**Supporting Information: Video\_B.2\_Metadata**

**Modelling interactive effects of biological and environmental factors on fine-scale coral settlement patterns**

**Journal name: Ecological Modelling**

Molly-Mae Baker\*1,2,3, Anna K. Cresswell2,3, James P. Gilmour2,3, Michael Renton1

1 School of Biological Sciences, University of Western Australia, Perth, WA, Australia, 6009

2Australian Institute of Marine Science, Perth, WA, Australia, 6009

3 Oceans Institute, University of Western Australia, Perth, WA, Australia, 6009

**Video B.2** Coral larval settlement in five example scenarios from the 28 scenarios simulated with the model. The left panel shows the spatial distribution of coral settlers (red) and unsettled coral larvae (black) within the 10 x 10 m reef area for one replicate of each scenario. Box plots show the density of coral larvae that settled on substrates with differing attractiveness in the reef area at the end of each simulation for five replicates of each scenario. \* indicates a significant difference in the density of coral settlers on substrates with a low, medium, and high attractiveness for settlement (Table A.2).