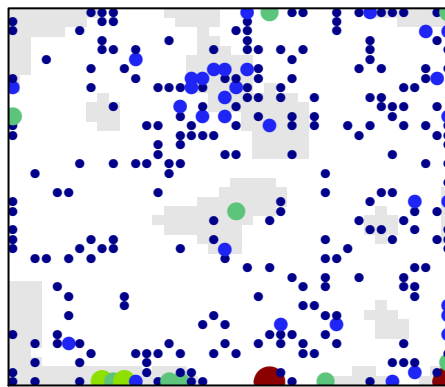
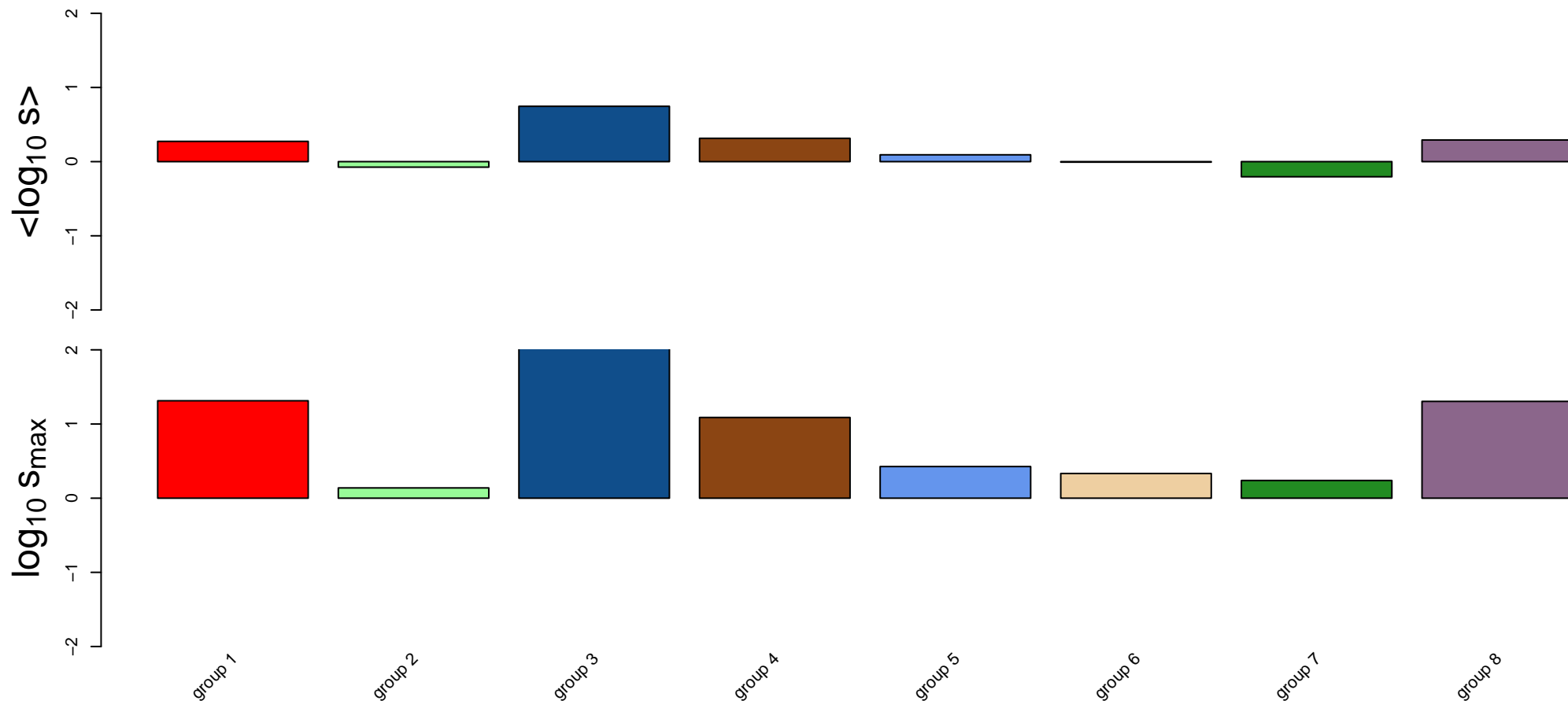
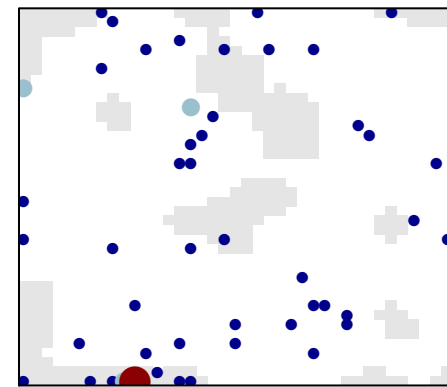


Chemokine signaling pathway

all genes



sink node genes



Chemokine_signaling_pathway
genes with data

Eosinophil
Neutrophil
Macrophage
T lymphocyte

Cytokine-cytokine receptor interaction

CCL26 → CXCR6

Receptor internalization

GRK7
ARRB1

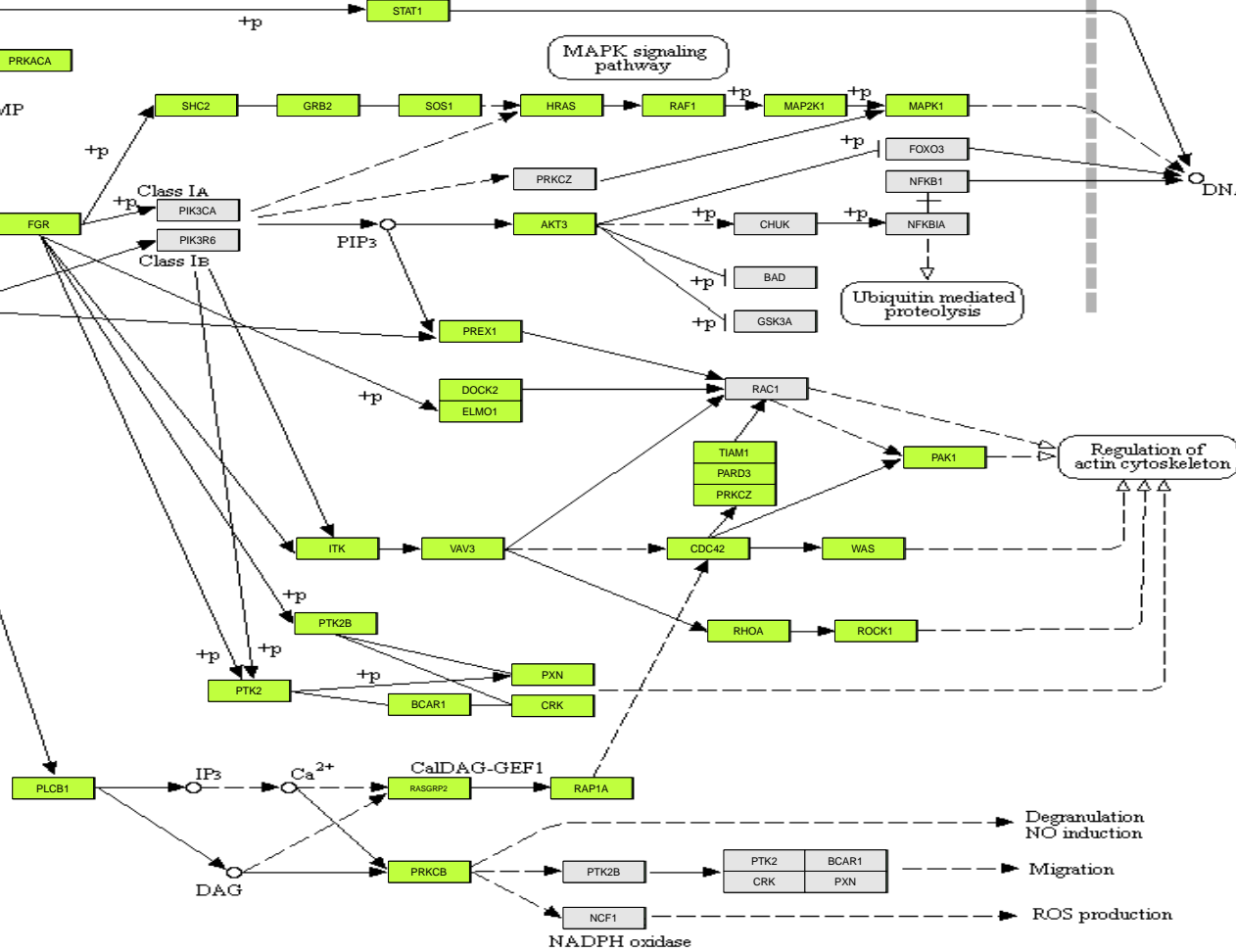
Jak-STAT signaling pathway

MAPK signaling pathway

Cytokine production
Cellular growth and differentiation
Cell survival
Migration
Apoptosis

Leukocyte transendothelial migration

Migration
Chemotaxis
Cellular shape changes
Metastasis
Degranulation
ROS production



Degranulation
NO induction

Migration

ROS production

NADPH oxidase

Chemokine_signaling_pathway
sink nodes

Eosinophil
Neutrophil
Macrophage
T lymphocyte

Cytokine-cytokine receptor interaction

CCL26 → CXCR6

Receptor internalization

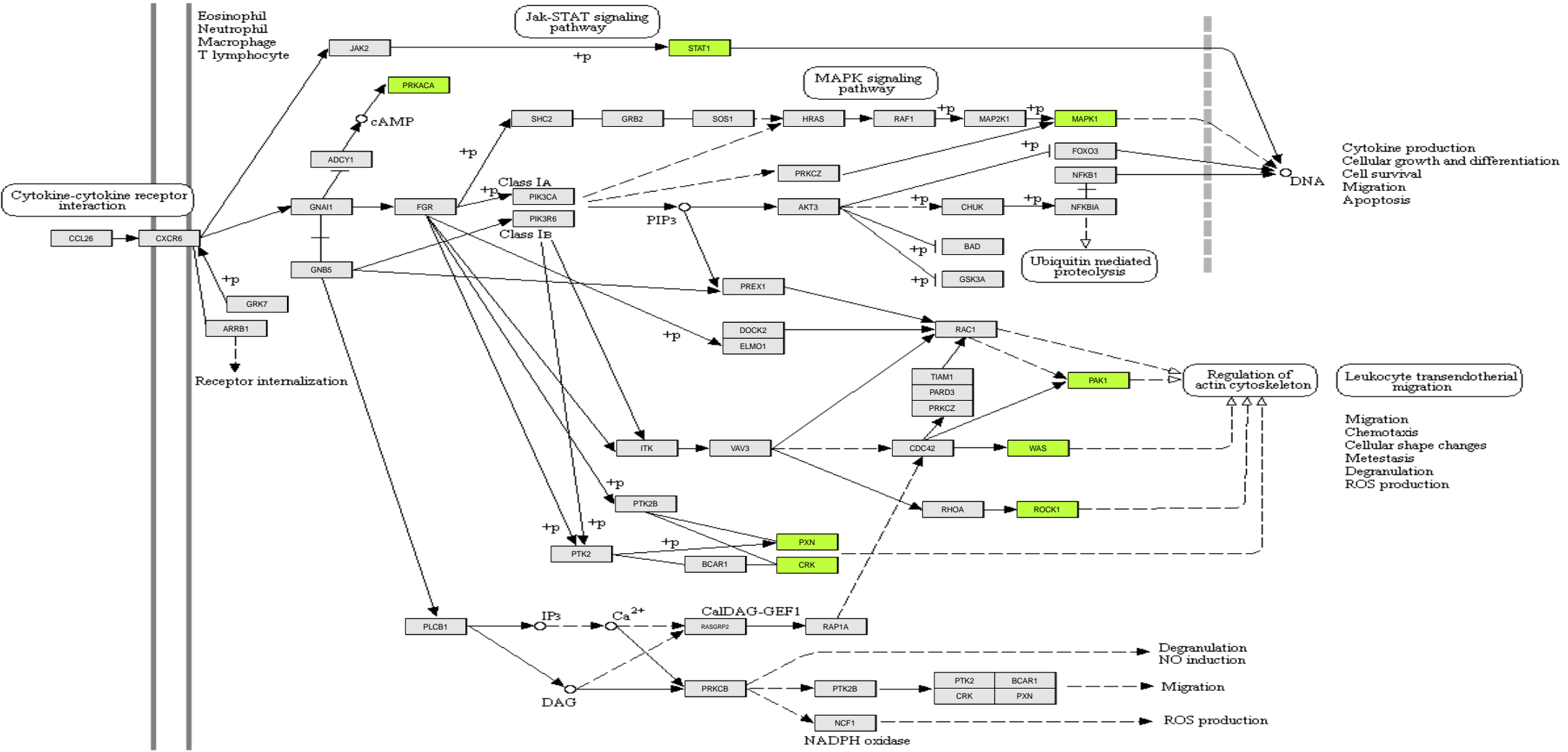
Jak-STAT signaling pathway

MAPK signaling pathway

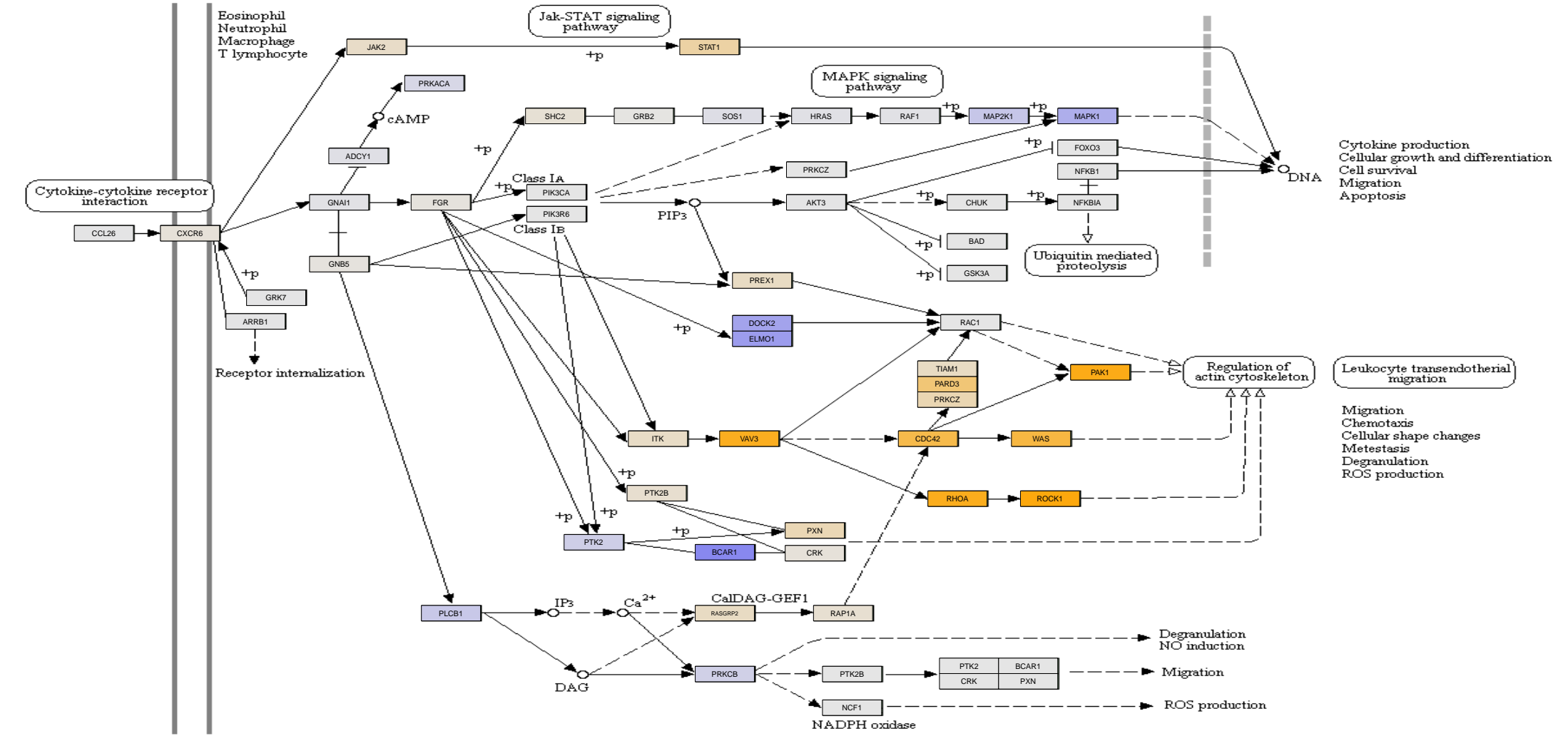
Cytokine production
Cellular growth and differentiation
Cell survival
Migration
Apoptosis

Leukocyte transendothelial migration

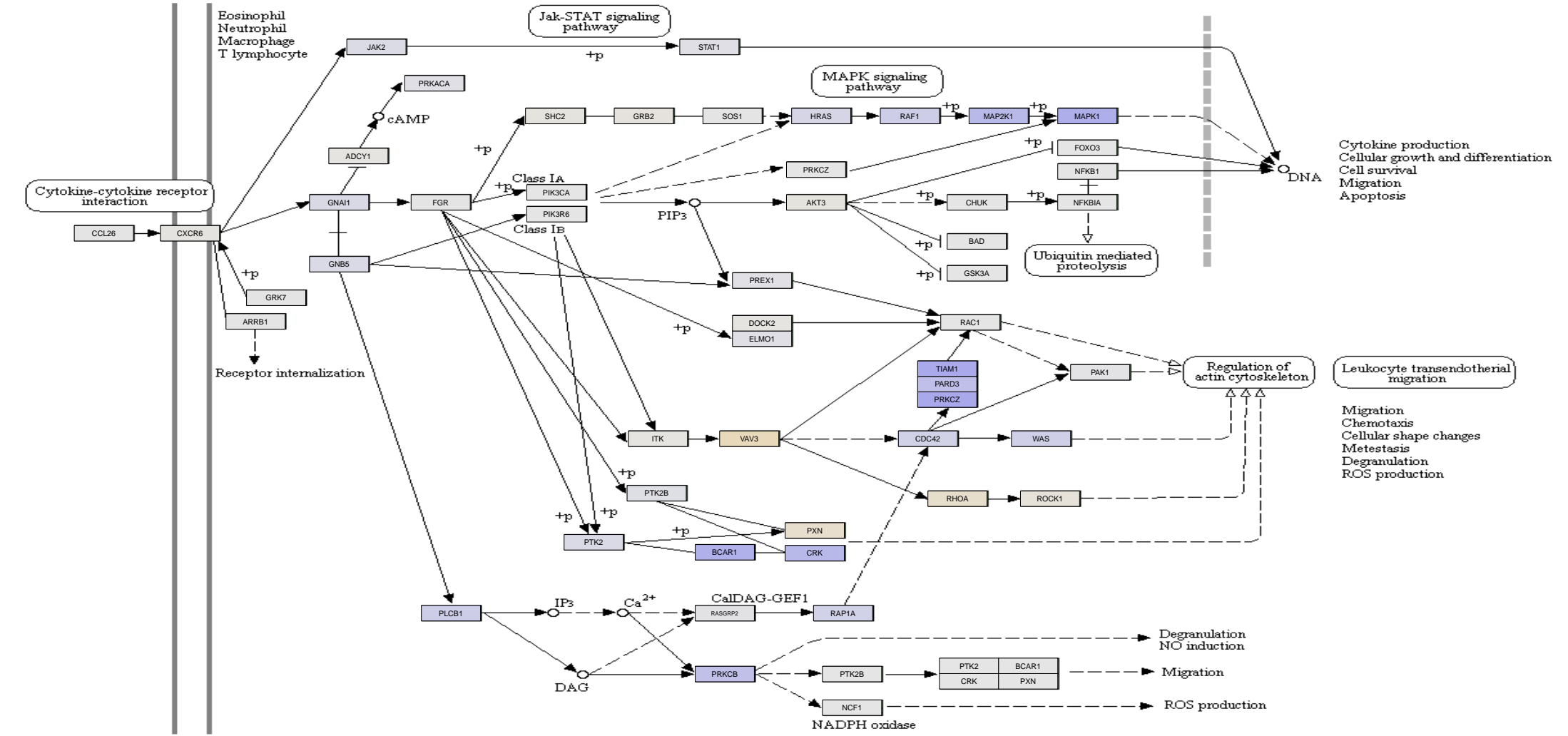
Migration
Chemotaxis
Cellular shape changes
Metastasis
Degranulation
ROS production



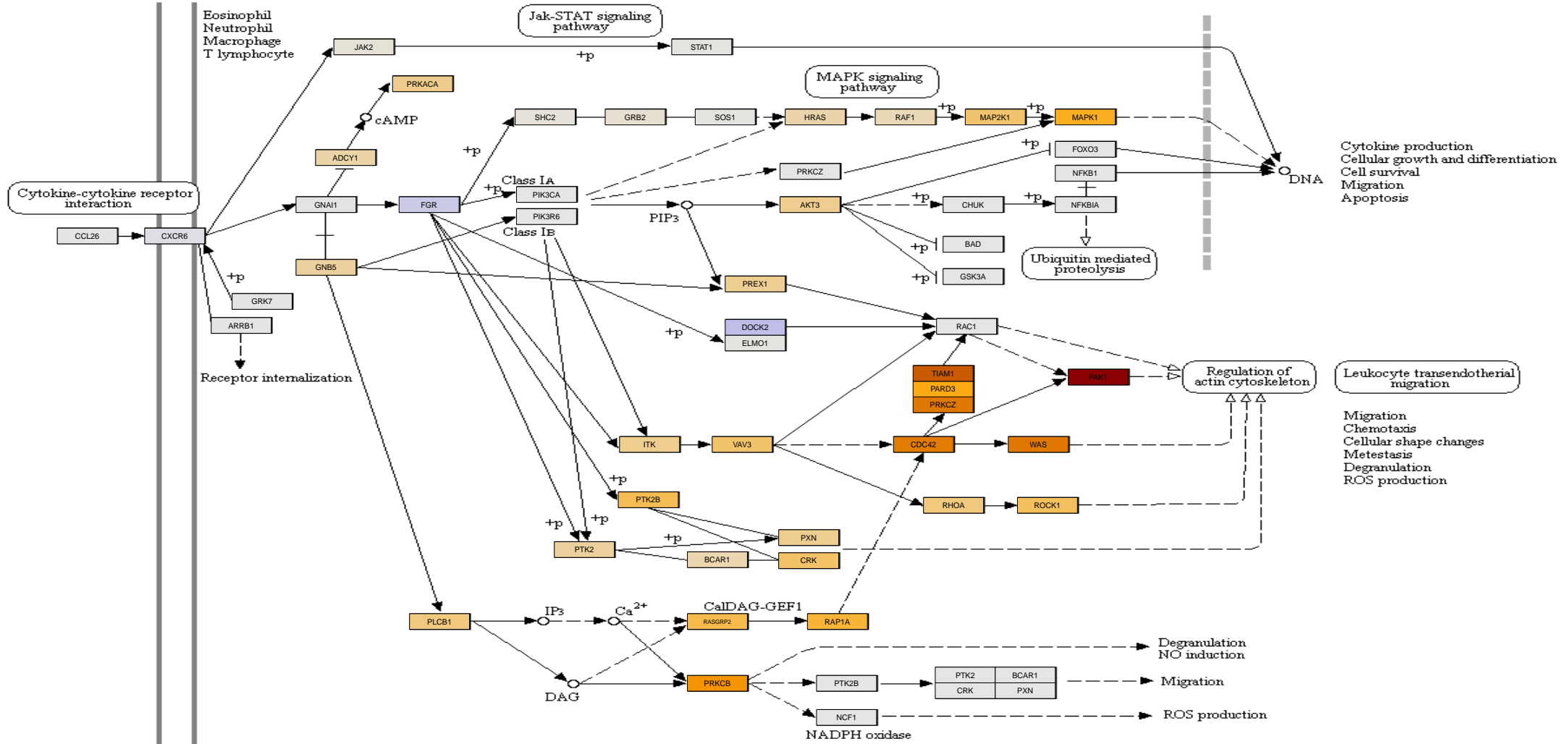
Chemokine_signaling_pathway group 1



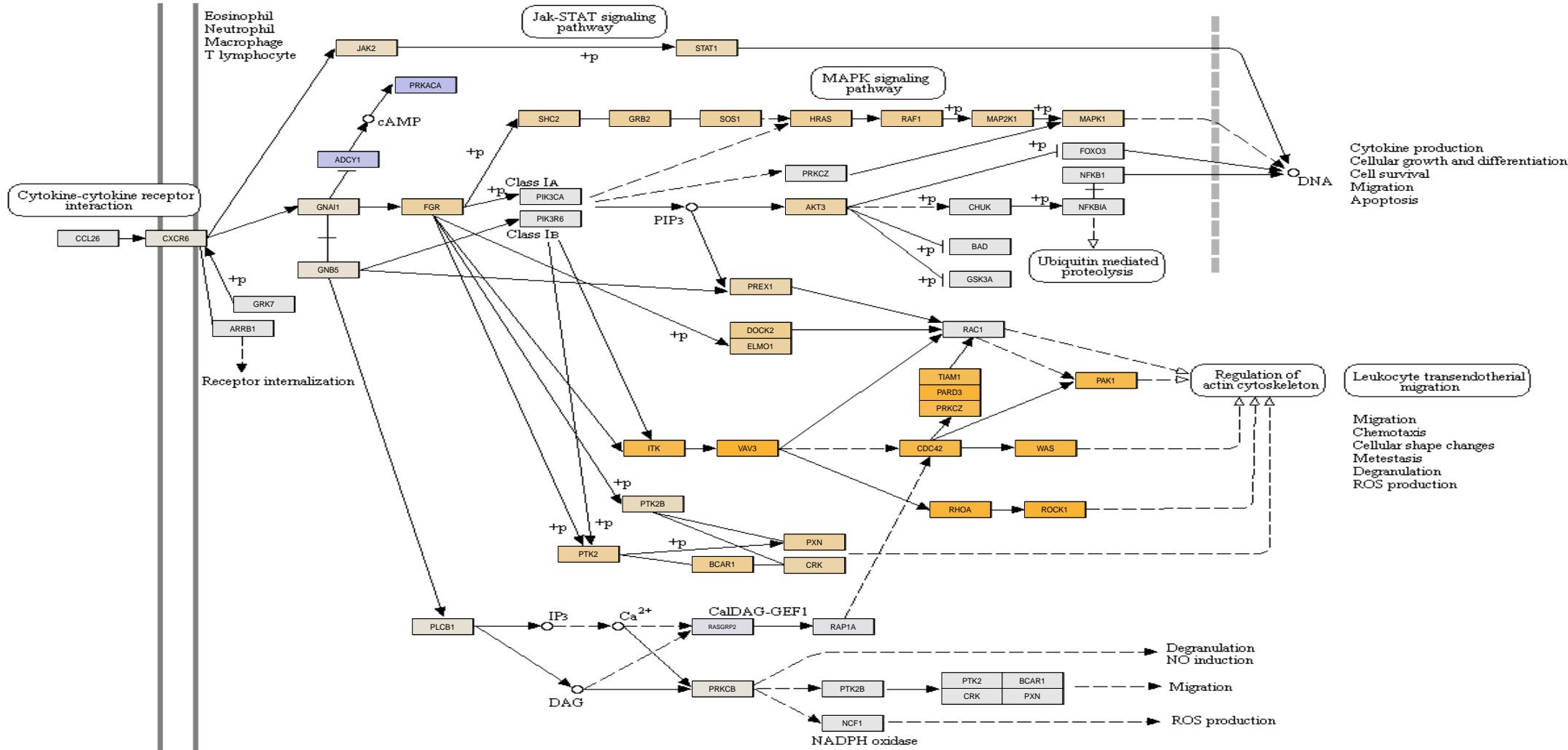
Chemokine_signaling_pathway_group 2



Chemokine_signaling_pathway_group 3



Chemokine_signaling_pathway group 4



Chemokine_signaling_pathway_group 5

Eosinophil
Neutrophil
Macrophage
T lymphocyte

Cytokine-cytokine receptor interaction

CCL26 → CXCR6

Receptor internalization

GRK7
ARRB1

Jak-STAT signaling pathway

JAK2 → STAT1 (+p)

MAPK signaling pathway

SHC2 → GRB2 → SOS1 → HRAS → RAF1 → MAP2K1 → MAPK1

Class IA
PIK3CA
Class IB
PIK3R6

PIP3

DOCK2
ELMO1

Ubiquitin mediated proteolysis

Regulation of actin cytoskeleton

Leukocyte transendothelial migration

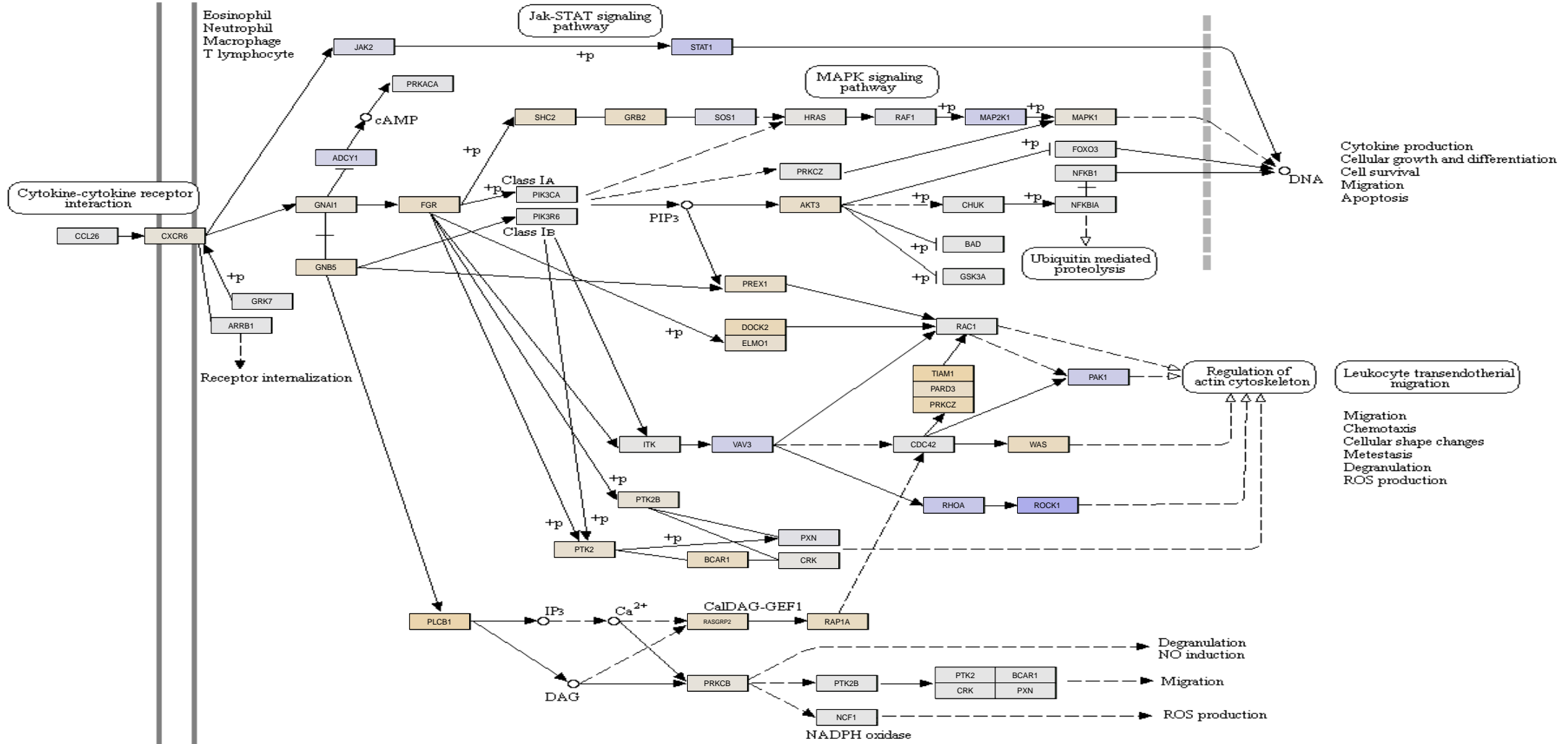
Migration
Chemotaxis
Cellular shape changes
Metastasis
Degranulation
ROS production

Cytokine production
Cellular growth and differentiation
Cell survival
Migration
Apoptosis

Degradation
NO induction
Migration
ROS production

NADPH oxidase

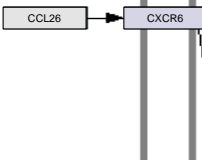
Chemokine_signaling_pathway_group 6



Chemokine_signaling_pathway group 7

Eosinophil
Neutrophil
Macrophage
T lymphocyte

Cytokine-cytokine receptor interaction

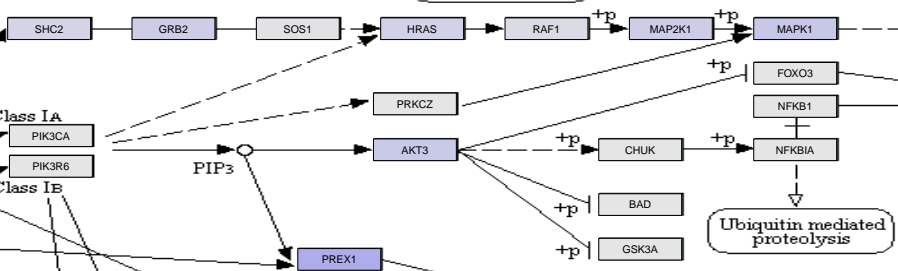


Receptor internalization

Jak-STAT signaling pathway



MAPK signaling pathway

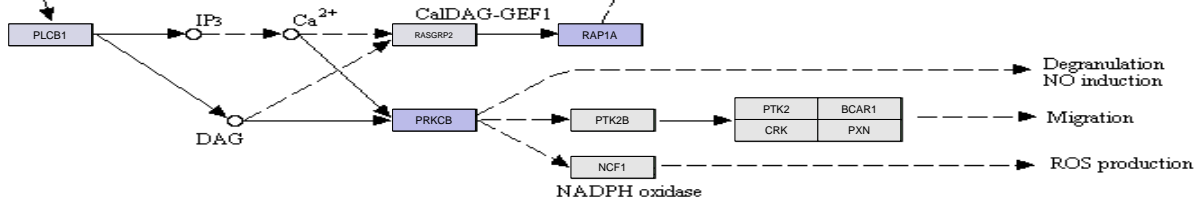


Cytokine production
Cellular growth and differentiation
Cell survival
Migration
Apoptosis

Regulation of actin cytoskeleton

Leukocyte transendothelial migration

Migration
Chemotaxis
Cellular shape changes
Metastasis
Degranulation
ROS production



Degranulation
NO induction
Migration
ROS production

Chemokine_signaling_pathway
group 8

