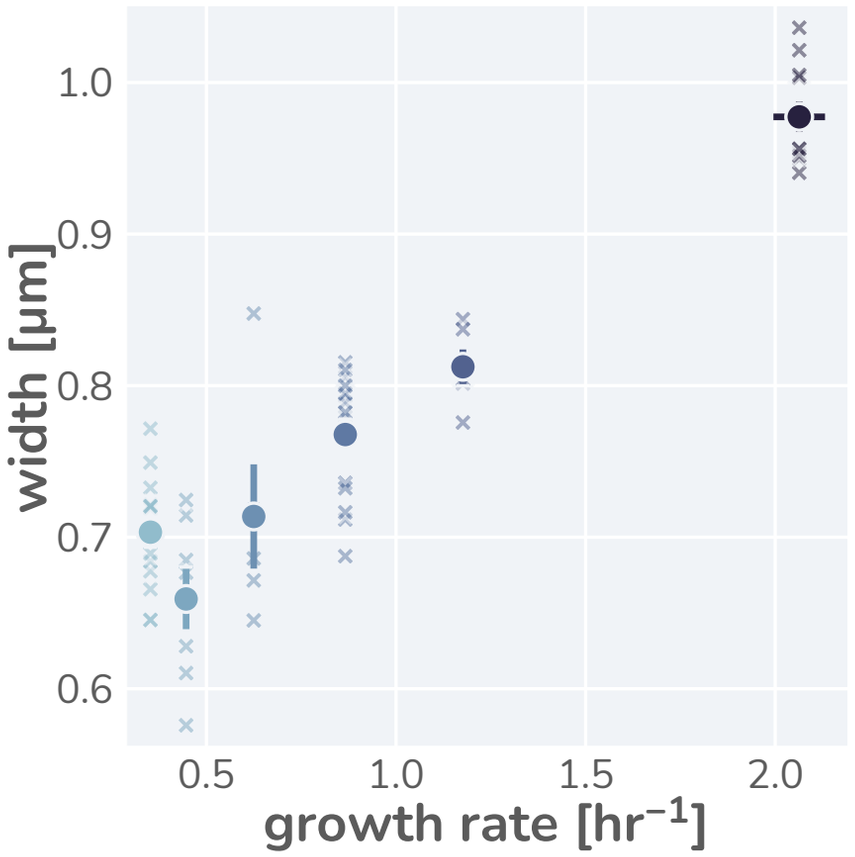
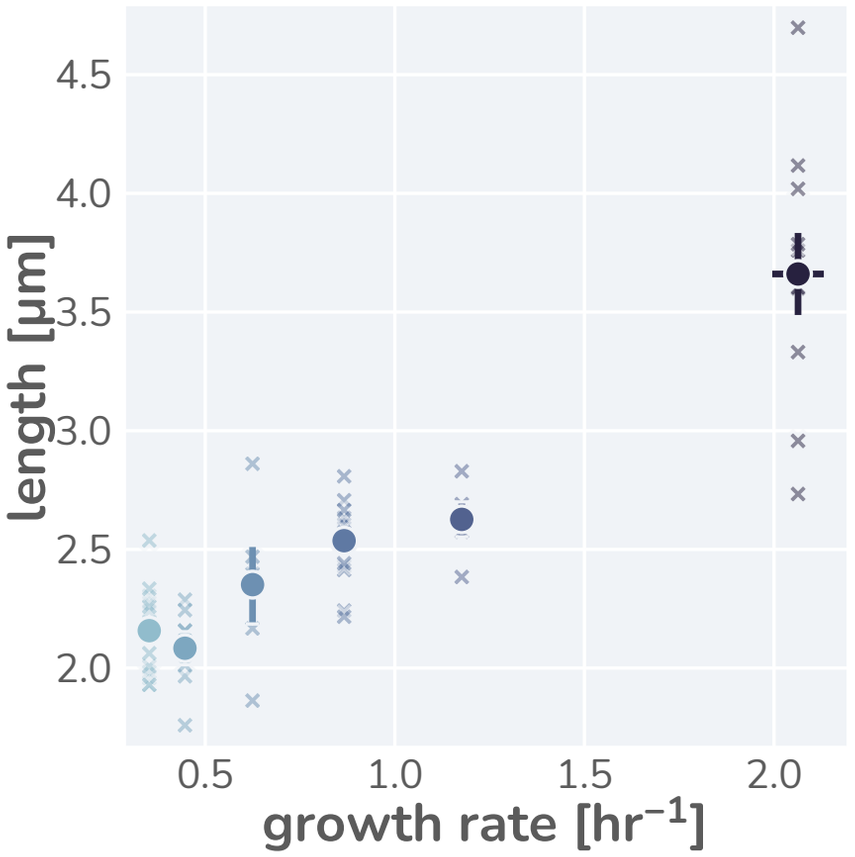
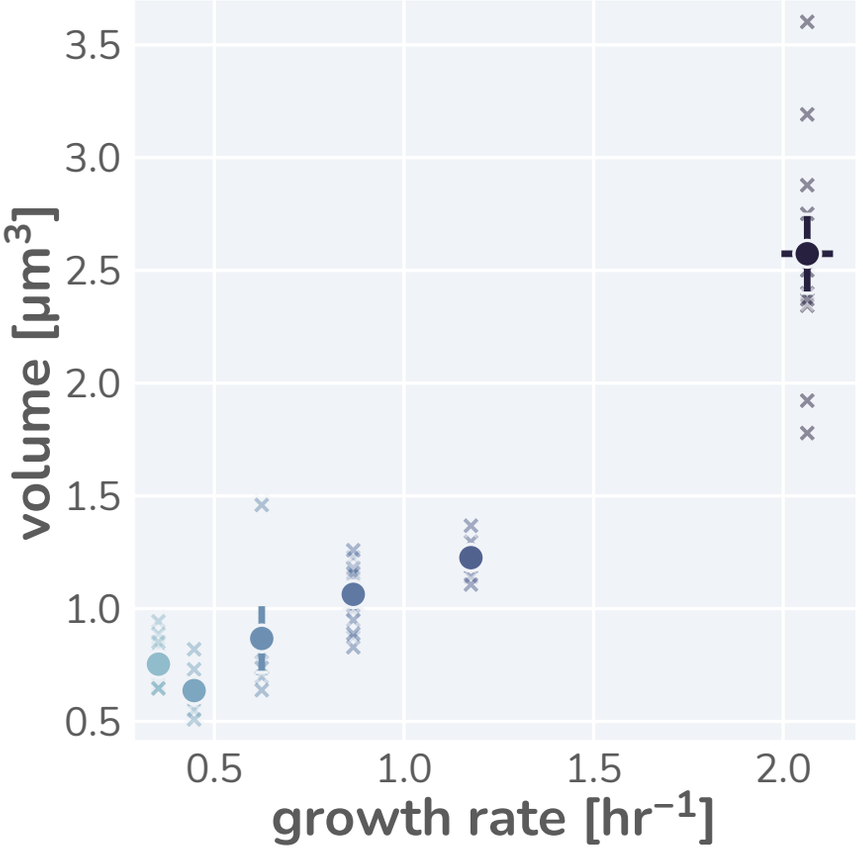
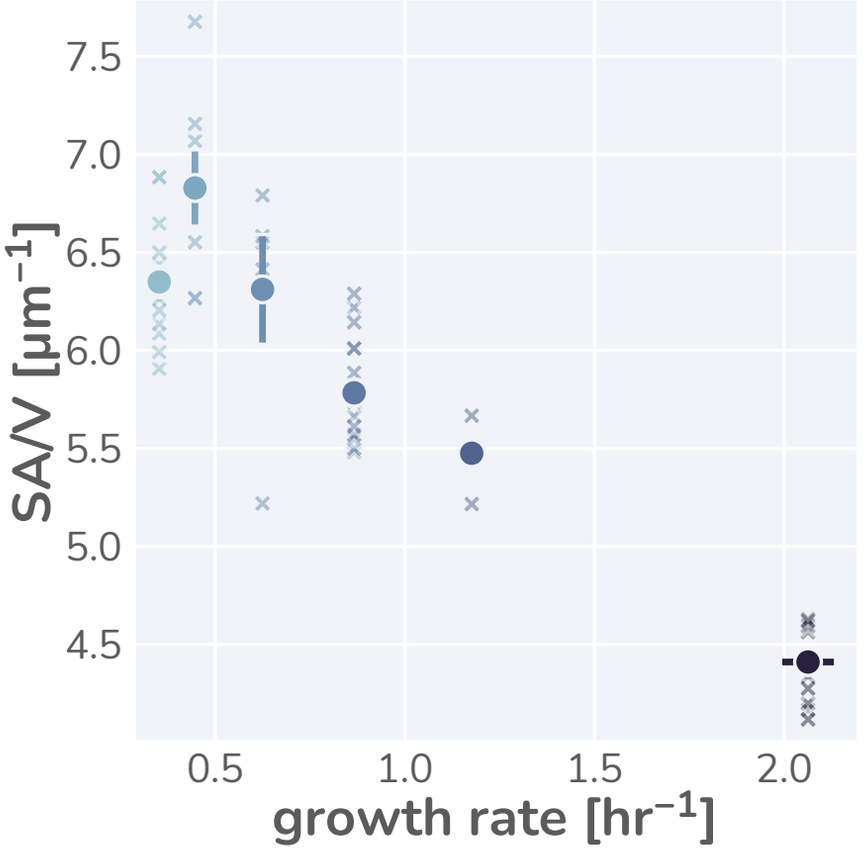
cell dimension measurements (mean ± sem)

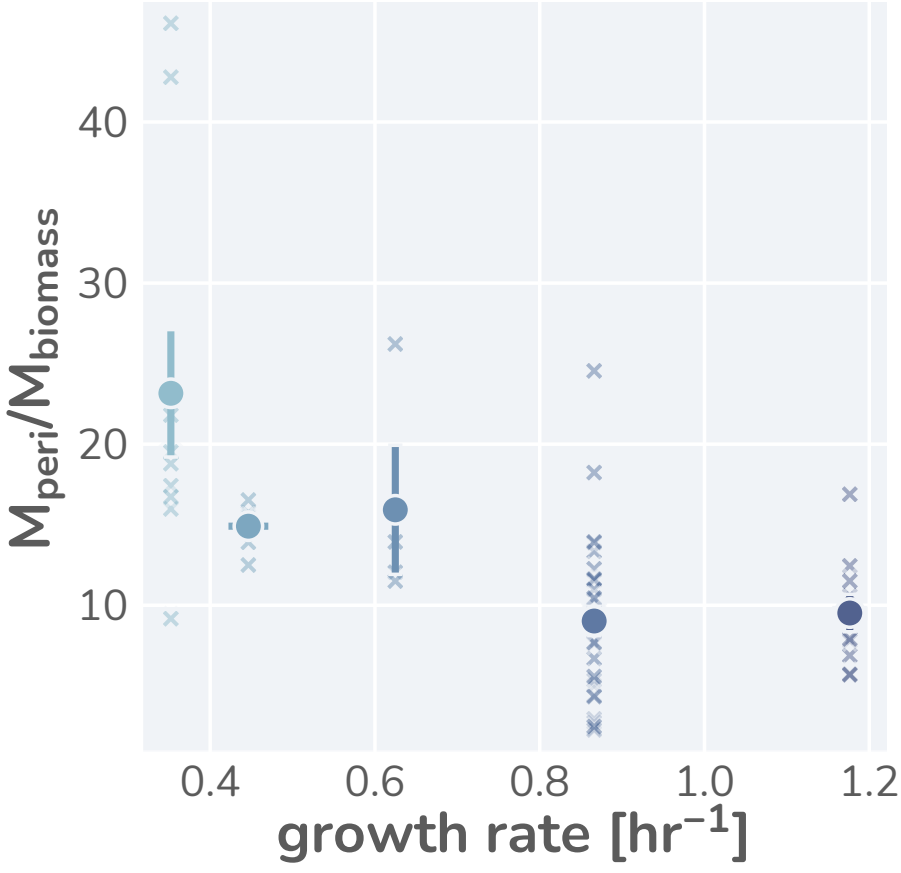


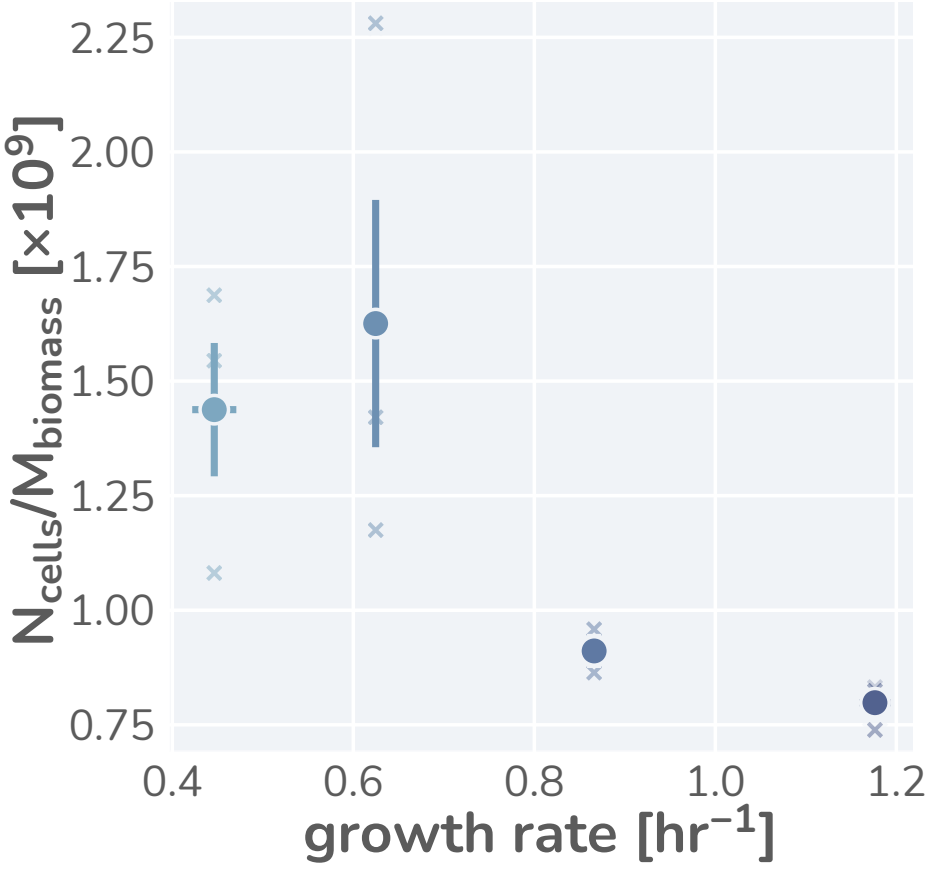


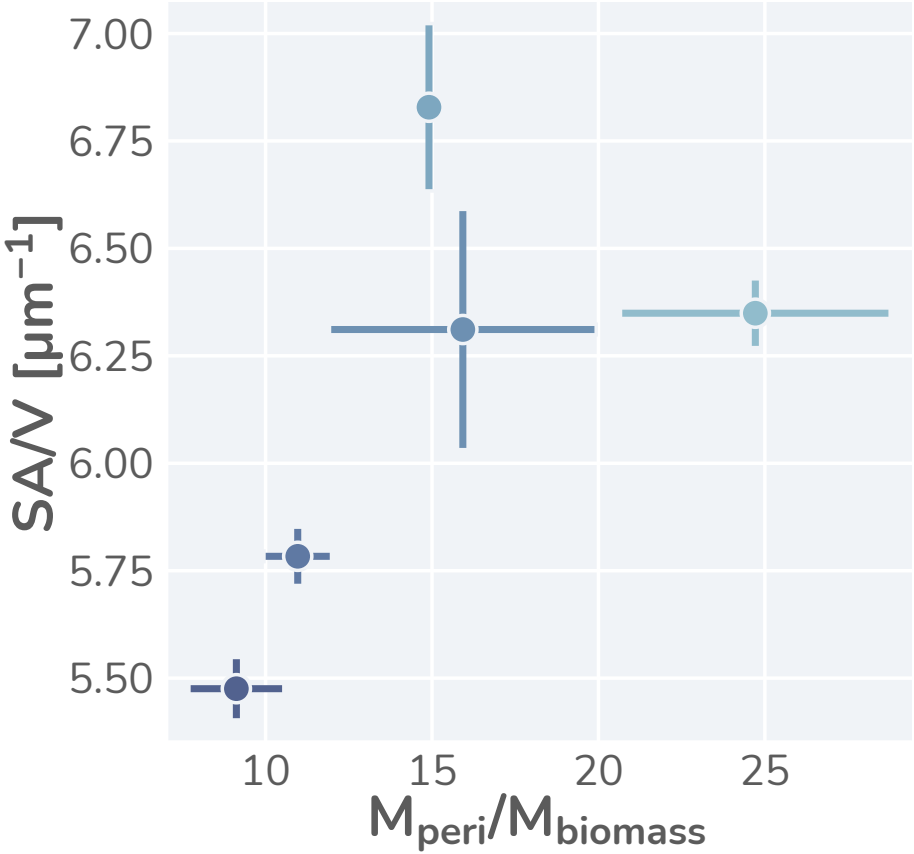


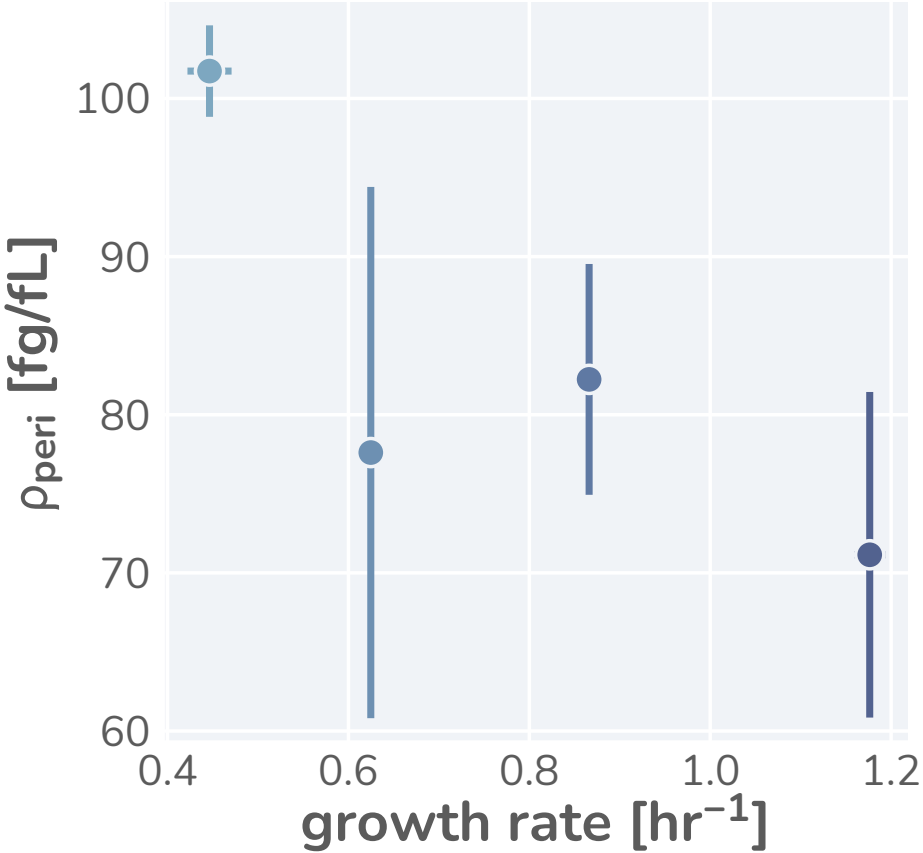
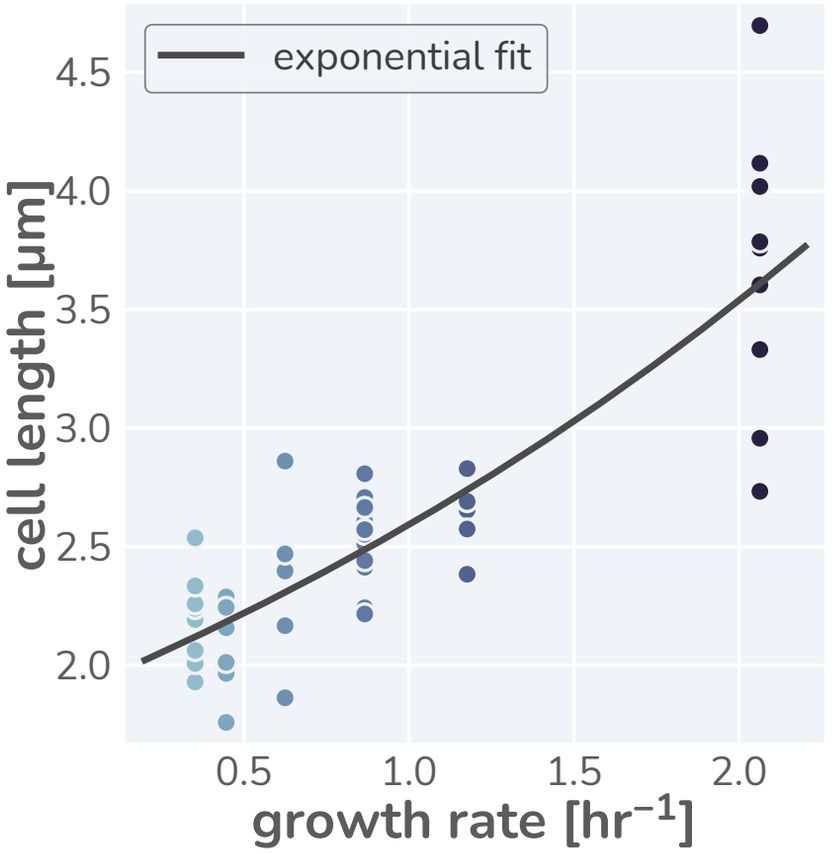
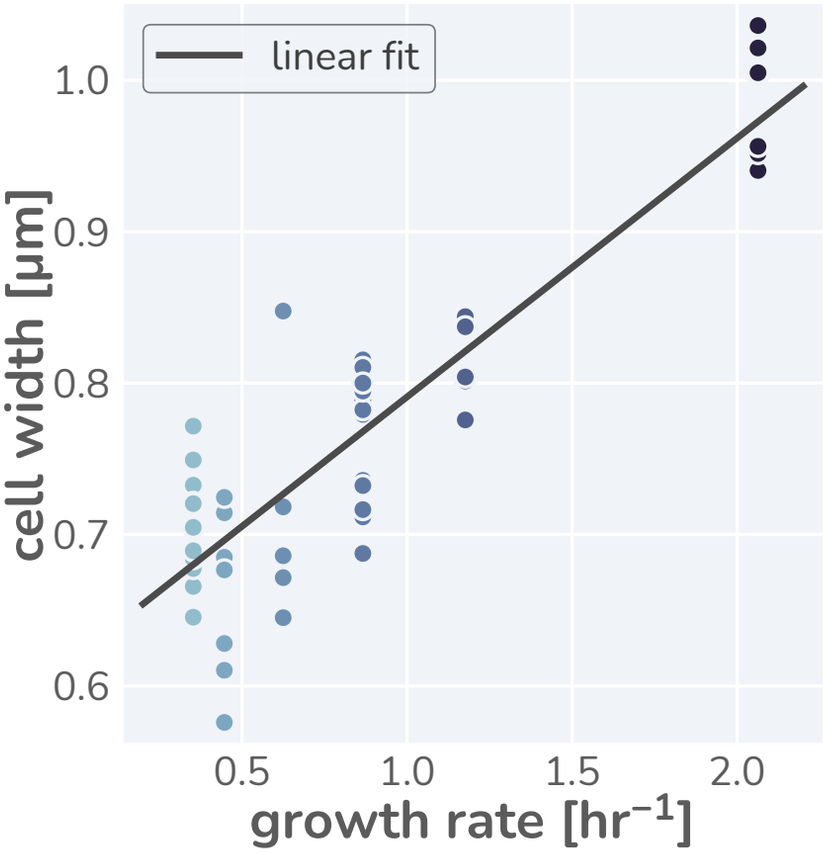
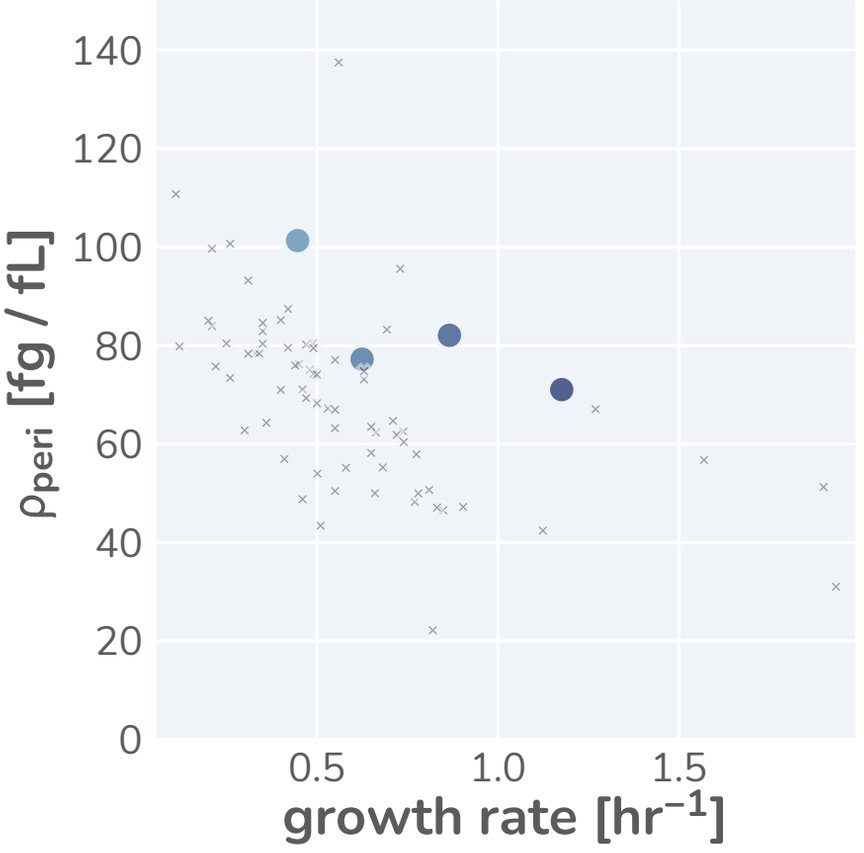
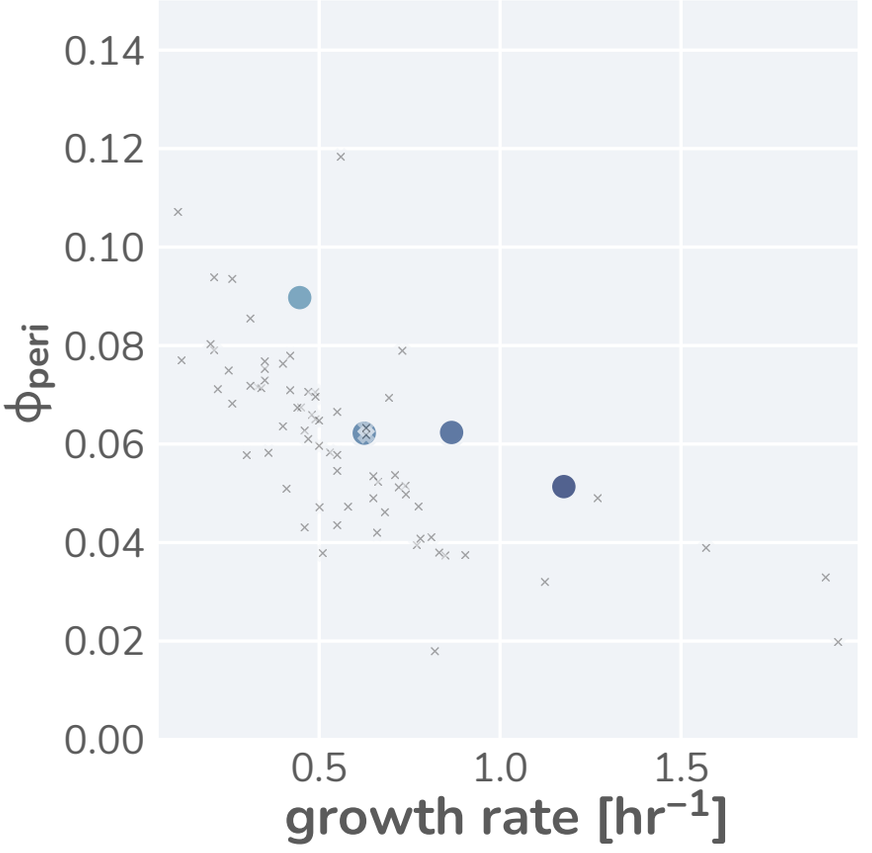


periplasmic protein & cell counts (mean ± sem)






7.00
6.75
6.50
6.25
6.00
5.75
5.50
SA/V [μm⁻¹]
10
15
20
25
Mperi/Mbiomass


100
90
80
70
60
ρperi [fg/fL]
0.4
0.6
0.8
1.0
1.2
growth rate [hr⁻¹]

comparison with mass spec data