

## Supplementary Information

### **Eco-biocompatible periphyton-inhabited PolyVinyl Chloride (PVC) and PolyAcrylic (PAC) Sheets infer Aquaculture bio-sustainability by oxidative stress and steatosis in zebrafish**

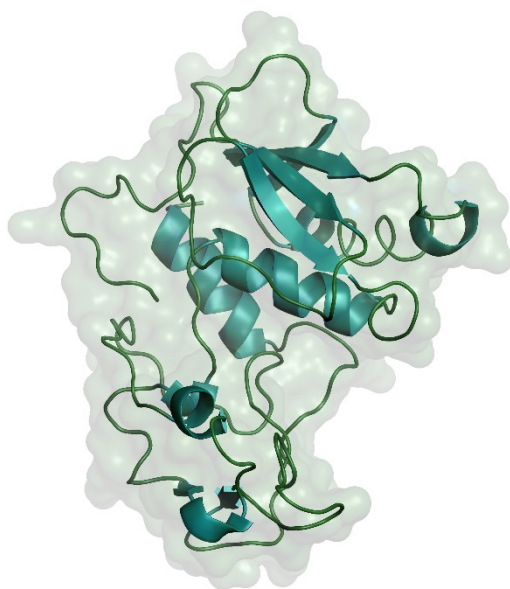
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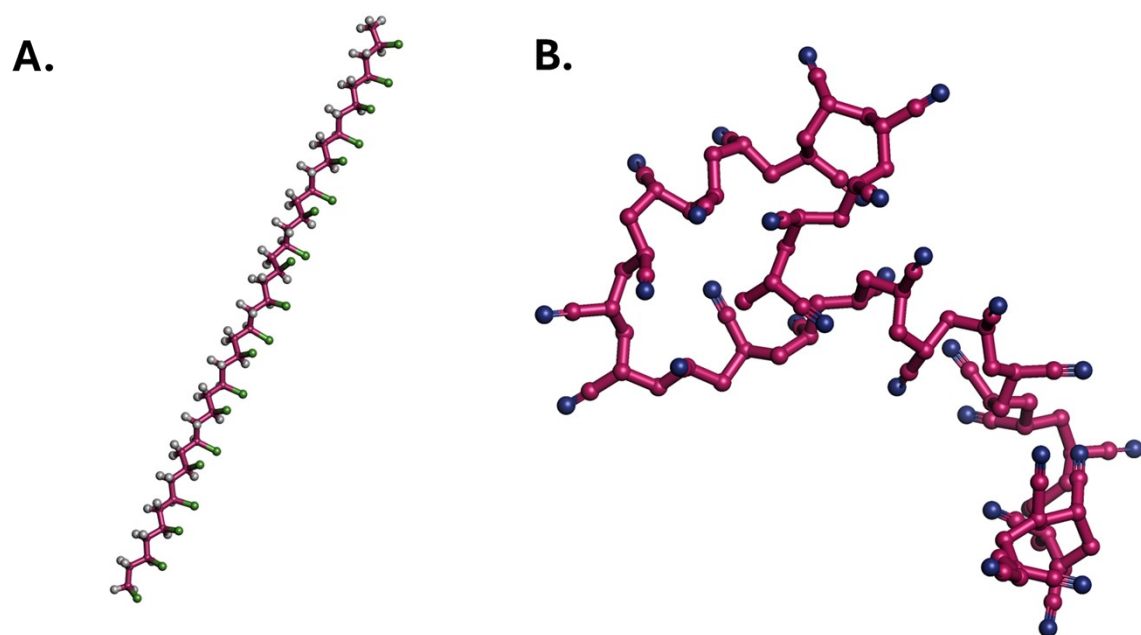
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**Figure S1:** Image of Zhe1 protein derived from pdb dataset.



**Figure S2:** Image of (A) PVC (B) PAC derived from pubchem dataset.

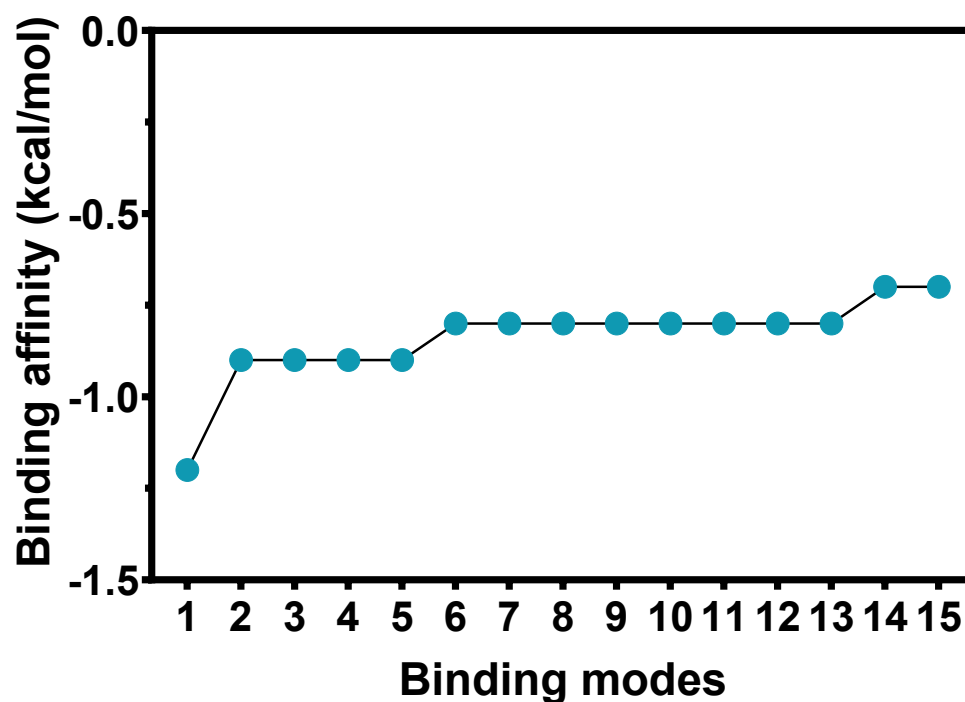


**Figure S3:** Image representing the molecular docking interaction of Zhe1 proteins with PVC.



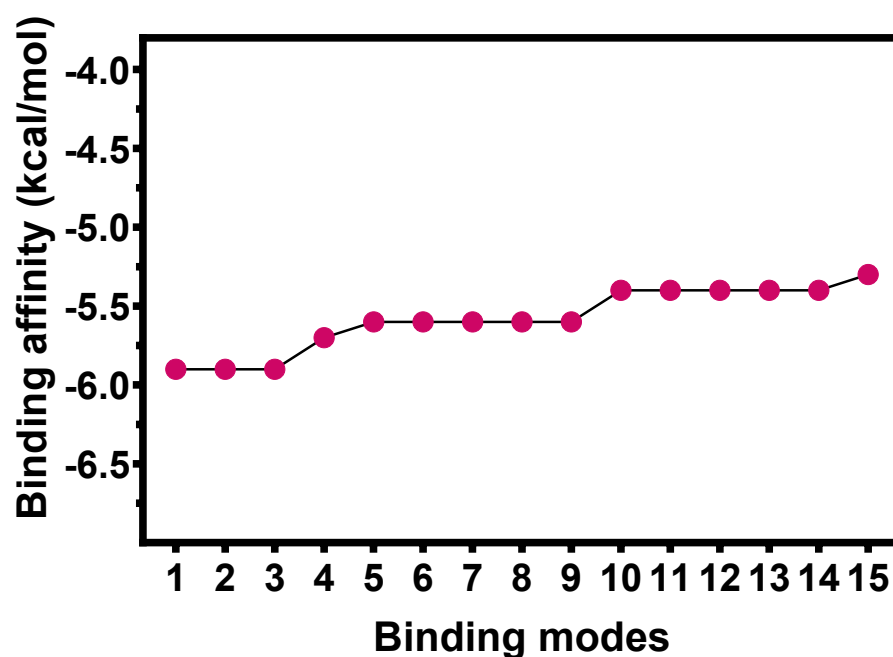
**Figure S4:** Image representing the molecular docking interaction of Zhe1 proteins with PAC.

### zhe1 with PVC Binding affinity (kcal/mol) vs Binding modes



**Figure S5:** Image representing the molecular docking interaction with binding affinity of Zhe1 proteins with PVC.

### zhe1 with PAC Binding affinity (kcal/mol) vs Binding modes



**Figure S6:** Image representing the molecular docking interaction with binding affinity of Zhe1 proteins with PAC.