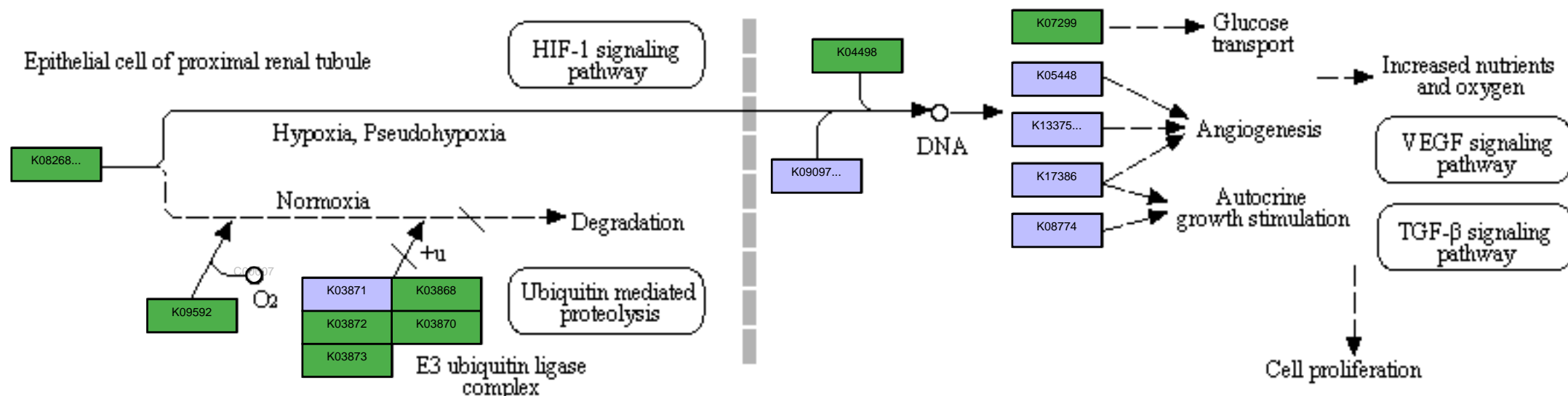


RENAL CELL CARCINOMA

Proximal renal tubule

Conventional (clear-cell) renal-cell carcinoma

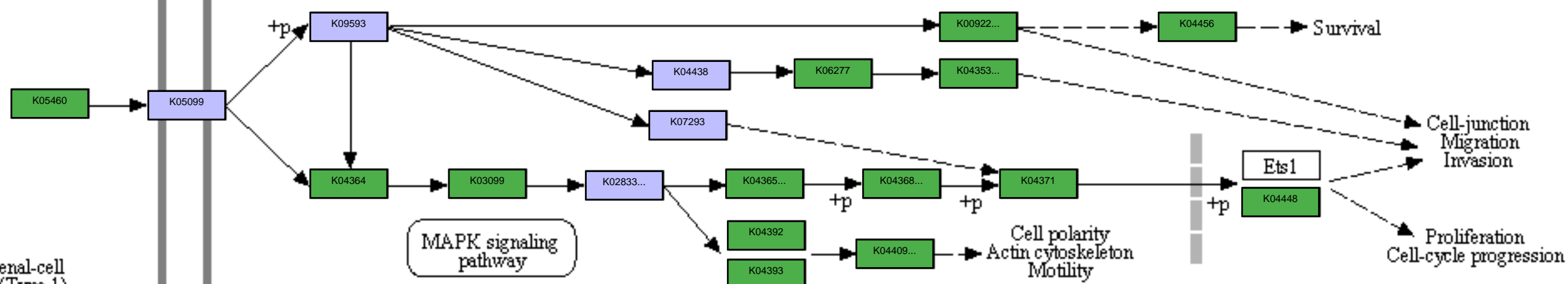
Epithelial cell of proximal renal tubule



Proximal renal tubule

Papillary renal-cell carcinoma (Type 1)

Epithelial cell of proximal renal tubule

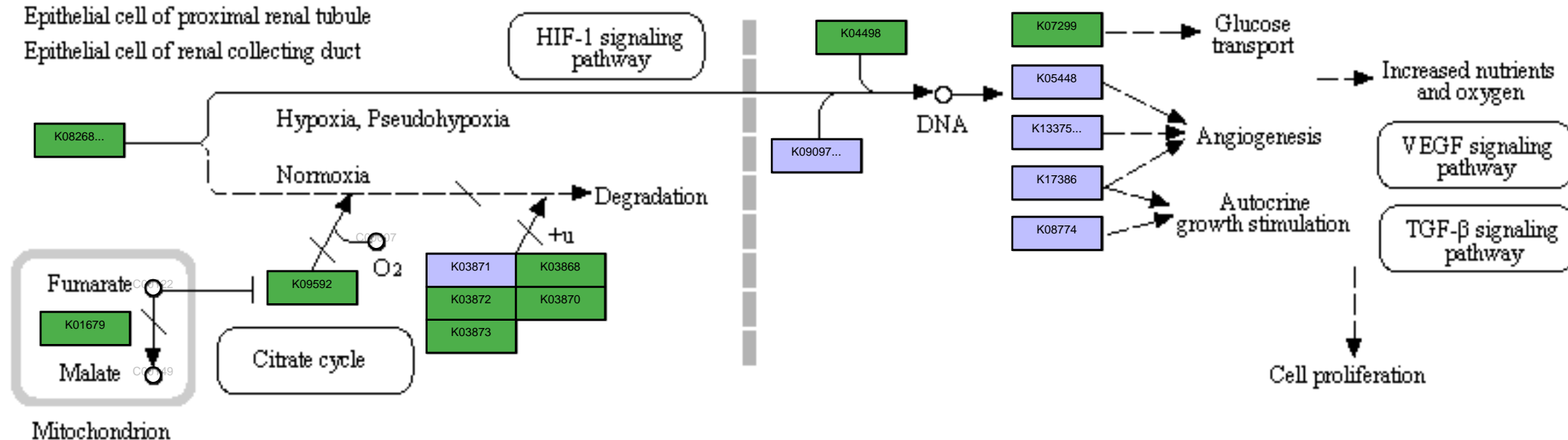


Proximal renal tubule Renal collecting duct

Papillary renal-cell carcinoma (Type 2)

Collecting-duct carcinoma

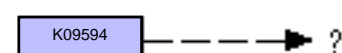
Epithelial cell of proximal renal tubule
Epithelial cell of renal collecting duct



Intercalated cell of renal collecting duct

Oncocytoma Chromophobe renal carcinoma

Intercalated cell of renal collecting duct epithelium



Genetic alterations

Oncogenes : MET

Tumor suppressors : VHL, FH, BHD