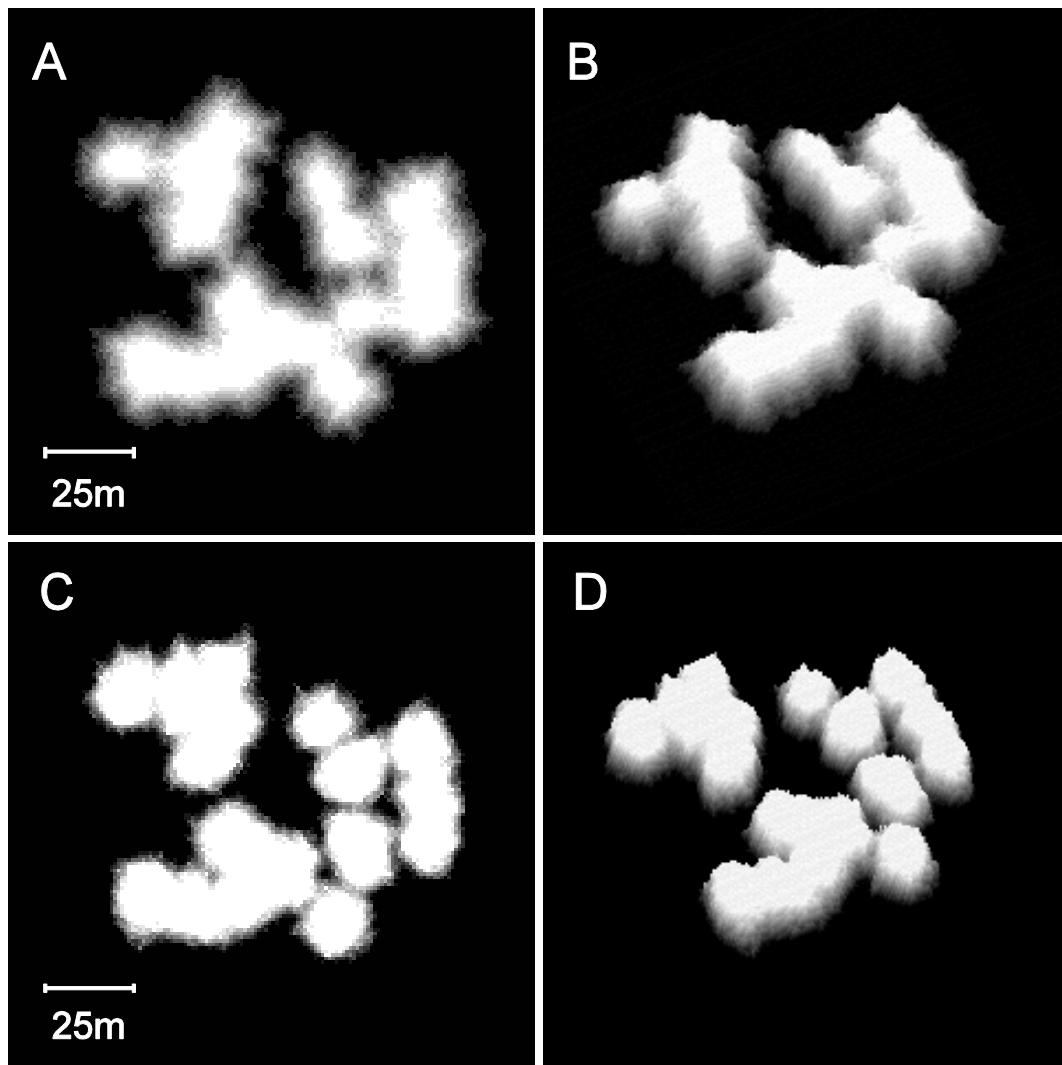
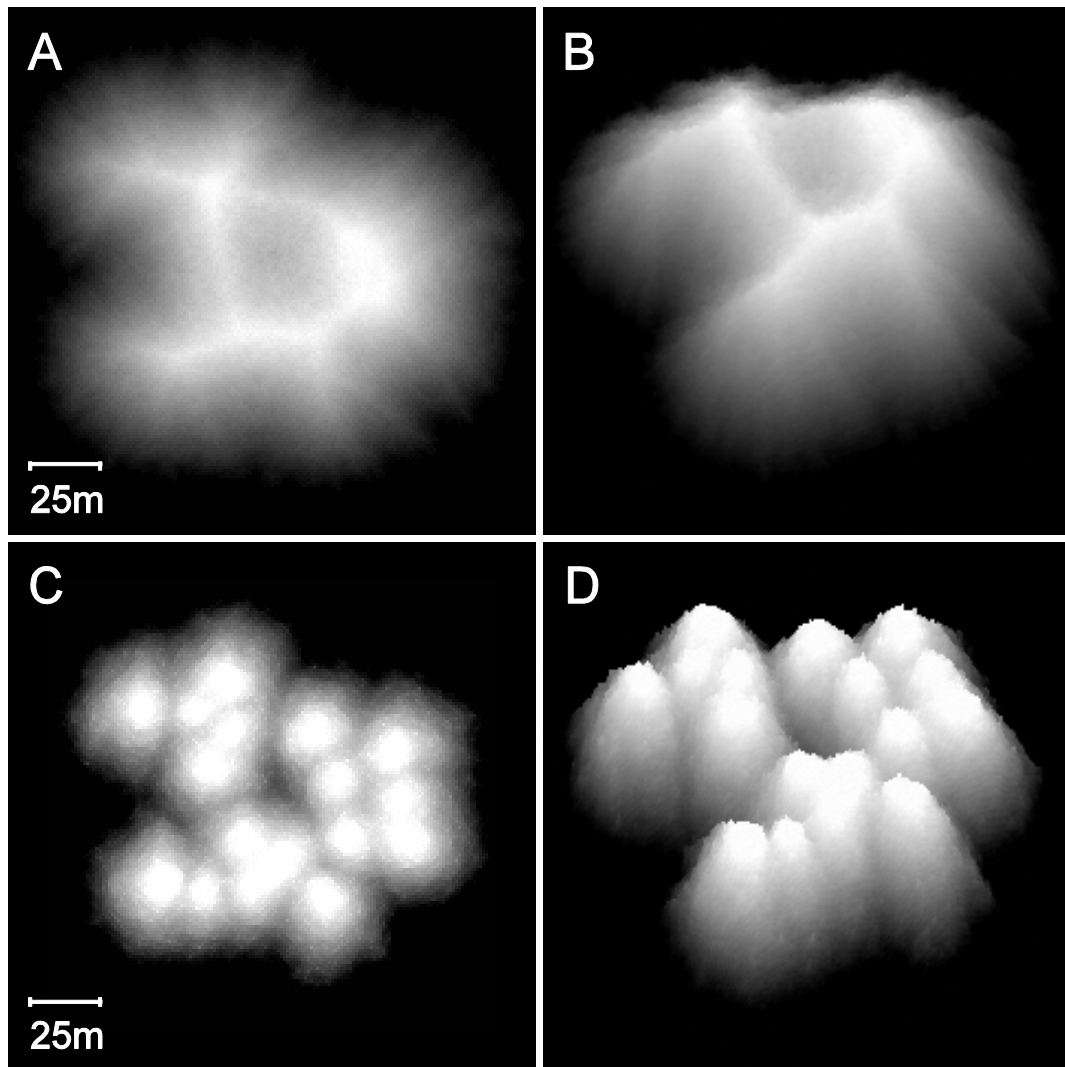


Supplemental Figure S1: Depth variations



Effect on model reef morphology of reducing water depth to 10m. **A)** Plan view of branching reef after 60 iterations. **B)** Oblique view. **C)** Plan view of massive reef after 50 iterations. **D)** Oblique view.



Effect on model reef morphology of increasing water depth to 50m. **A)** Plan view of branching reef after 150 iterations. **B)** Oblique view. **C)** Plan view of massive reef after 100 iterations. **D)** Oblique view.