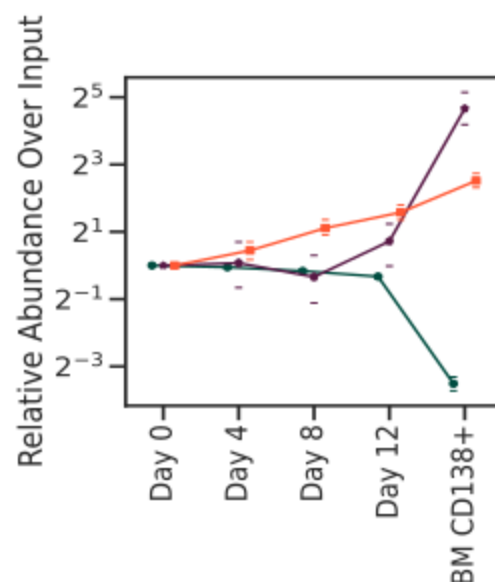
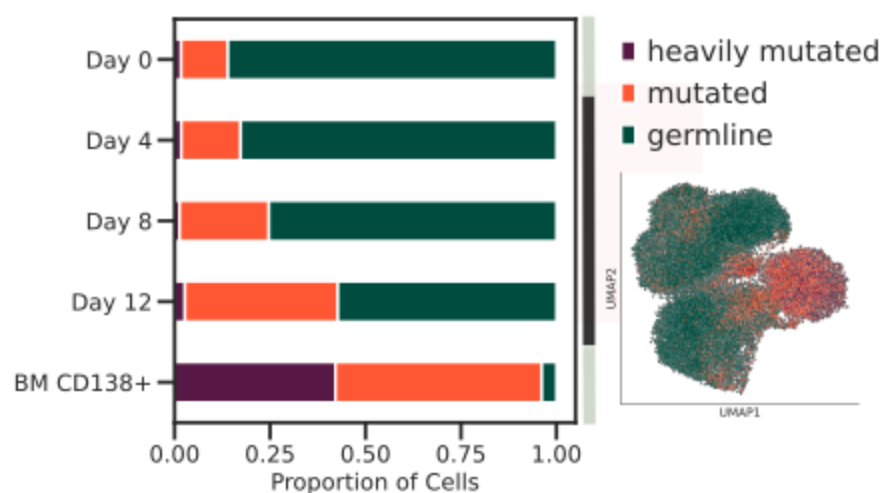
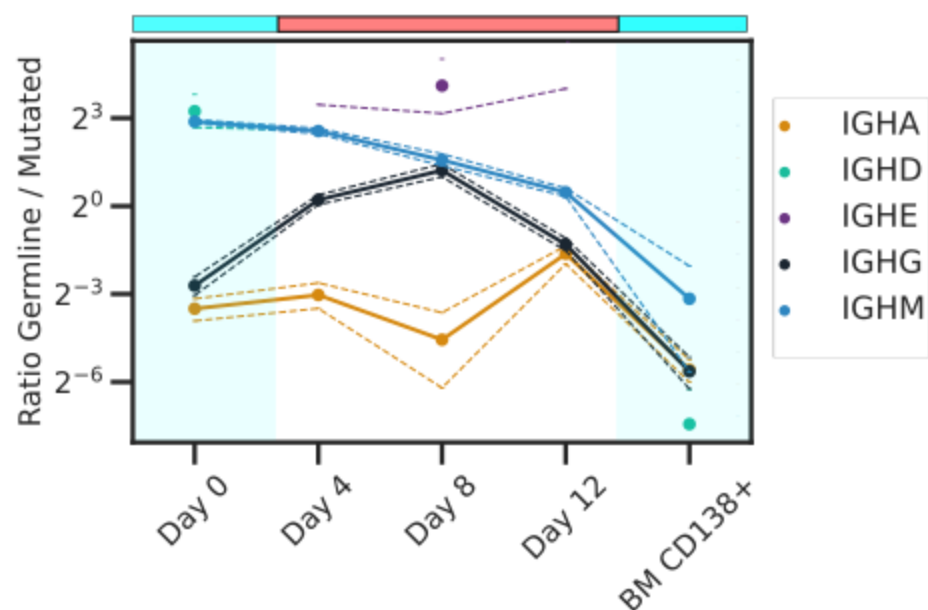
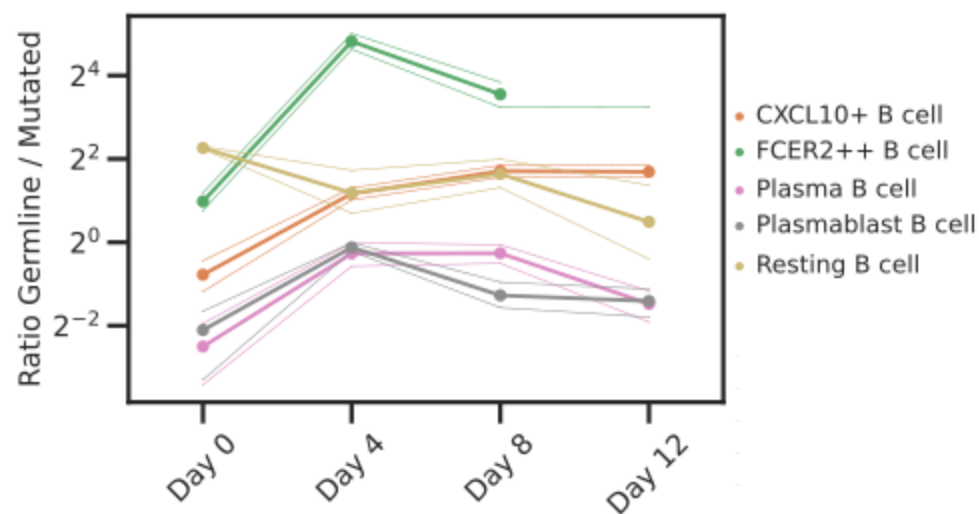


**a**

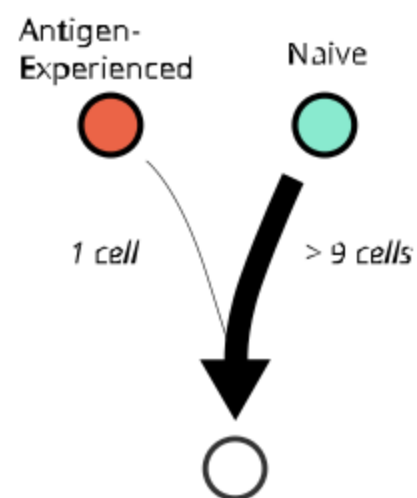
## *mutated progenitors are more persistent*



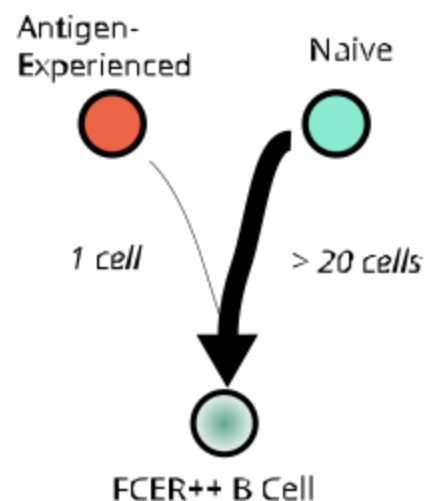
## *germline and mutated progenitors have strong, different fate biases*

**c****d**

## Progenitor Fate Bias



Class-Switched IGHE Cell



FCER++ B Cell