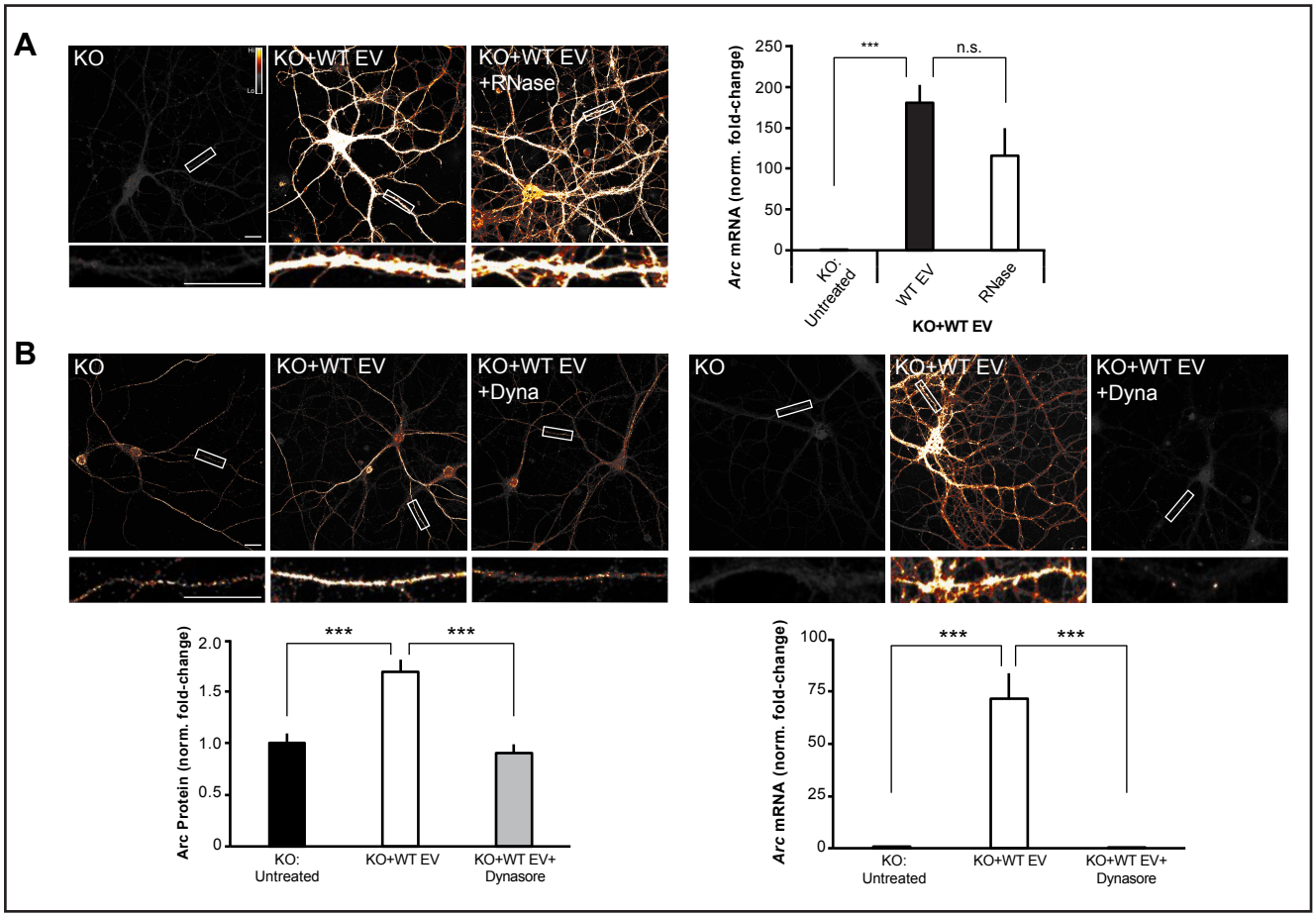
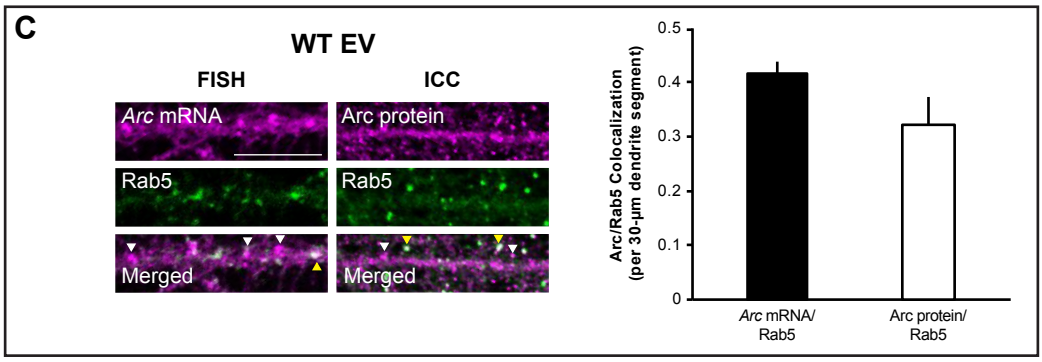
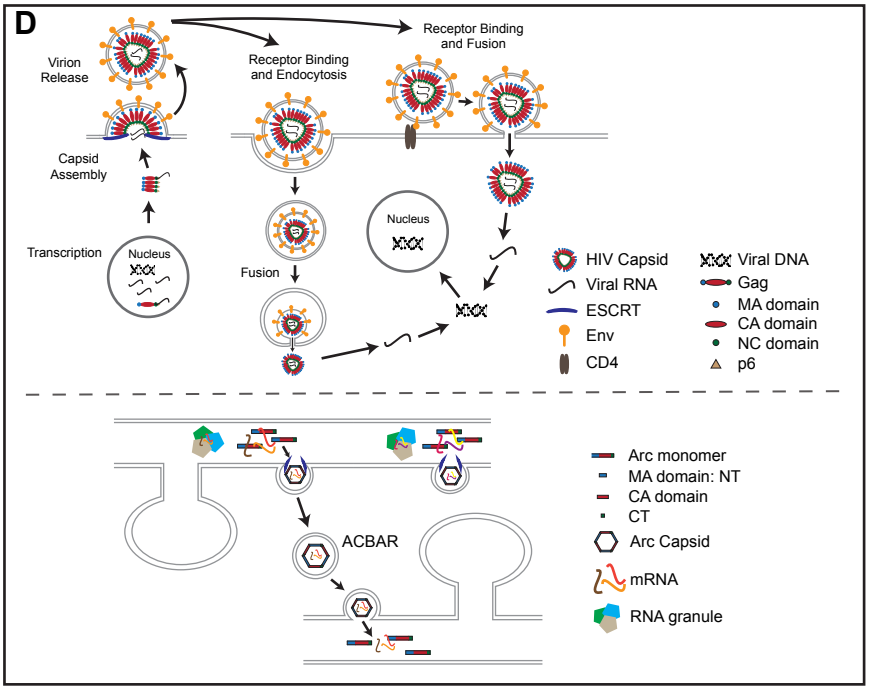
Figure S7


A
KO
KO+WT EV
KO+WT EV +RNase
Arc mRNA (norm. fold-change)
250
200
150
100
50
0
***
n.s.
KO: Untreated
WT EV
RNase
KO+WT EV
B
KO
KO+WT EV
KO+WT EV +Dyna
Arc Protein (norm. fold-change)
2.0
1.5
1.0
0.5
0
***
***
KO: Untreated
KO+WT EV
KO+WT EV+ Dynasore
Arc mRNA (norm. fold-change)
100
75
50
25
0
***
***


C
WT EV
FISH
ICC
Arc mRNA
Arc protein
Rab5
Rab5
Merged
Merged
Arc/Rab5 Colocalization (per 30-µm dendrite segment)
0.5
0.4
0.3
0.2
0.1
0
Arc mRNA/ Rab5
Arc protein/ Rab5


D
Virion Release
Receptor Binding and Endocytosis
Receptor Binding and Fusion
Capsid Assembly
Transcription
Nucleus
Fusion
Nucleus
HIV Capsid
Viral RNA
ESCRT
Env
CD4
Viral DNA
Gag
MA domain
CA domain
NC domain
p6
ACBAR
Arc monomer
MA domain: NT
CA domain
CT
Arc Capsid
mRNA
RNA granule