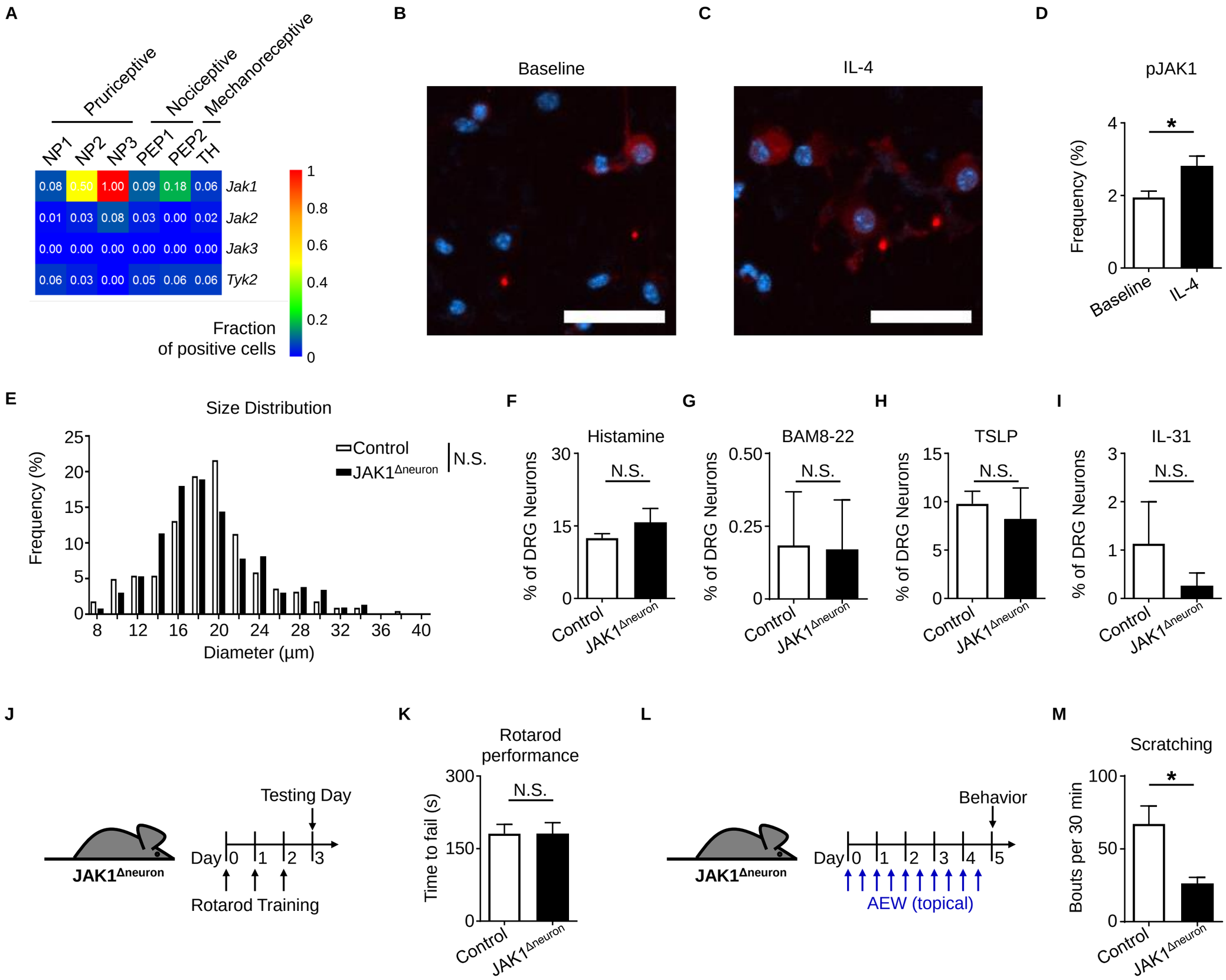
A
Pruriceptive
Nociceptive
Mechanoreceptive
NP1 NP2 NP3 PEP1 PEP2 TH
0.08 0.50 1.00 0.09 0.18 0.06 Jak1
0.01 0.03 0.08 0.03 0.00 0.02 Jak2
0.00 0.00 0.00 0.00 0.00 0.00 Jak3
0.06 0.03 0.00 0.05 0.06 0.06 Tyk2
Fraction of positive cells
B
Baseline
C
IL-4
D
pJAK1
Frequency (%)
Baseline
IL-4
E
Size Distribution
Frequency (%)
Control
JAK1Δneuron
N.S.
Diameter (µm)
F
Histamine
% of DRG Neurons
N.S.
Control
JAK1Δneuron
G
BAM8-22
H
TSLP
I
IL-31
J
JAK1Δneuron
Testing Day
Day 0 1 2 3
Rotarod Training
K
Rotarod performance
Time to fail (s)
L
Behavior
Day 0 1 2 3 4 5
AEW (topical)
M
Scratching
Bouts per 30 min