Overall this is in really great shape, most of my comments/edits are minor/cosmetic/fine-tuning. Biggest comments on the manuscript are 1. you should see if your biomarkers for enb also differentiate strep from healthy (eg are this general markers of infection or something specific to Enb), and 2. I don't love the cytokine analysis, I think it would be better to just measure cytokines directly instead of predicting them.

I've attached my comments on the manuscript draft to this email, and below are some comments for the figures:

colors in figure 1 are stellar, really aid understanding!

figure 2: red-green is the most common colorblindness, I recommend you change the colors in B and D to a colorblind friendly divergent palette ([examples](https://www.nceas.ucsb.edu/sites/default/files/2022-06/Colorblind%20Safe%20Color%20Schemes.pdf)). it may also be nice to add colors from fig 1 throughout the rest of the figures, eg fig 2C (usually I like black for healthy/control). one idea is to make healthy black and each enb a primary color (eg red and blue) then when you are talking about both together you do the mixed secondary color (eg purple).

figure 2, 3, and 4 As: might consider adding significance cut offs, and for 3A add color-code to figure. Could also label interesting features, otherwise the volcano maps themselves don't have much info

4C why is this the only one with a box plot?

fig 5, 6: same comments, could use color

no additional comments on supplemental figures, except what applies to main figures.