

 Meristemoid

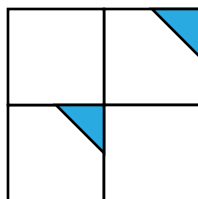
 Stomate

The stomatal developmental function is fixed

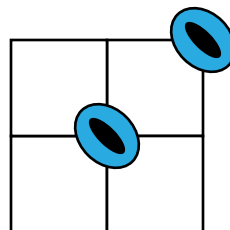
Epidermal cell size diverges between Species A and B due to meristematic cell volume and/or expansion

Developmental integration of stomatal size and density

Stomatal size and density diverge in concert

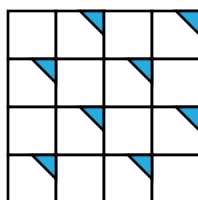


Species A

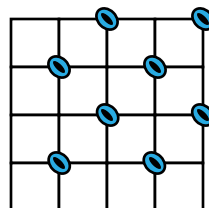


↓ density

↑ size



Species B



↑ density

↓ size

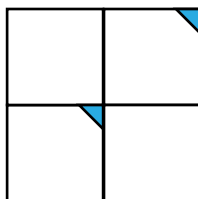
Developmental disintegration of stomatal size and density

Stomatal size and density diverge independently

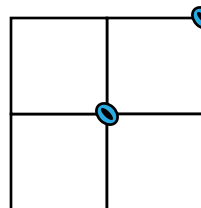
The stomatal developmental function is not fixed

Compared to A, Species C diverges in asymmetric cell division, causing smaller stomata at equal density.

Compared to A, Species D diverges in stomatal index, causing greater density but no change in stomatal size

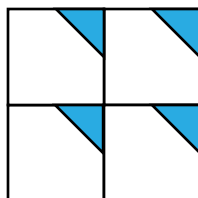


Species C

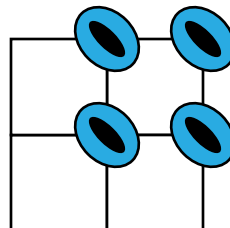


≈ density

↓ size



Species D



↑ density

≈ size