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APPENDIX

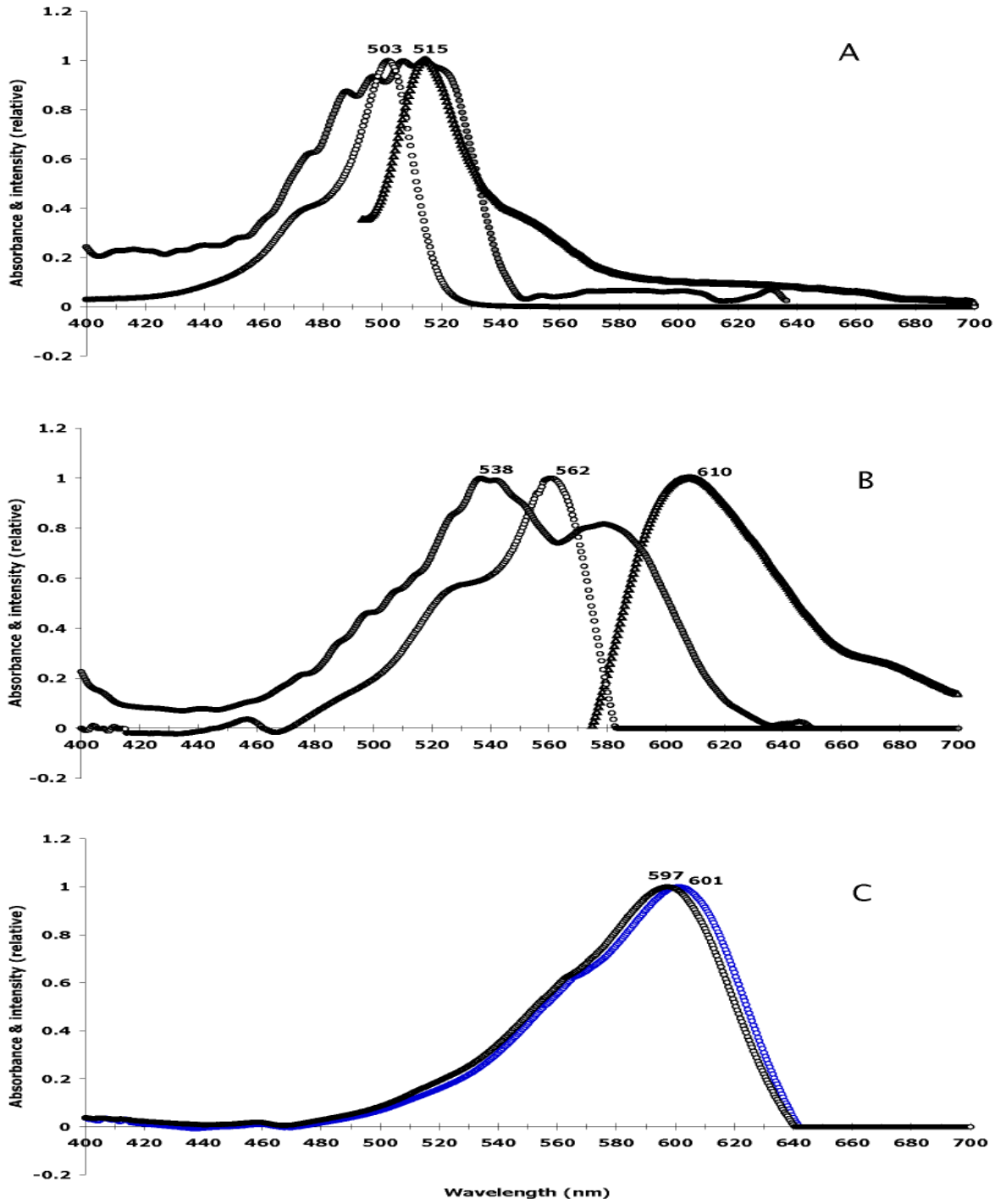


Figure 6. 1 Spectral characteristics of the recombinant proteins from *Acropora millepora* presettlement library.

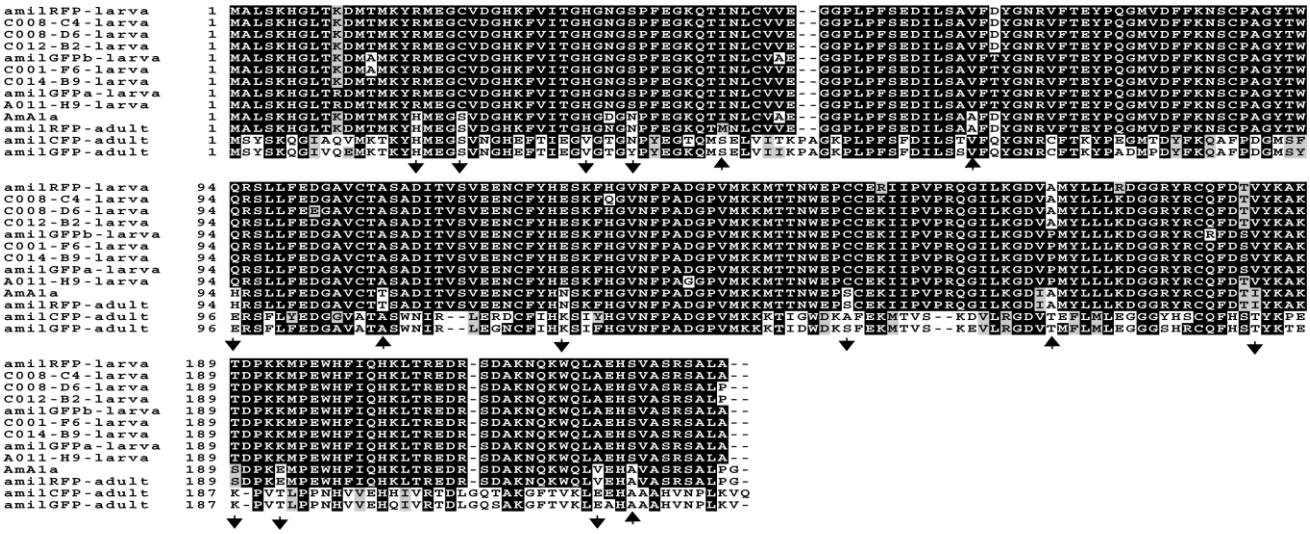


Figure 6. 2 Box shade alignment between larval and adult *Acropora* fluorescent proteins.
Arrowheads points to the orientation of the residue (in or outside) the GFP-like ß barrel (Beltran-Ramirez *et a*l 2010)

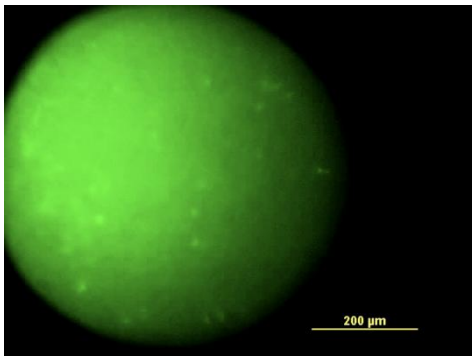
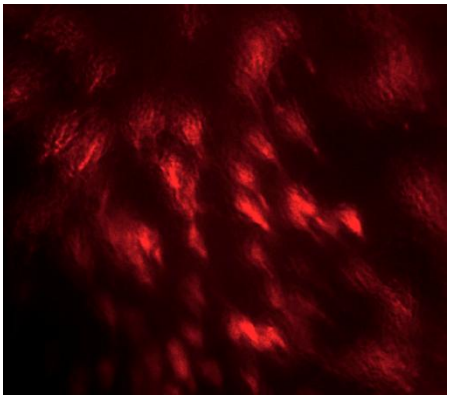


Figure 6. 3 Prawn chip coloured embryos.

Figure 6. 4 38h-FITC coral embryo



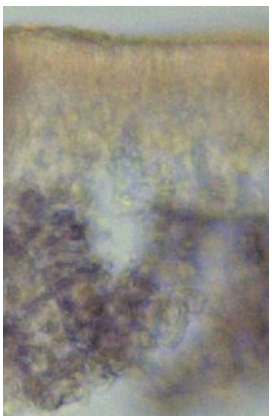


Figure 6. 5 Red granulations in planula cells.

Figure 6. 6 Planula section stained against amilFP

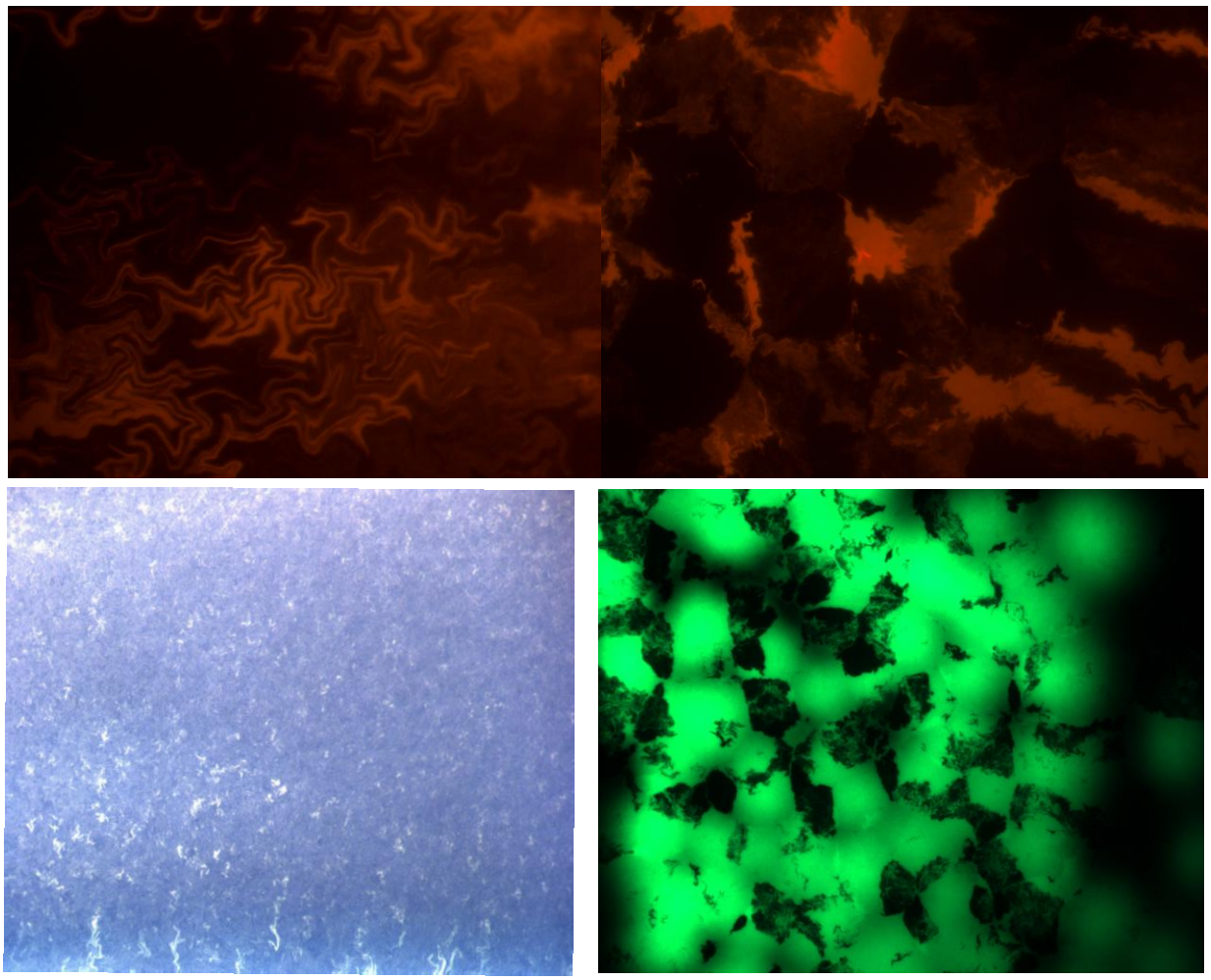


Figure 6.8 Lawn *of E. coli* expressing the amilCP and FPs produced during this research.

Nucleotide sequence of the nuclear GFP-like genes from *Nematostella vectensis* and *Acropora millepora*. Exonic sequences are marked in bold.

>nvecFP

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