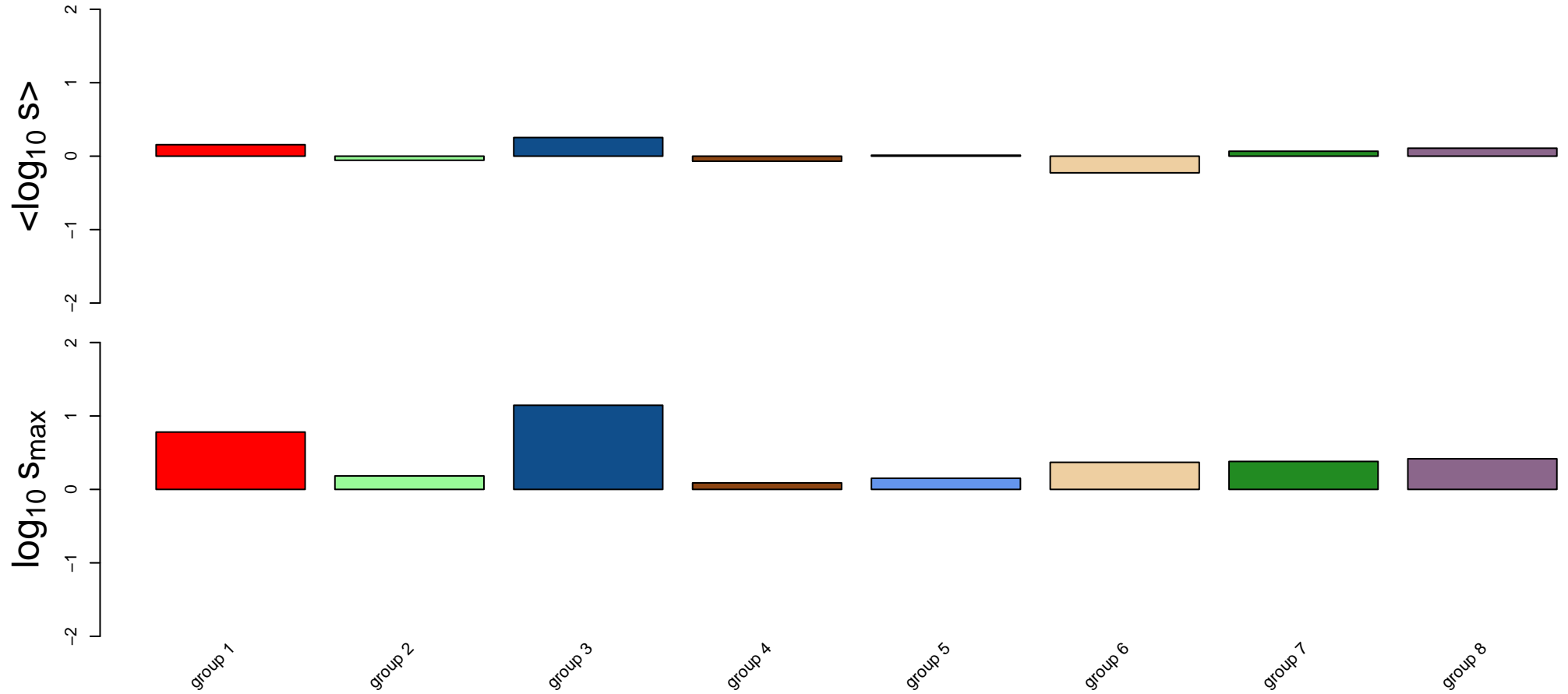
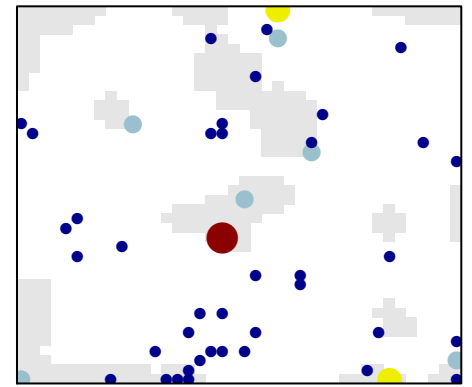


Renal cell carcinoma

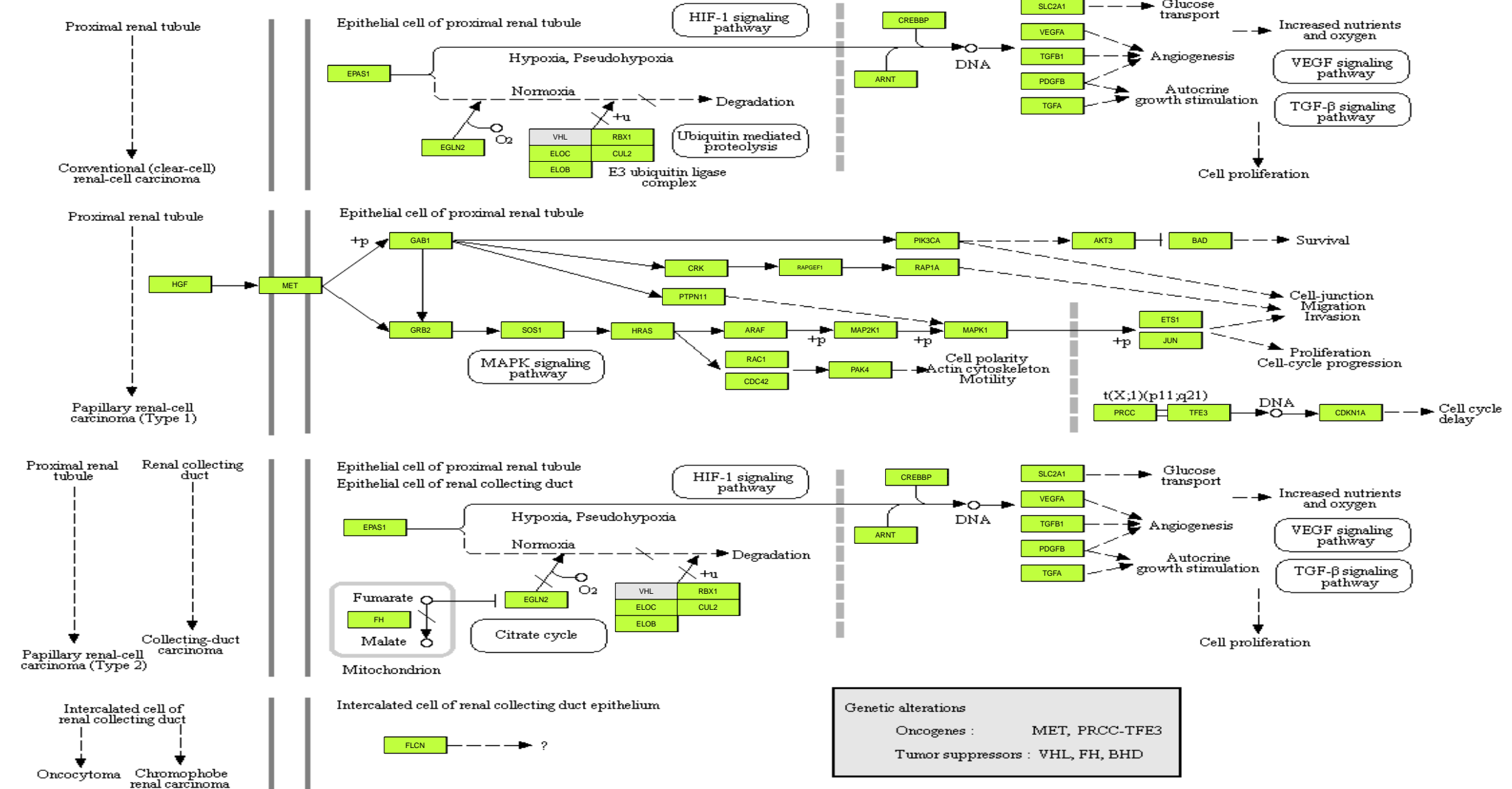
all genes



sink node genes



Renal_cell_carcinoma genes with data

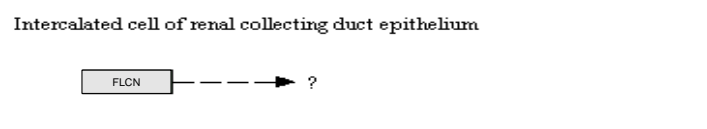
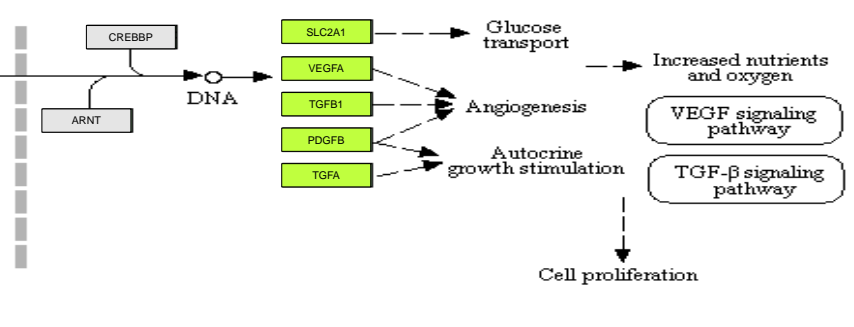
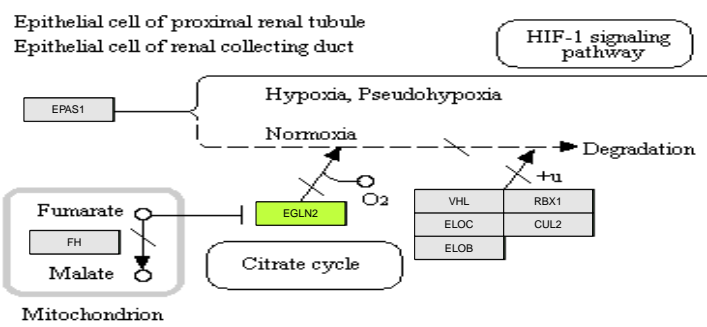
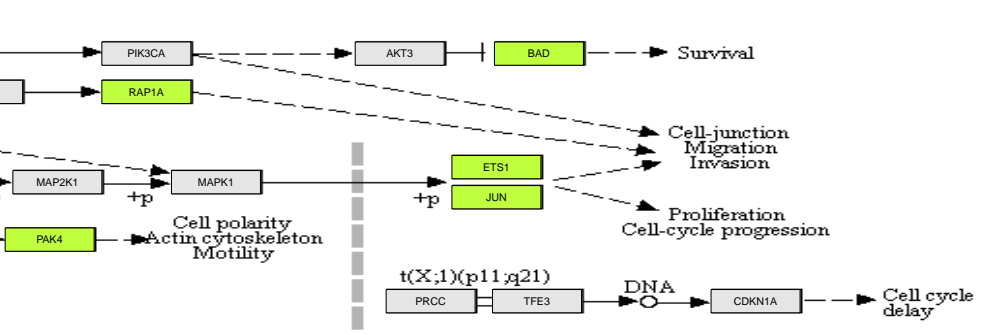
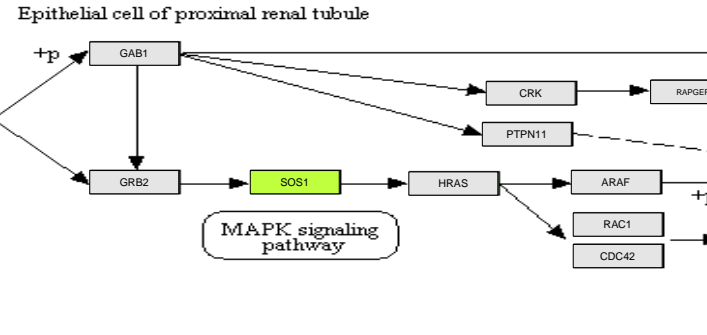
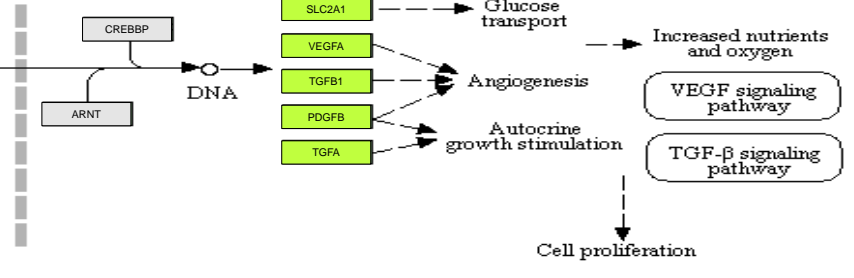
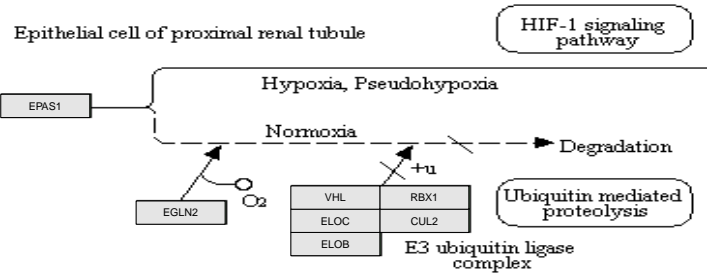
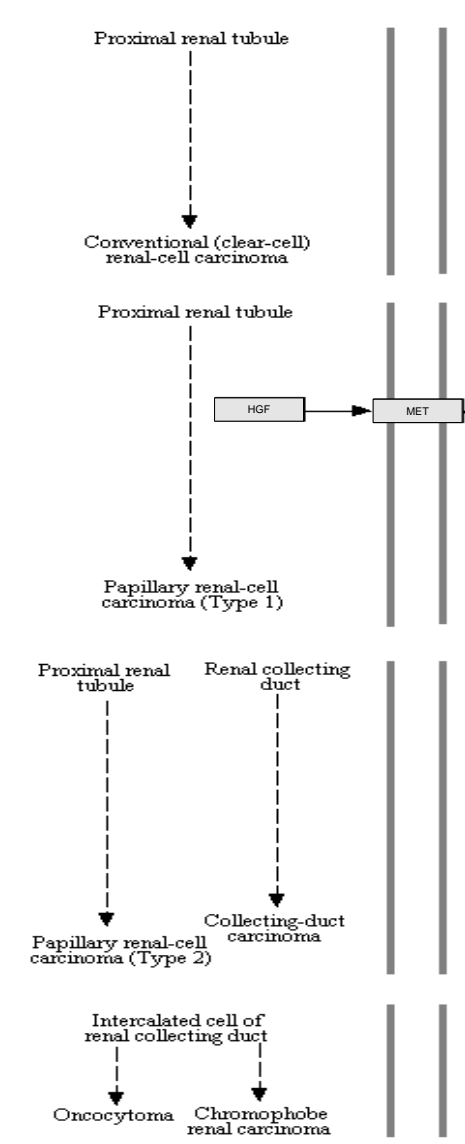


Genetic alterations

Oncogenes : MET, PRCC-TFE3

Tumor suppressors : VHL, FH, BHD

Renal_cell_carcinoma sink nodes

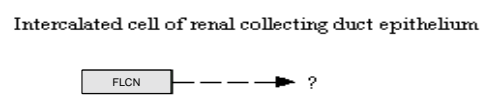
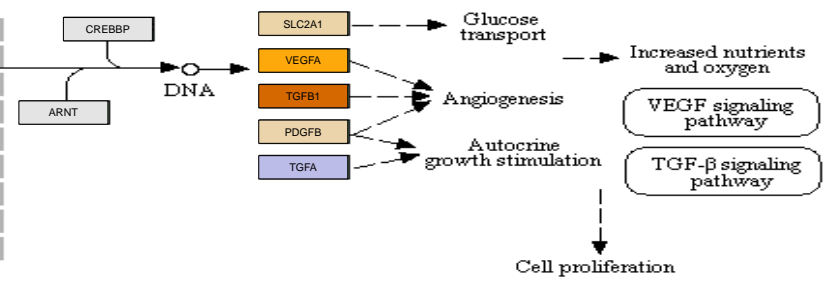
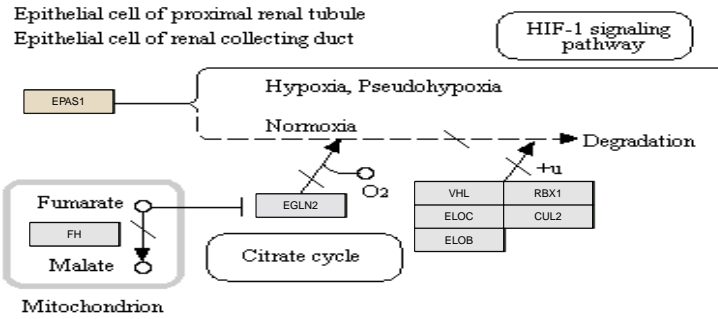
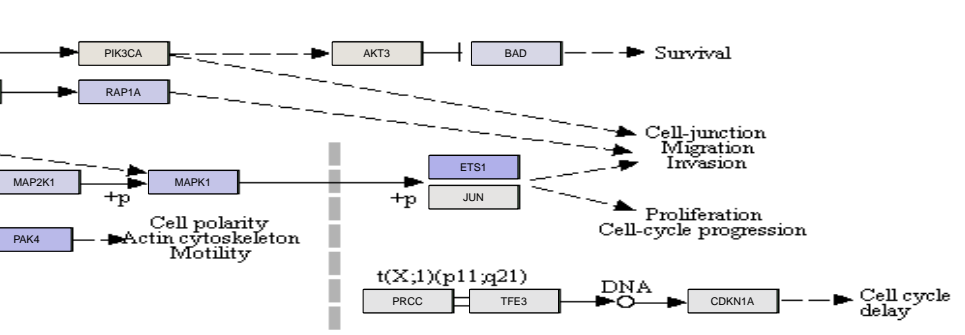
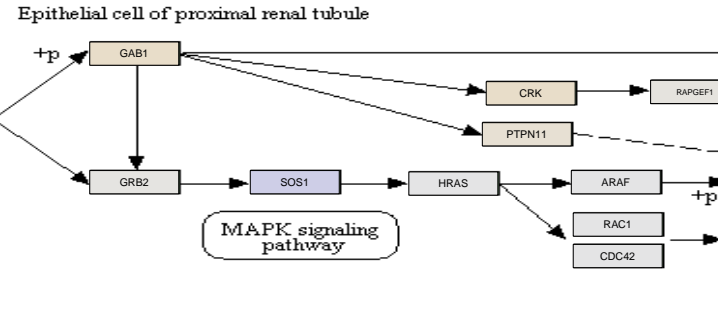
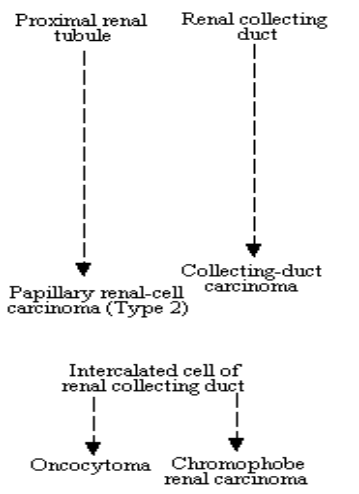
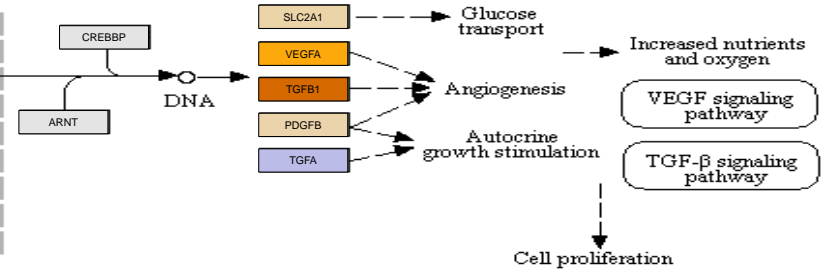
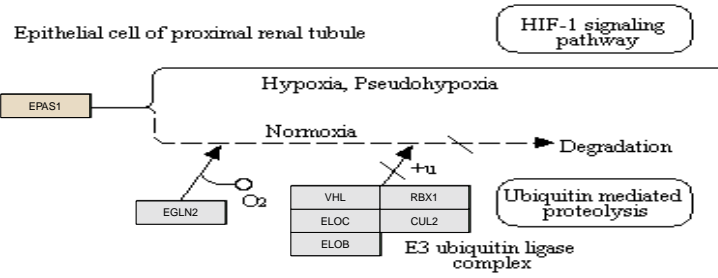
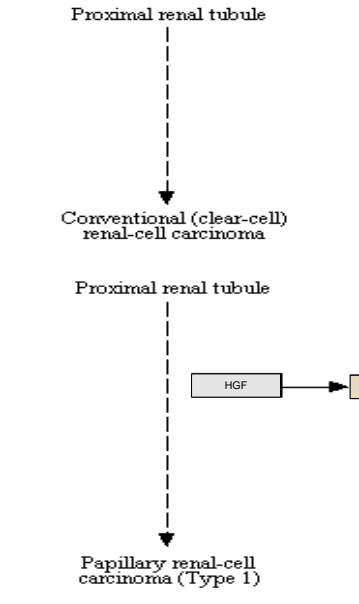


Genetic alterations

Oncogenes : MET, PRCC-TFE3

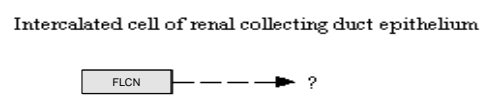
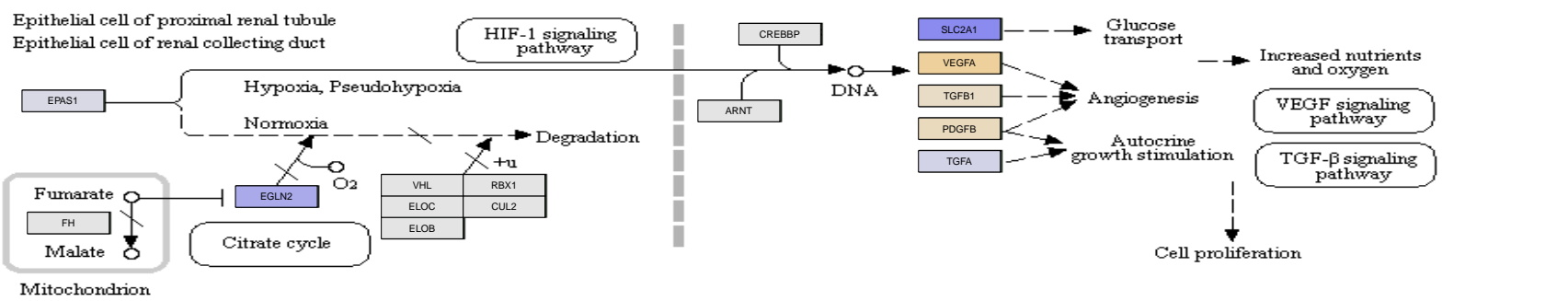
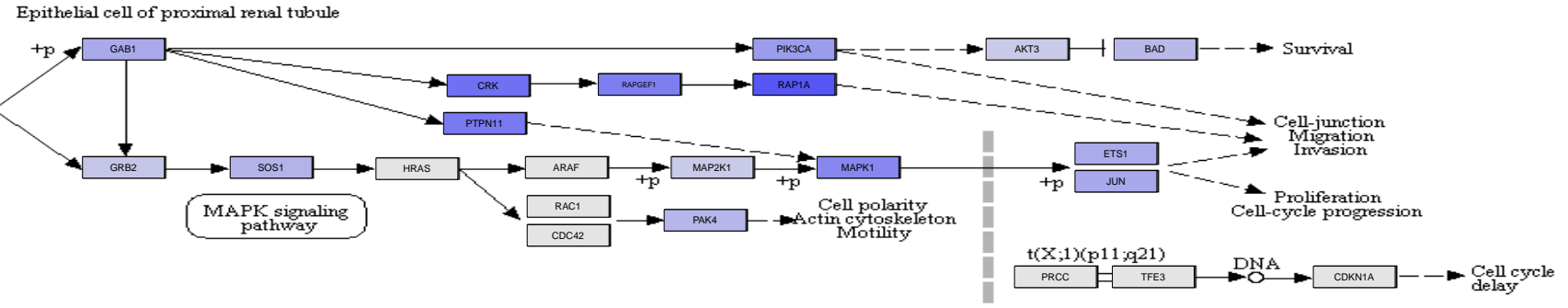
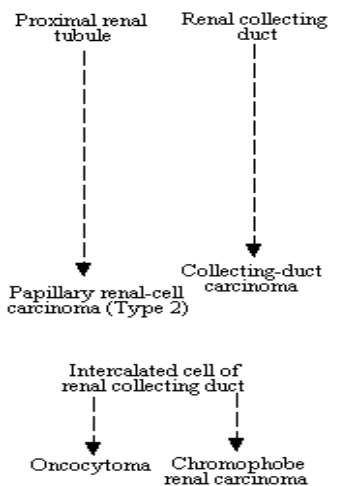
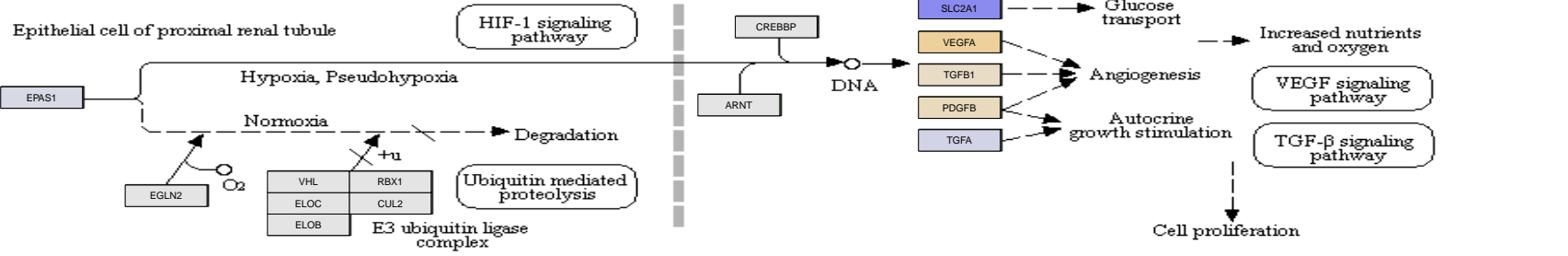
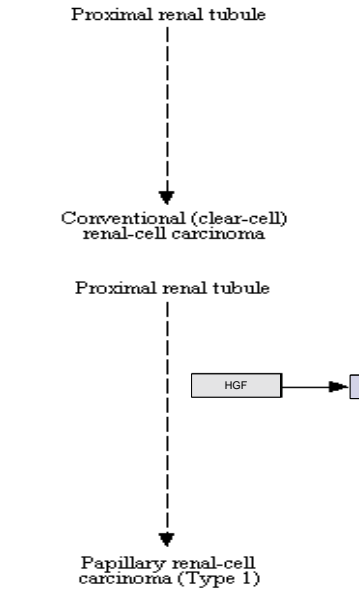
Tumor suppressors : VHL, FH, BHD

Renal_cell_carcinoma group 1



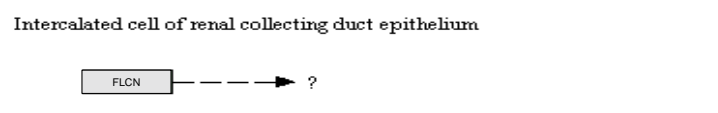
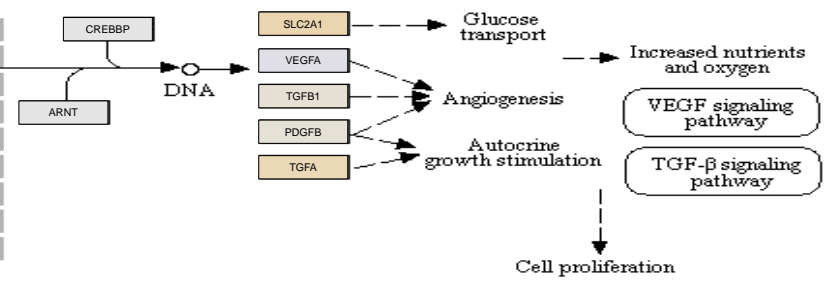
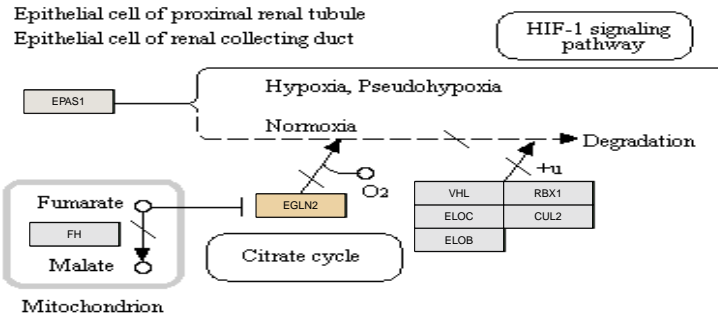
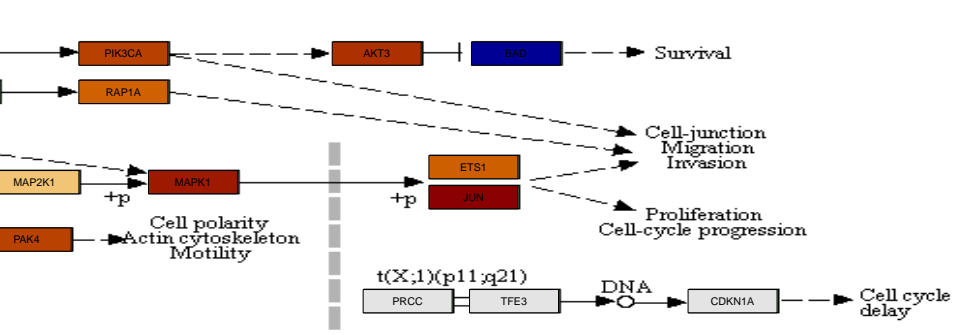
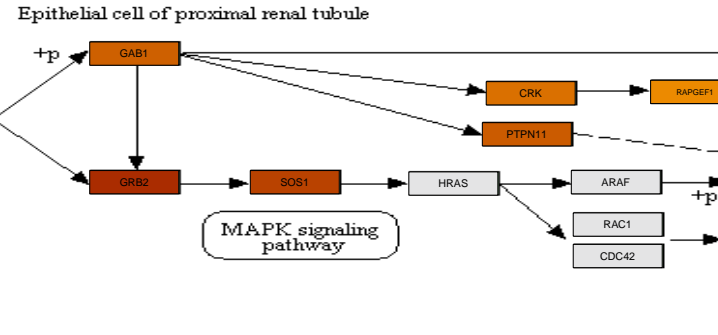
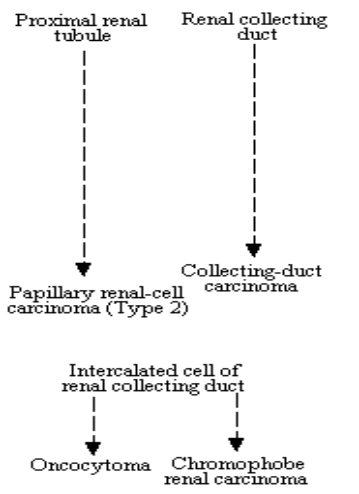
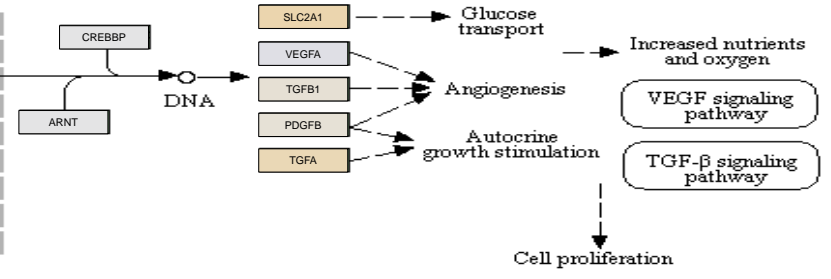
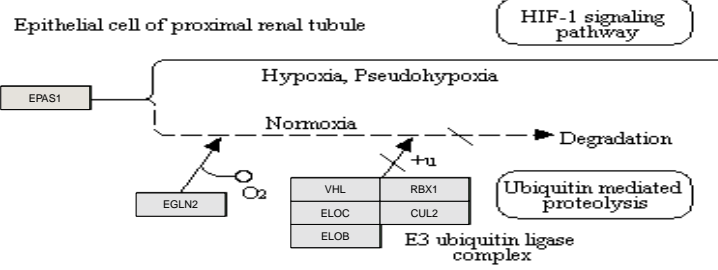
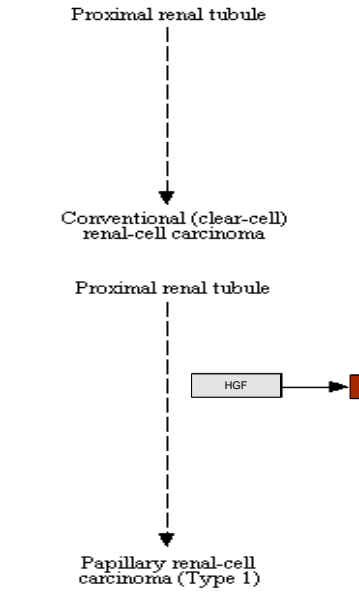
Genetic alterations
 Oncogenes : MET, PRCC-TFE3
 Tumor suppressors : VHL, FH, BHD

Renal_cell_carcinoma group 2



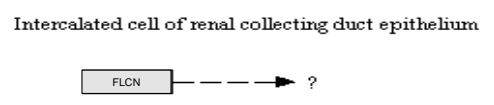
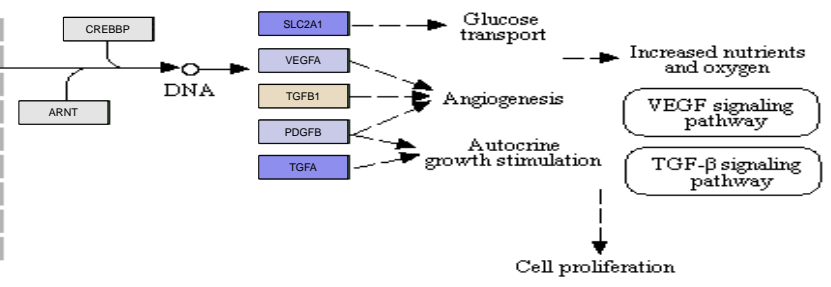
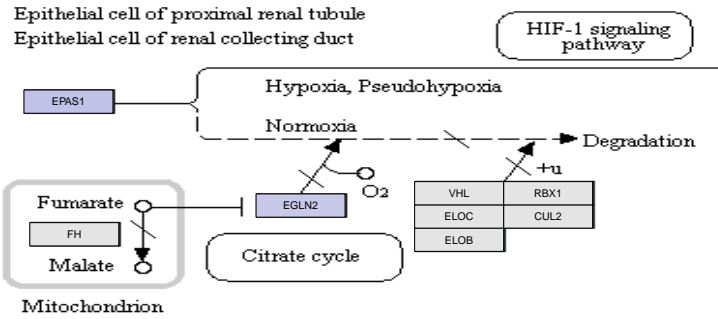
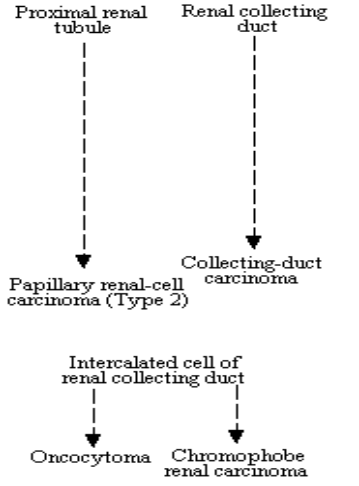
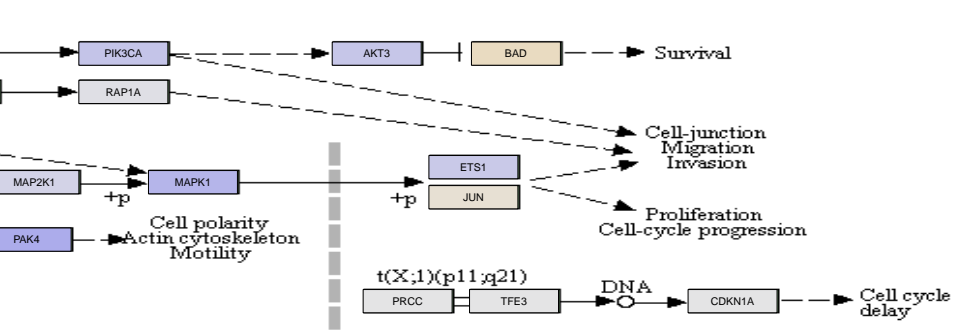
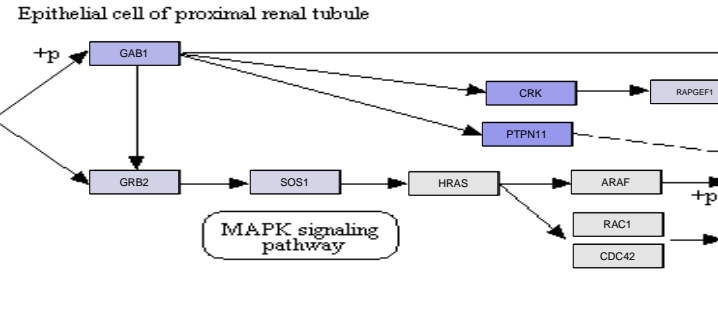
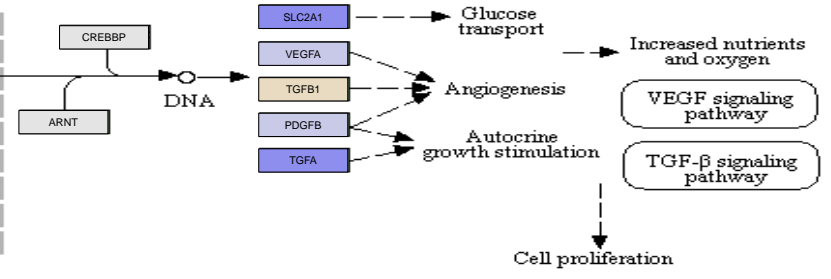
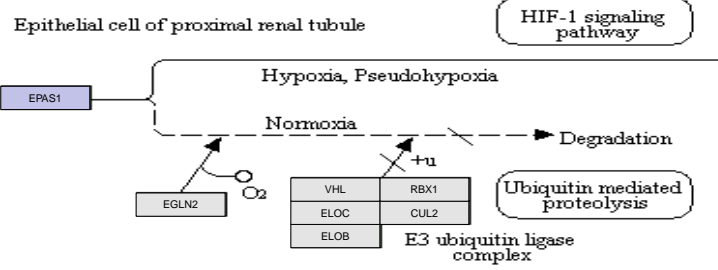
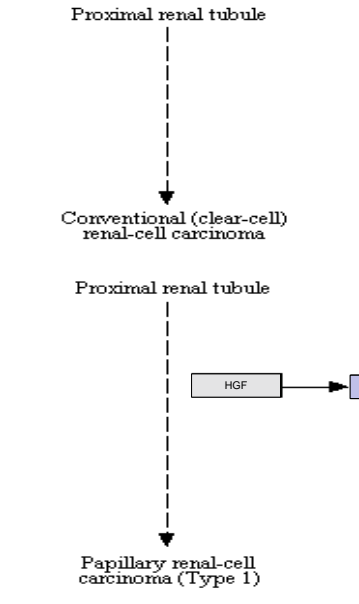
Genetic alterations
 Oncogenes : MET, PRCC-TFE3
 Tumor suppressors : VHL, FH, BHD

Renal_cell_carcinoma group 3



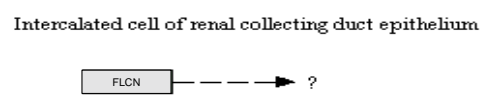
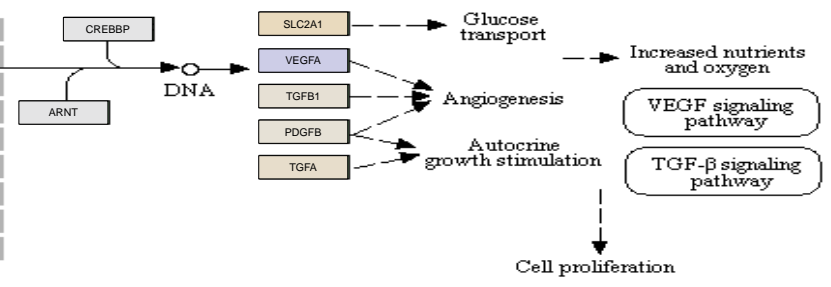
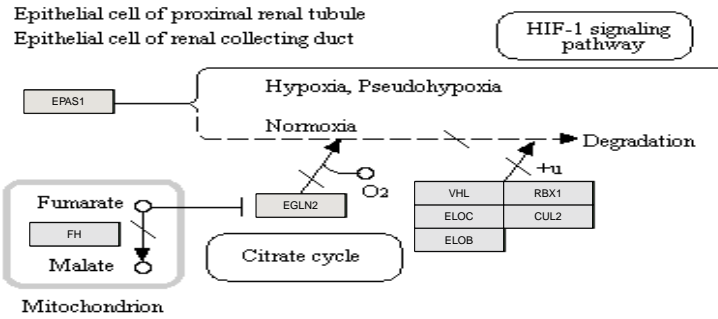
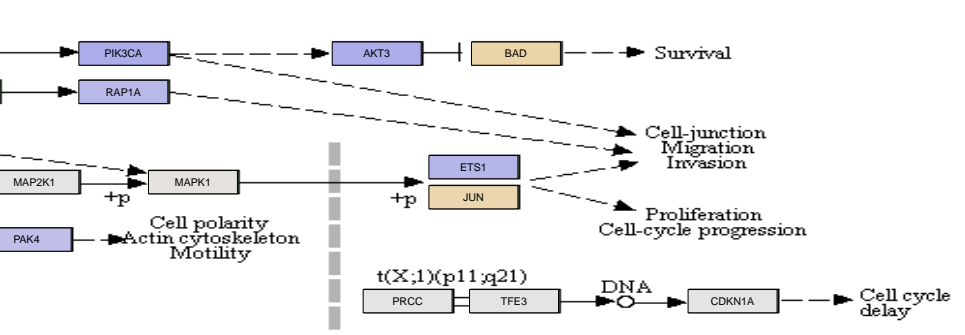
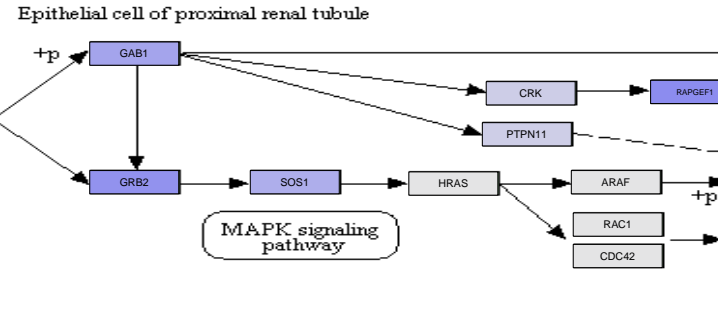
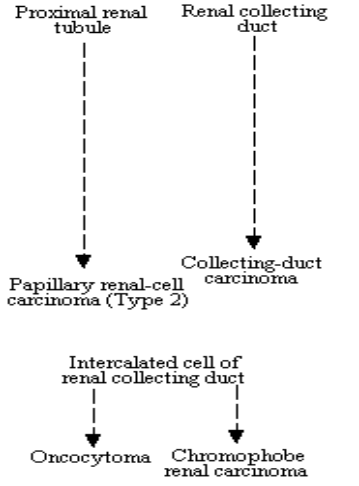
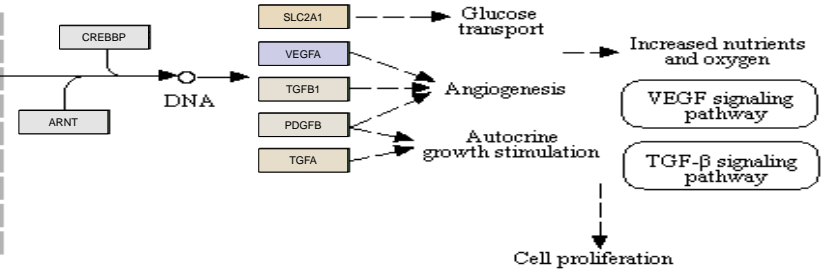
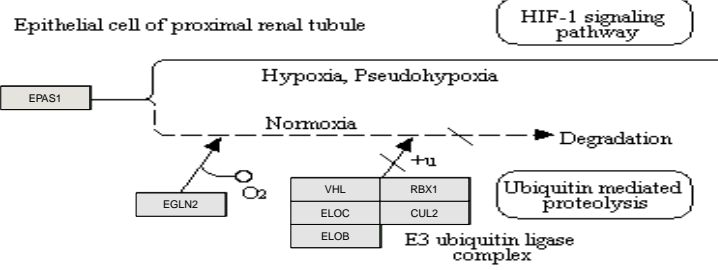
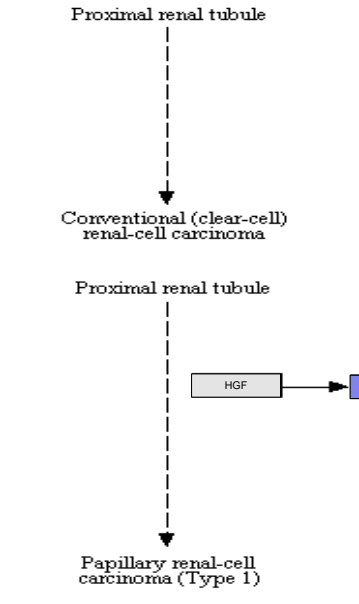
Genetic alterations
 Oncogenes : MET, PRCC-TFE3
 Tumor suppressors : VHL, FH, BHD

Renal_cell_carcinoma group 4



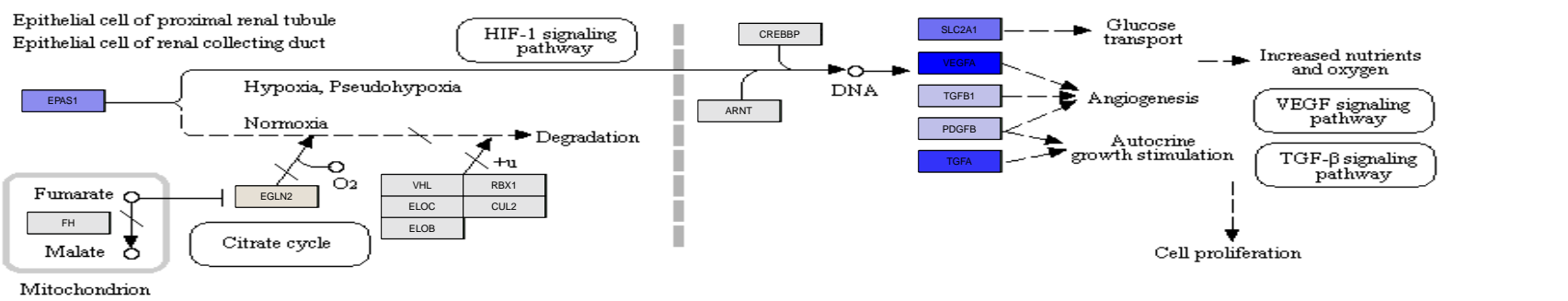
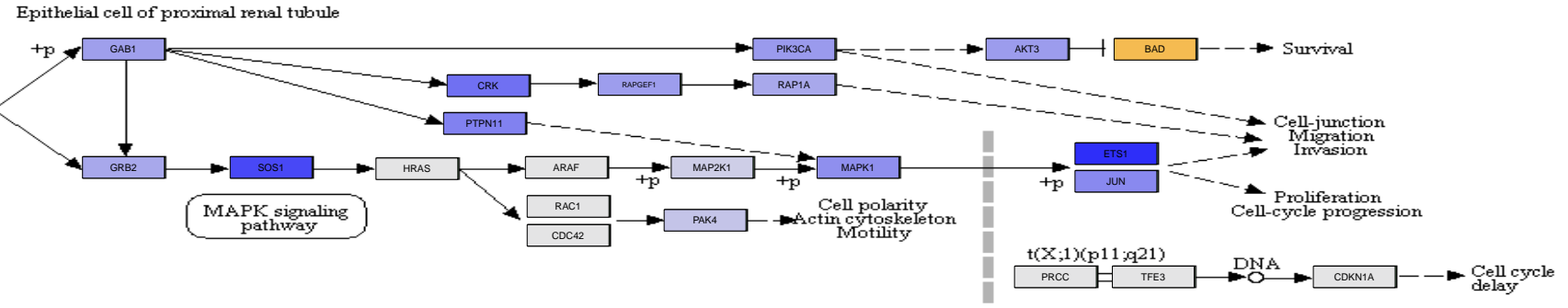
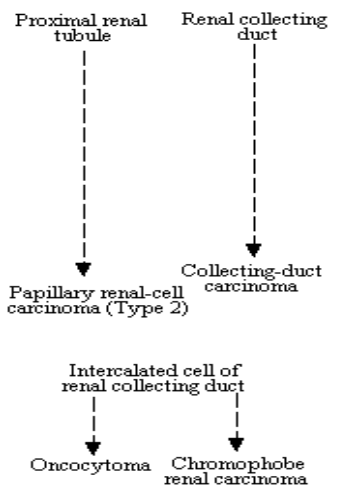
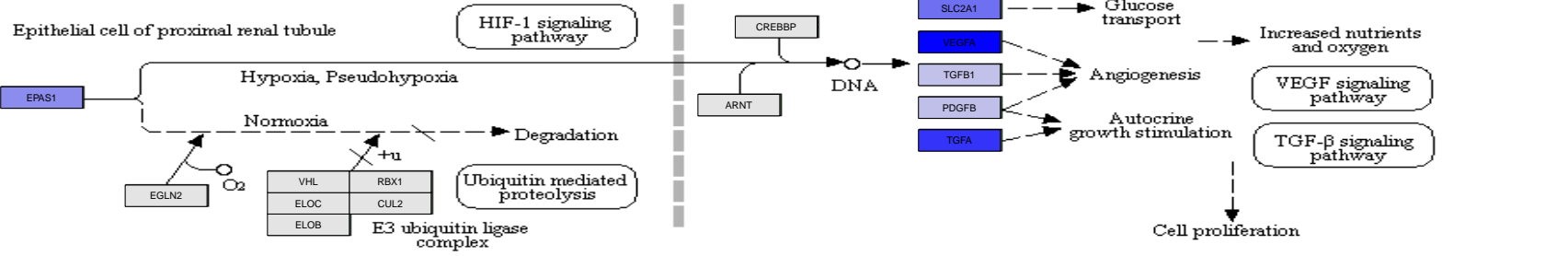
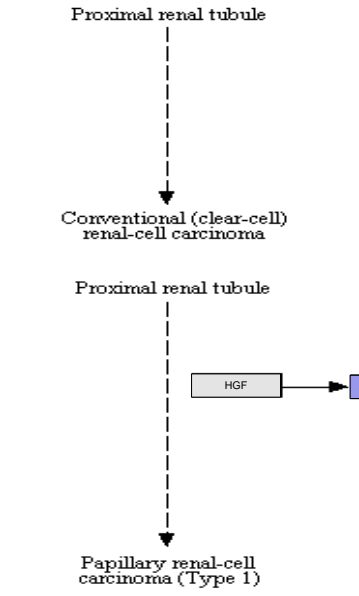
Genetic alterations
 Oncogenes : MET, PRCC-TFE3
 Tumor suppressors : VHL, FH, BHD

Renal_cell_carcinoma group 5

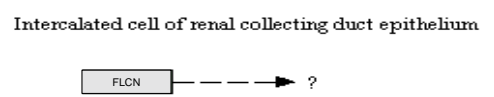
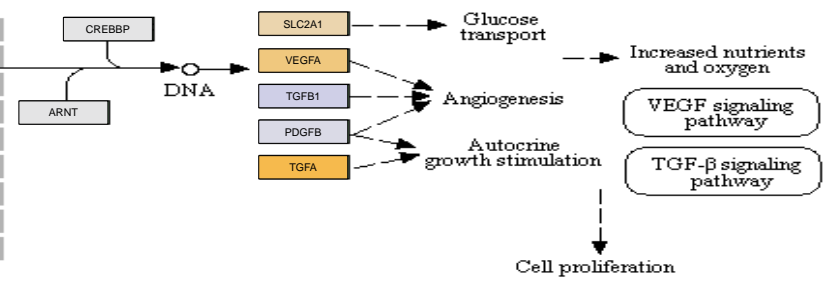
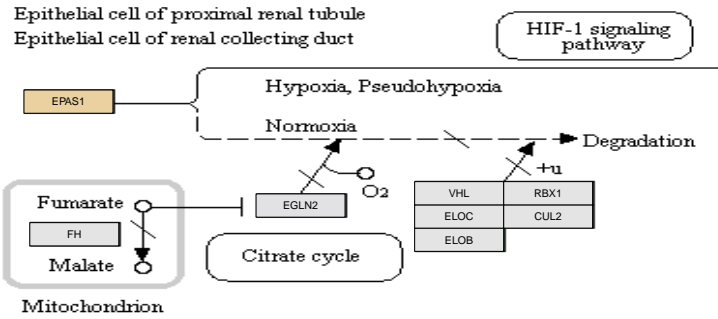
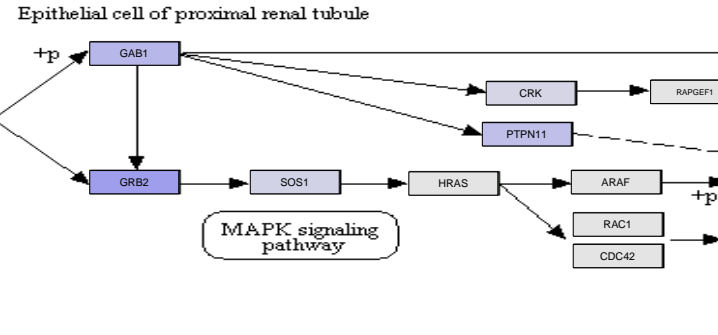
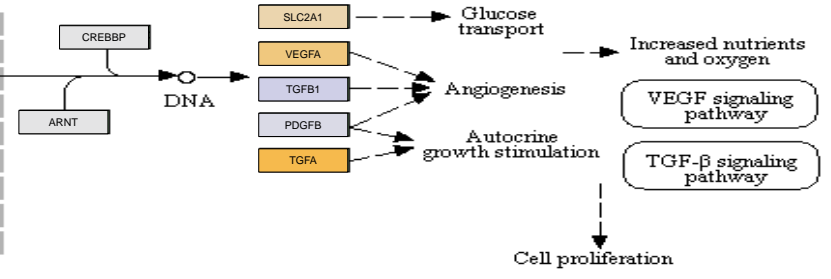
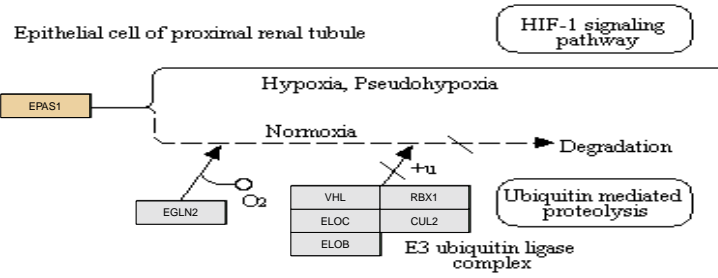
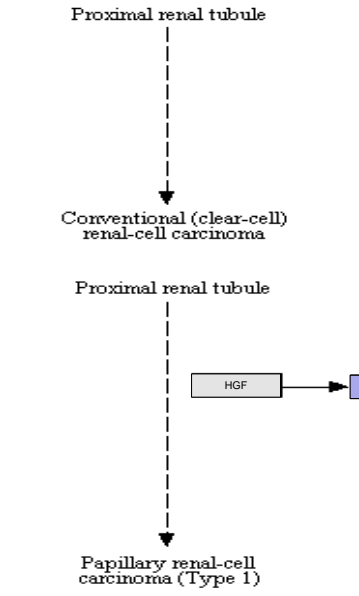


Genetic alterations
 Oncogenes : MET, PRCC-TFE3
 Tumor suppressors : VHL, FH, BHD

Renal_cell_carcinoma group 6



Renal_cell_carcinoma group 7



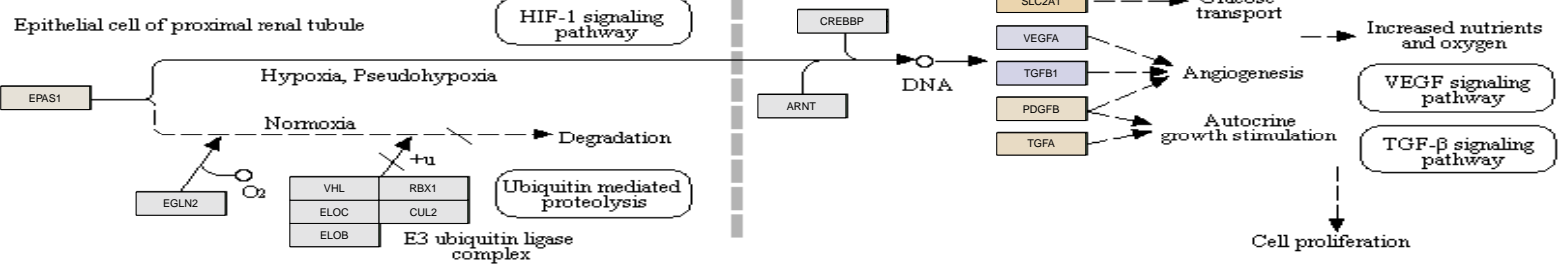
Genetic alterations

Oncogenes : MET, PRCC-TFE3

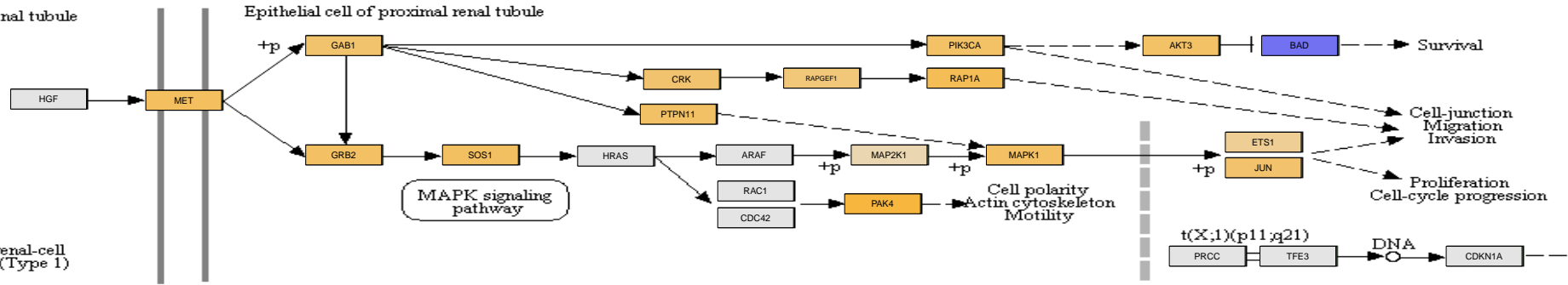
Tumor suppressors : VHL, FH, BHD

Renal_cell_carcinoma group 8

Proximal renal tubule
 ↓
 Conventional (clear-cell) renal-cell carcinoma

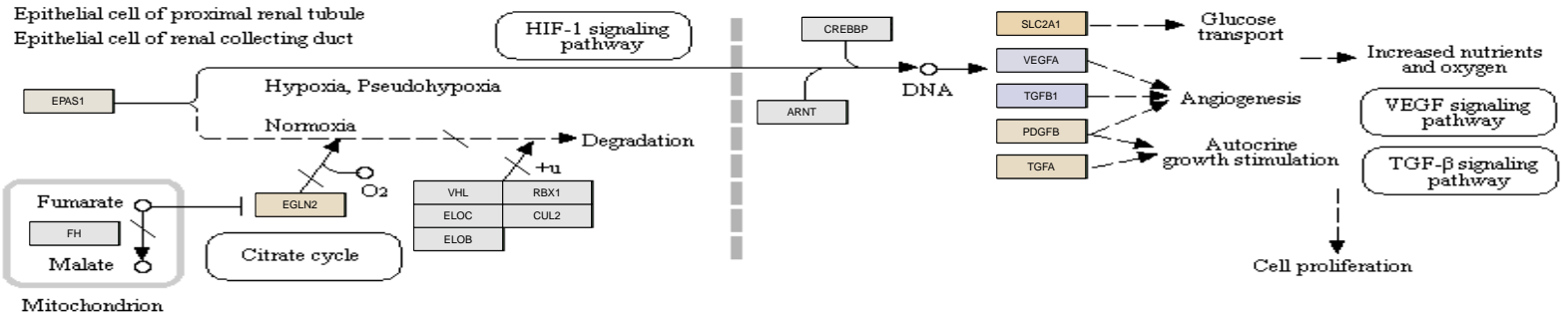


Proximal renal tubule
 ↓
 Papillary renal-cell carcinoma (Type 1)



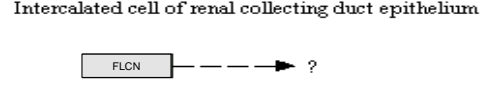
Proximal renal tubule
 ↓
 Papillary renal-cell carcinoma (Type 2)

Renal collecting duct
 ↓
 Collecting-duct carcinoma



Intercalated cell of renal collecting duct
 ↓
 Oncocytoma

Chromophobe renal carcinoma



Genetic alterations
 Oncogenes : MET, PRCC-TFE3
 Tumor suppressors : VHL, FH, BHD