a

![Image of gel with bands labeled p, em, p, em, p, em, ref at growth times 118h, 143h, 160h]

- AmyΔCt - BlaM (80.0 KDa)
- AmyΔCt (49.0 KDa)

b

Graph showing:
- Growth profile
- Amylase activity
- Lactamase activity

Log OD₆₀₀ vs Growth time (hours)

Catalytic activity (U/OD) vs Growth time (hours)