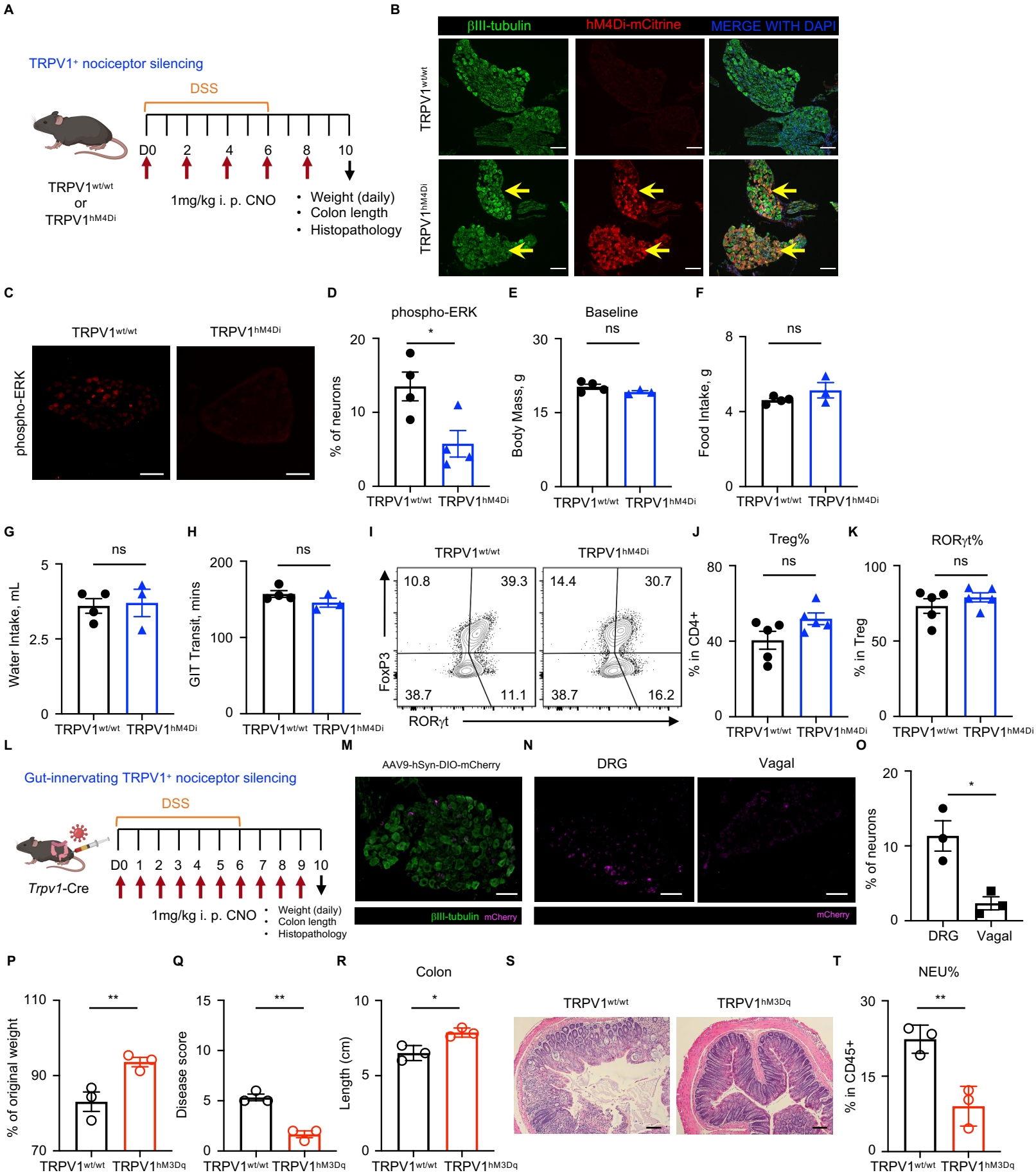
Figure S1


A
TRPV1+ nociceptor silencing
DSS
D0 2 4 6 8 10
TRPV1wt/wt or TRPV1hM4Di
1mg/kg i. p. CNO
Weight (daily)
Colon length
Histopathology
B
βIII-tubulin
hM4Di-mCitrine
MERGE WITH DAPI
TRPV1wt/wt
TRPV1hM4Di
C
TRPV1wt/wt
TRPV1hM4Di
phospho-ERK
D
phospho-ERK
% of neurons
E
Baseline
Body Mass, g
F
Food Intake, g
G
Water Intake, mL
H
GIT Transit, mins
I
FoxP3
RORγt
10.8
39.3
38.7
11.1
14.4
30.7
38.7
16.2
J
Treg%
% in CD4+
K
RORγt%
% in Treg
L
Gut-innervating TRPV1+ nociceptor silencing
DSS
D0 1 2 3 4 5 6 7 8 9 10
Trpv1-Cre
1mg/kg i. p. CNO
Weight (daily)
Colon length
Histopathology
M
AAV9-hSyn-DIO-mCherry
βIII-tubulin mCherry
N
DRG
Vagal
mCherry
O
% of neurons
DRG
Vagal
P
% of original weight
Q
Disease score
R
Colon
Length (cm)
S
TRPV1hM3Dq
T
NEU%
% in CD45+