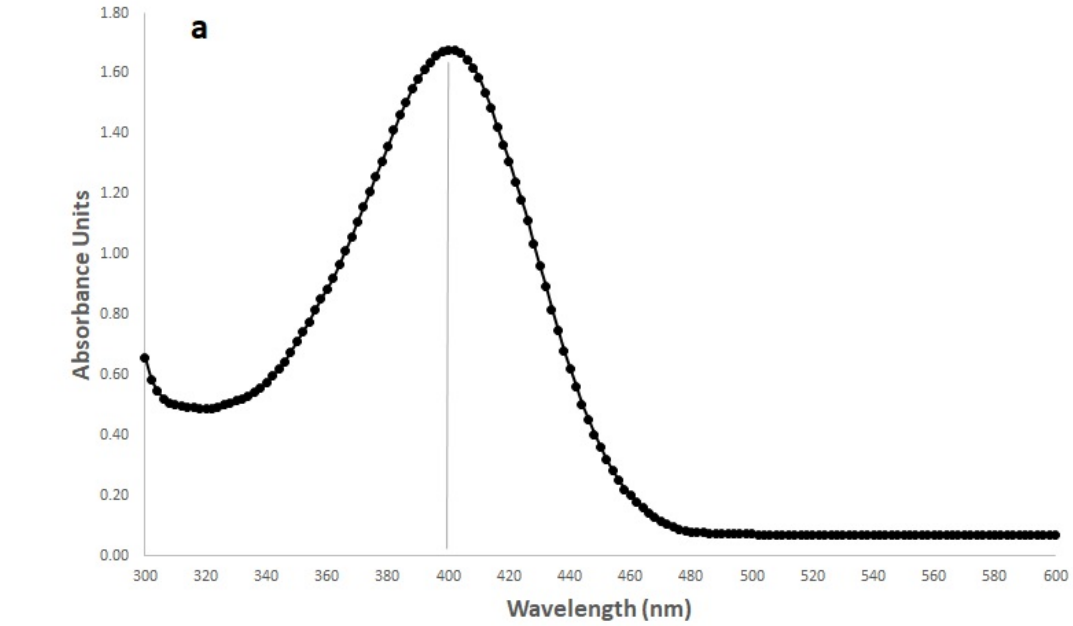
SUPPLEMENTARY MATERIAL

Optimization of Classical Lipase Activity Assays for Fish Digestive Tract Samples

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p-NP, *p*-NPM

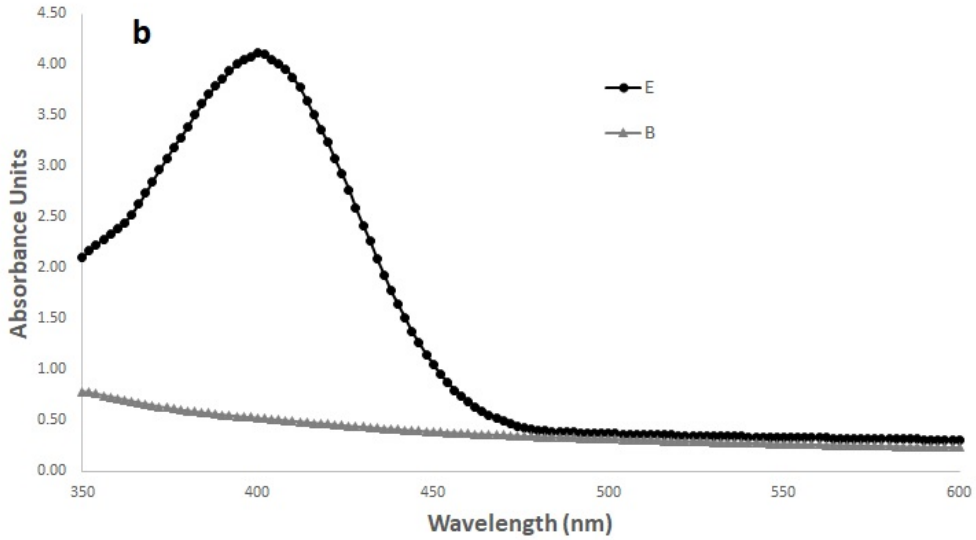


Figure S1. Absorption spectra for *p*-NP and *p*-NPM. a) *p*-NP (in DMSO) absorption spectra. b) *p*-NP (E) and *p*-NPM (B) (in final reaction mixture) absorption spectra.

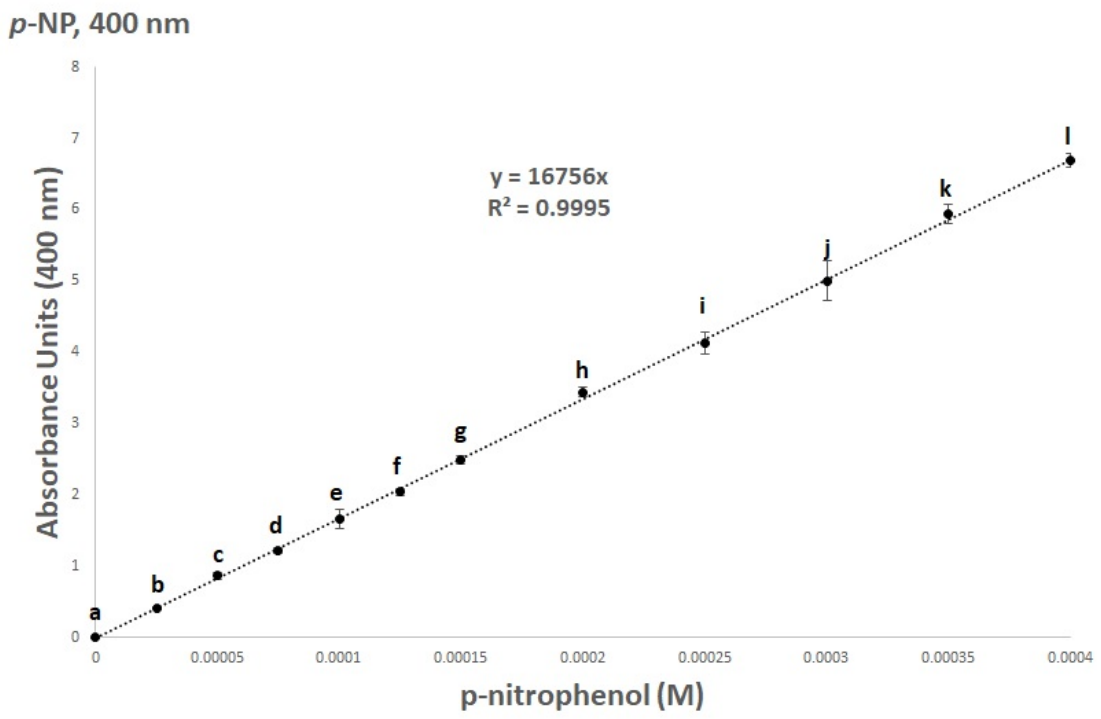
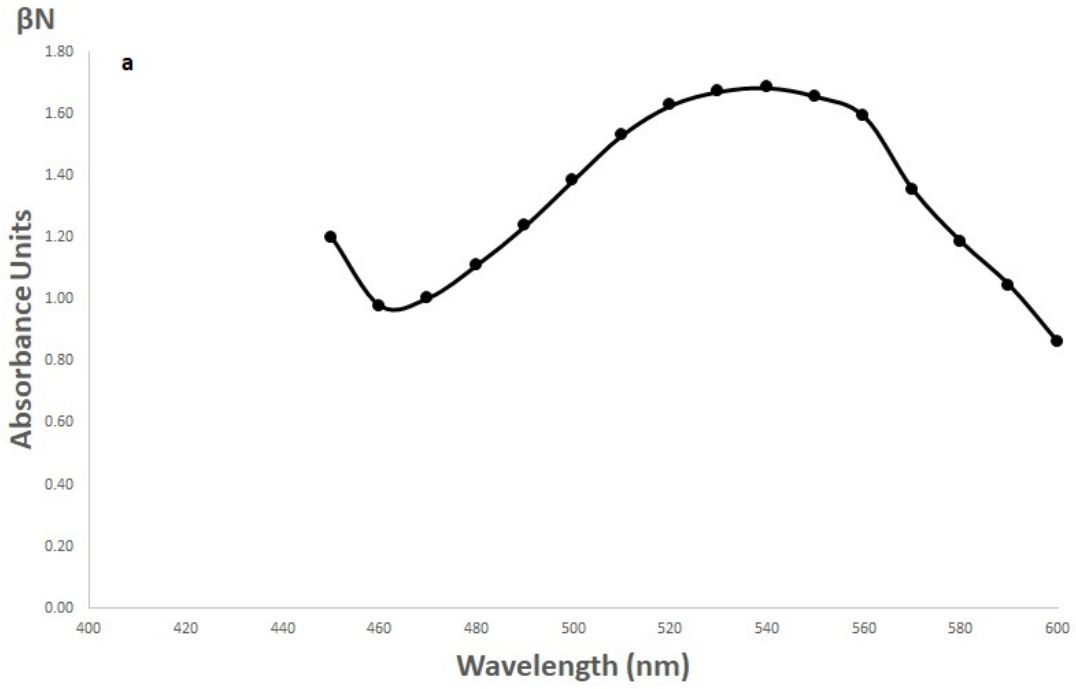


Figure S2. *p*-NP standard curve at pH 8.0 and 400 nm.



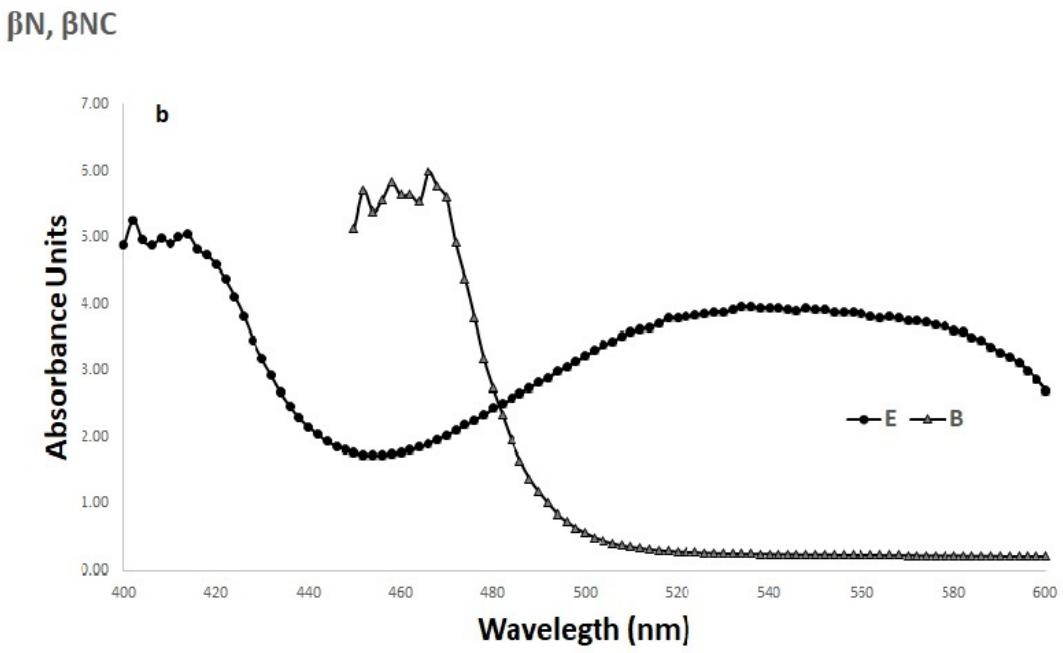
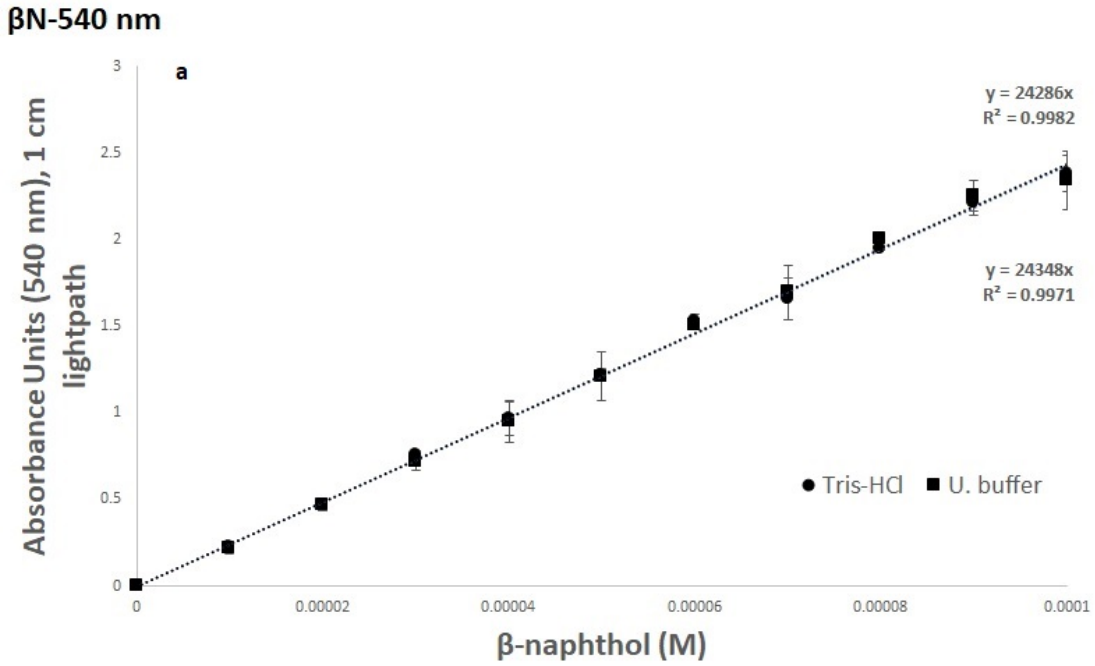


Figure S3. Absorption spectra for β-N and β-NC. a). β-N (in DMSO) absorption spectra. b). β-N (E) and β-NC (B) (in final reaction mixture) absorption spectra.



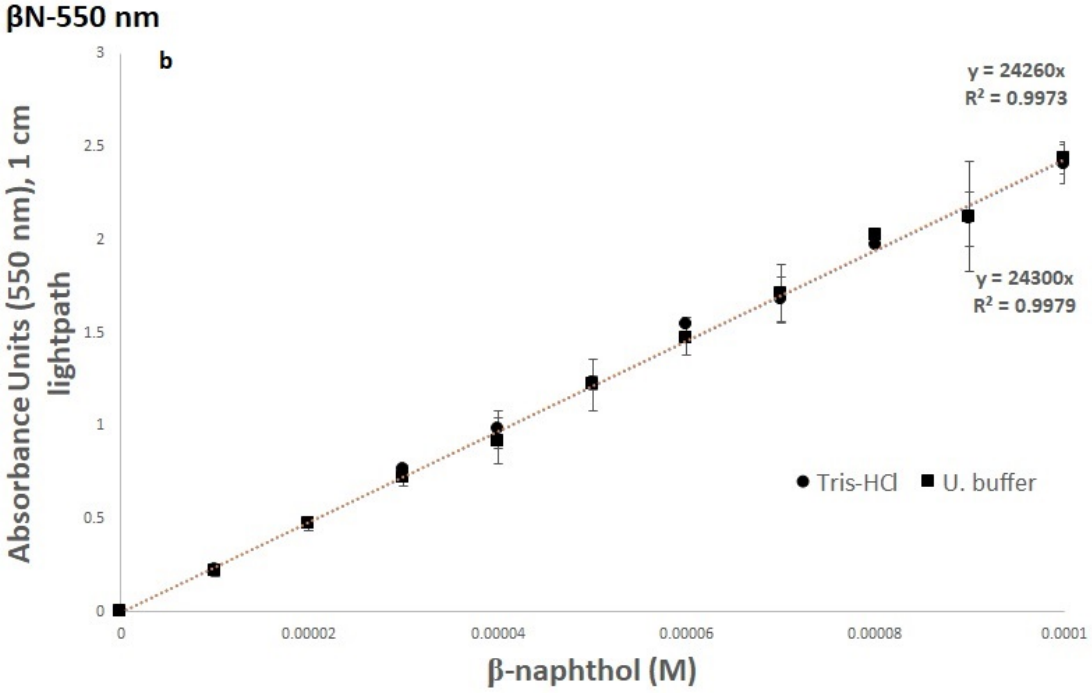


Figure S4. β-N standard curve at pH 8.0 and 540 (a) and 550 (b) nm. U: universal.

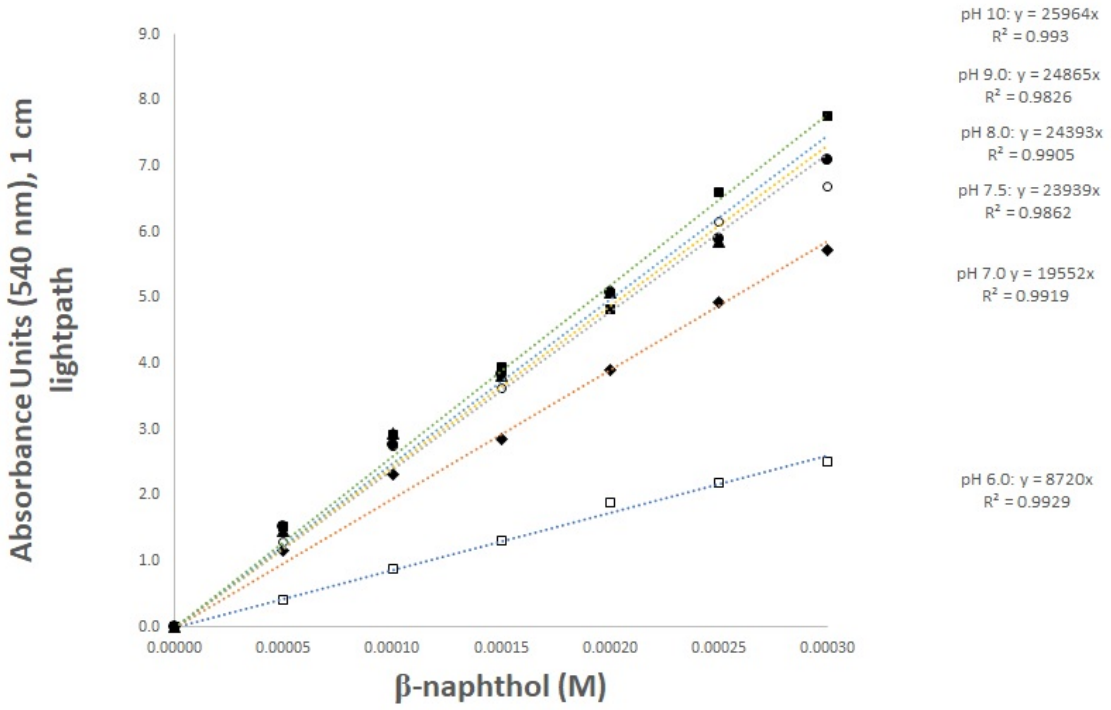


Figure S5. Effect of pH on the slope of β-N standard curves.

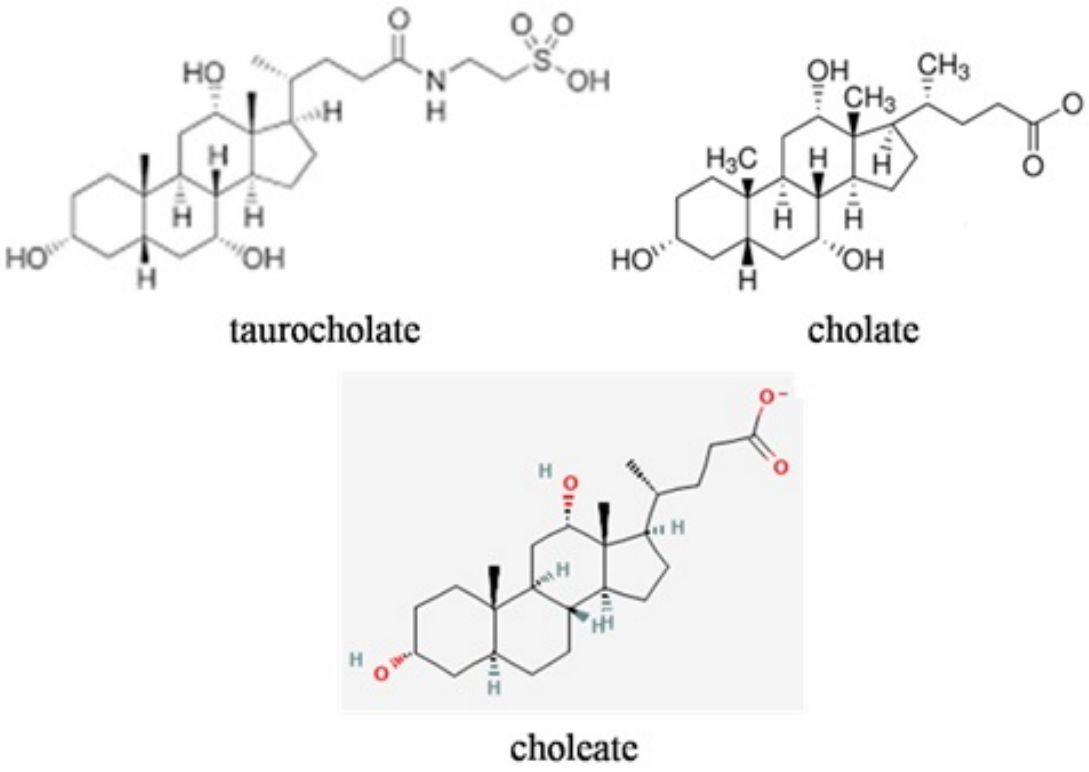


Figure S6. Structures of three bile salts used in this work (Campanelli et al. 1991; Meier et al. 2018).

Campanelli AR, Candeloro De Sanctis F, D'Archivio AA, Giglio E, Scarammuzza L. (1991).Crystalstructuresofbilesalts: Sodiumtaurocholate. J InclPhenomMacrocyclChem 11: 247–256. https://doi.org/10.1007/BF01061037

Meier AR, Yehl JB, Eckenroad KW, Manley GA, Strein TG, Rovnyak D. (2018). Stepwiseaggregationofcholate and deoxycholatedictatestheformation and lossofsurface-availablechirallyselectivebindingsites. Langmuir. 34(22):6489-6501. doi: 10.1021/acs.langmuir.8b00467. Epub 2018 May 21. PMID: 29733655.