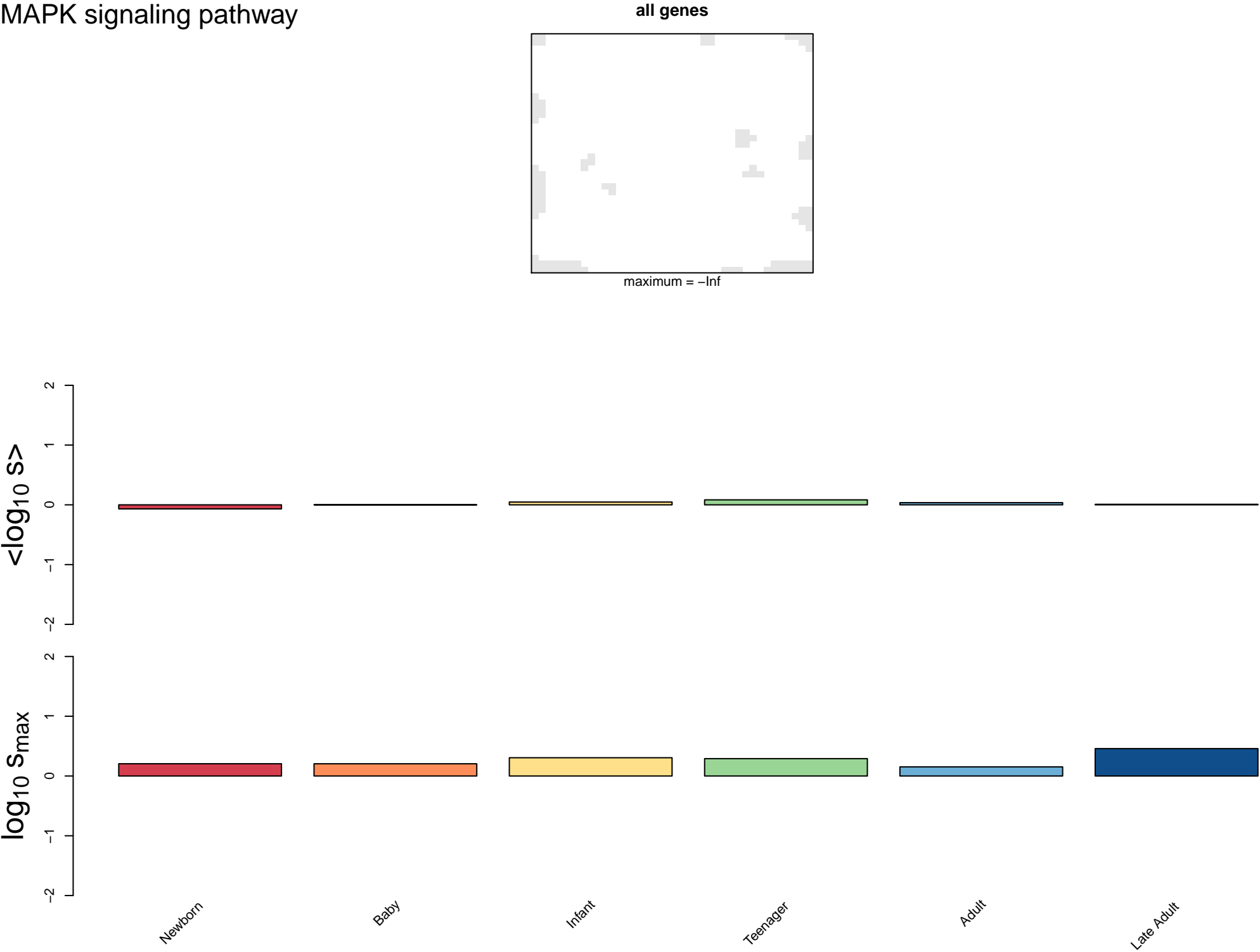


MAPK signaling pathway



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

Cell
cycle

Proliferation,
differentiation

MAPKKKK

MAPKKKK

MAPKK

MAPK

Transcription
factor

DNA

DNA

DNA

DNA

Proliferation,
inflammation
anti-apoptosis

MAPK signaling pathway
Baby

