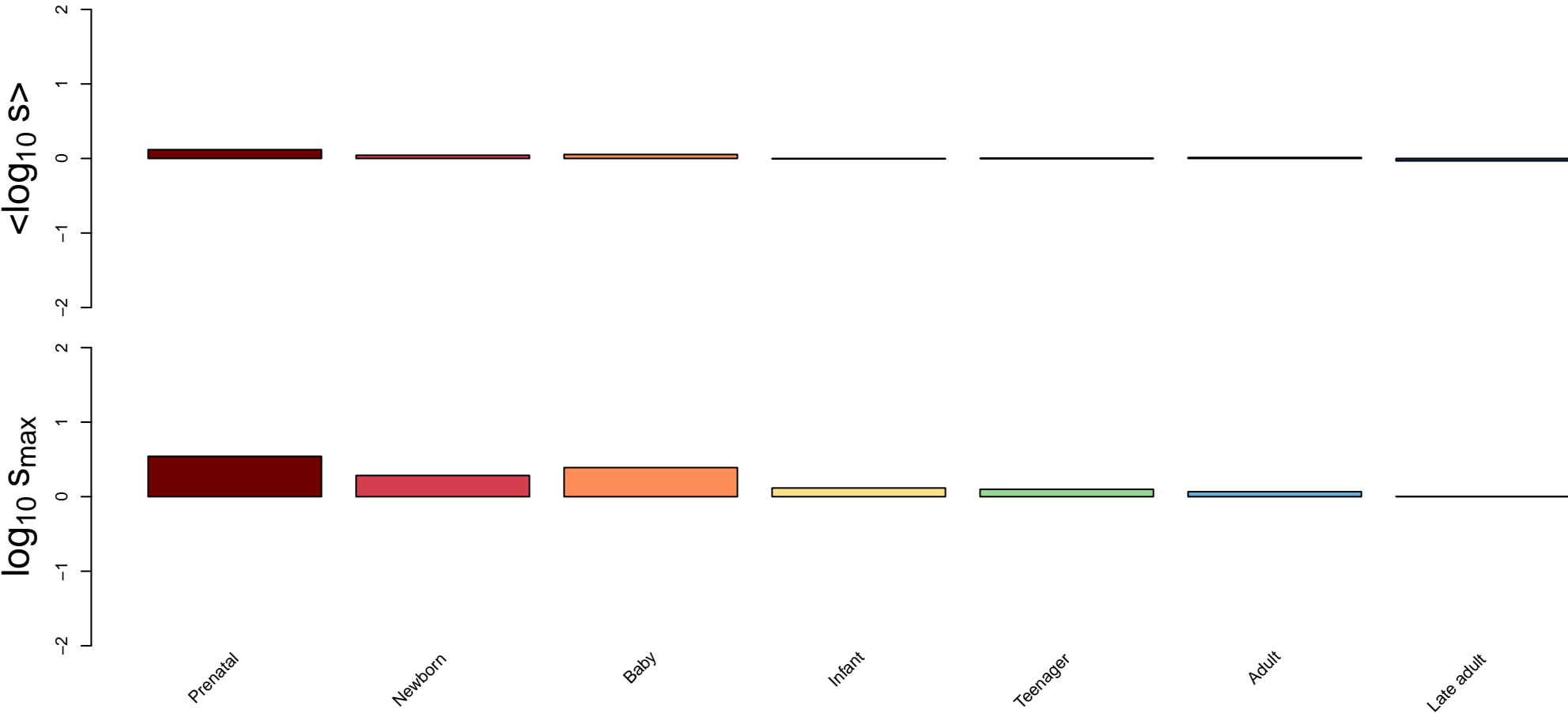


MAPK signaling pathway

all genes



maximum = -Inf



MAPK signaling pathway
genes with data

Classical MAP kinase
pathway

JNK and p38 MAP kinase
pathway

Serum, cytotoxic drugs,
irradiation, heatshock,
reactive oxygen species,
lipopolysaccharide,
and other stress

ERK5 pathway

Serum, EGF,
reactive oxygen species,
or
Src tyrosinase
downstream

Phosphatidylinositol
signaling system

Proliferation,
inflammation
anti-apoptosis

Proliferation,
differentiation

Proliferation,
differentiation,
inflammation
Apoptosis

Proliferation,
differentiation

Cell
cycle

MAPKKKK

MAPKKKK

MAPKK

MAPK

Transcription
factor

DNA

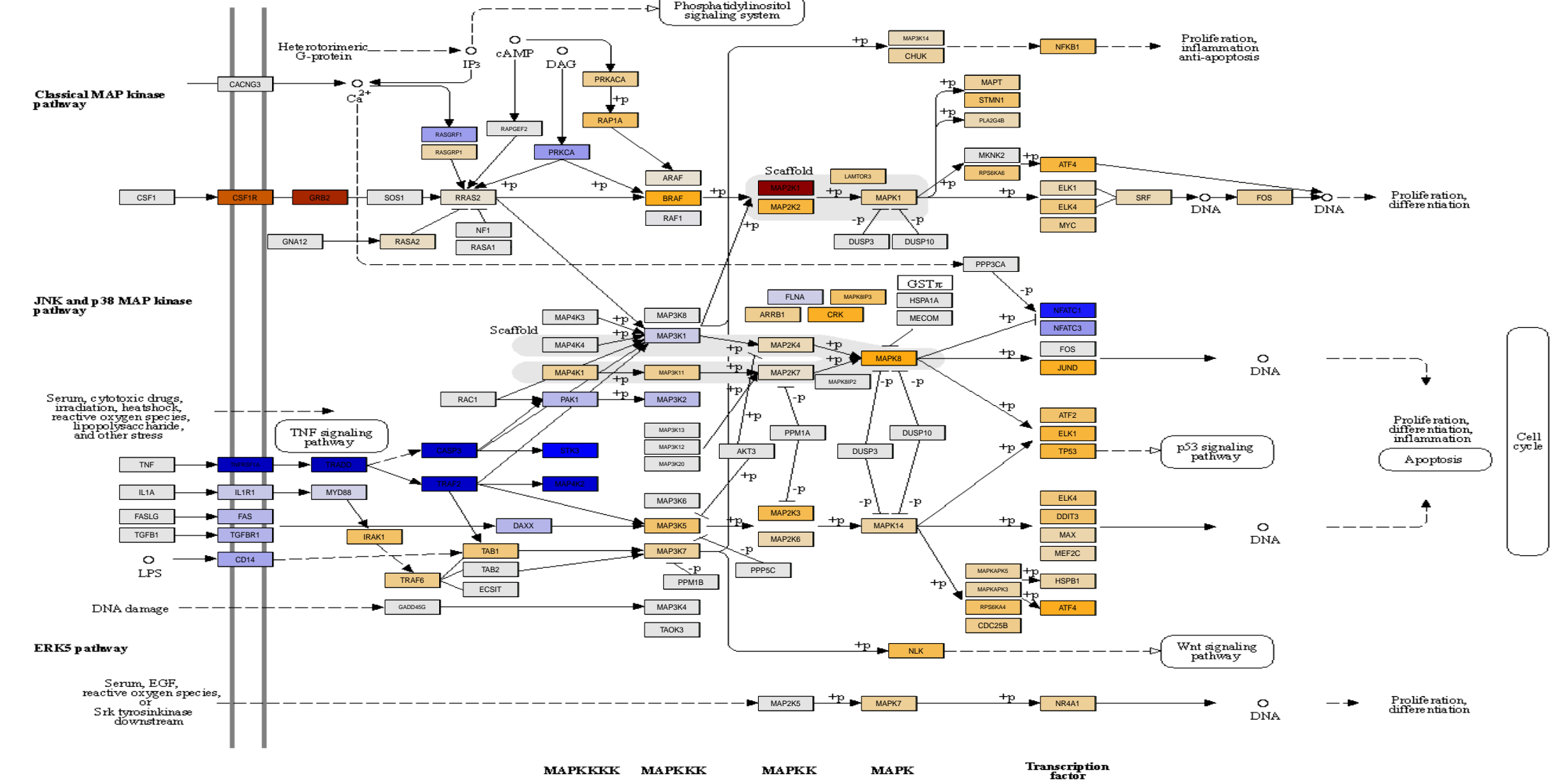
DNA

DNA

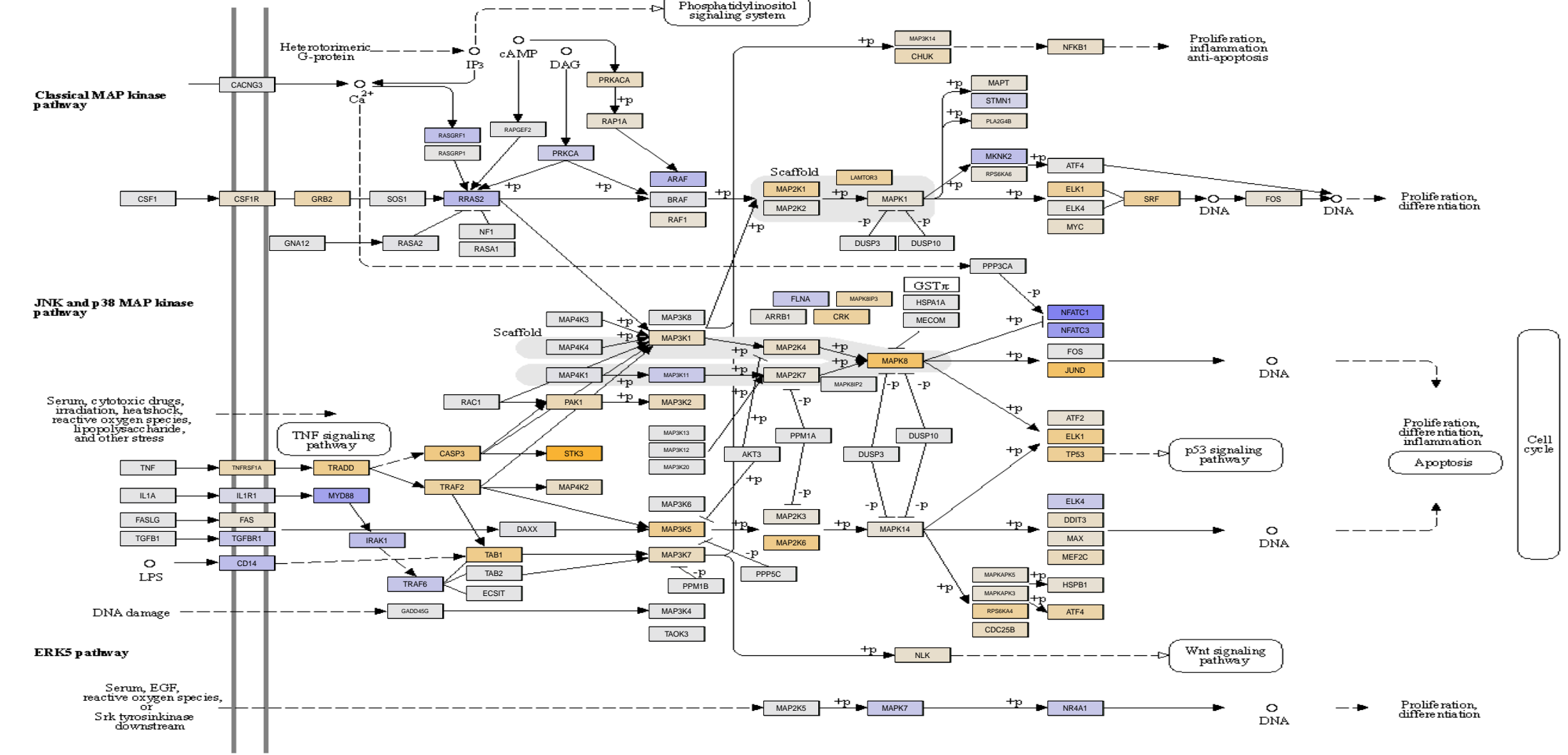
p53 signaling
pathway

Wnt signaling
pathway

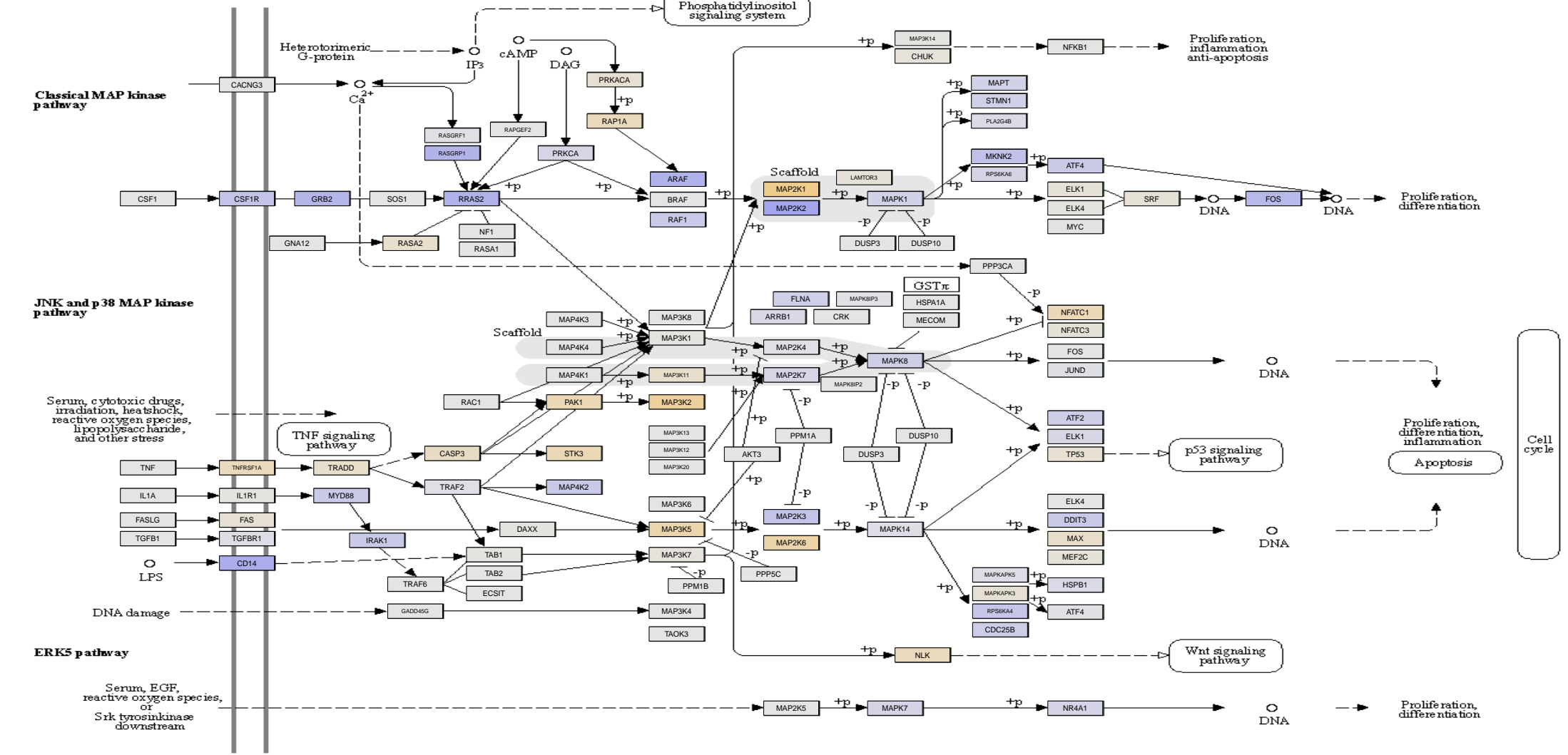
MAPK signaling pathway Prenatal



MAPK signaling pathway
Newborn



MAPK signaling pathway
Infant



MAPK signaling pathway
Teenager

