

Group Meeting March 17th, 2025

Last week:

Decided to hold off on the StrepII tag pulldown stuff until I get the TwinStrpII and N-term tagged versions.

Prepared VML liposomes without contents for Bill's phosphatase studies

- VML naked

- VML with Qc-tm (1:2000)

- VML with Δ NQc-tm (1:2000)

Read stuff and thought about our research! What? Really? Amazing.

On the docket:

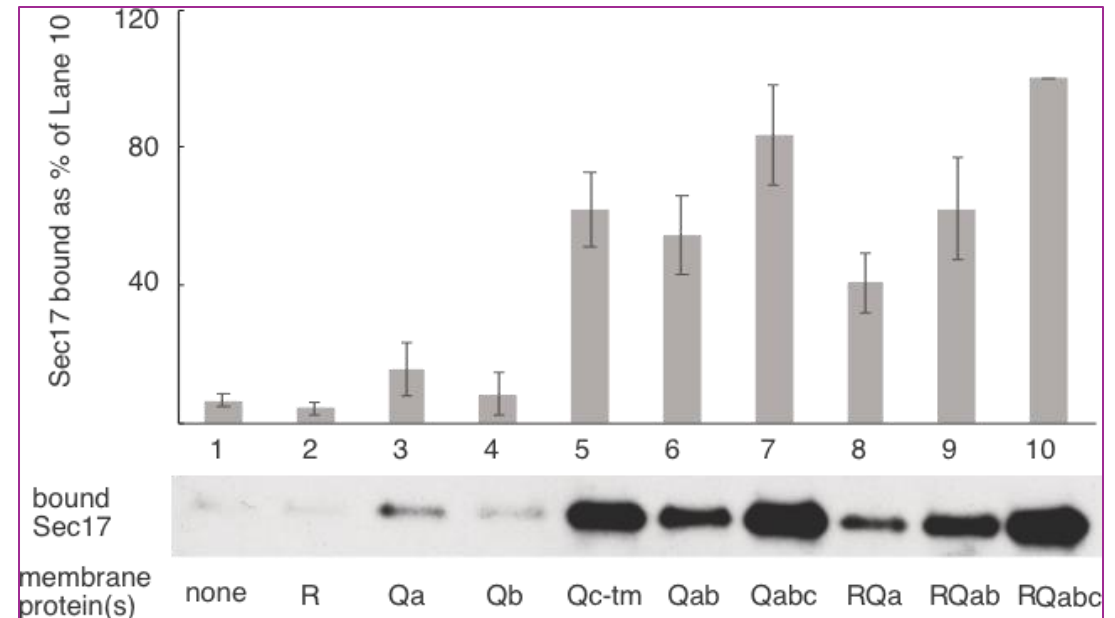
Floation assays

1. Look to see if Sec18 binds to Ypt7-tm: PC vs VML/ naked vs Ypt7-tm / MgATP vs MgATPyS
2. See if Sec17 co-floats equally with *soluble* SNAREs, especially Qc. Our data showing that Sec17 binds preferentially to Qc might also happen if Qc is the only SNARE that creates homogeneous Qc complexes, giving Sec17 as much to bind to as a 4SNARE complex. Unlikely, but let's rule that out.

Anti-vam3 pulldown:

As per Lopes et al Figure 7: is Qc required for ATP to release Sec17 from the complex?

Try +/- Qc



4SNARE trans-complex pulldowns:

Waiting for new vectors to arrive with the Twin-stepII tags or the N-terminal strpII tag.