Title : **Genome-wide population structure of highly threatened coral species with unique disjunct distributions: genetic differentiation among peripheral populations**

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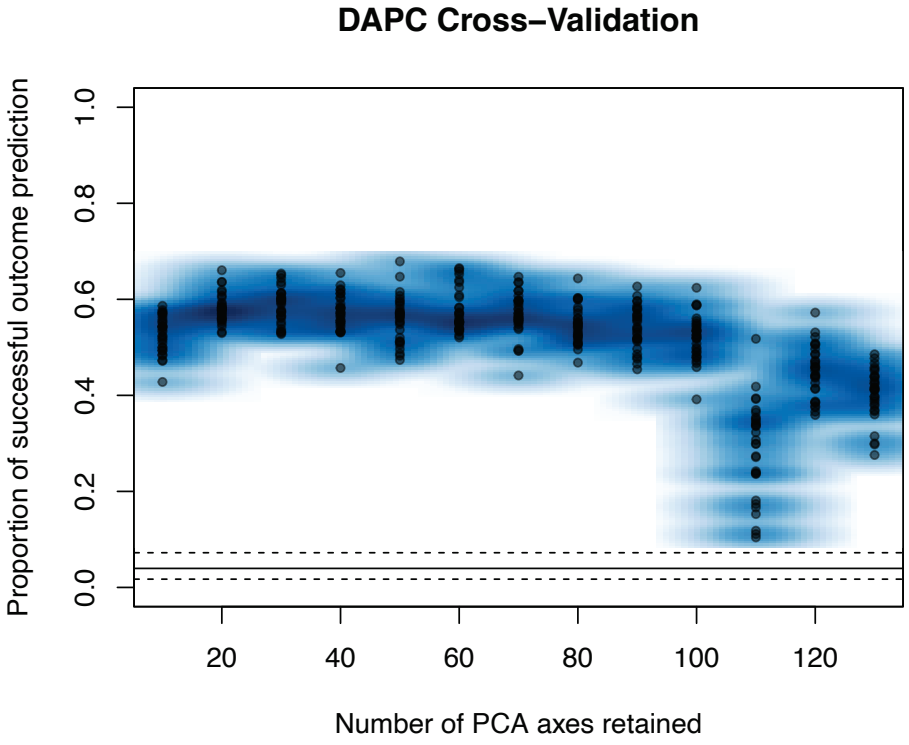
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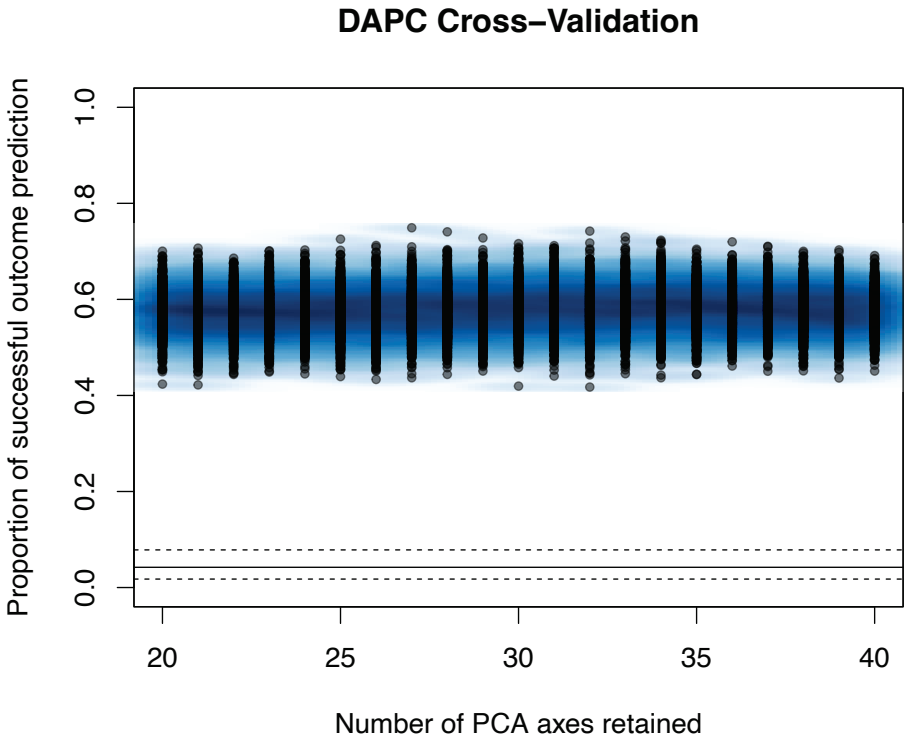
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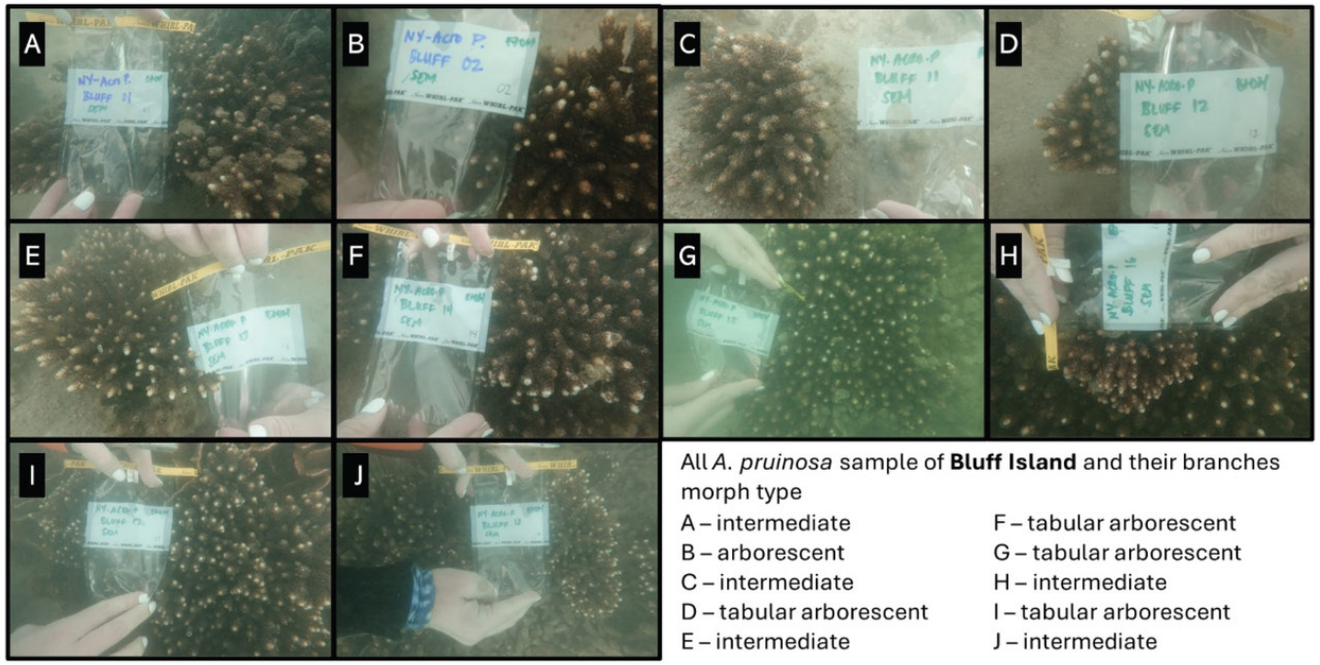
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Supplementary Figure 1. Cross-validation analysis used to determine the number of principal components (PCs) retained for DAPC. The highest mean success was achieved when 34 PCs were retained. The upper panel shows the preliminary analysis across a broad range of PC values, whereas the lower panel shows the refined analysis focused on the PC range of interest.



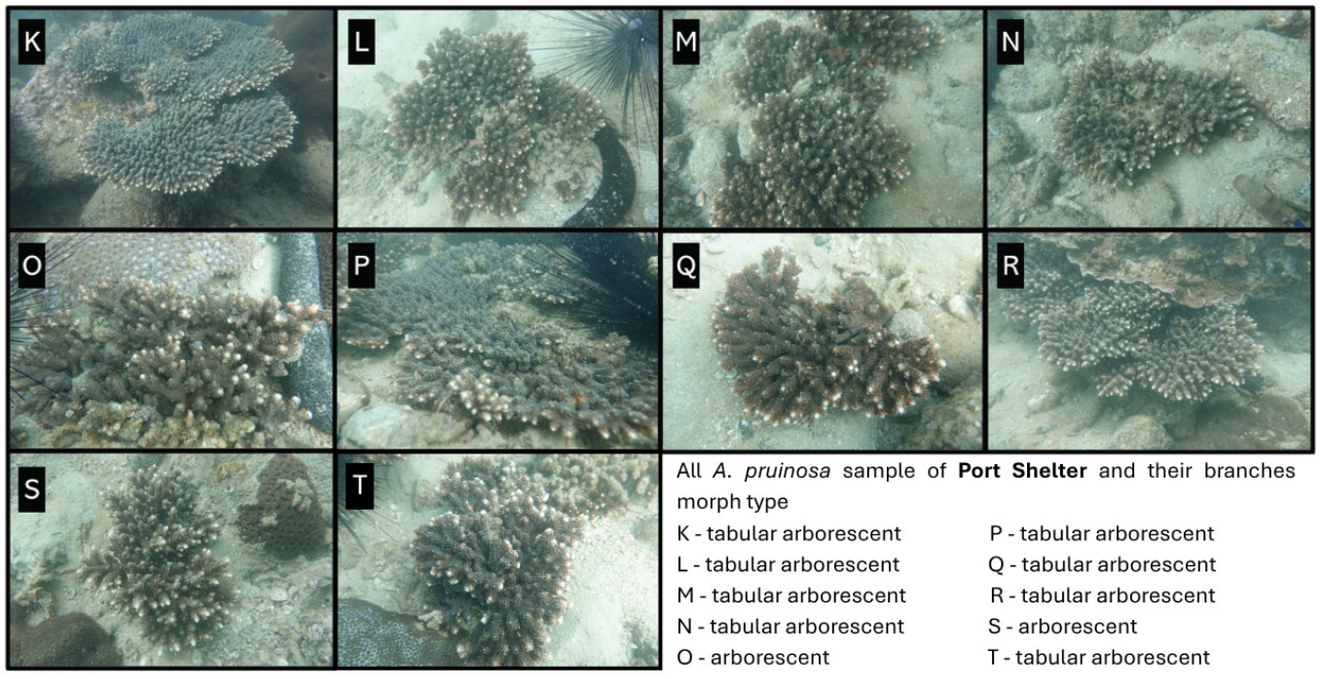


Supplementary Figure 2. Underwater photographs of Hong Kong *A. pruinosa* colonies showing gross morphology types clssified using Japanese morphological criteria



All *A. pruinosa* sample of **Bluff Island** and their branches morph type

A – intermediate
B – arborescent
C – intermediate
D – tabular arborescent
E – intermediate
F – tabular arborescent
G – tabular arborescent
H – intermediate
I – tabular arborescent
J – intermediate



All *A. pruinosa* sample of **Port Shelter** and their branches morph type

K - tabular arborescent
L - tabular arborescent
M - tabular arborescent
N - tabular arborescent
O - arborescent
P - tabular arborescent
Q - tabular arborescent
R - tabular arborescent
S - arborescent
T - tabular arborescent