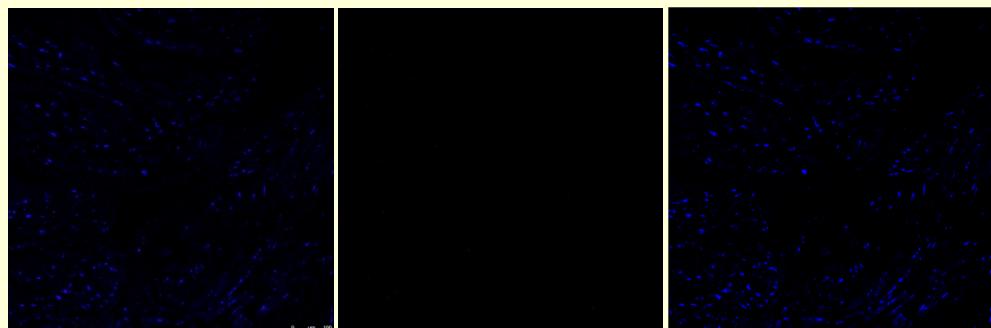


A

Nuclei

Kv2.1

Merge

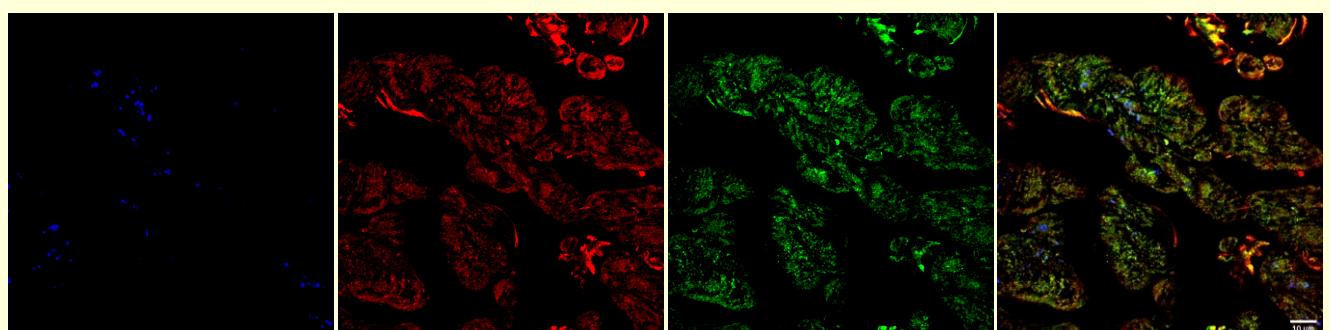
**B**

Nuclei

Kv7.1

JPH4

Merge

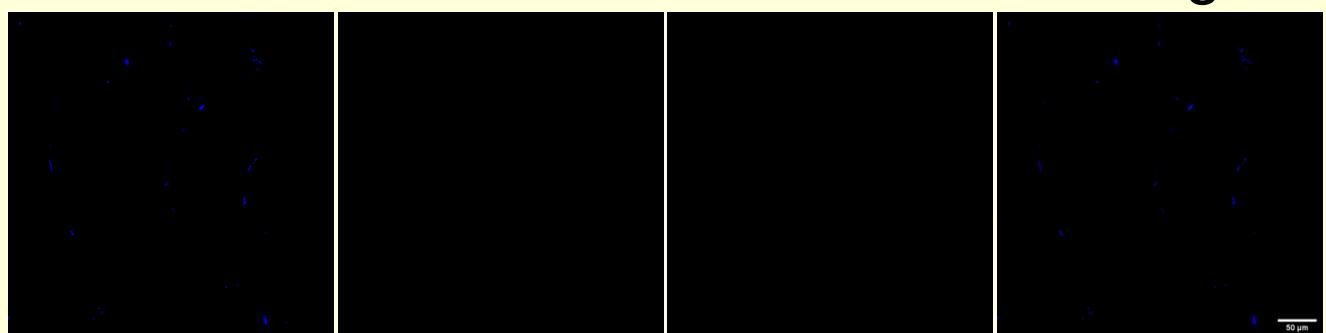
**C**

Nuclei

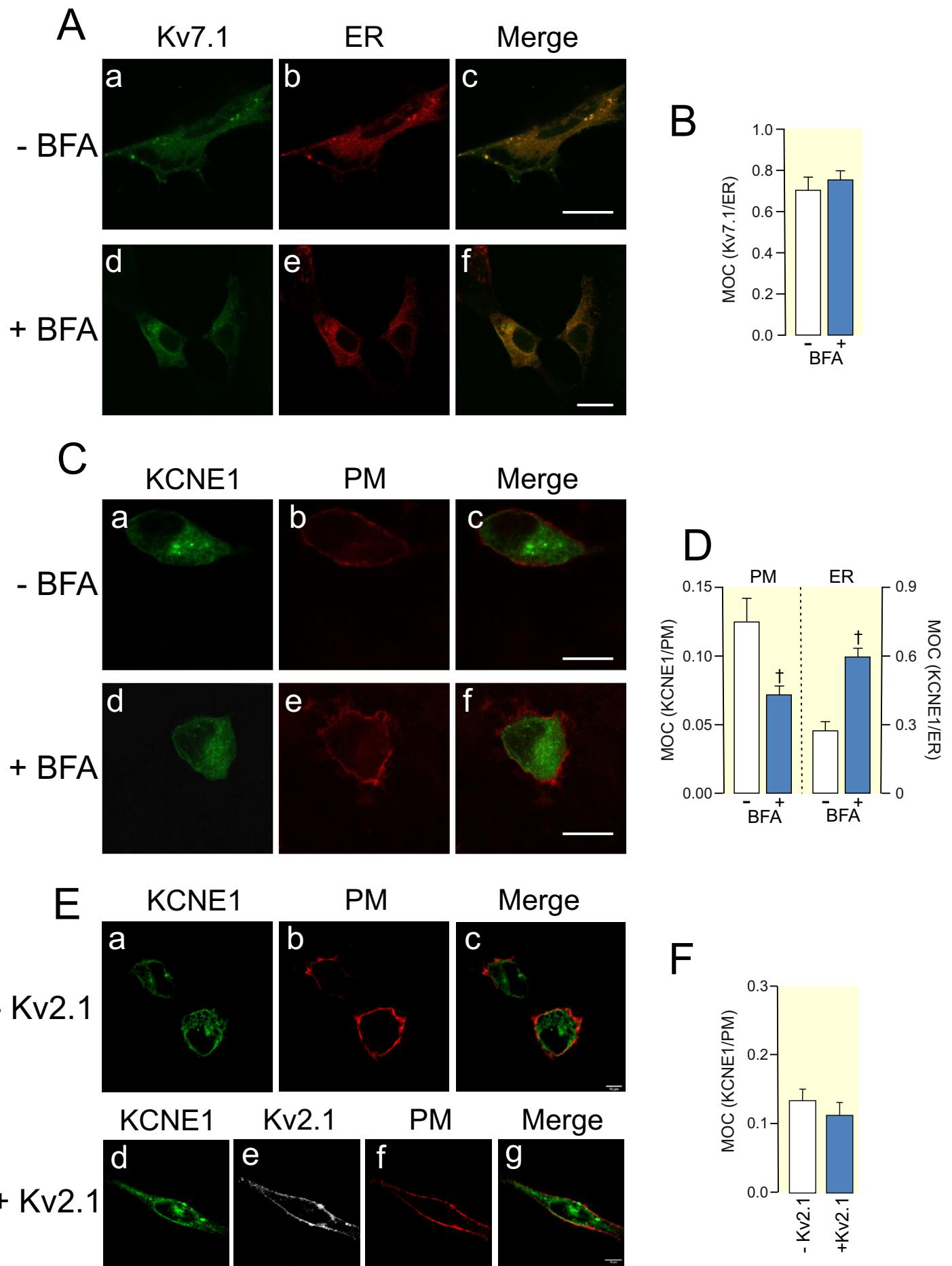
Kv7.1

JPH4

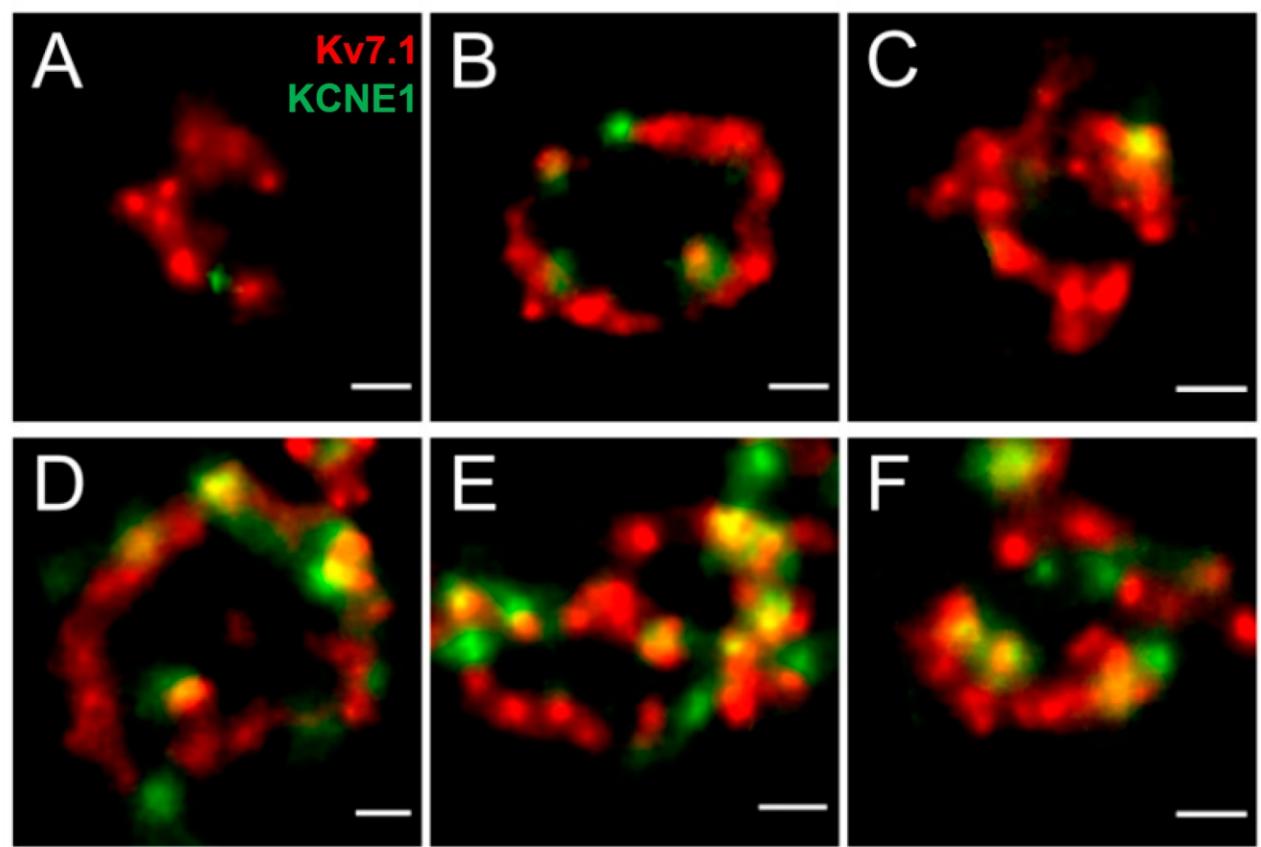
Merge



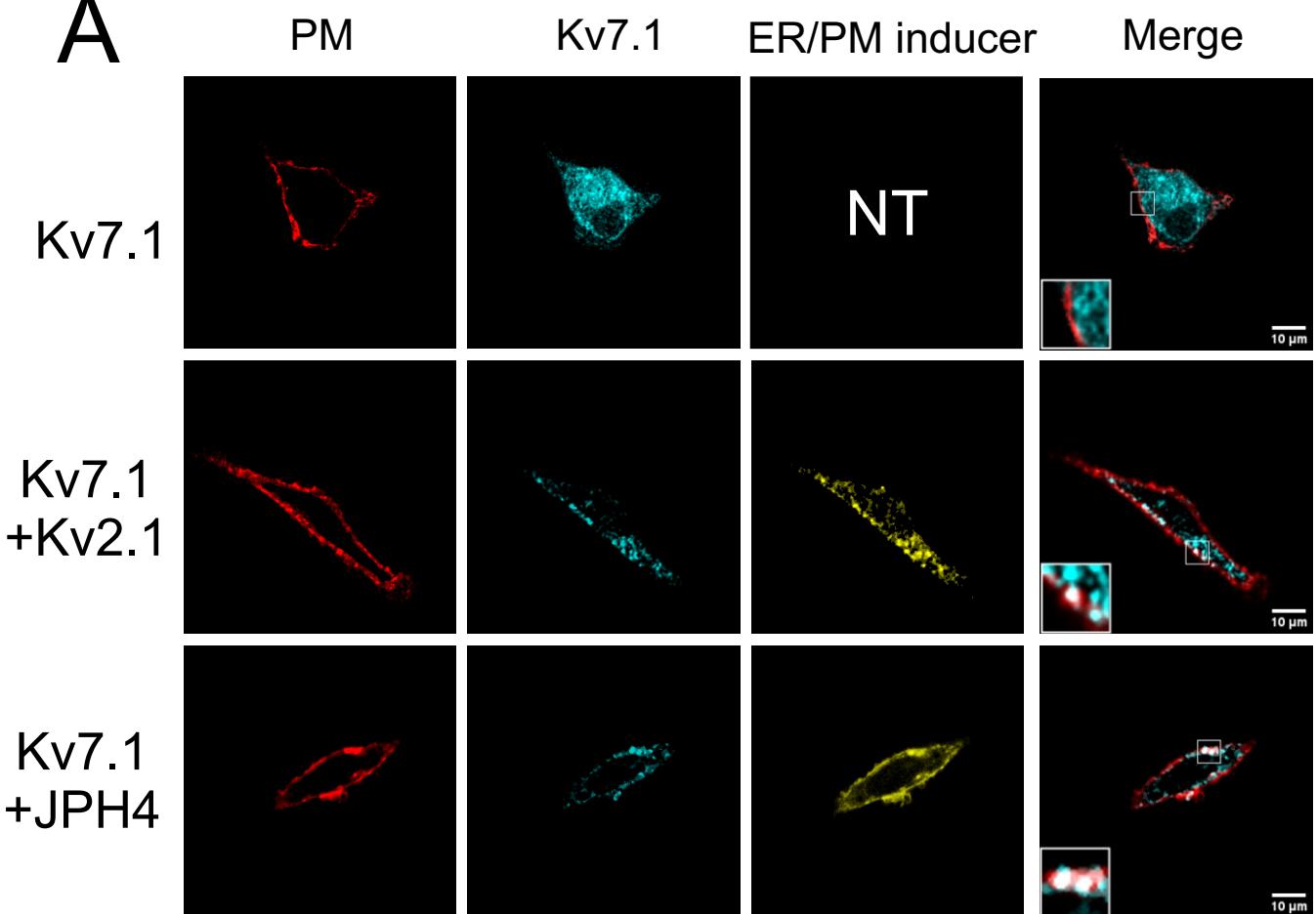
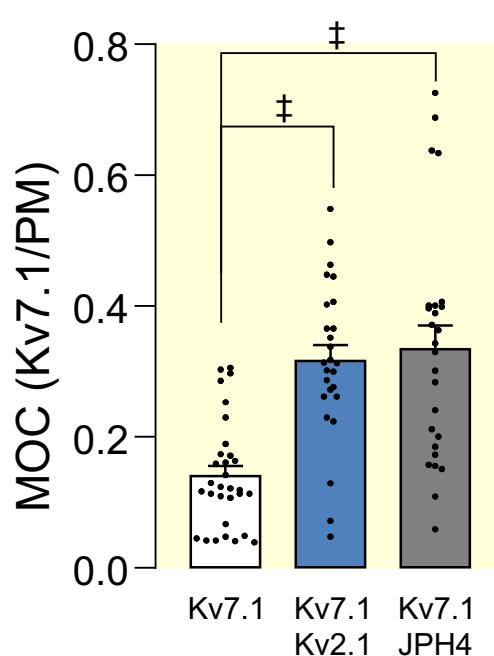
Supplemental Fig. 1



Supplemental Figure 2

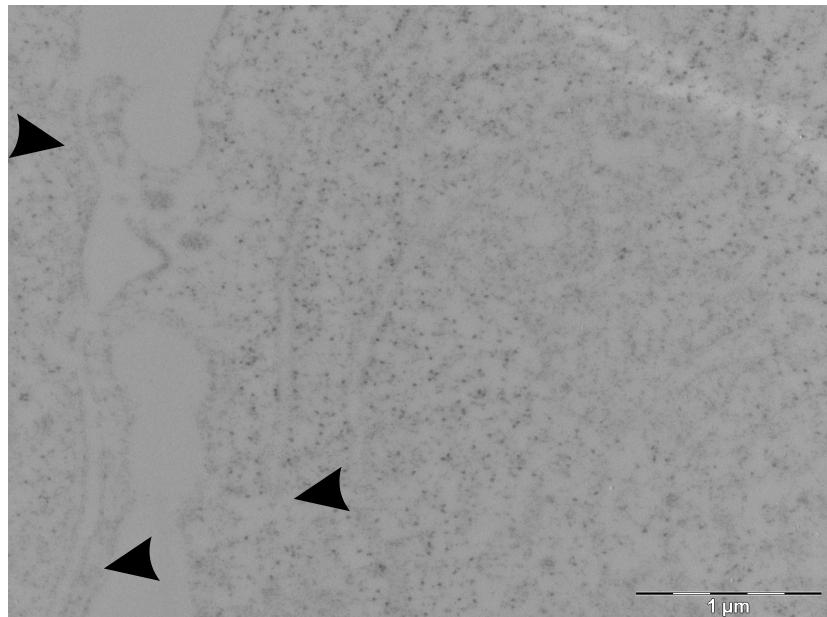


Supplemental Figure 3

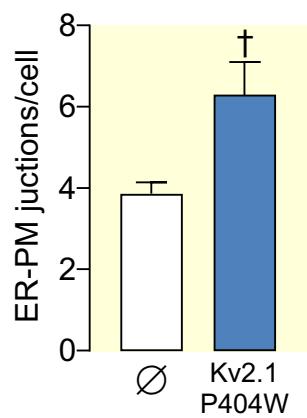
A**B**

Supplemental Figure 4

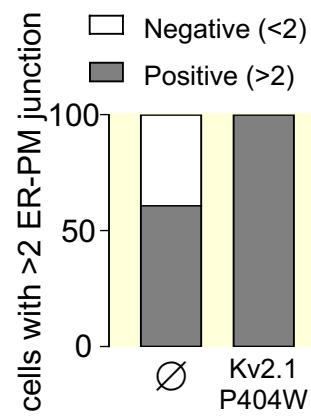
A Kv2.1 P404W



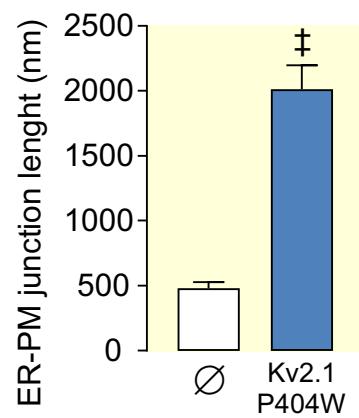
B



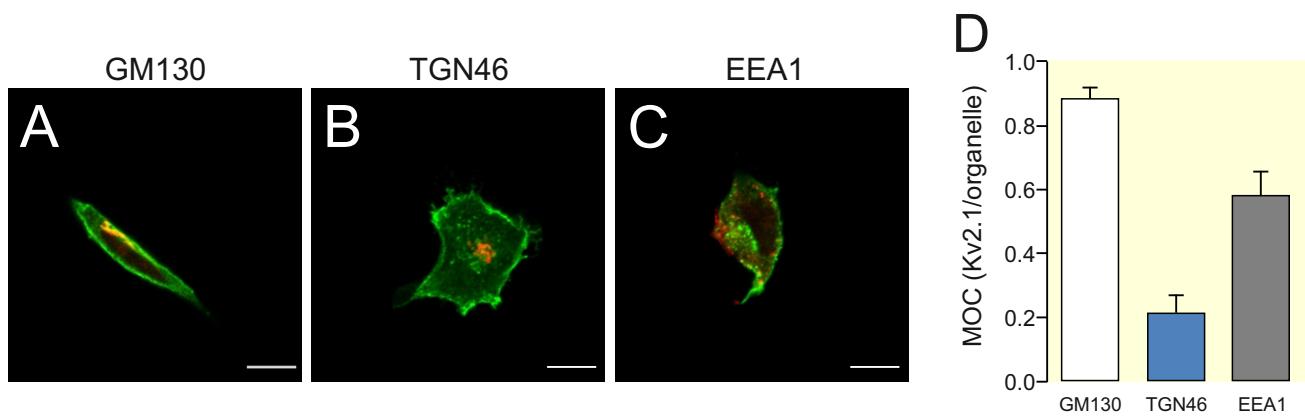
C



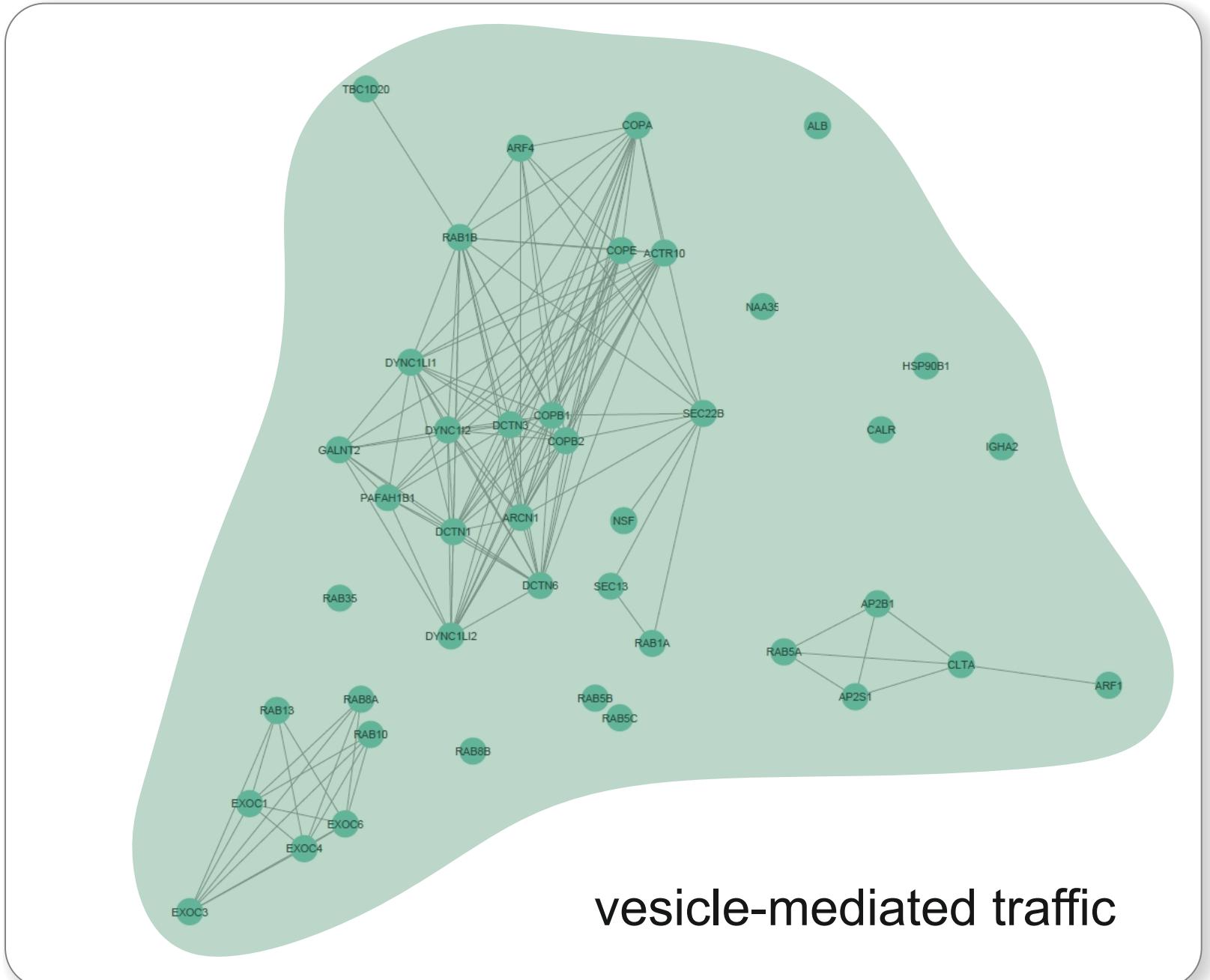
D



Supplemental Figure 5

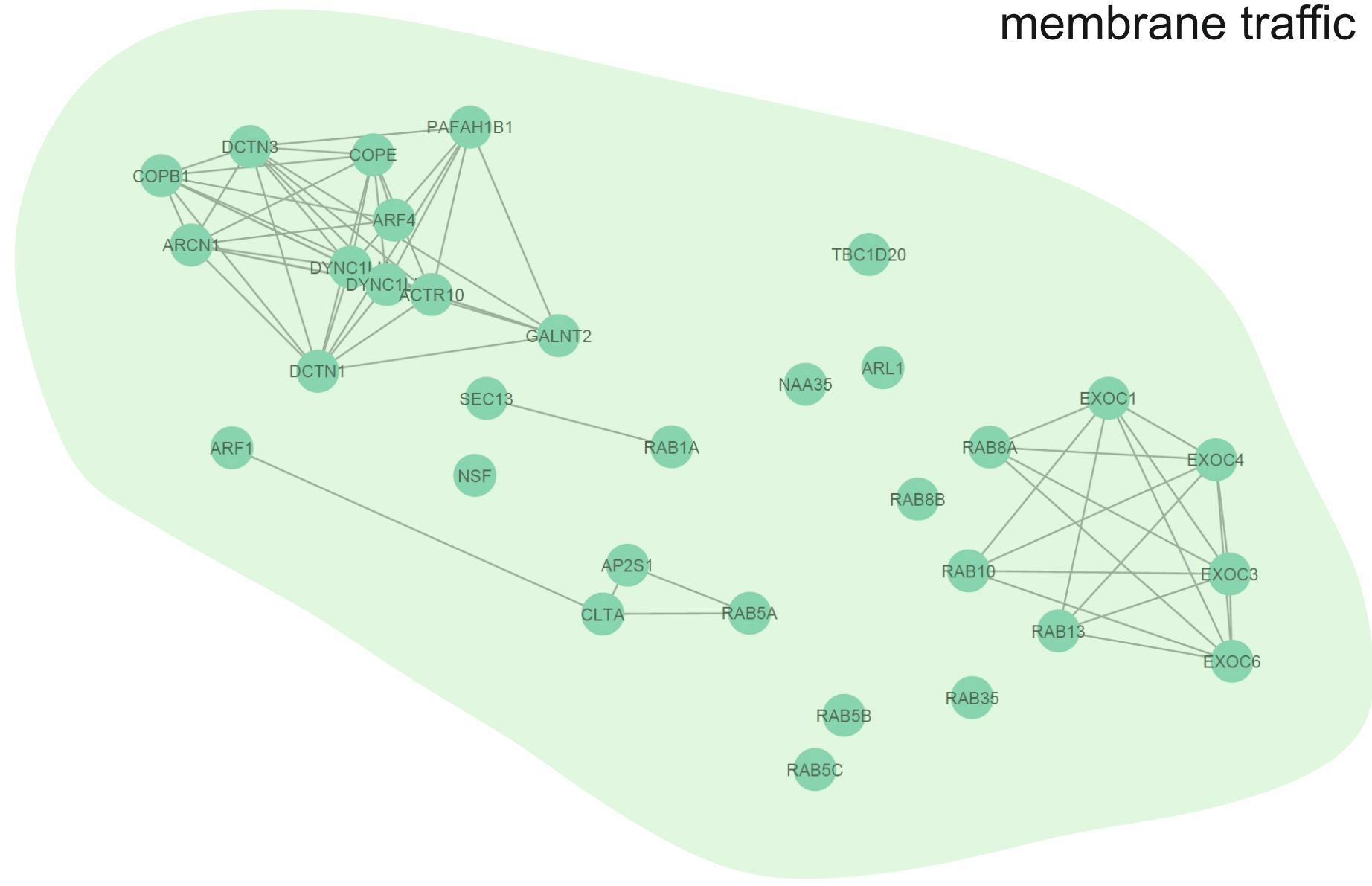


Supplemental Figure 6



Supplemental Figure 7

membrane traffic



Supplemental Figure 8