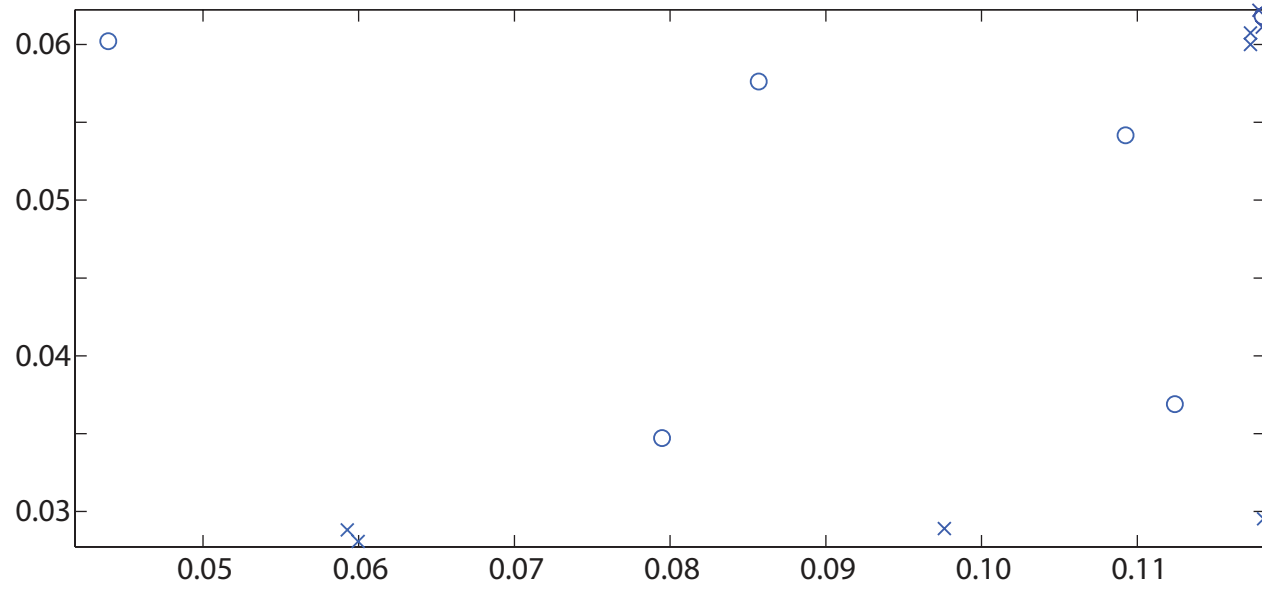


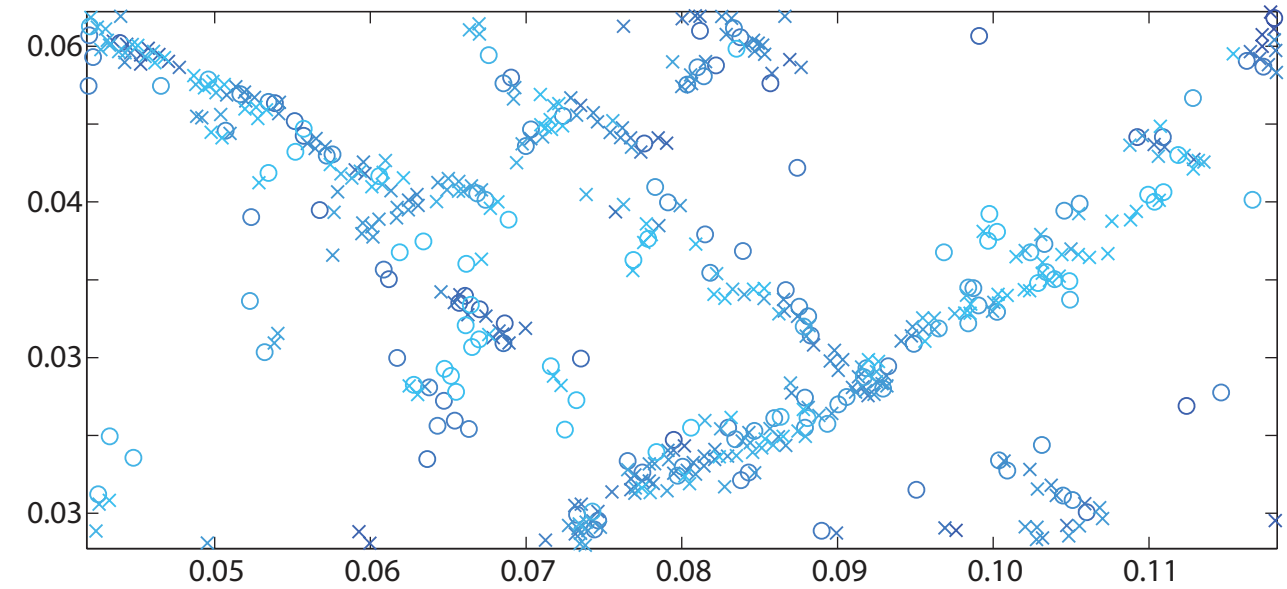
1. Initiation

Axial Strain: 0.022



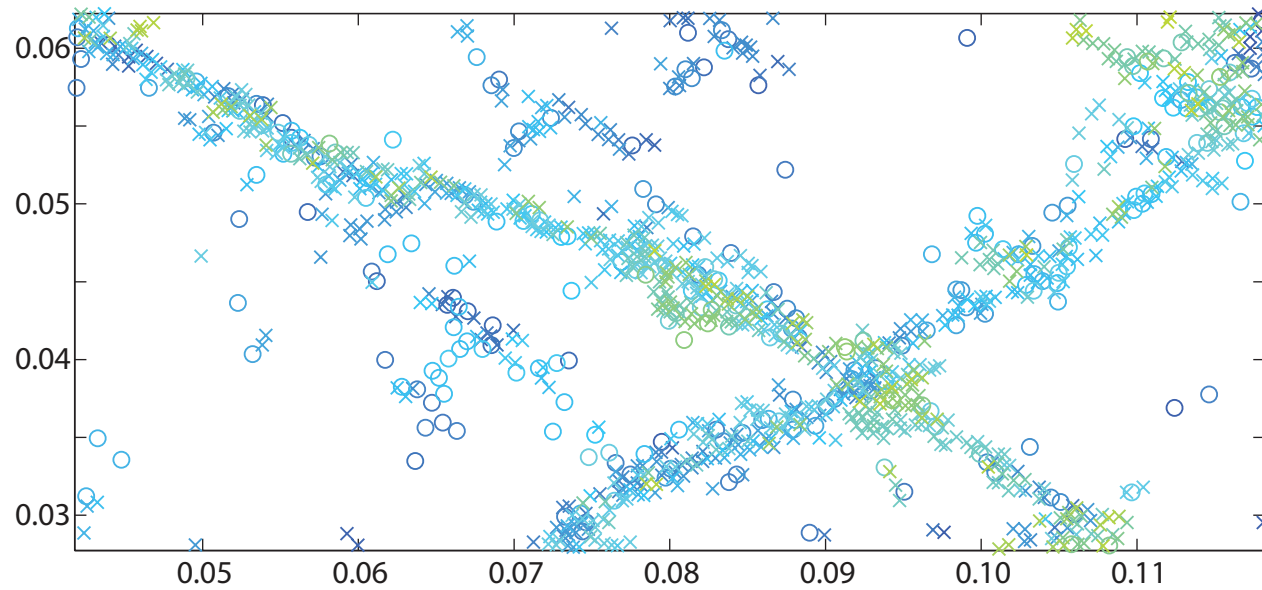
2. Nucleation

Axial Strain: 0.031



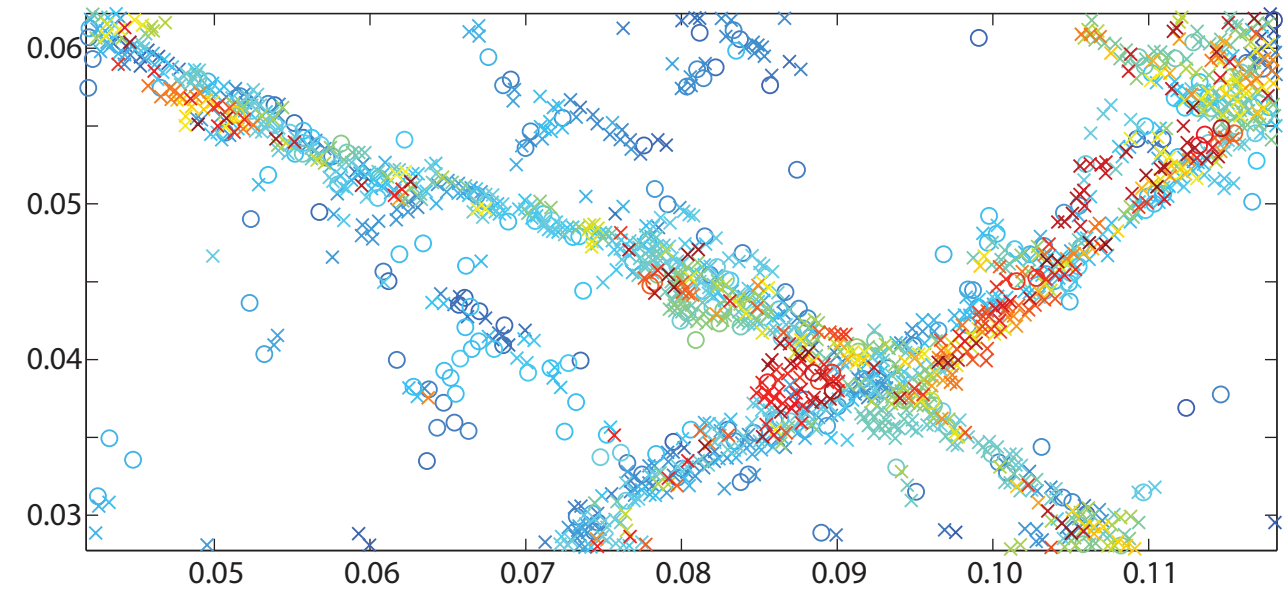
3. Rupture

Axial Strain: 0.056

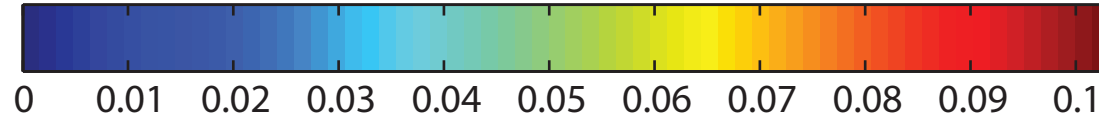


4. Frictional Sliding

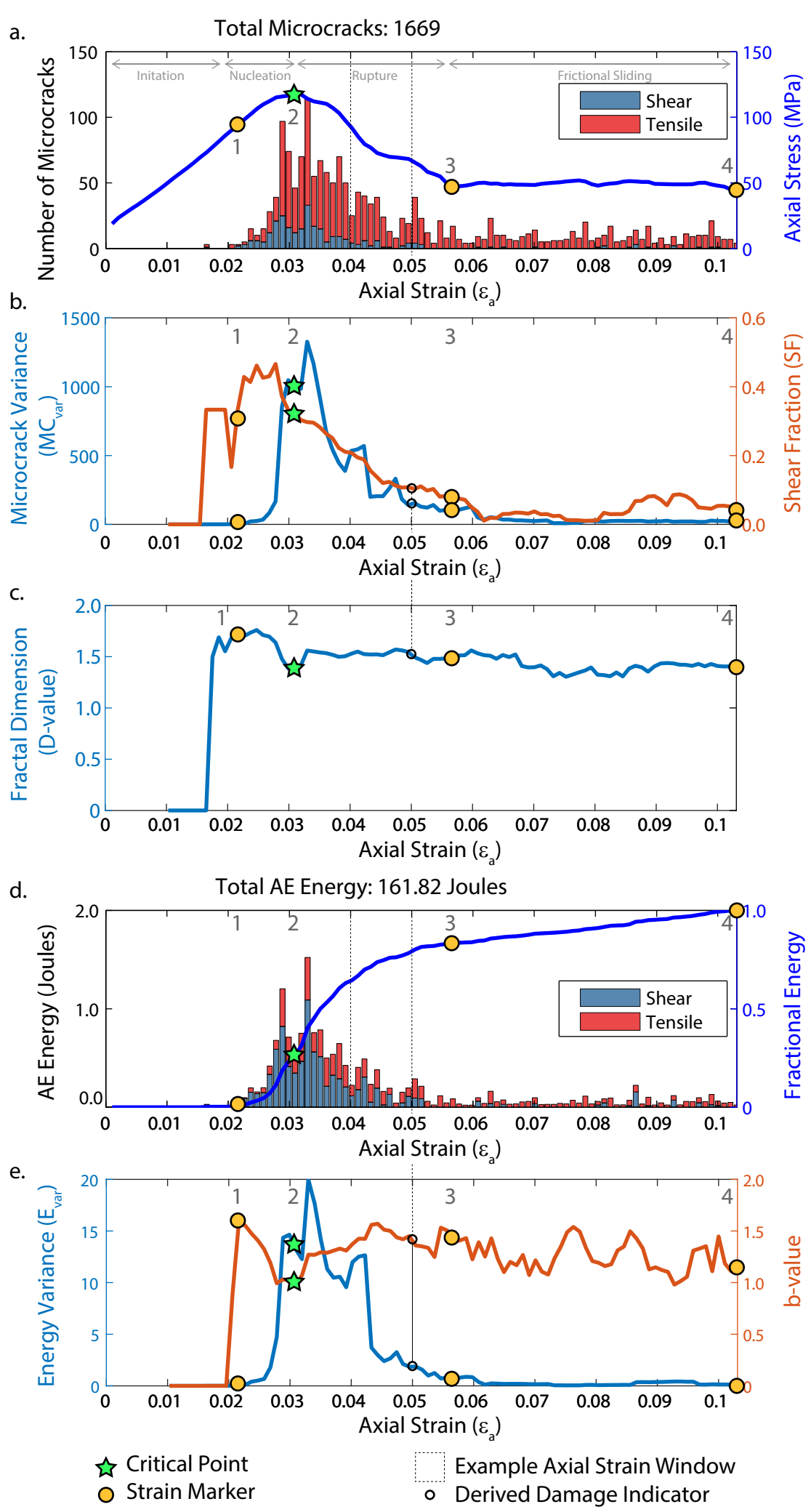
Axial Strain: 0.103

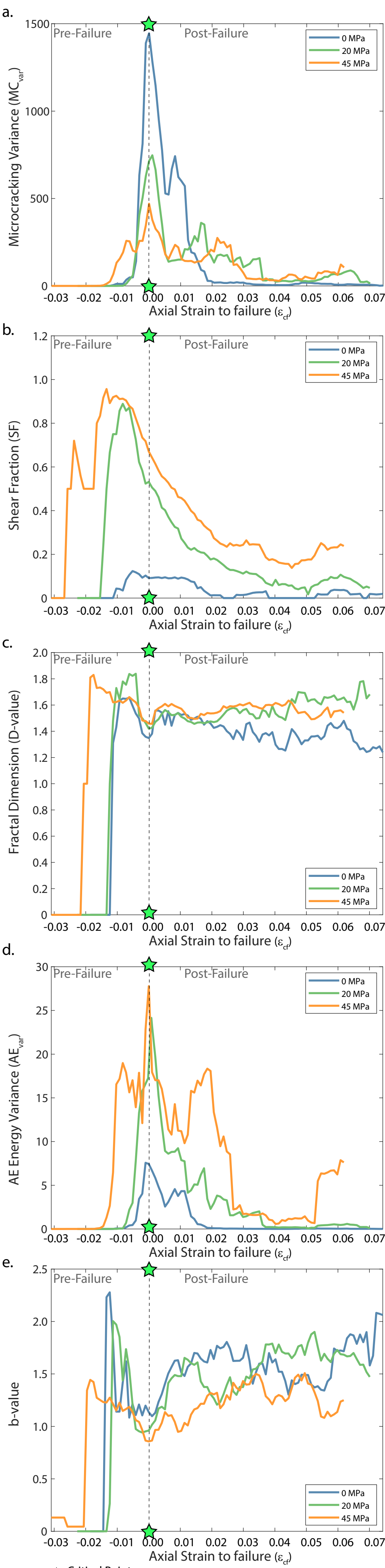


× Tensile
○ Shear

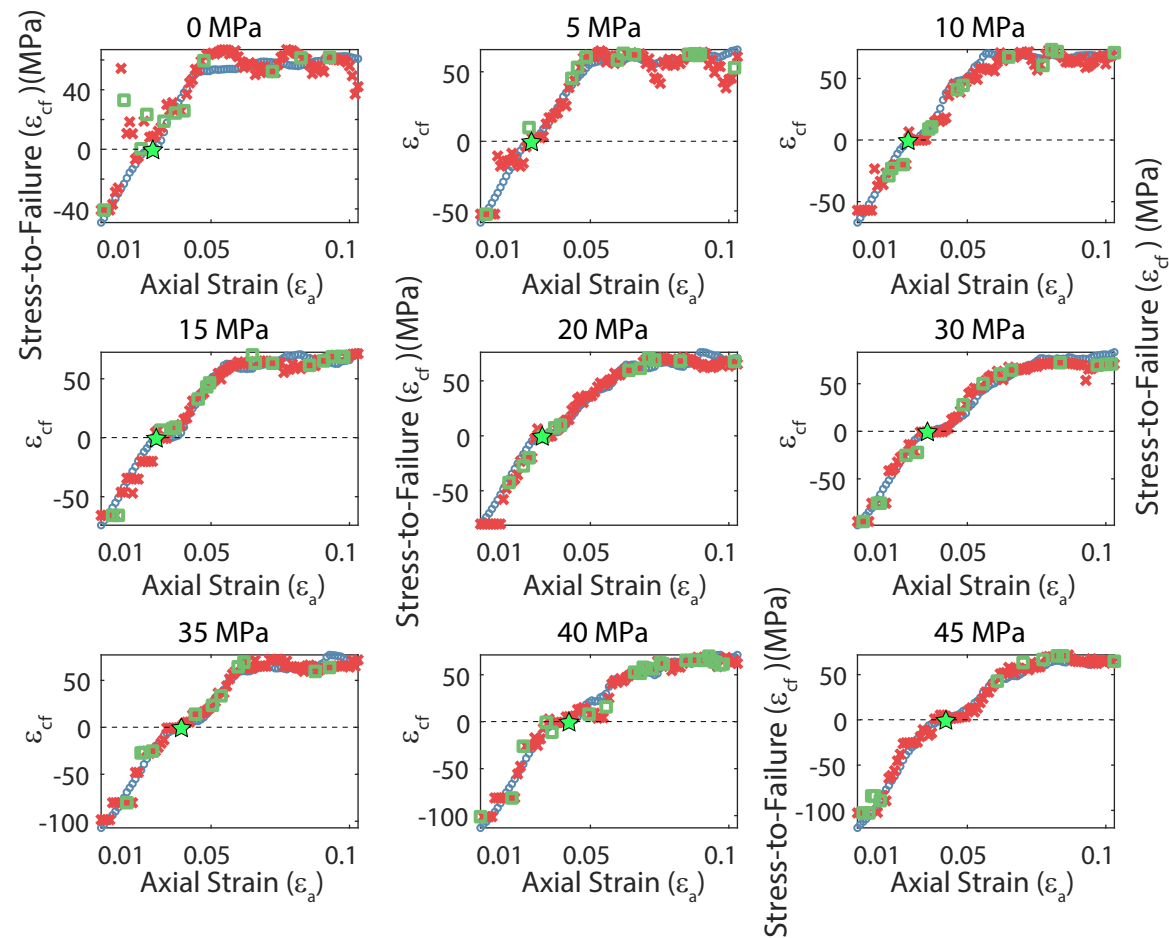


Axial Strain

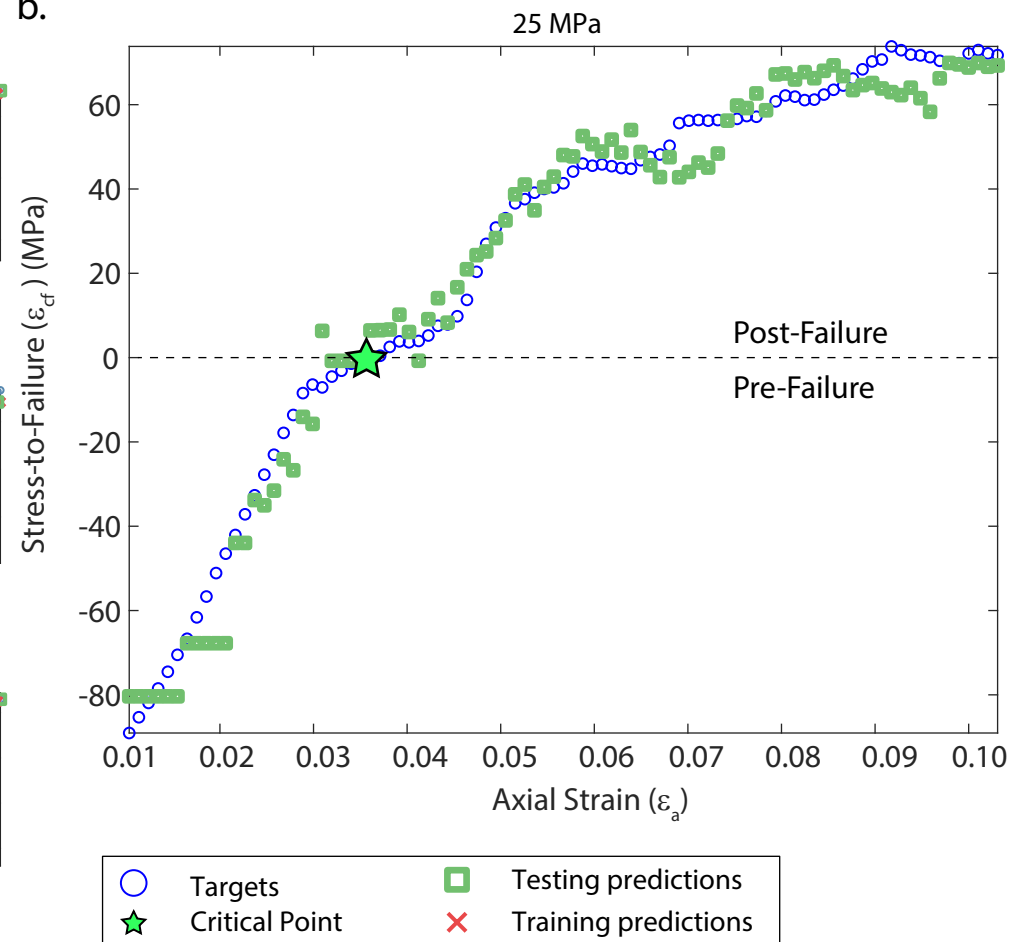




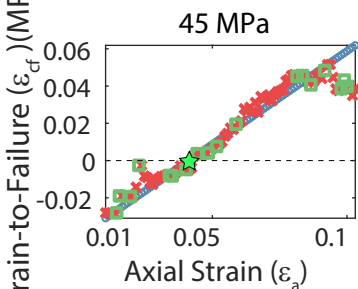
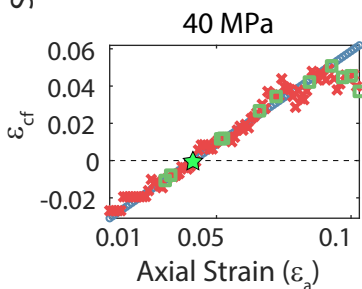
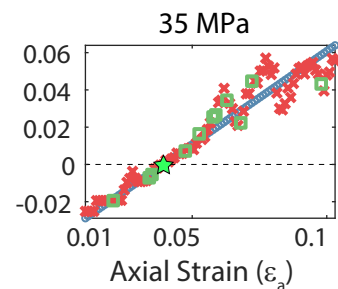
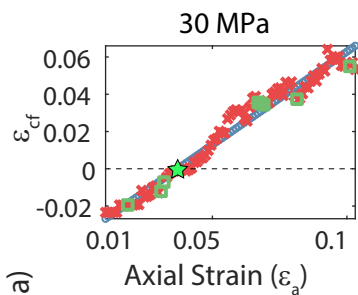
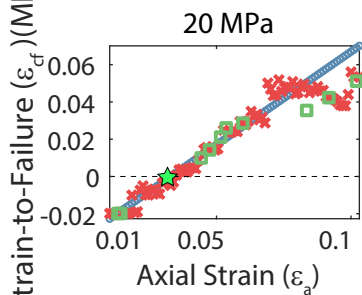
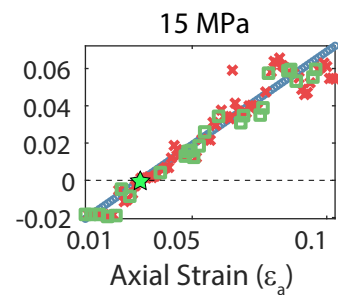
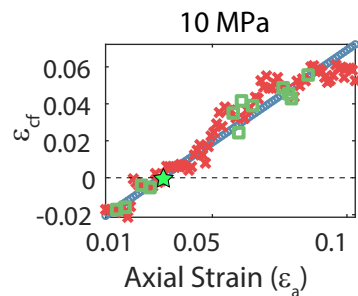
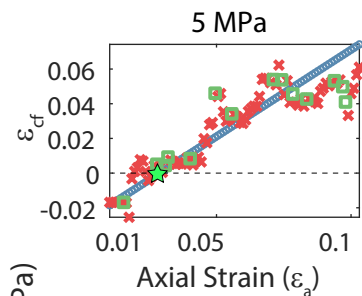
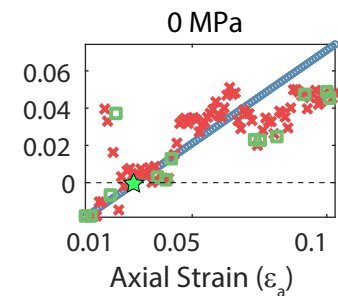
a.



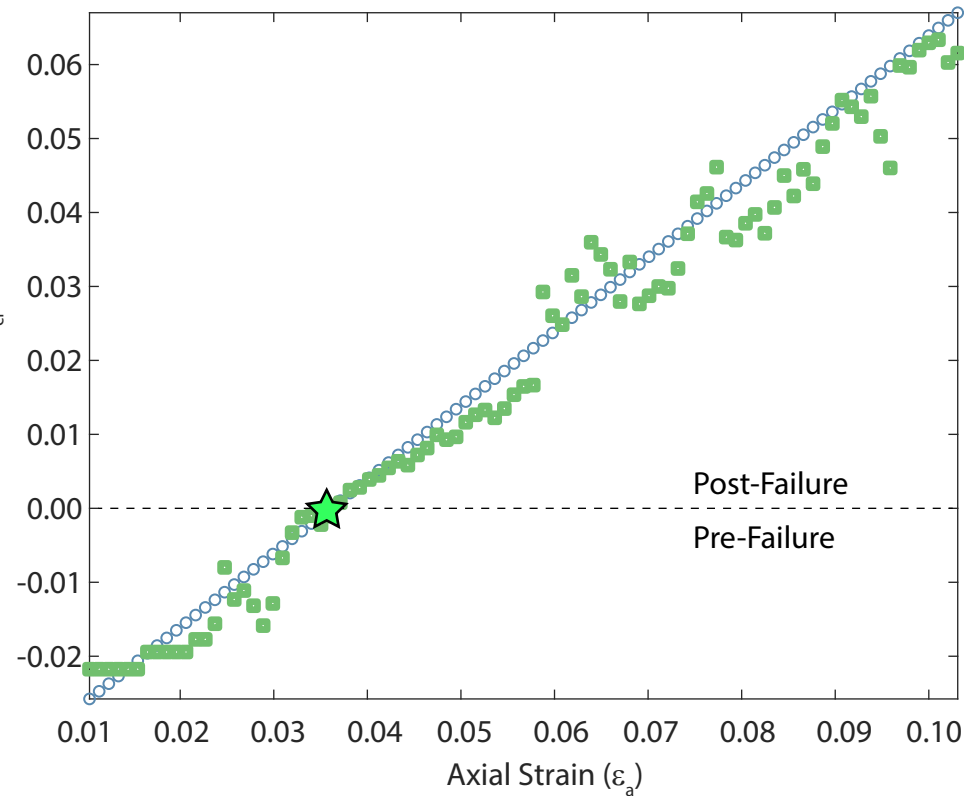
b.



a.

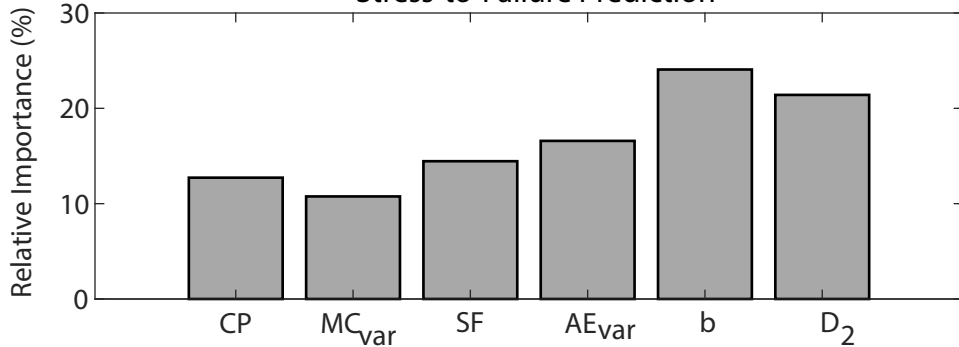
Strain-to-Failure (ϵ_{cf})(MPa) ϵ_{cf} 

b.

Strain-to-Failure (ϵ_{cf}) (MPa)

a.

Stress-to-Failure Prediction



b.

Strain-to-Failure Prediction

