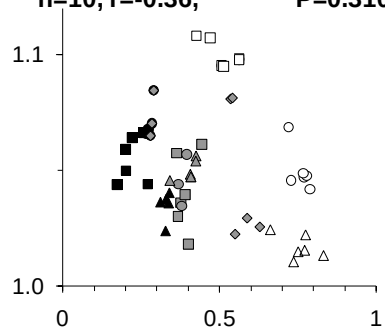


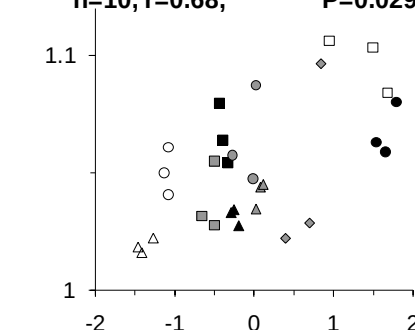
Aggregation index g

A $n=55$, $r=-0.20$, $s=16\%$, $P<0.001$
 $n=10$, $r=-0.36$, $P=0.310$



Short-distance dispersal

B $n=30$, $r=0.36$, $s=49\%$, $P<0.001$
 $n=10$, $r=0.68$, $P=0.029$

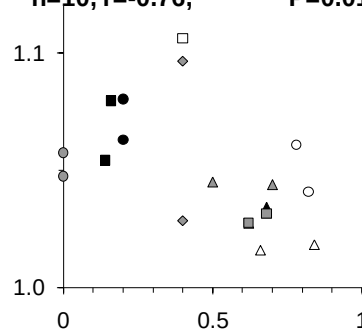


Every cell
elongates
similarly and for
a long time

PC2_s

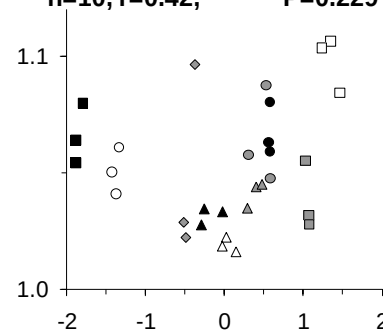
Some cells
become
disperser
morphs

C $n=19$, $r=-0.36$, $s=18\%$, $P<0.001$
 $n=10$, $r=-0.76$, $P=0.011$



Colonisation probability

D $n=30$, $r=0.20$, $s=9\%$, $P<0.001$
 $n=10$, $r=0.42$, $P=0.229$

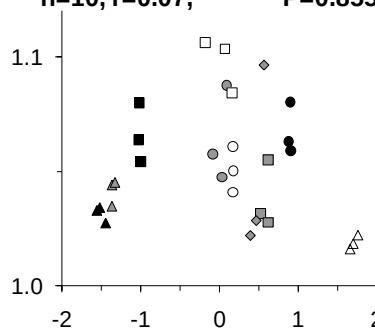


big round
cells

PC1_G

small
elongated
cells

E $n=30$, $r=-0.18$, $s=7\%$, $P=0.016$
 $n=10$, $r=0.07$, $P=0.855$

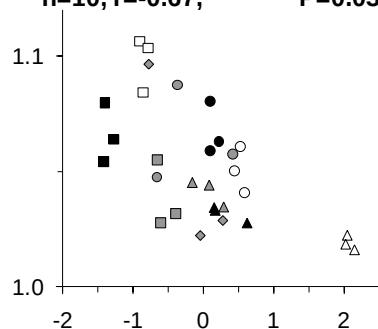


lower survival
and elongation
abilities

PC1_s

higher survival
and elongation
abilities

F $n=30$, $r=-0.33$, $s=42\%$, $P<0.001$
 $n=10$, $r=-0.67$, $P=0.033$

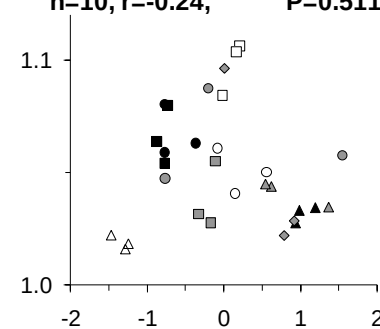


less
performant
growth

PC3_G

more
performant
growth

G $n=30$, $r=0.01$, $s=1\%$, $P=1.000$
 $n=10$, $r=-0.24$, $P=0.511$



K strategy:
slow growth,
high density

PC2_G

r strategy:
rapid growth,
low density

