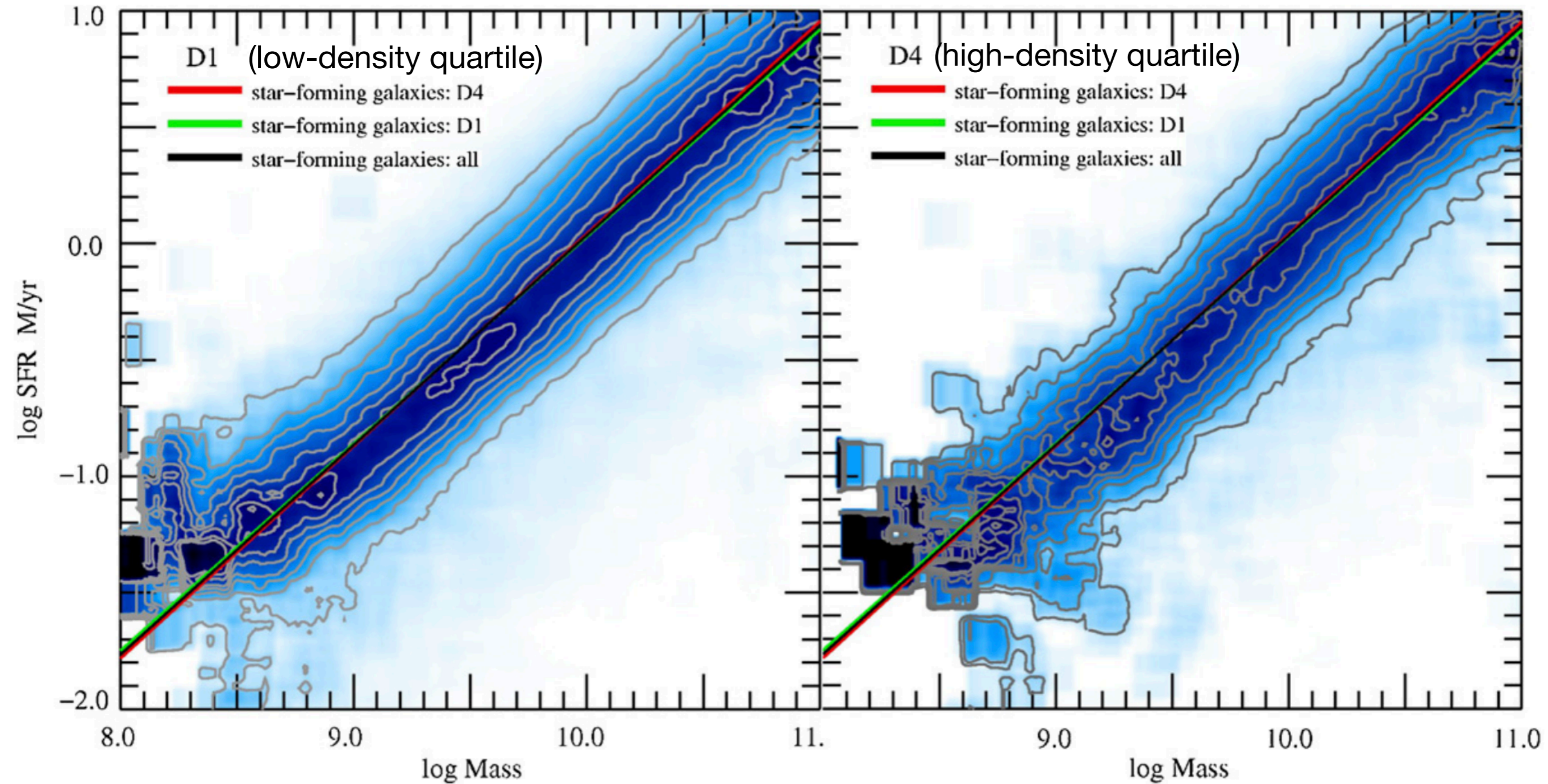
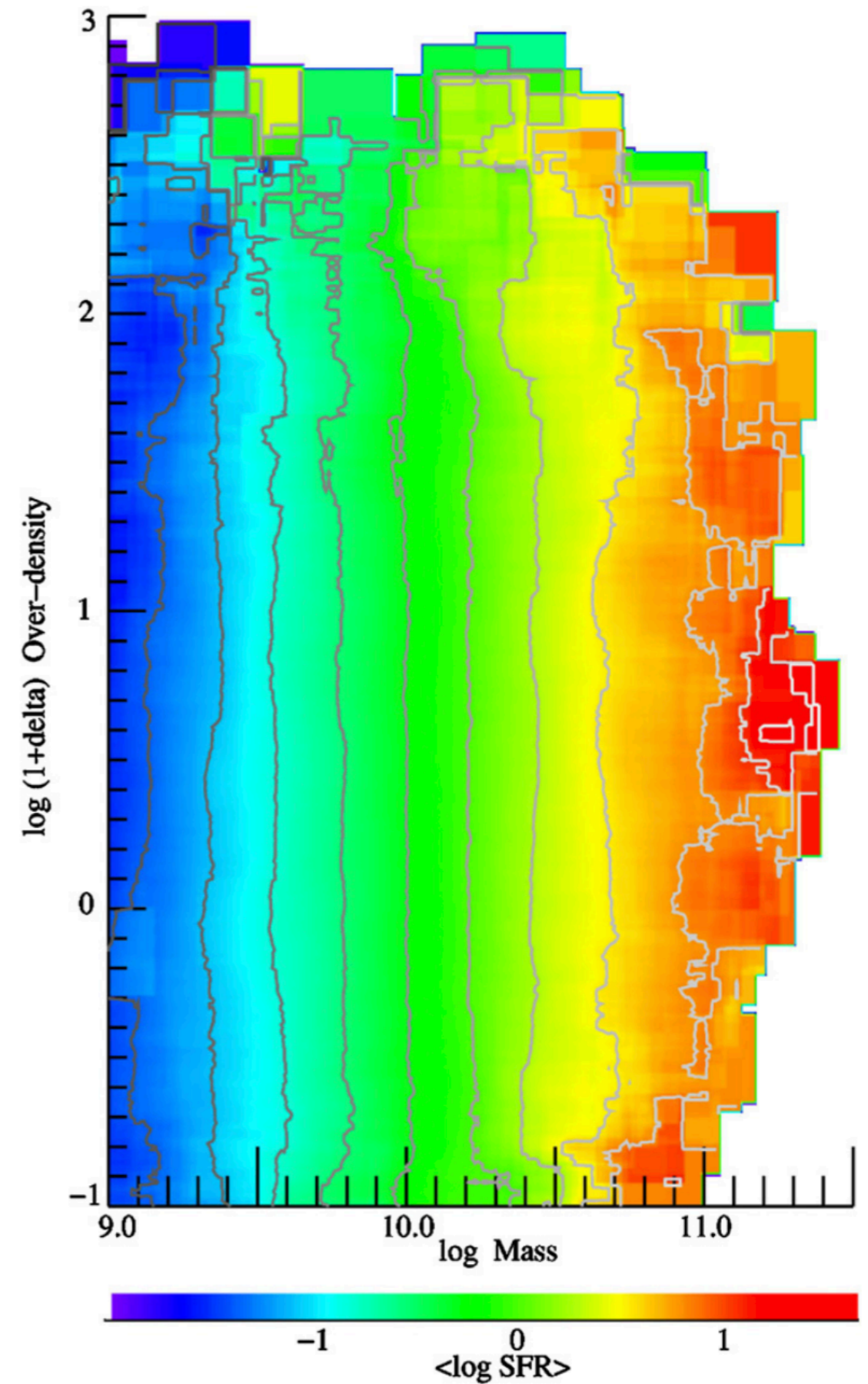
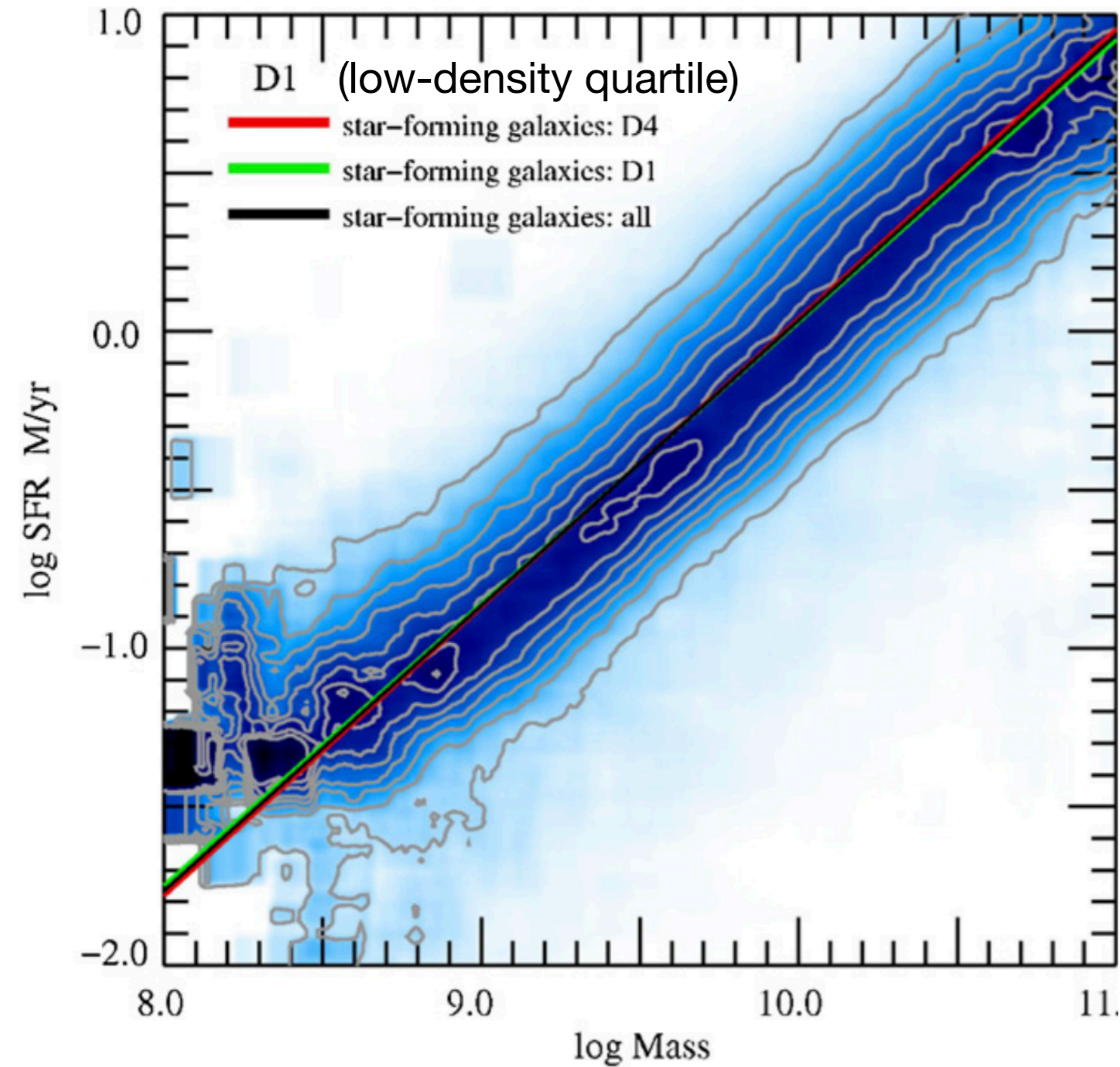


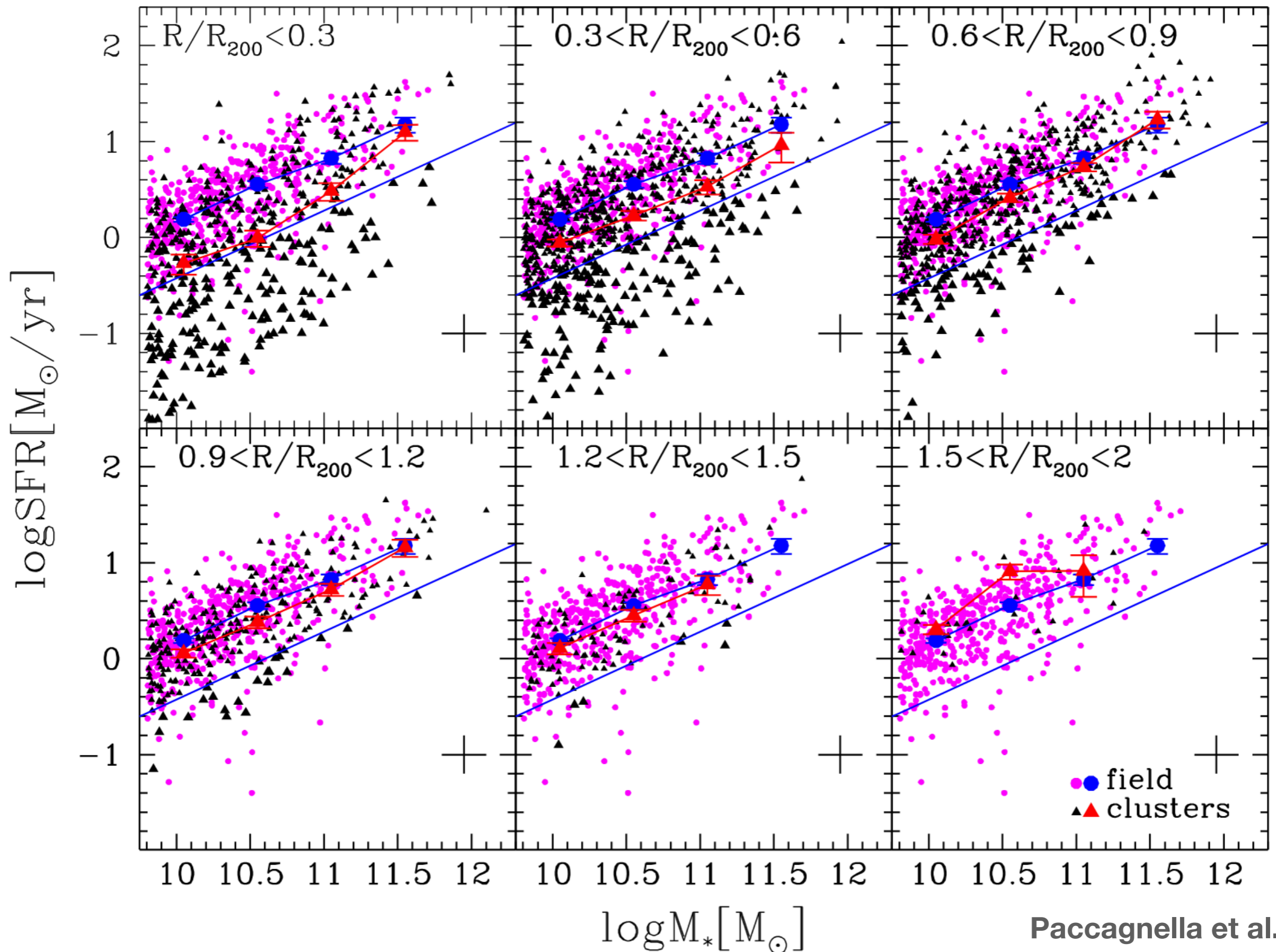
# The impact of environment - SFR vs mass relation



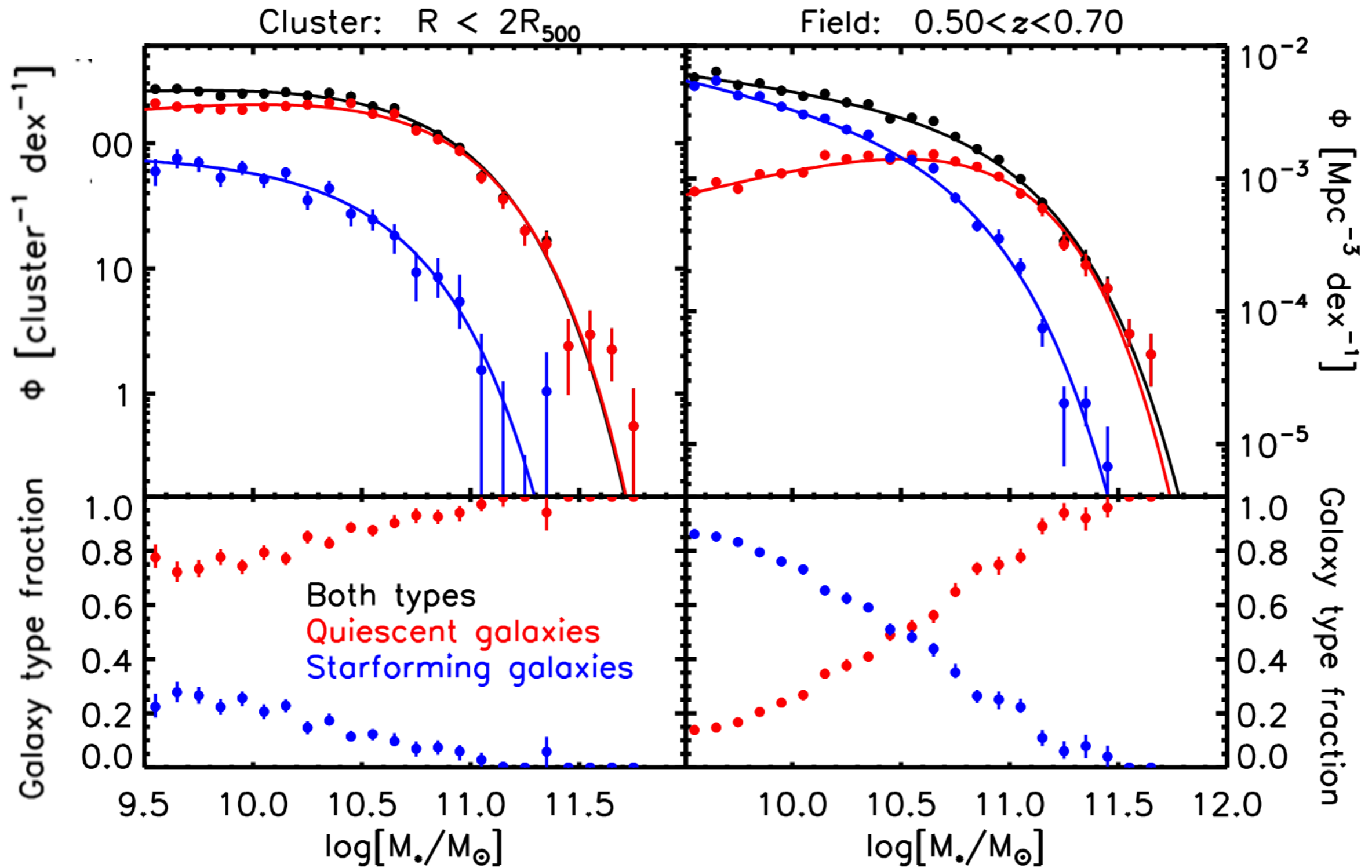
# The impact of environment - SFR vs mass relation



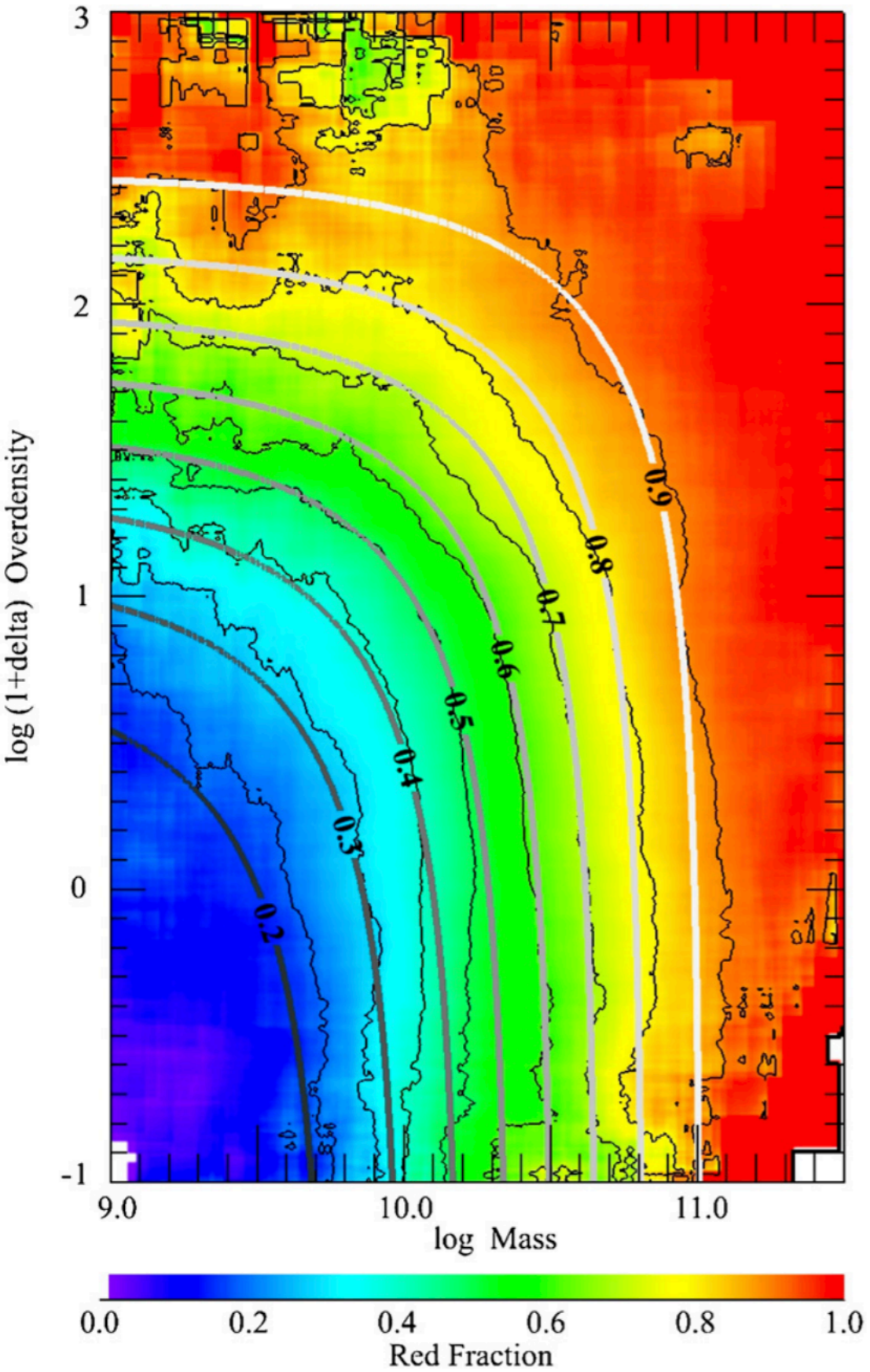
# The impact of environment - SFR vs mass relation



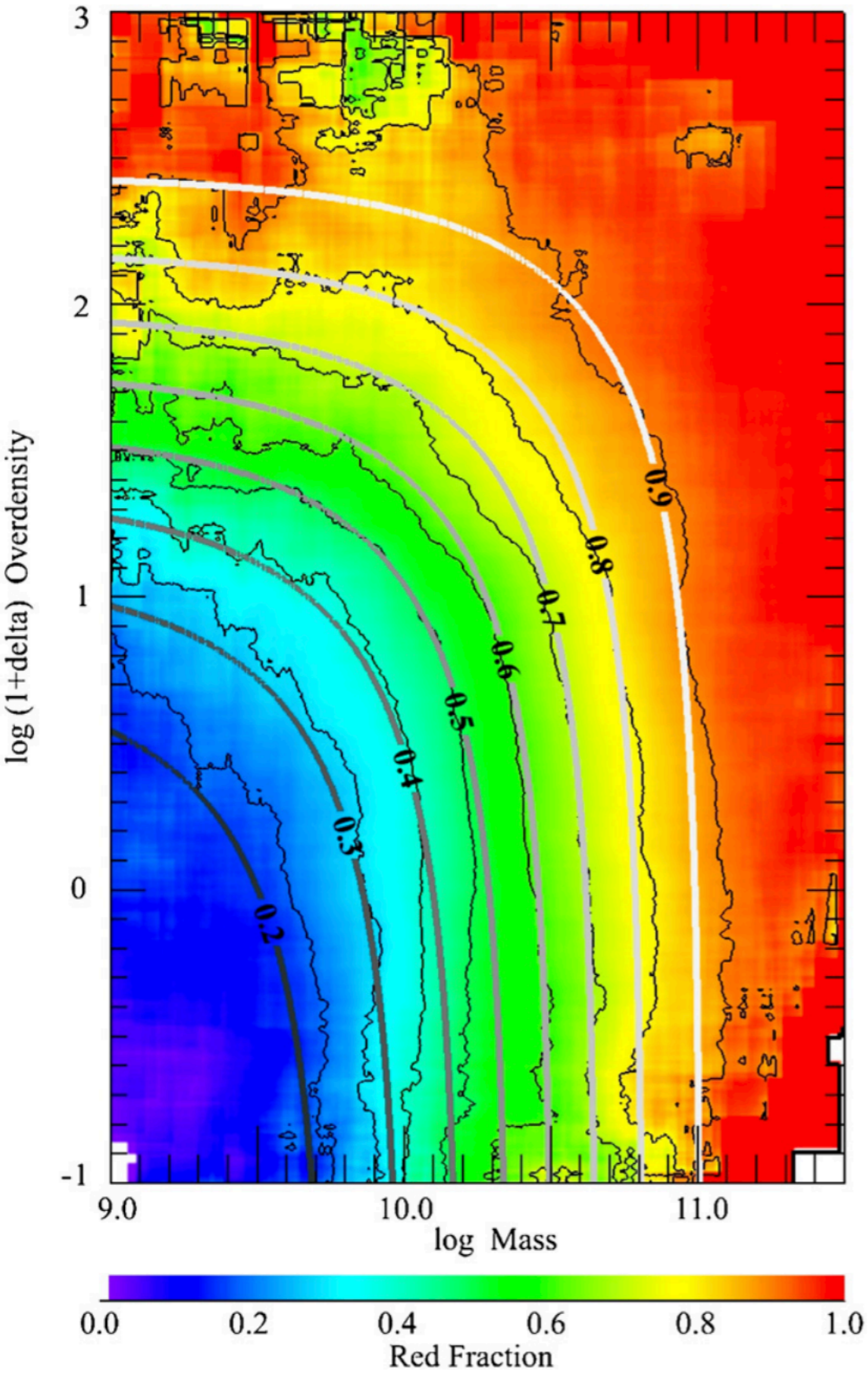
# The impact of environment - quiescent galaxy fraction



# The impact of environment - quiescent galaxy fraction

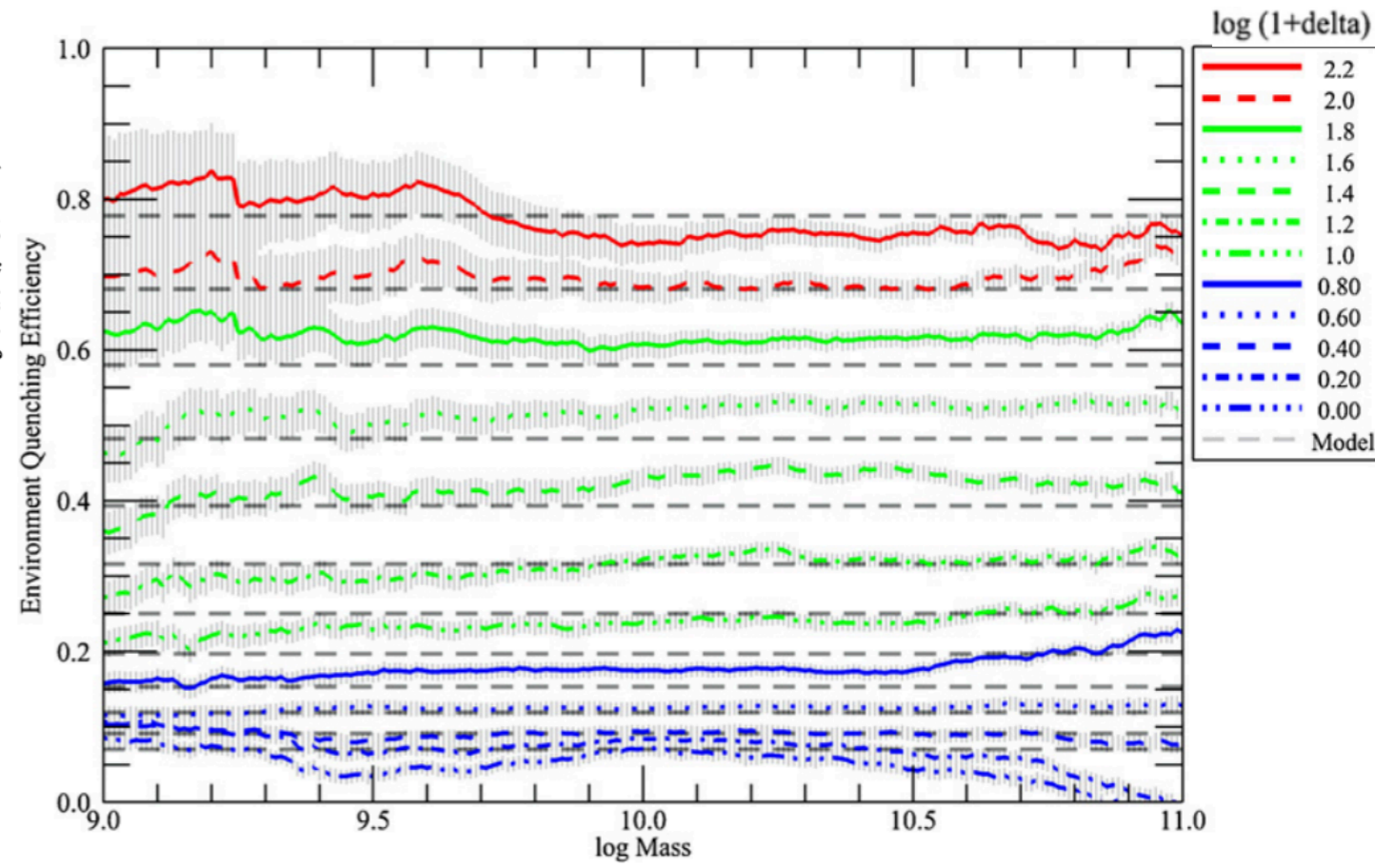
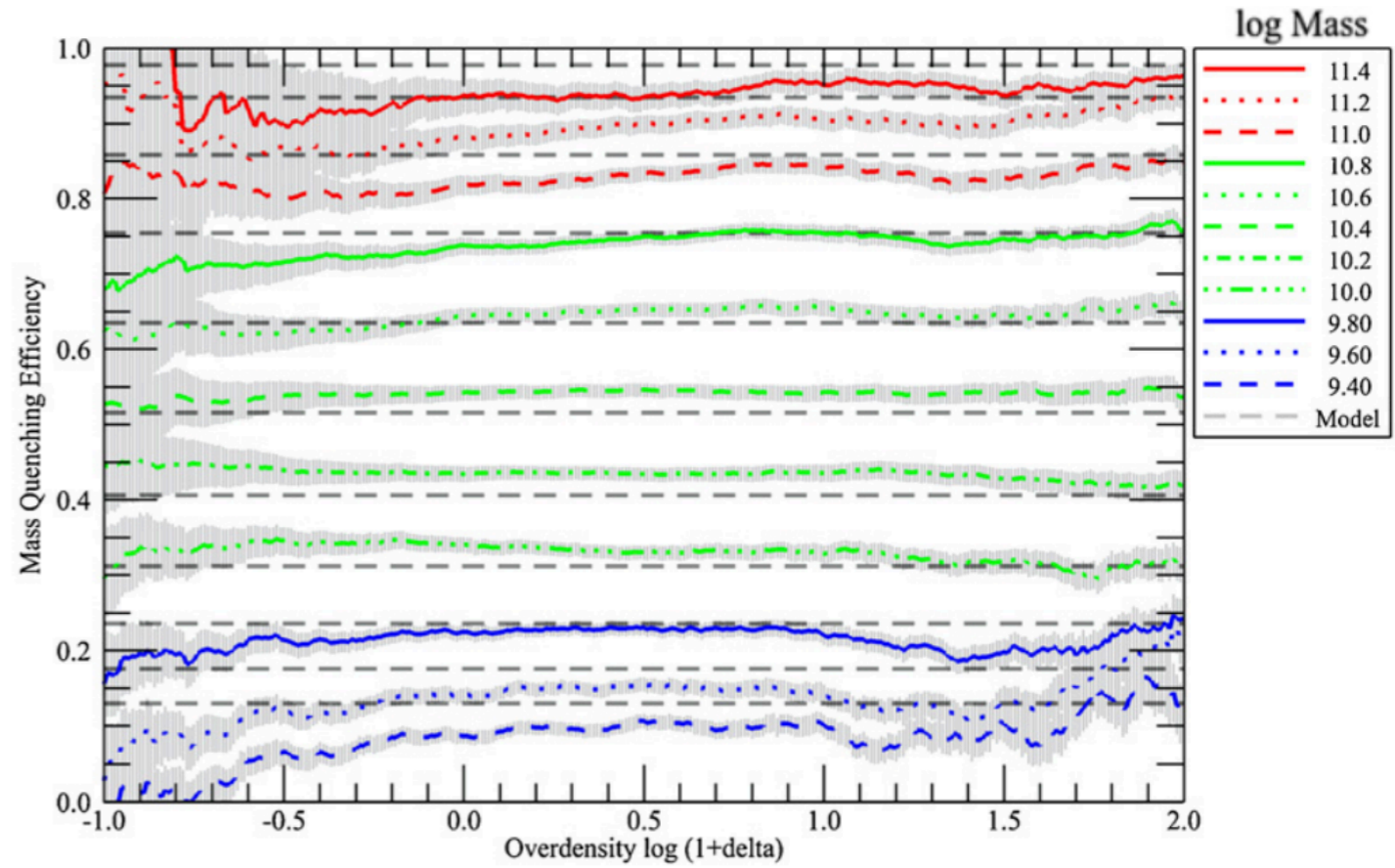


# The impact of environment - quiescent galaxy fraction

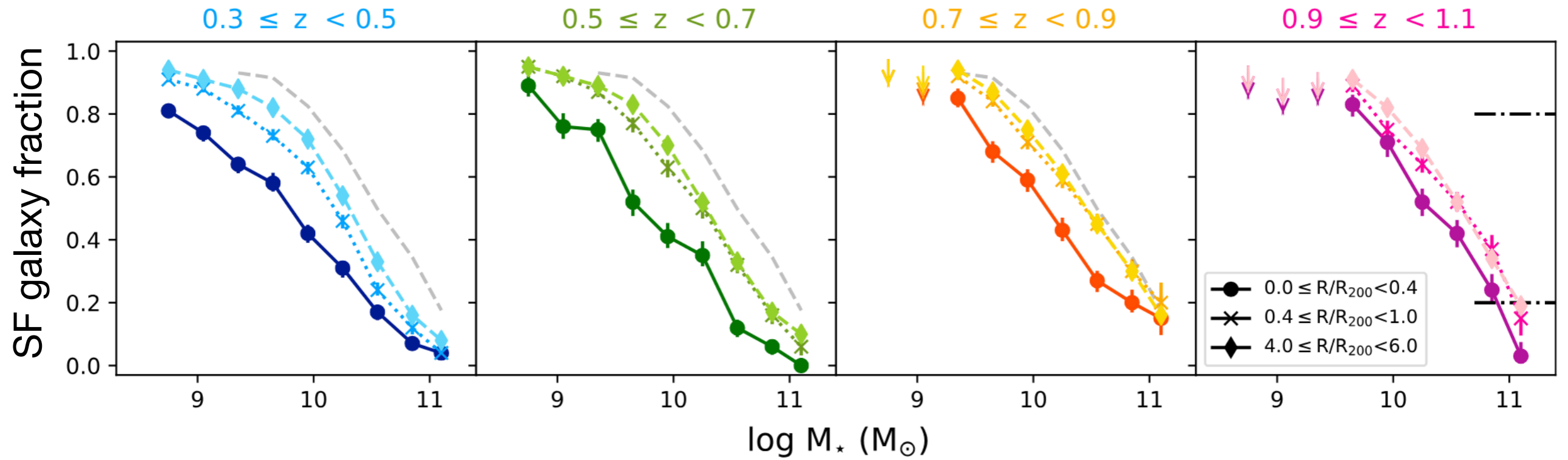


$$\varepsilon_m(m, m_0, \rho) = \frac{f_{\text{red}}(m, \rho) - f_{\text{red}}(m_0, \rho)}{f_{\text{blue}}(m_0, \rho)}$$

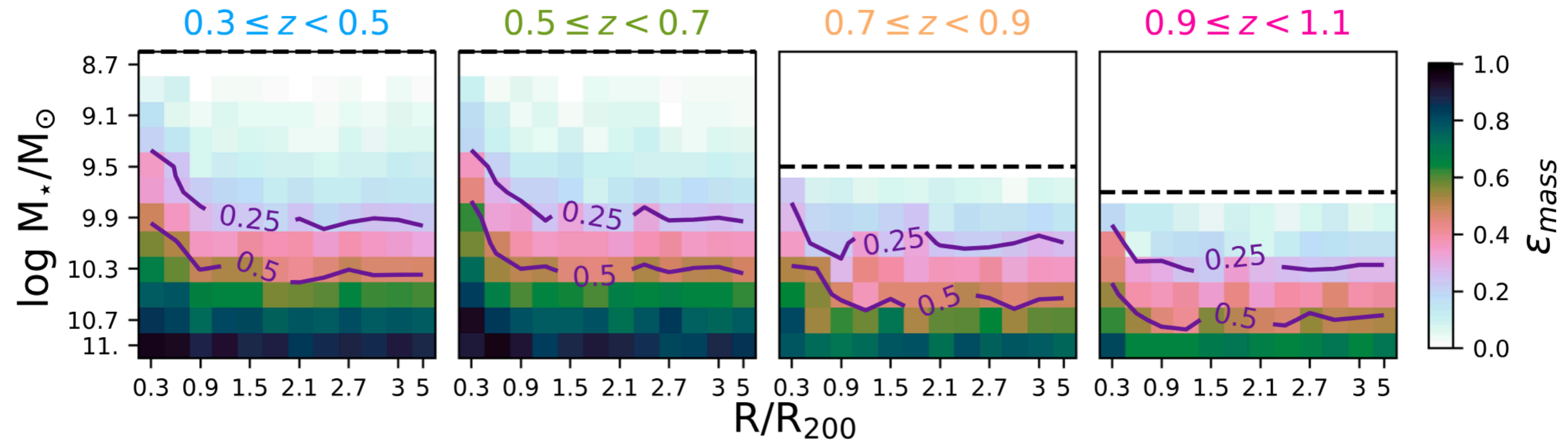
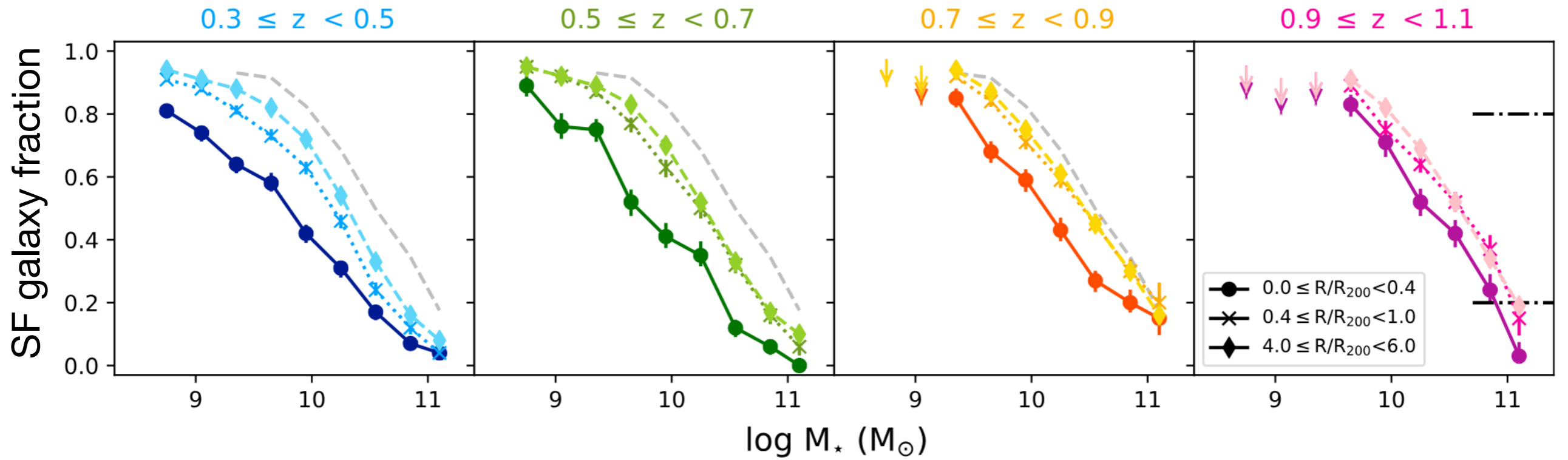
$$\varepsilon_\rho(\rho, \rho_0, m) = \frac{f_{\text{red}}(\rho, m) - f_{\text{red}}(\rho_0, m)}{f_{\text{blue}}(\rho_0, m)}$$



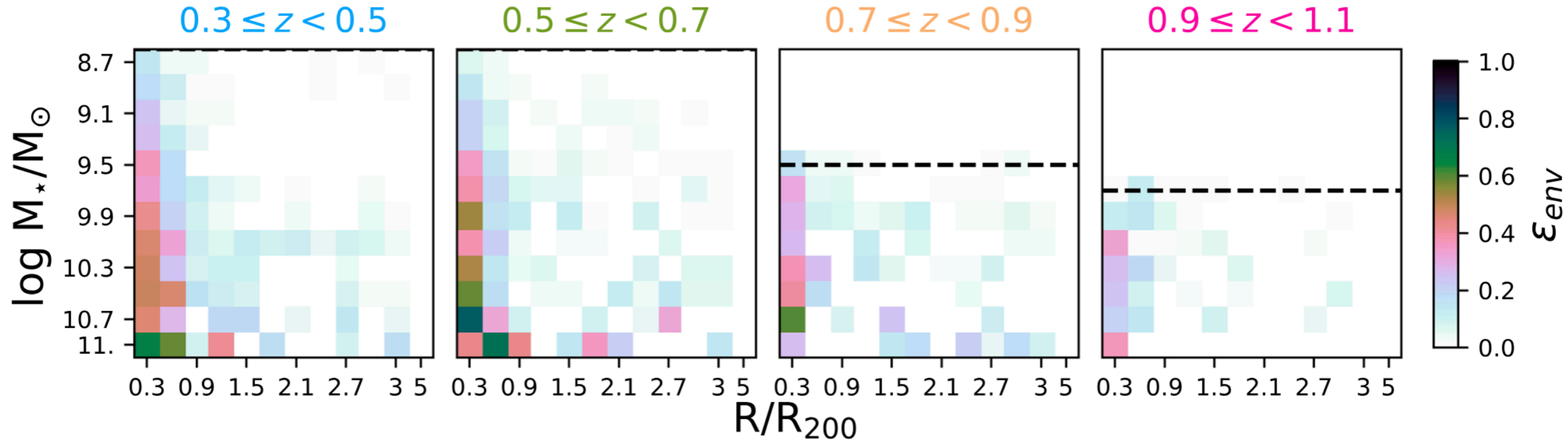
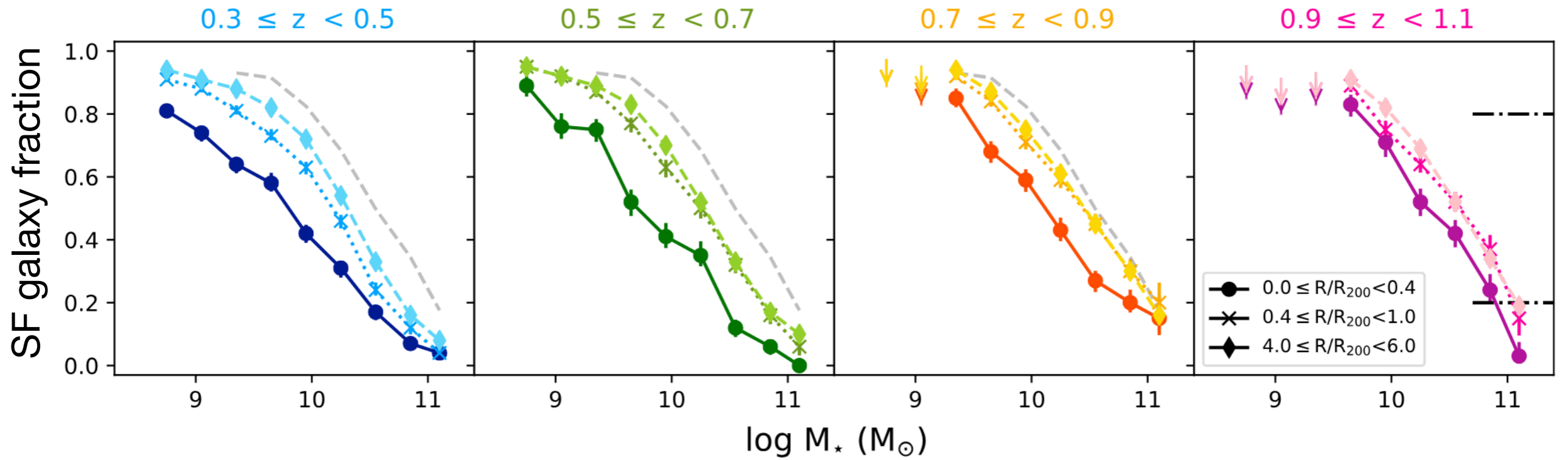
# The impact of environment - quiescent galaxy fraction



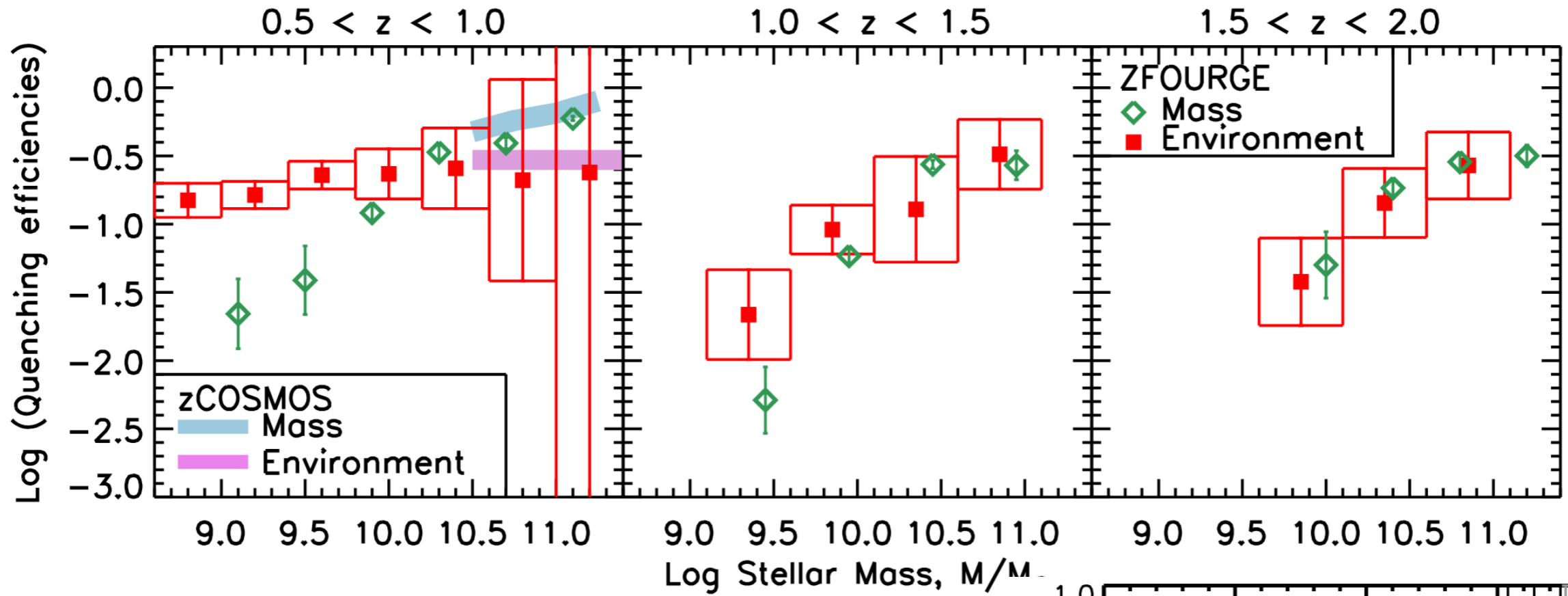
# The impact of environment - quiescent galaxy fraction



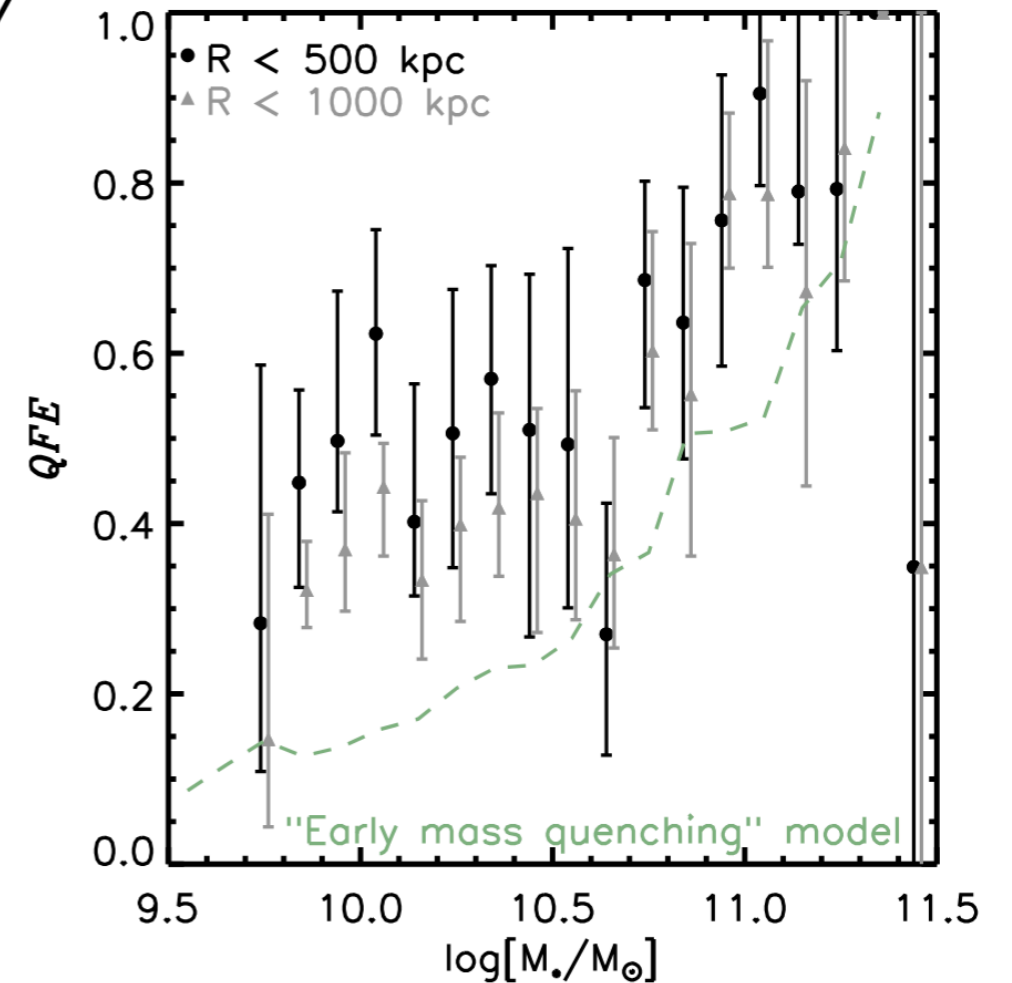
# The impact of environment - quiescent galaxy fraction



# The impact of environment - quiescent galaxy fraction

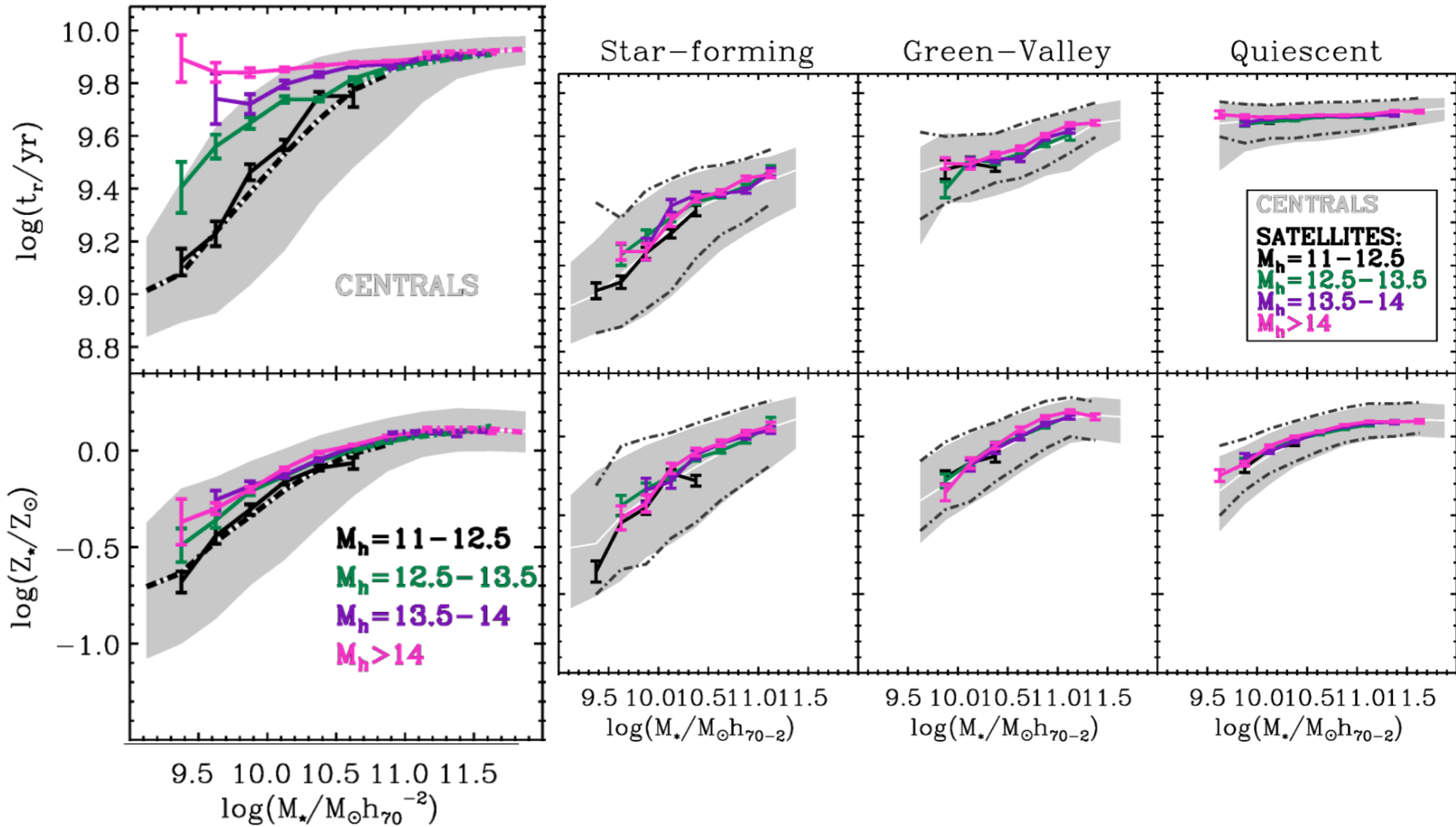


Kawinwanichakij et al. 2017

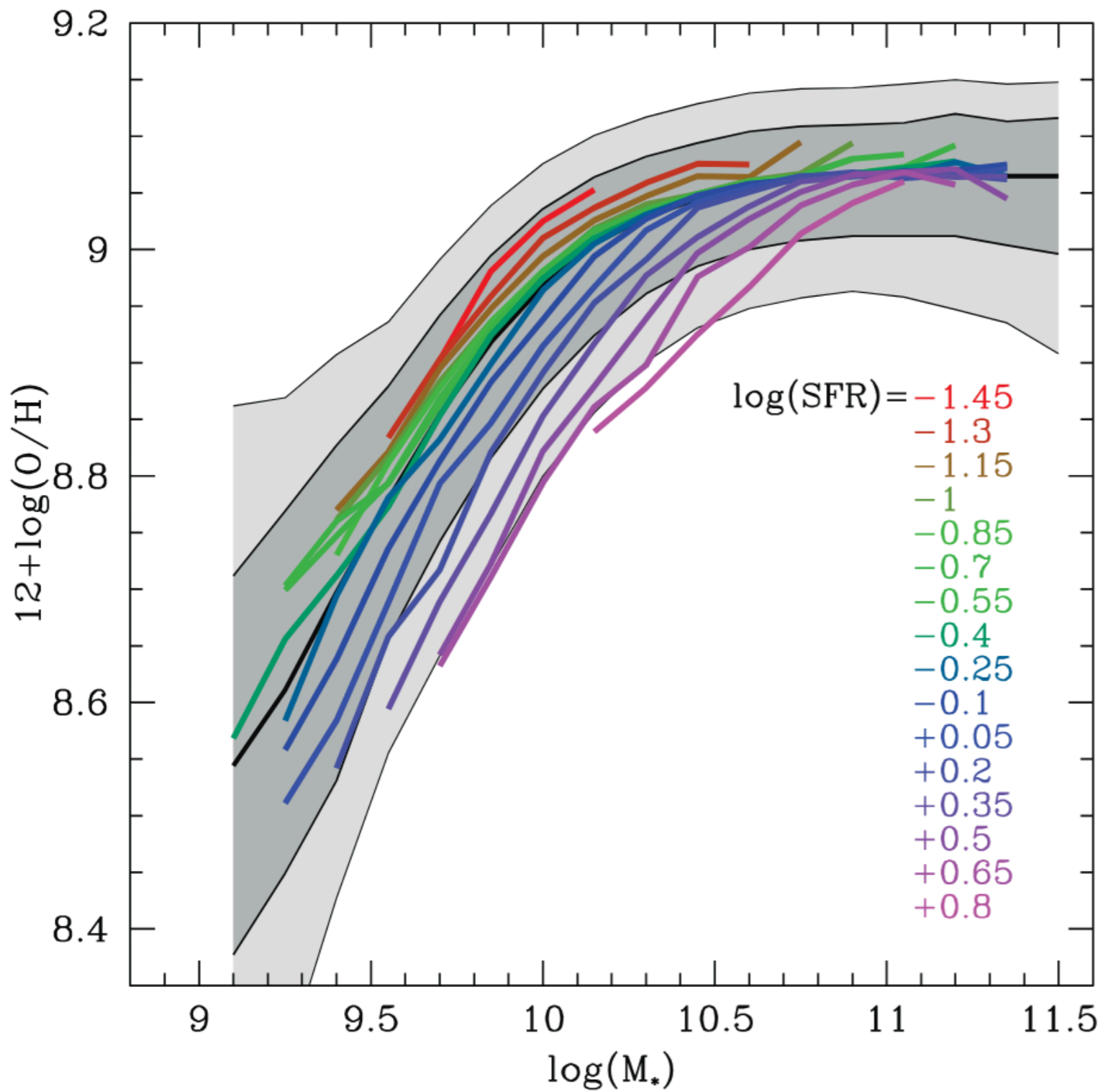


van der Burg et al. 2020

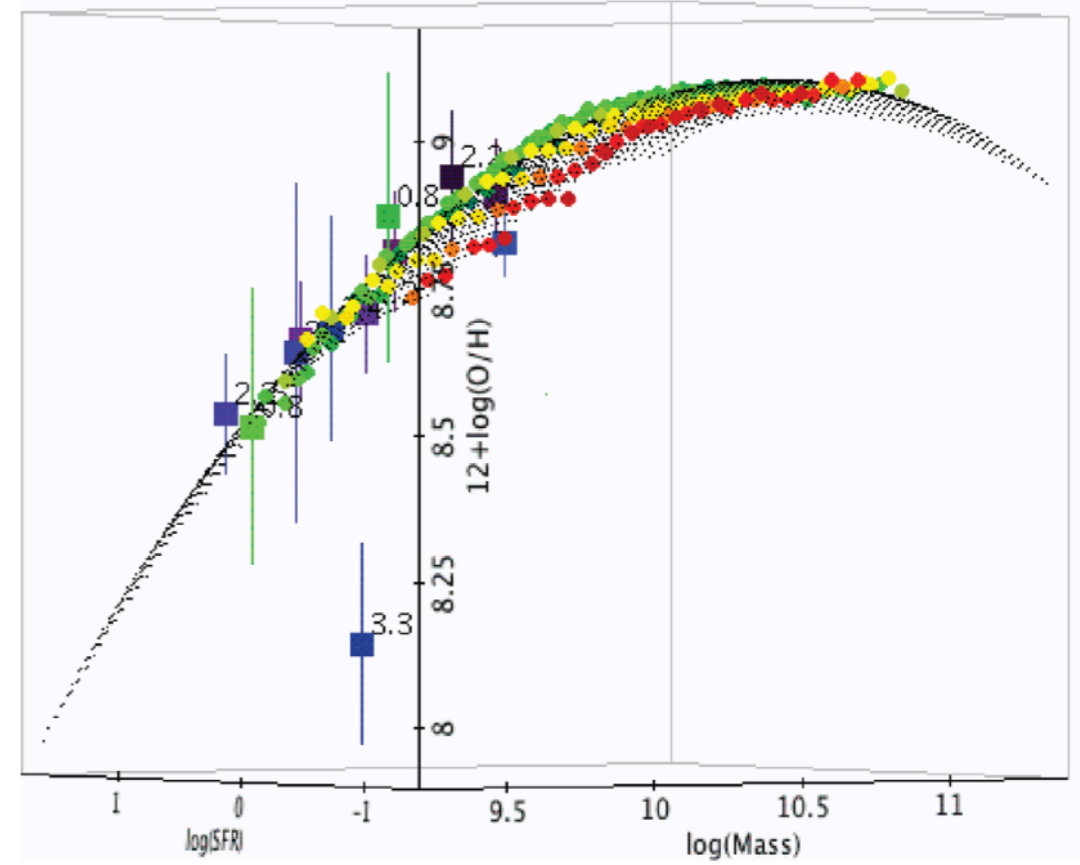
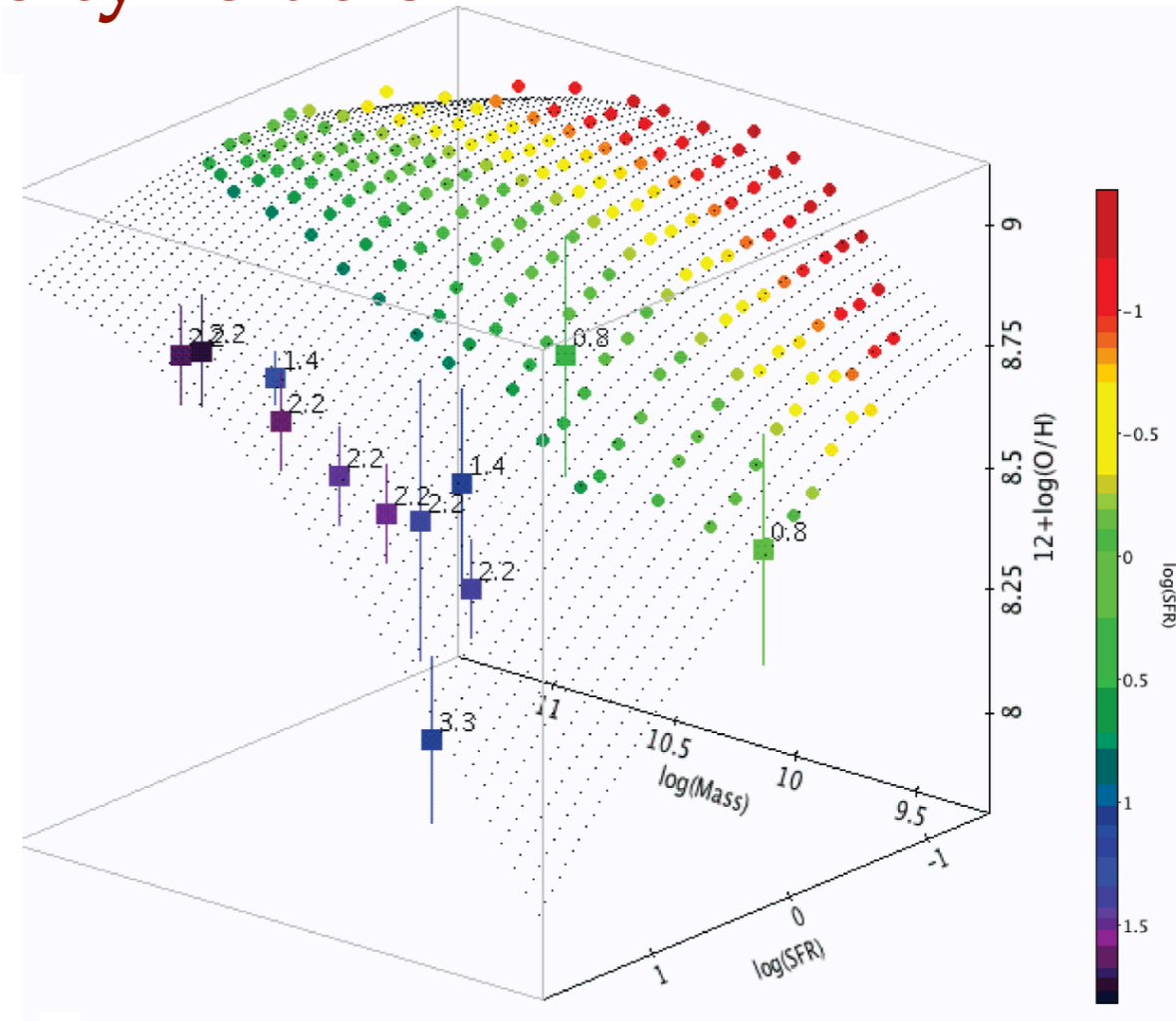
# age vs mass / mass-metallicity relation / environment



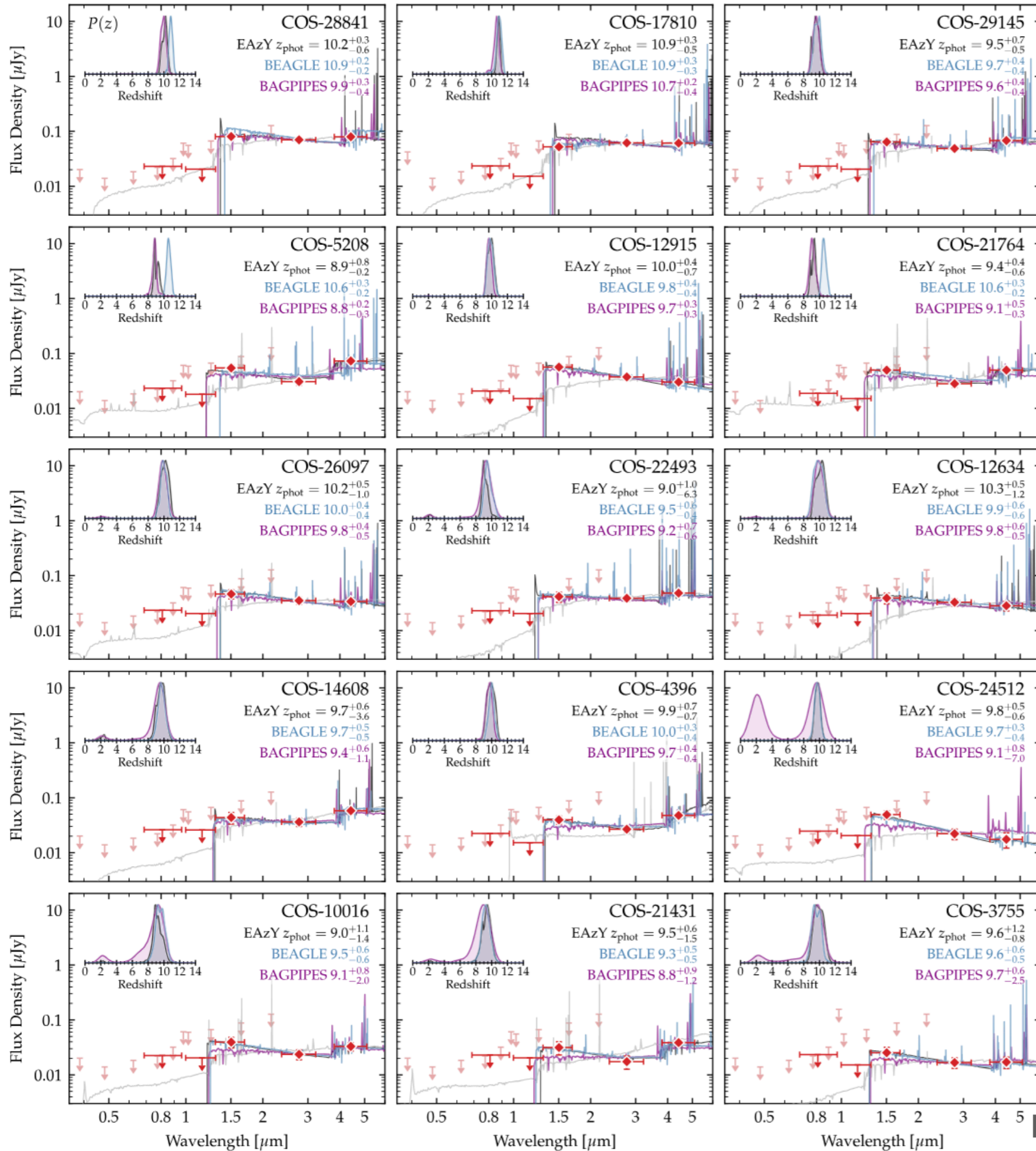
# mass - SFR - metallicity relation



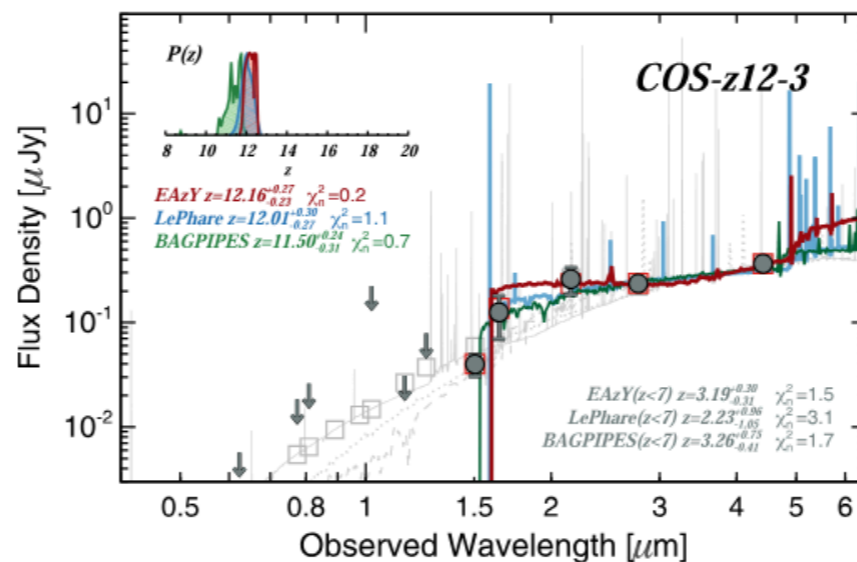
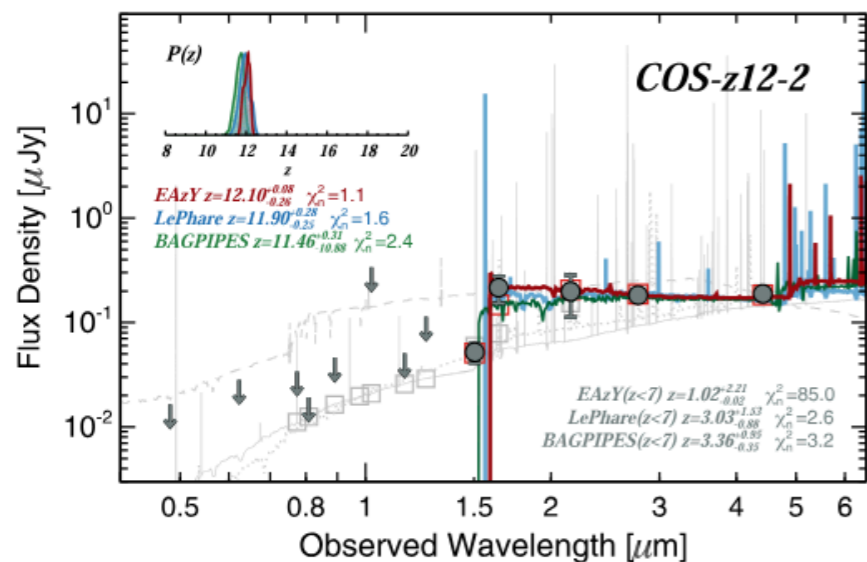
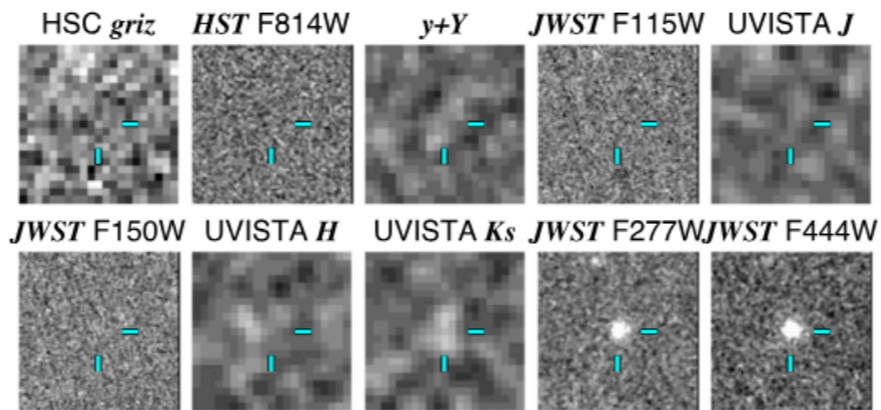
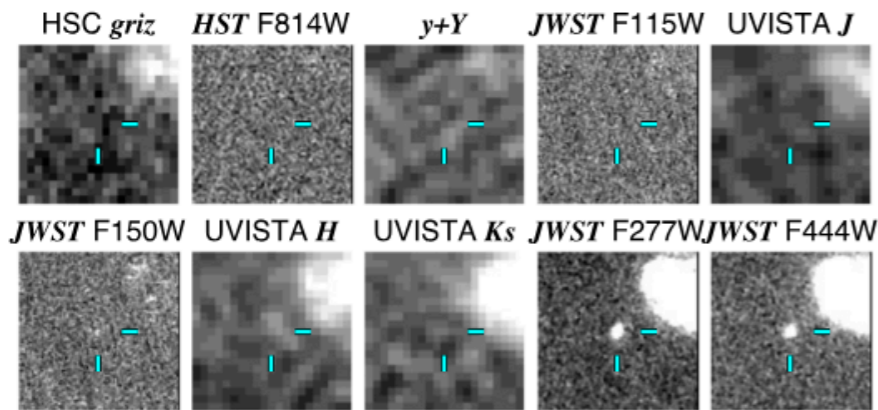
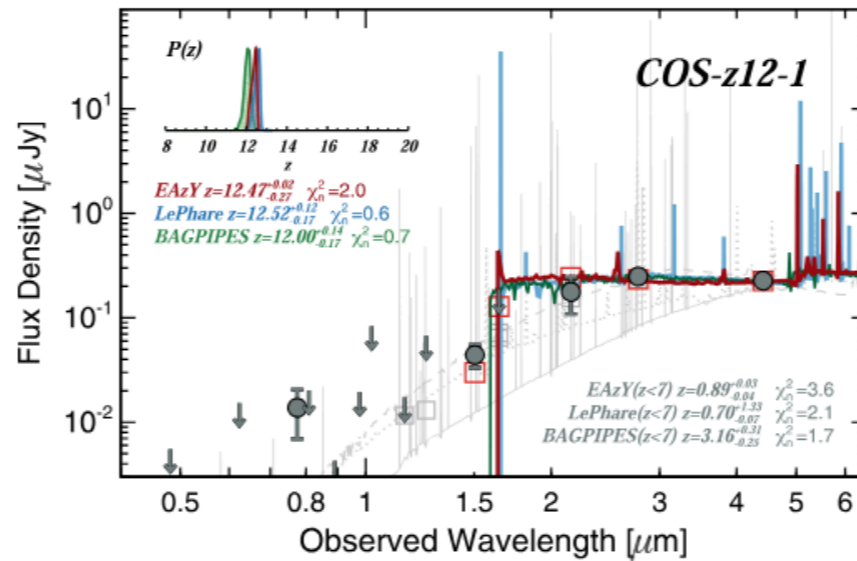
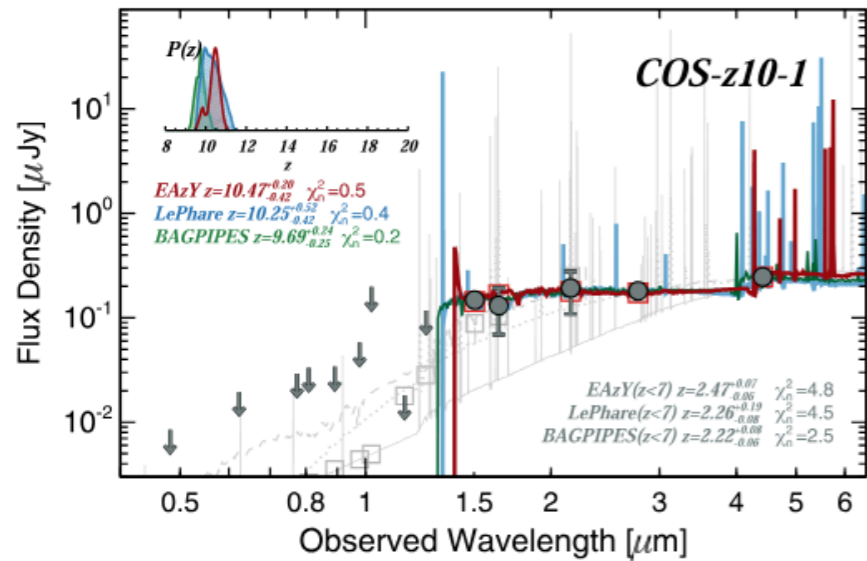
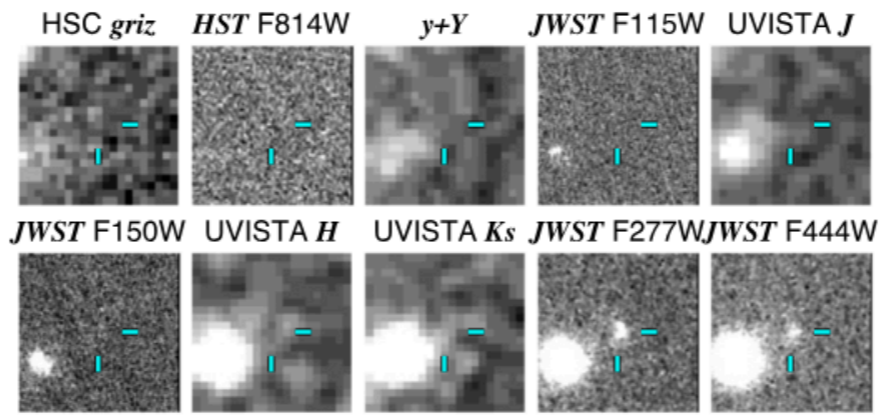
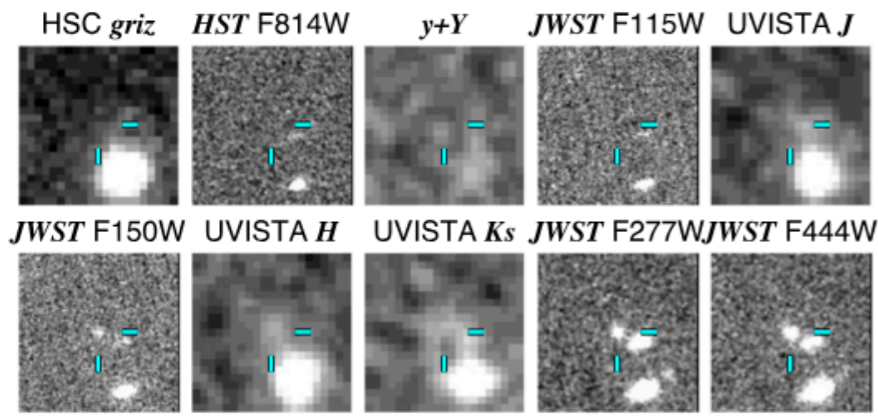
Mannucci et al. 2010



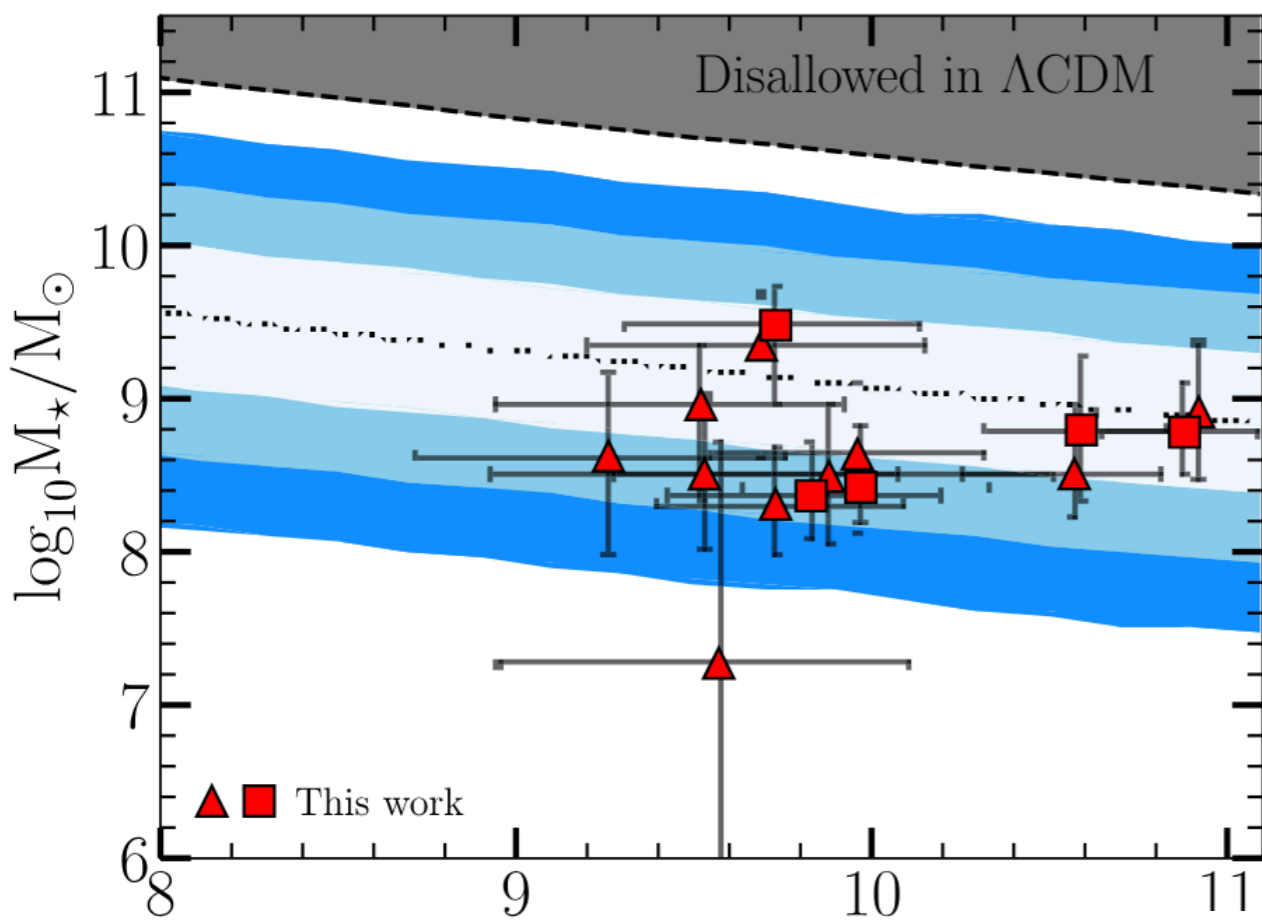
# Very early galaxies



# Very early galaxies



# Very early galaxies



Franco et al. 2024

Redshift

200

Time since the Big Bang [Myr]

250

300

350

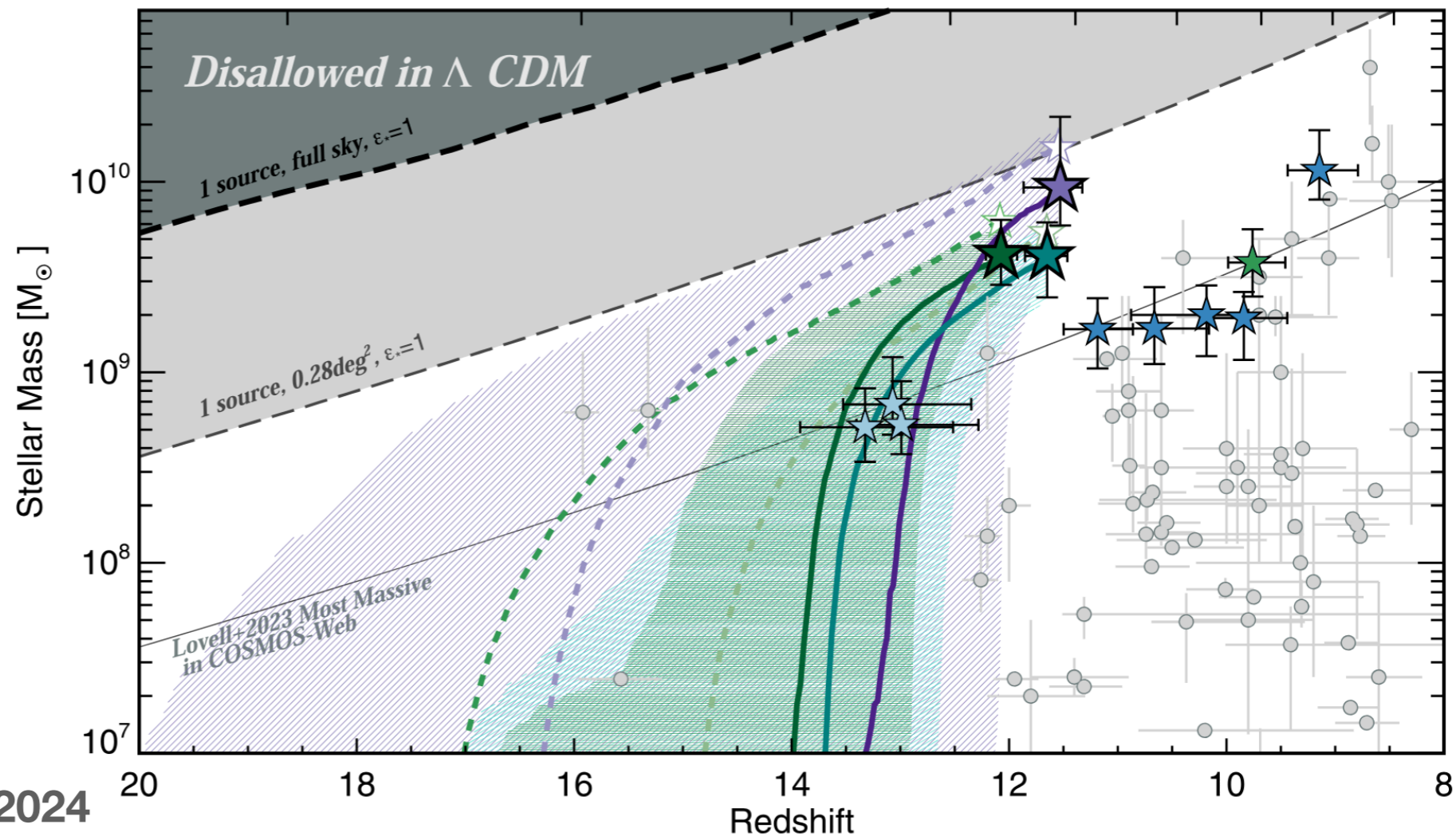
400

450

500

550

600

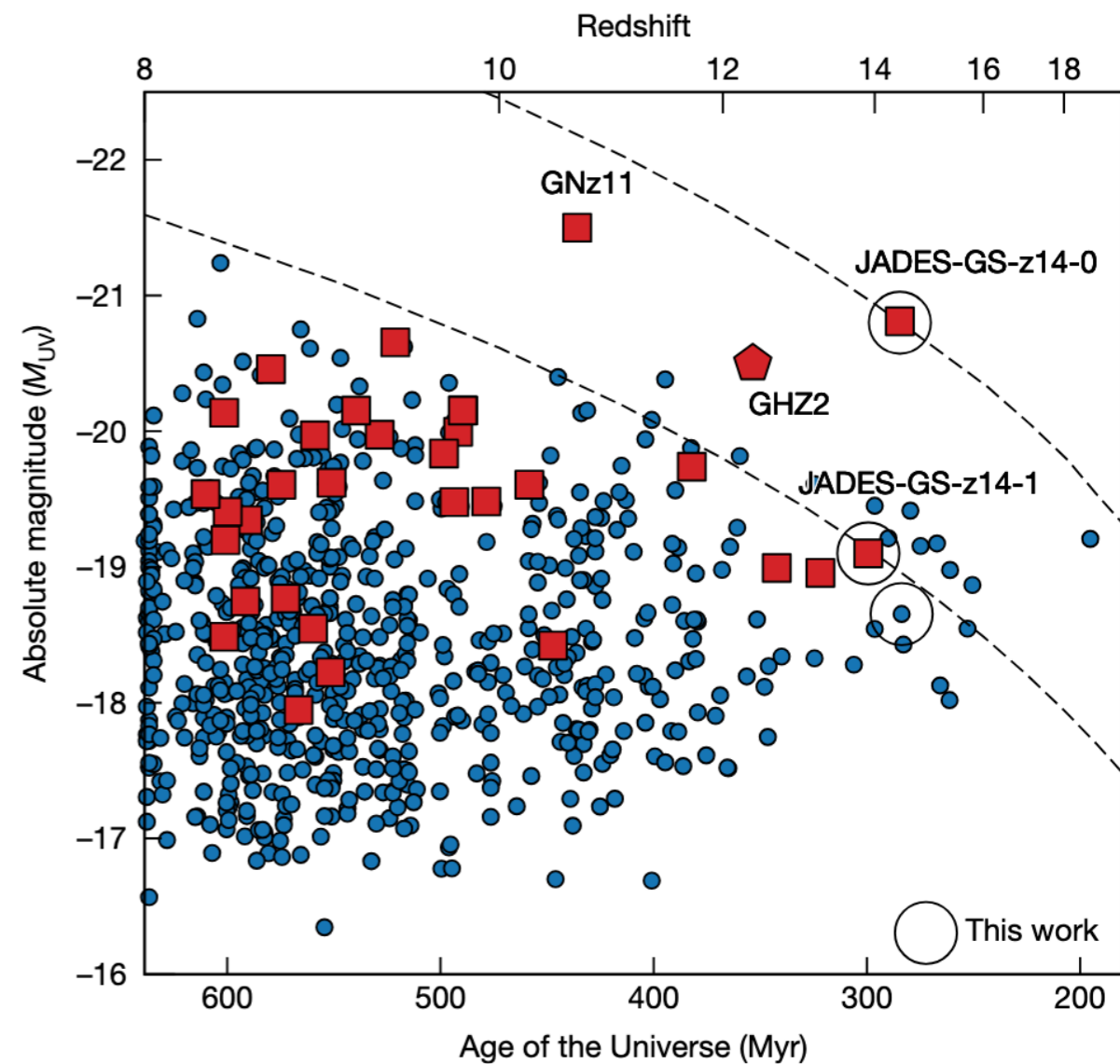
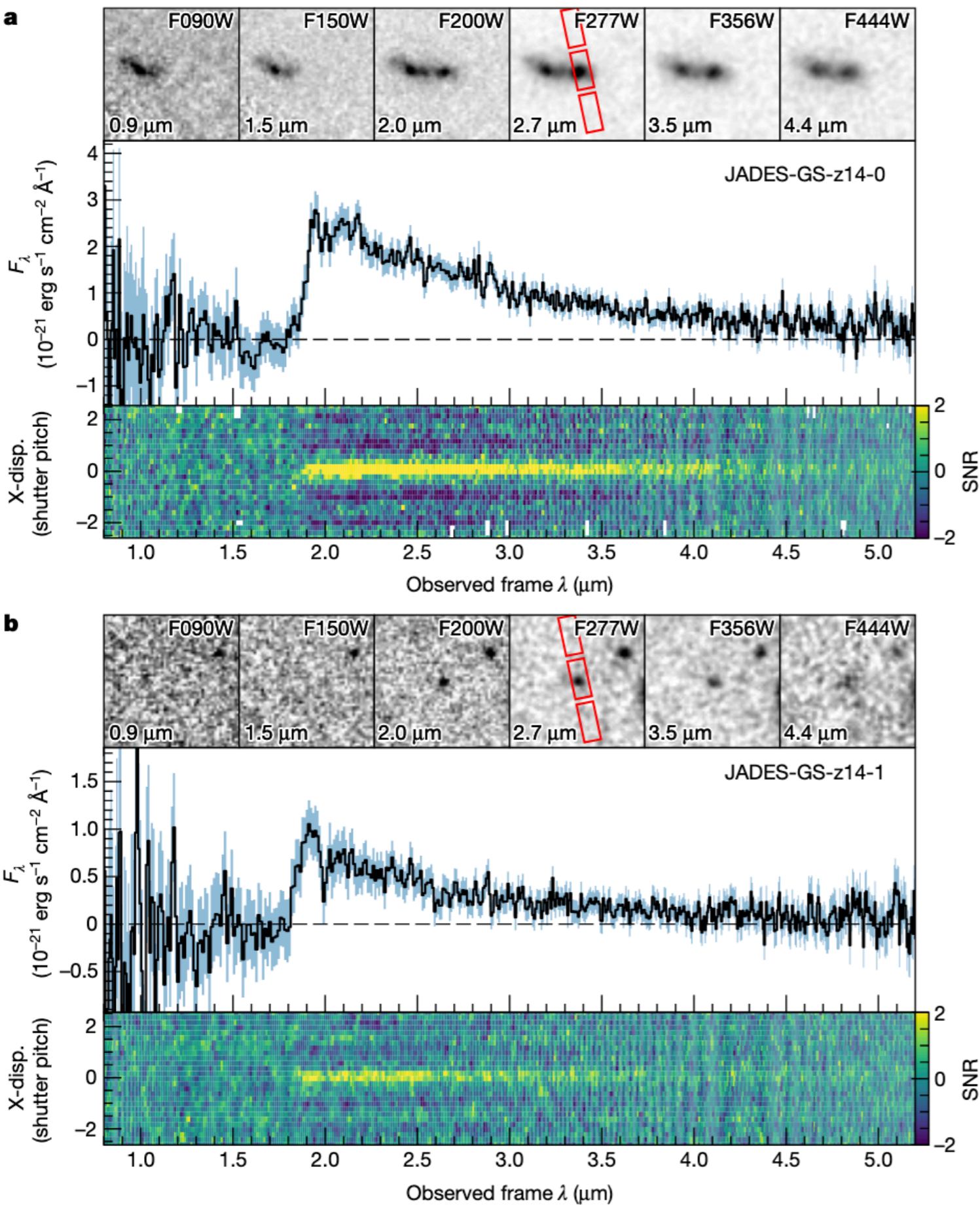


Casey et al. 2024

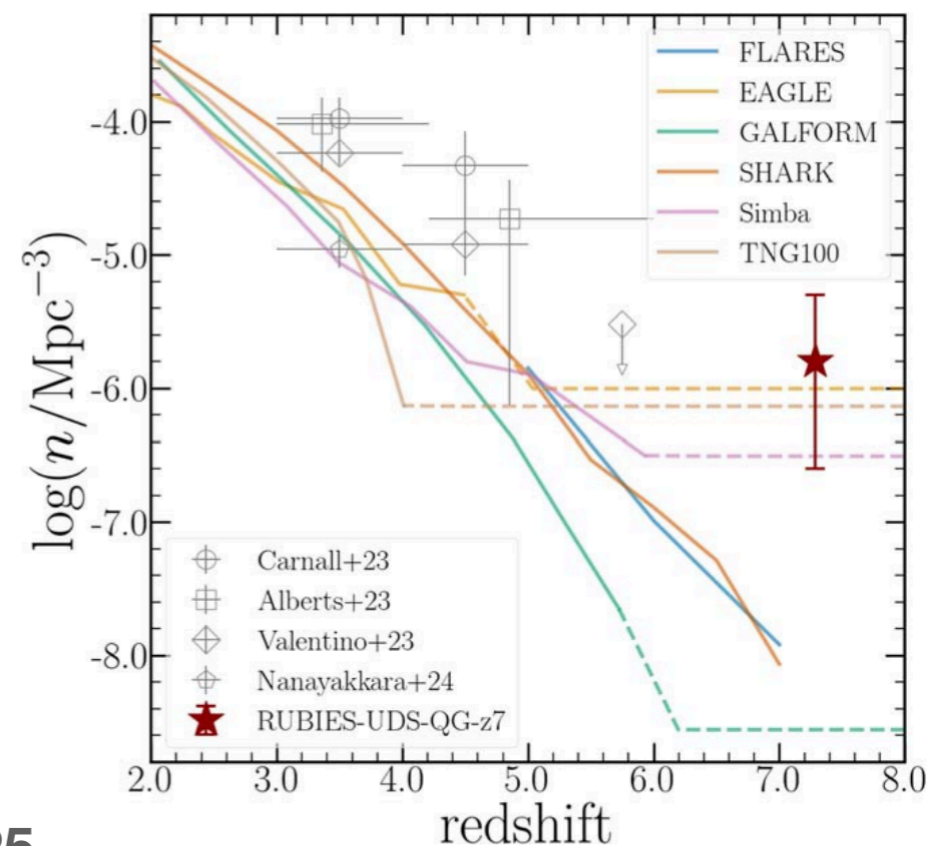
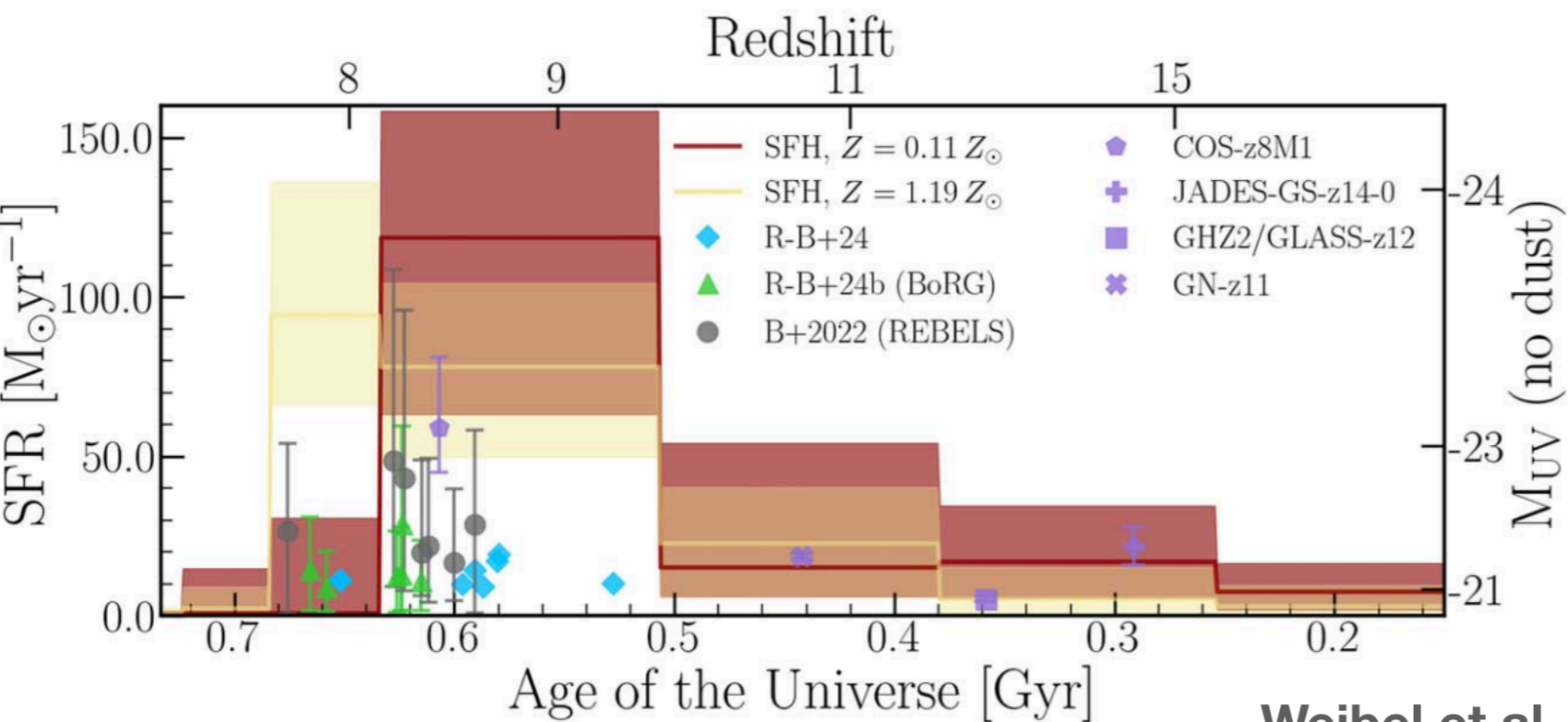
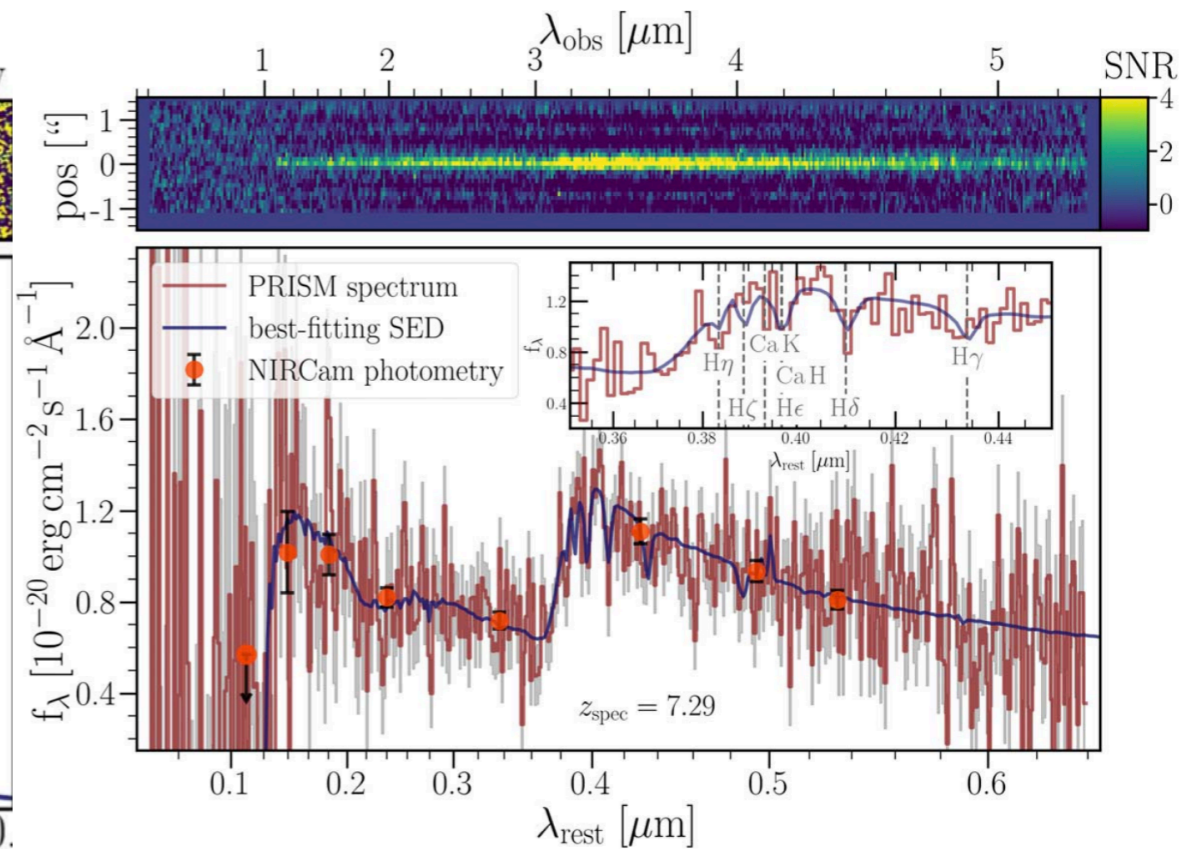
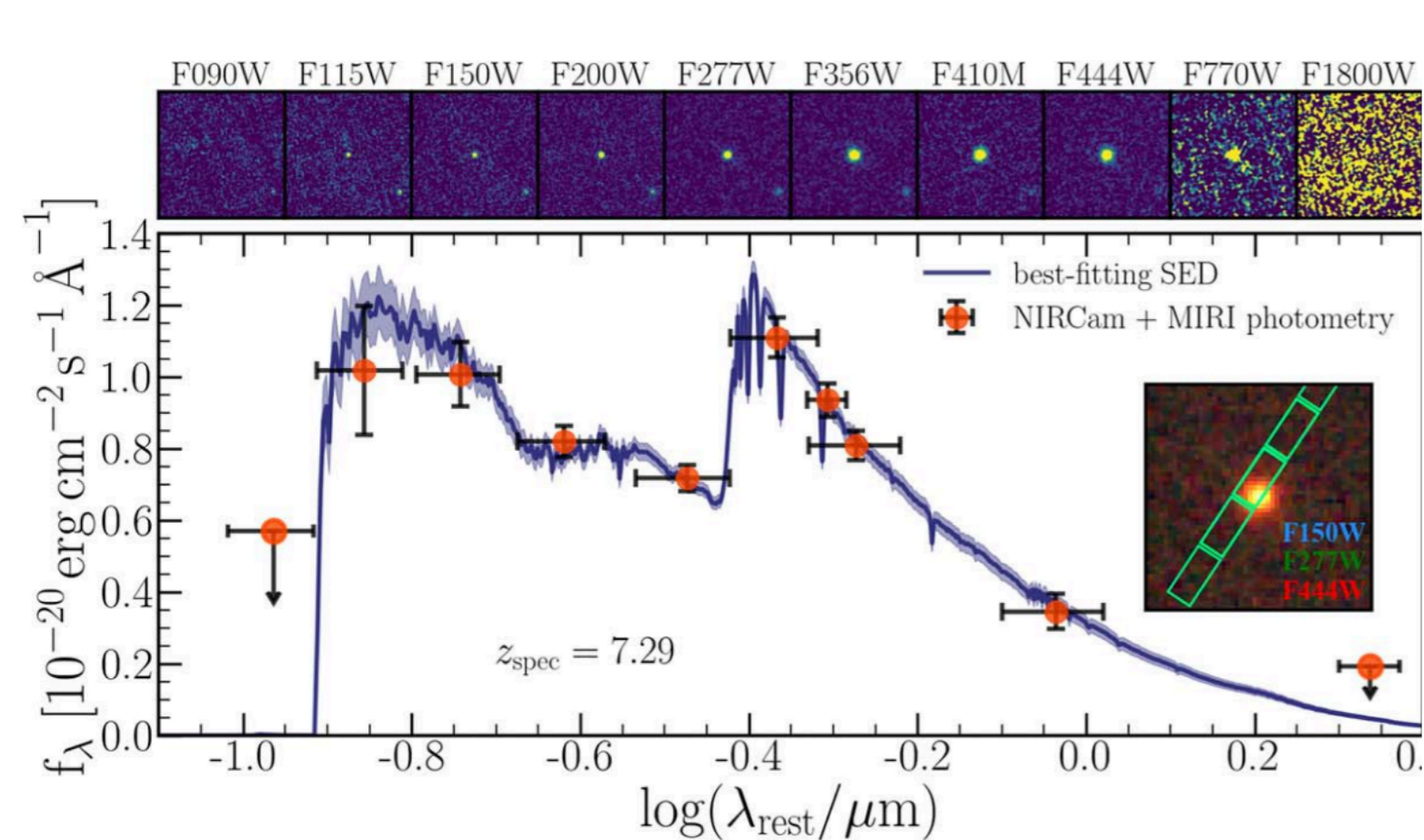
Redshift

8

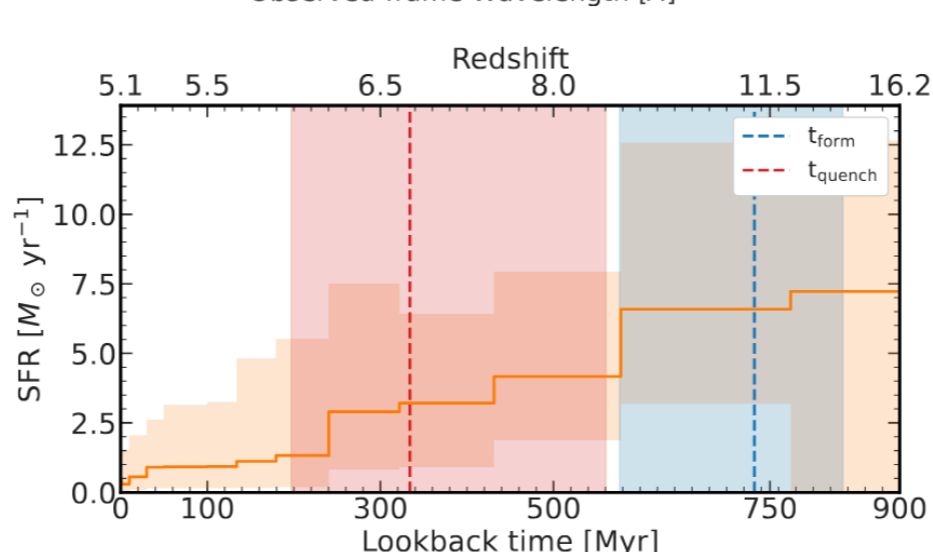
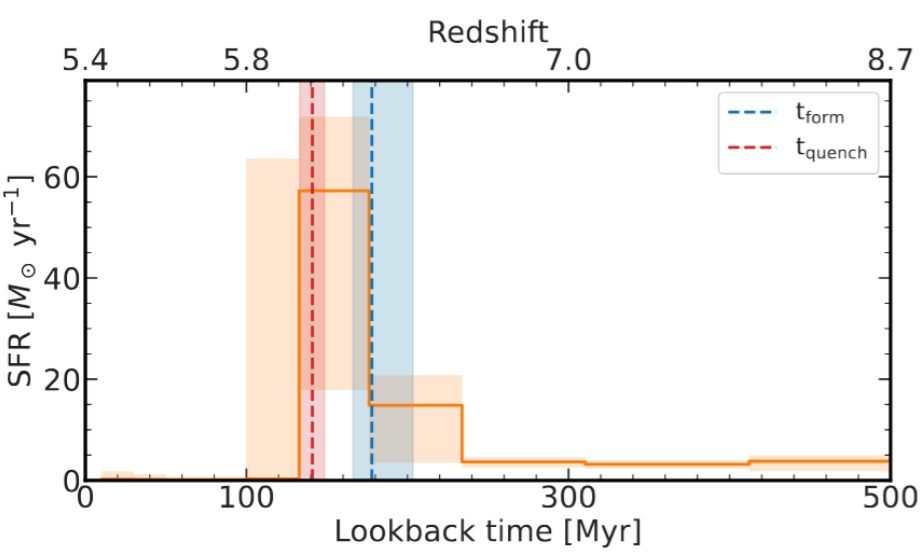
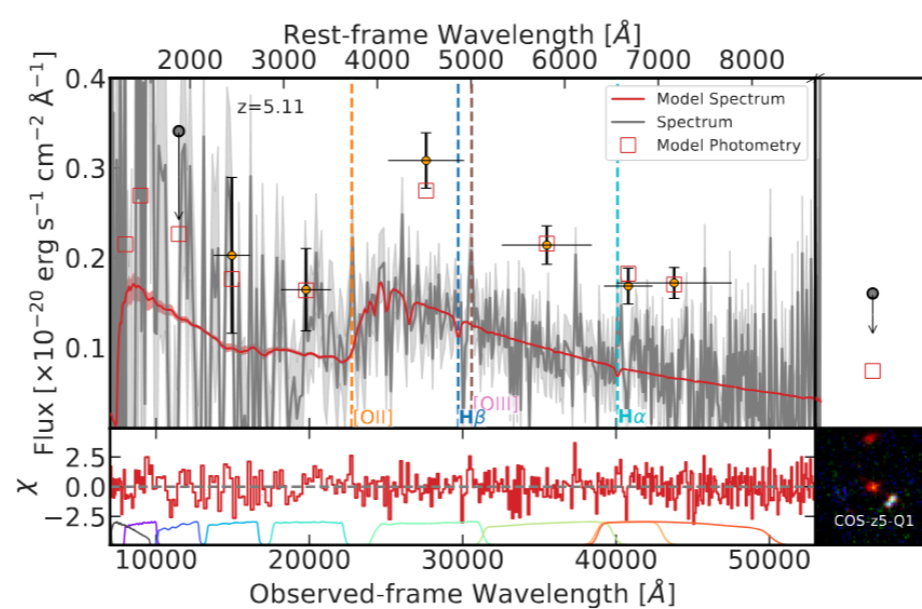
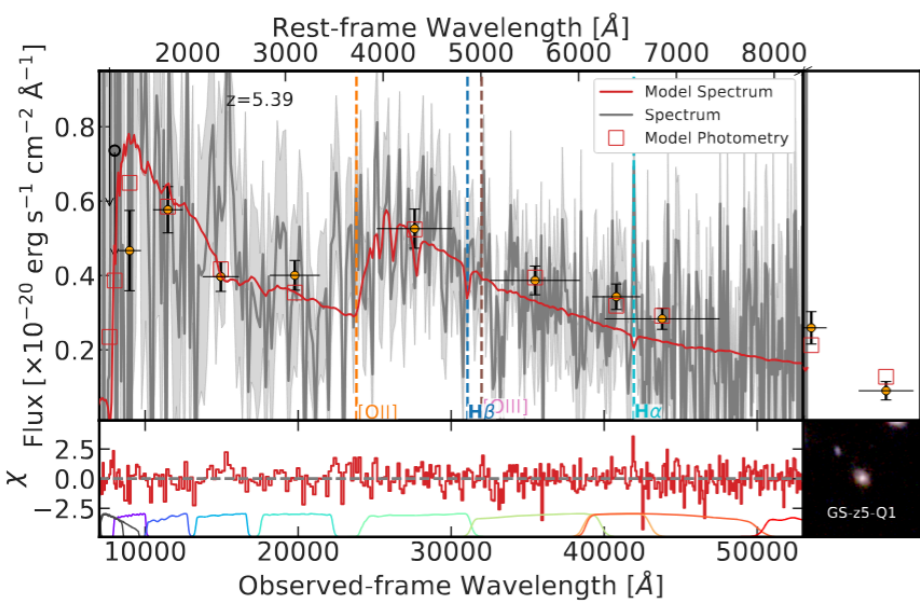
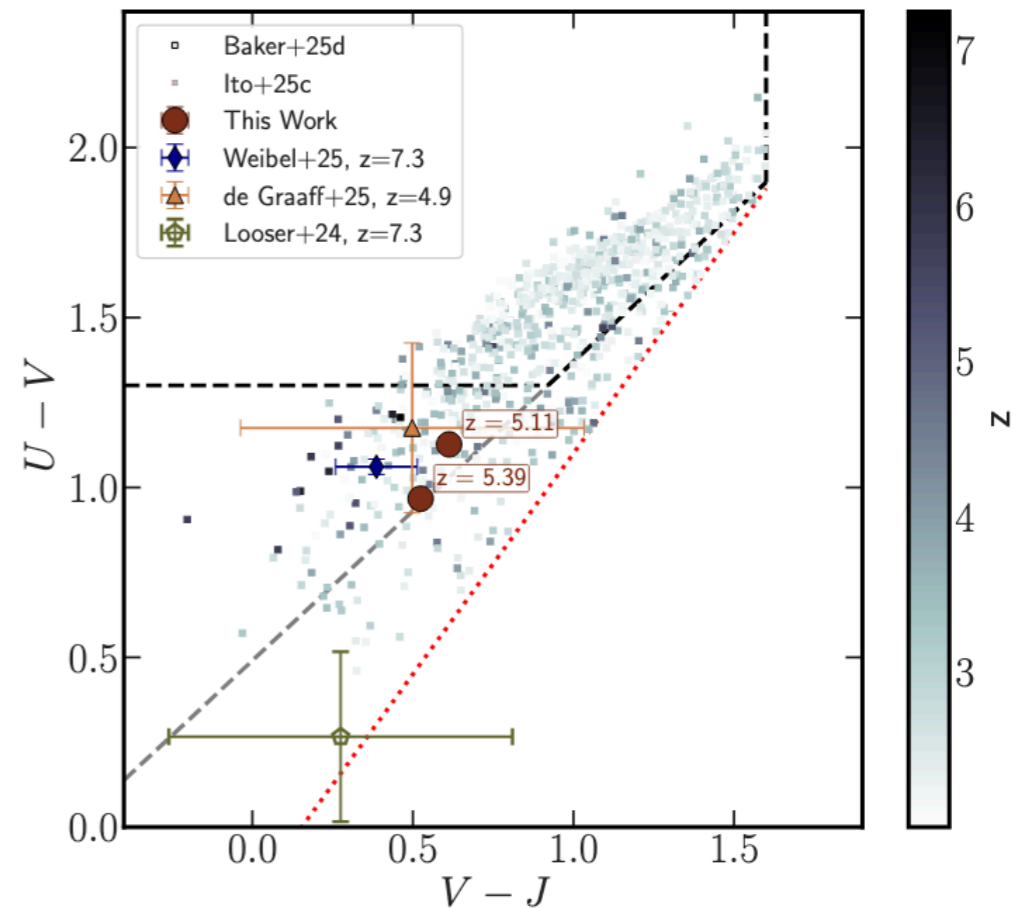
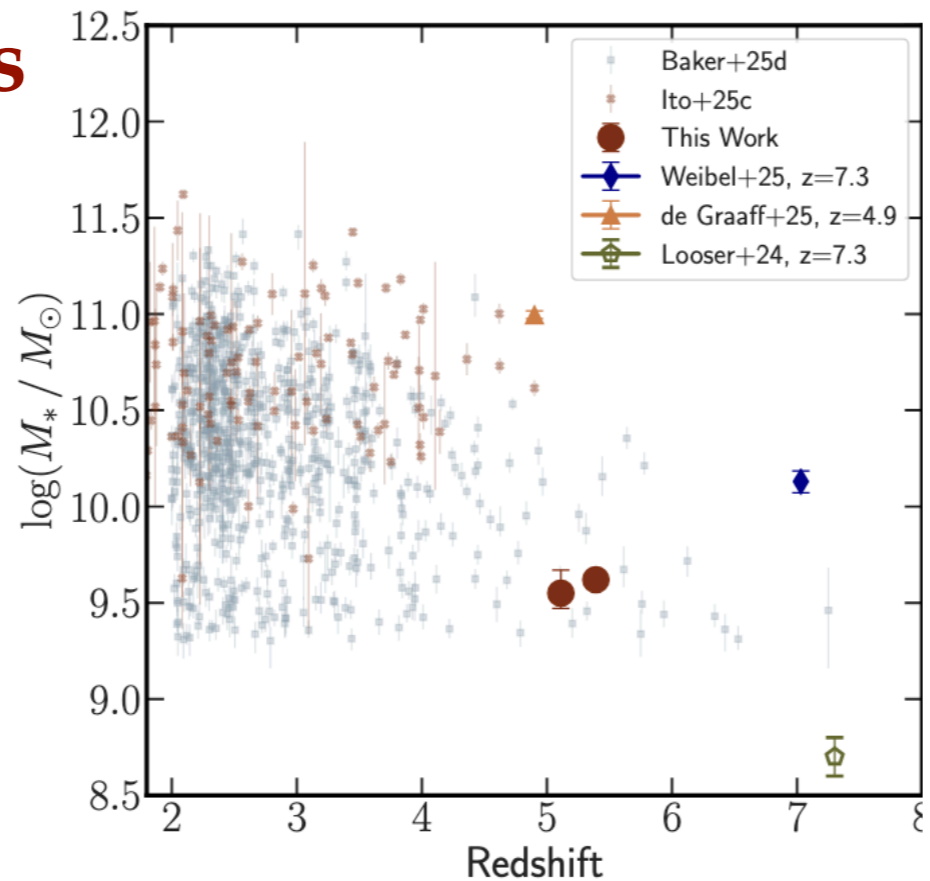
# Very early galaxies



# Very early galaxies



# Very early galaxies



Baker et al. 2026