Example: Logistic regression to determine Critical  $S/S_{\oplus}$  $(N_2 \text{ atmos (CP2024)}, M_p = 8.0 M_{\oplus}, v_{esc} = 24 \text{ km/s}, M_* = 0.1 M_{\odot})$ Gaidos et al 2023; Swastik et al. 2023  $10^{8}$  $10^{9}$ Stellar age (yr)

