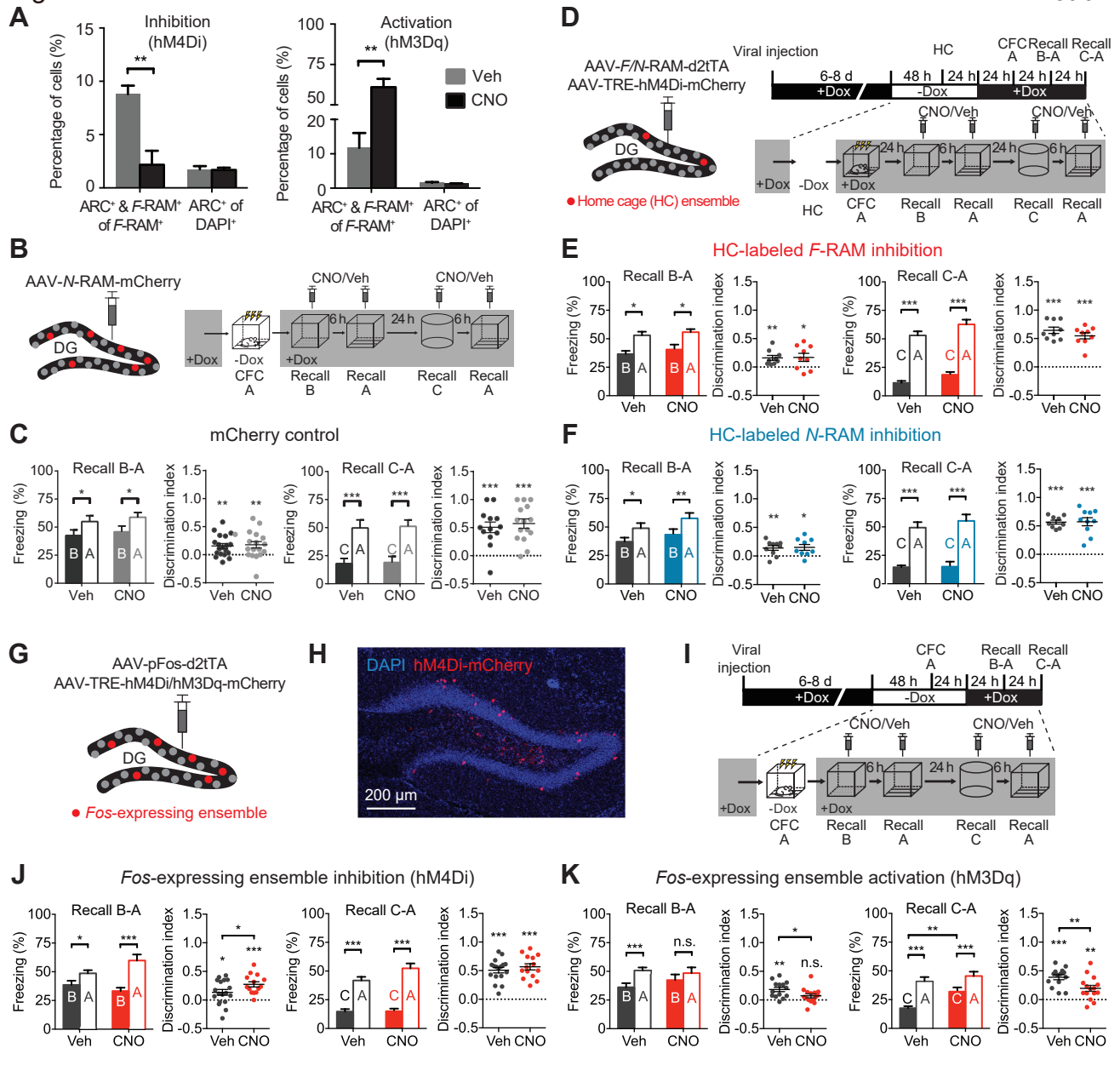
A
Inhibition (hM4Di)
Activation (hM3Dq)
Percentage of cells (%)
Veh
CNO
ARC+ & F-RAM+ of F-RAM+
ARC+ of DAPI+
B
AAV-N-RAM-mCherry
DG
+Dox
-Dox
CFC A
CNO/Veh
Recall B
Recall A
Recall C
6 h
24 h
C
mCherry control
Recall B-A
Recall C-A
Freezing (%)
Discrimination index
Veh
CNO
D
AAV-F/N-RAM-d2tTA
AAV-TRE-hM4Di-mCherry
Viral injection
HC
CFC A
Recall B-A
Recall C-A
6-8 d
48 h
24 h
Home cage (HC) ensemble
E
HC-labeled F-RAM inhibition
F
HC-labeled N-RAM inhibition
G
AAV-pFos-d2tTA
AAV-TRE-hM4Di/hM3Dq-mCherry
Fos-expressing ensemble
H
DAPI hM4Di-mCherry
200 μm
I
J
Fos-expressing ensemble inhibition (hM4Di)
K
Fos-expressing ensemble activation (hM3Dq)
n.s.