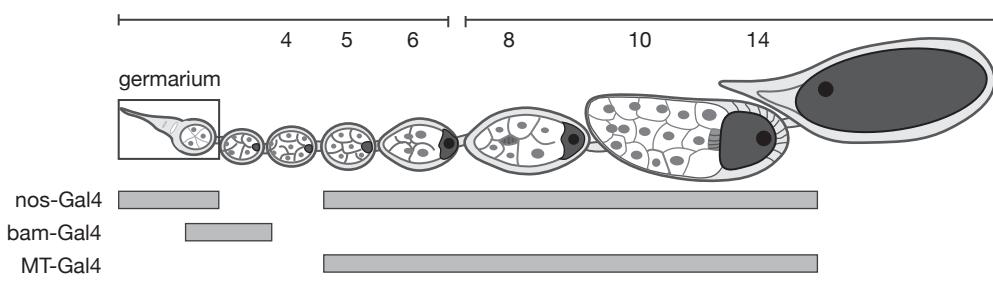
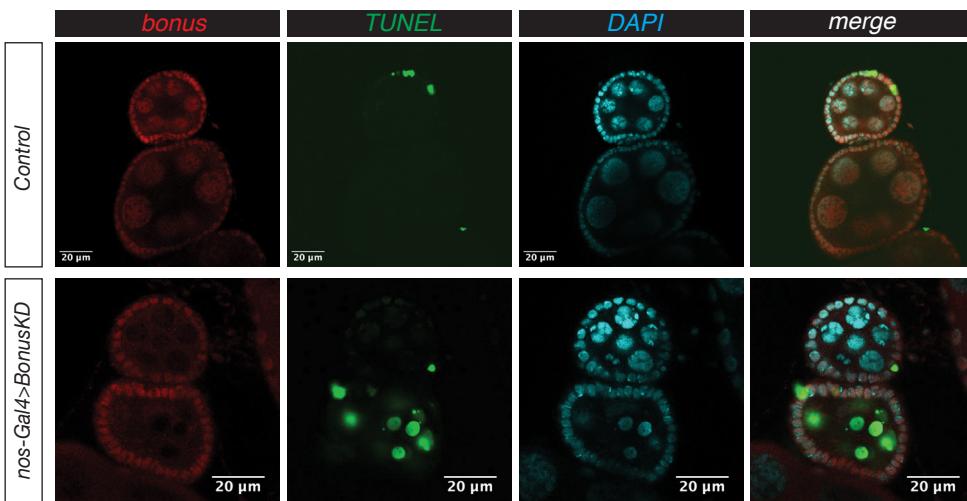


## Extended Data Fig.1

**A**



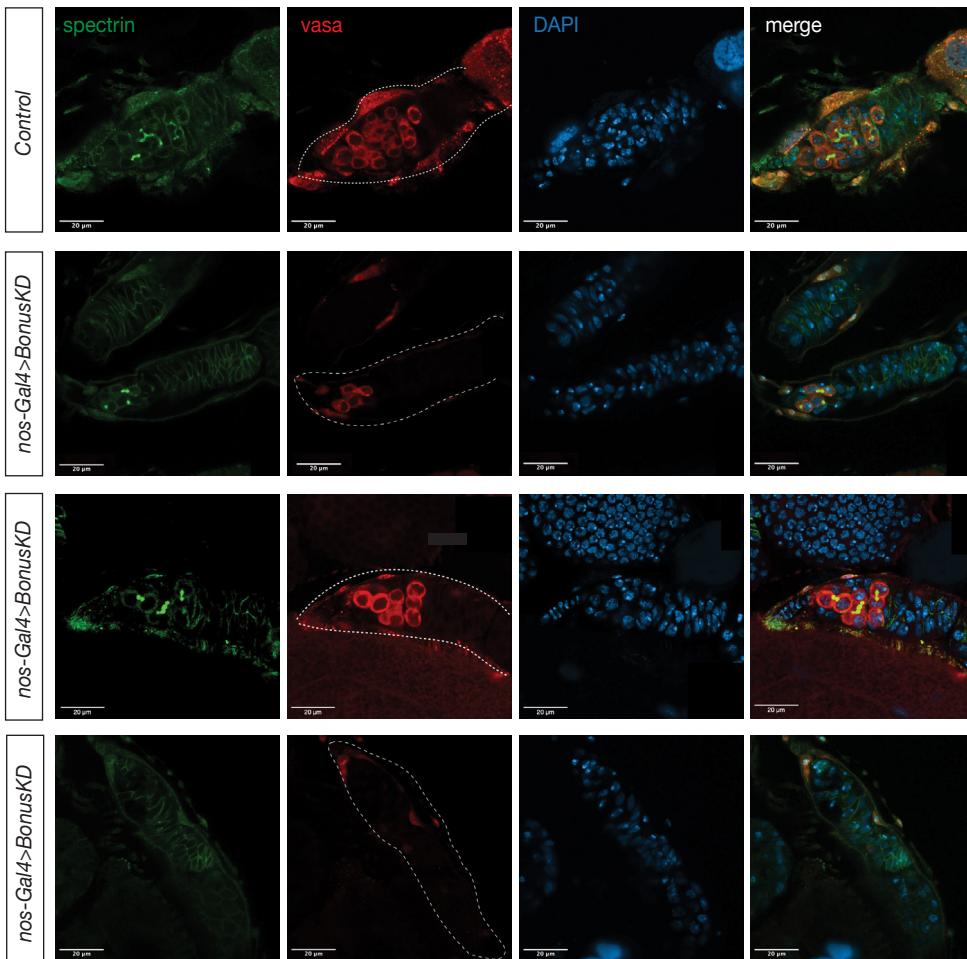
**B**



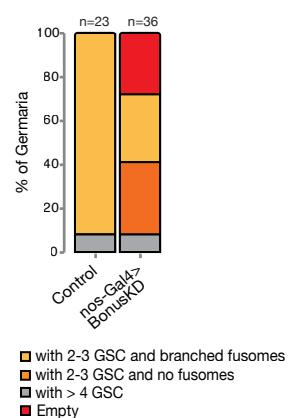
**C**

Phenotype	Count
Normal	8 (12%)
Hypomorphic	16 (23%)
Rudimentary	44 (65%)

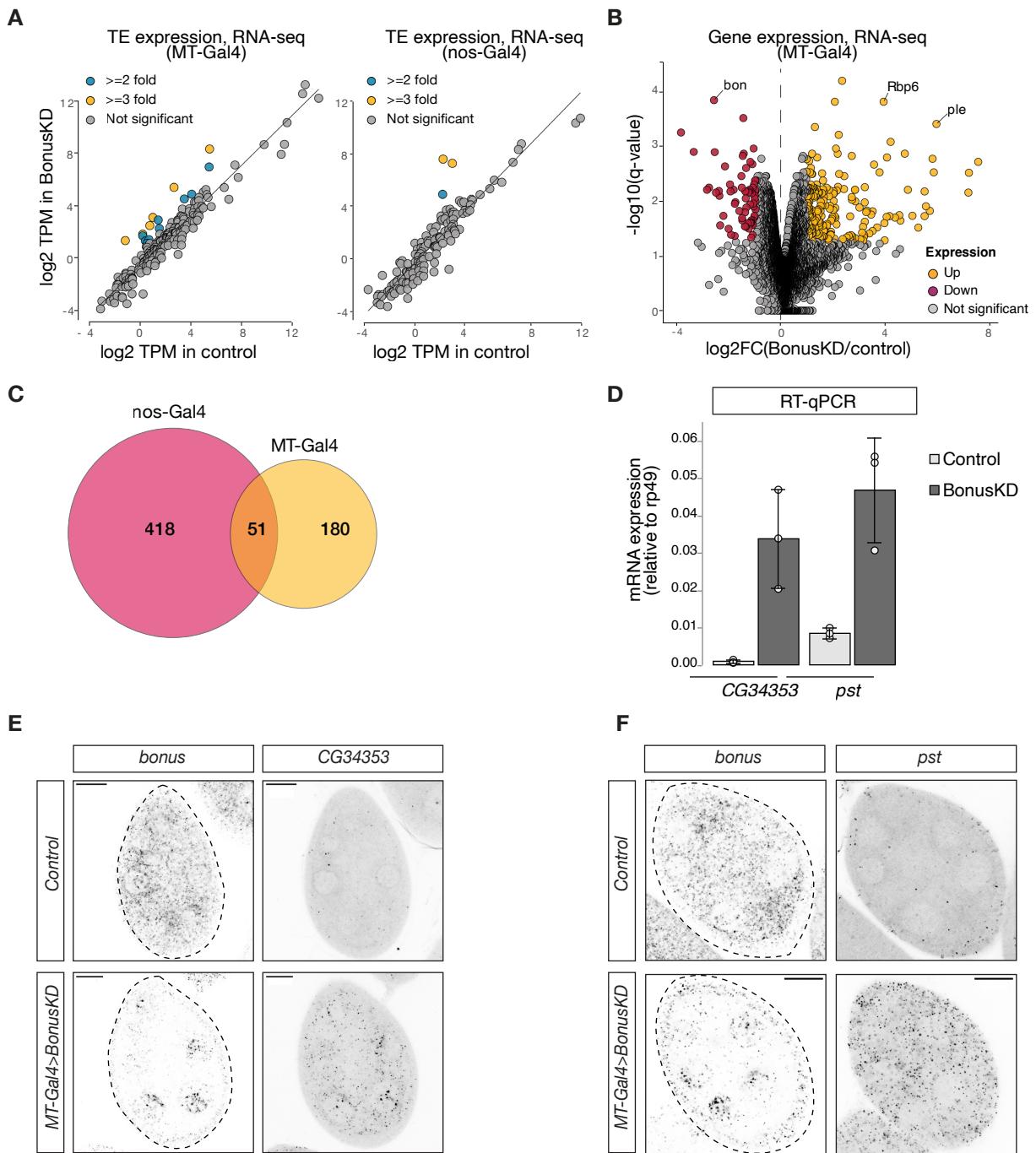
**D**



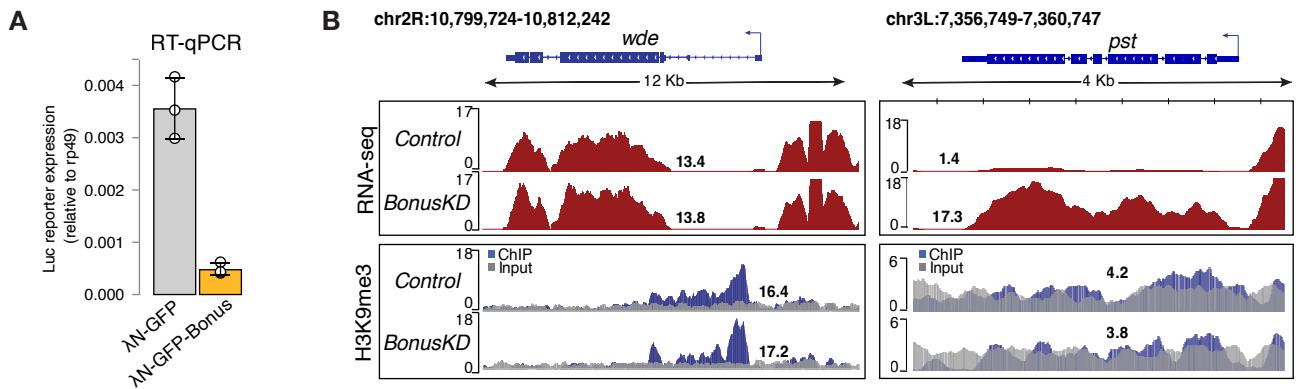
**E**



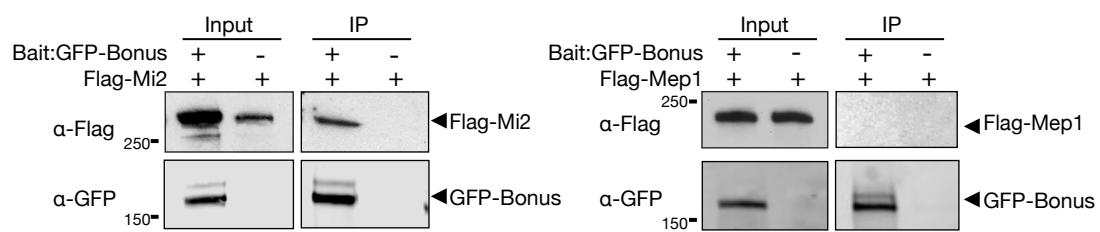
## Extended Data Fig.2



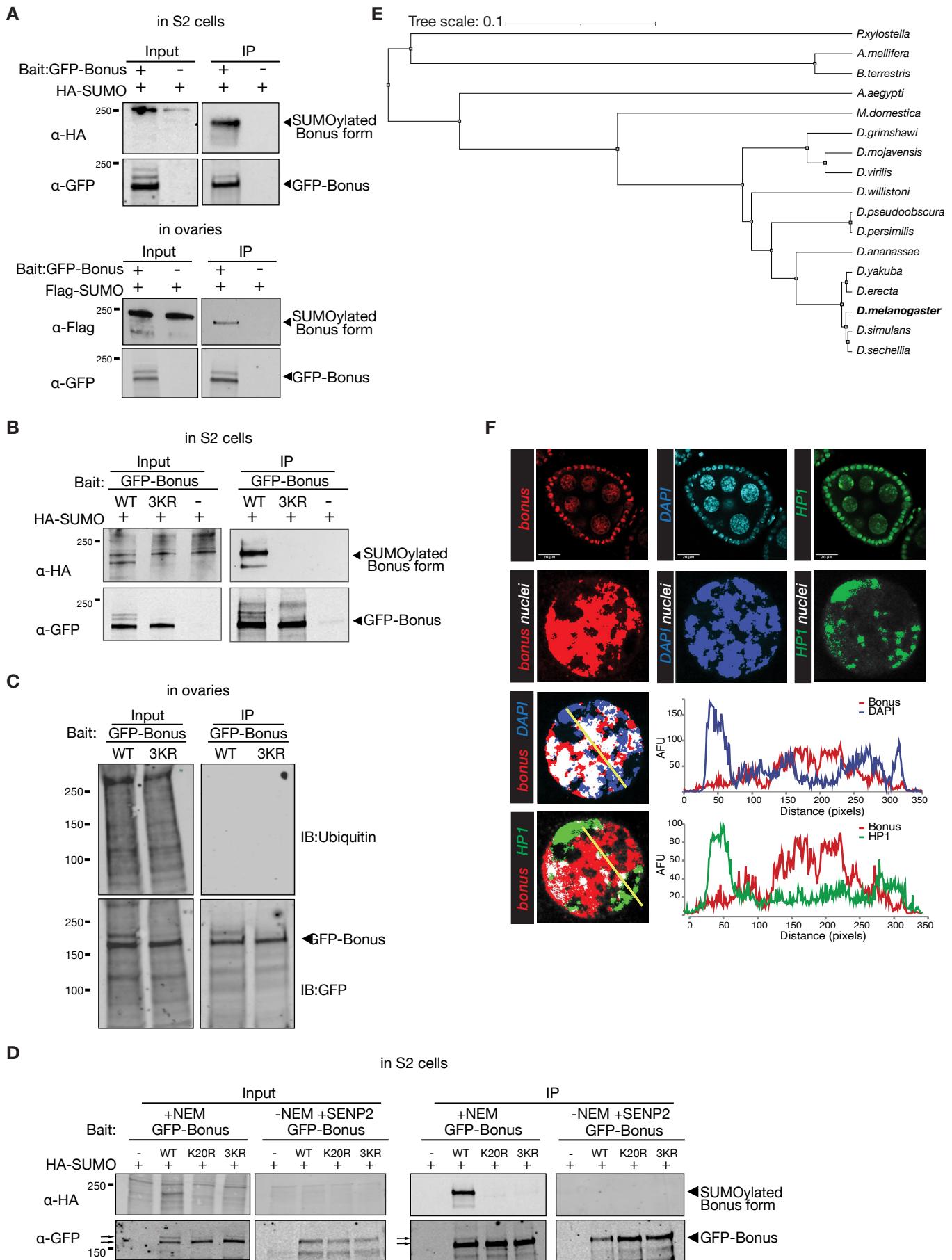
### Extended Data Fig.3



**C** in S2 cells      **D** in S2 cells

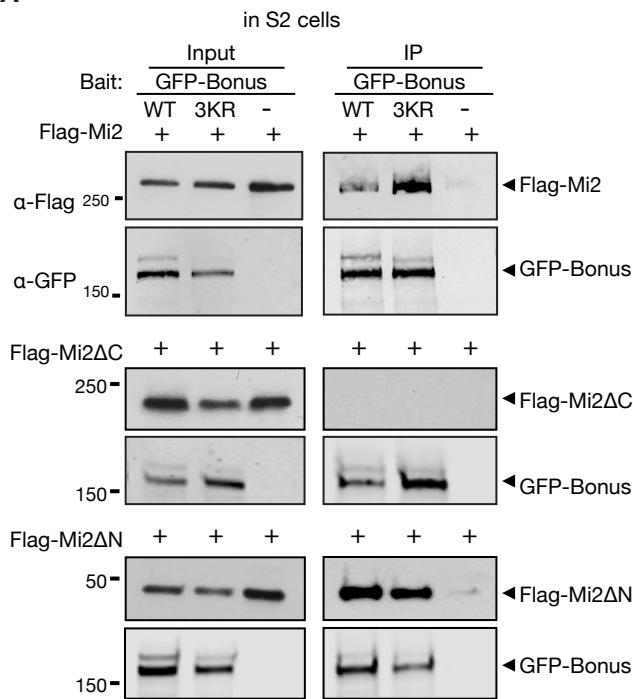


## Extended Data Fig.4

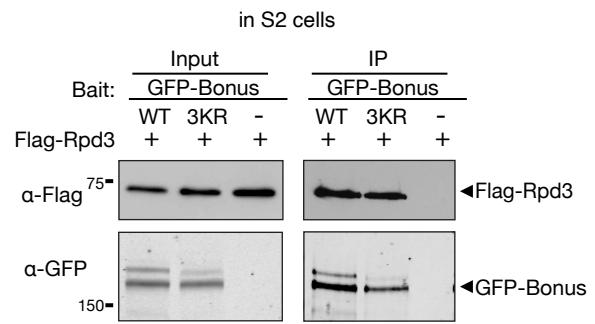


## Extended Data Fig.5

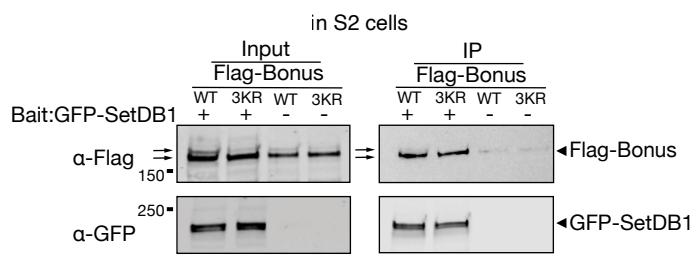
**A**



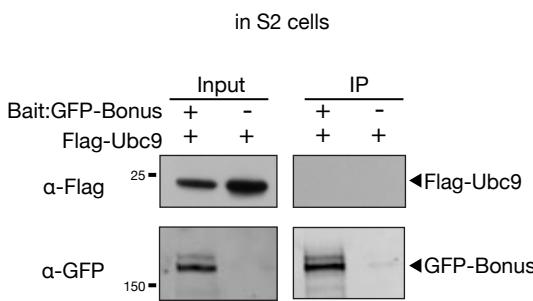
**B**



**C**



**D**



**E**

