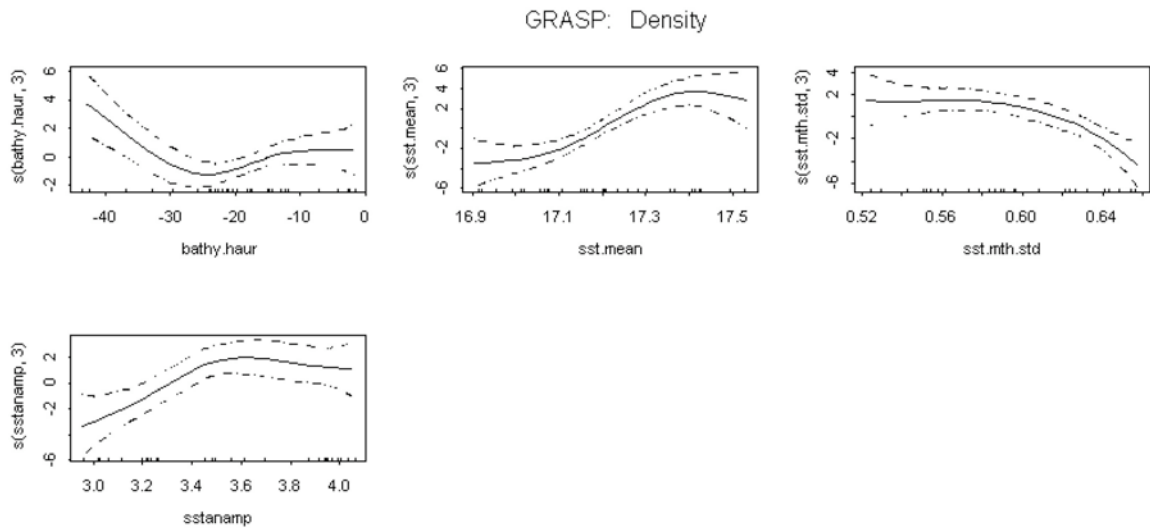
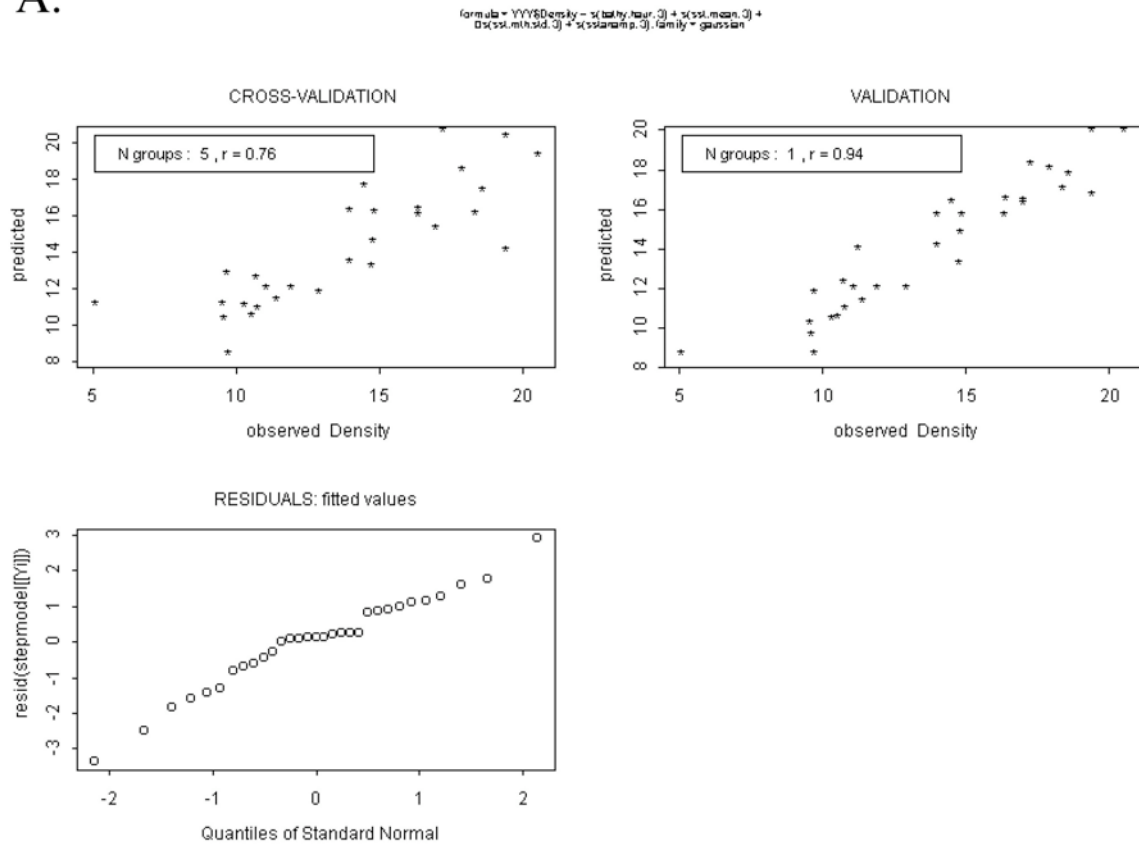


Appendix IV. Results of the Multiregression (GAM) Models for Epifaunal Invertebrates, Cryptic Fishes and Mobile Invertebrates

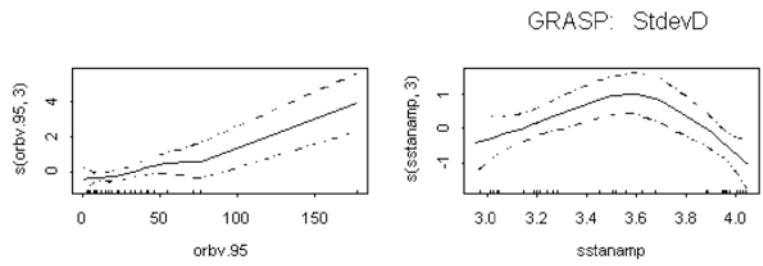


A.



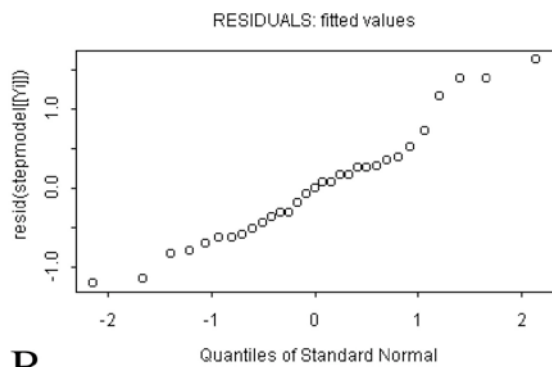
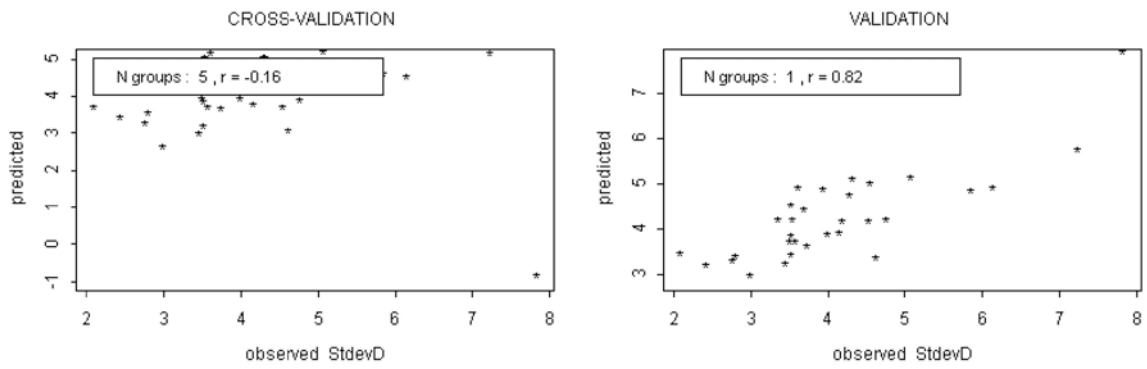
B.

(A) Species Density



A.

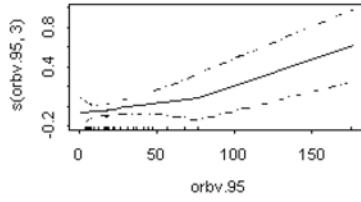
formula = YYYStdevD ~ s(orbv.95, 3) + s(sstanamp, 3), family = gaussian



B.

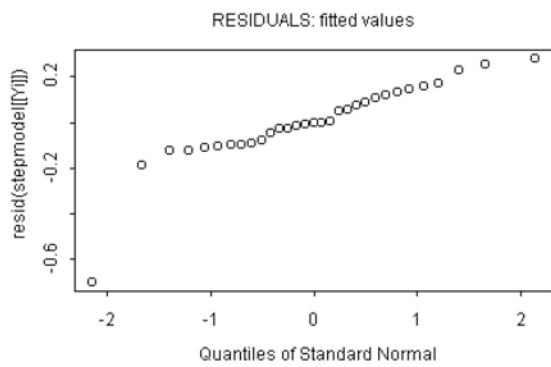
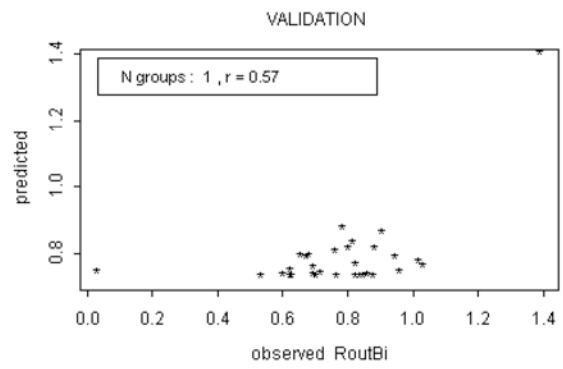
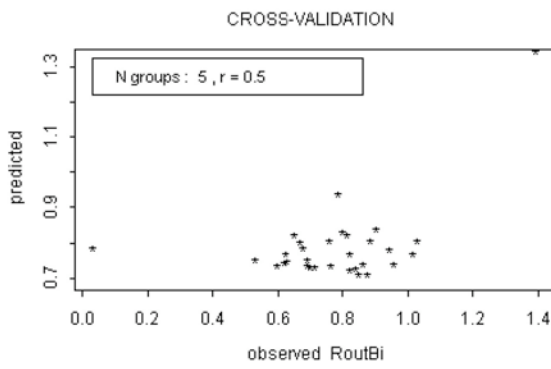
(B) Variation of Species Density

GRASP: RoutBi



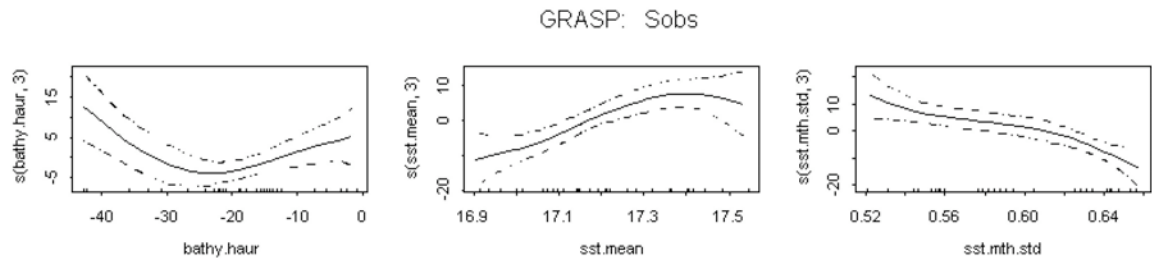
A.

formula = YYYRoutBi ~ s(orbv.95, 3), family = gaussian



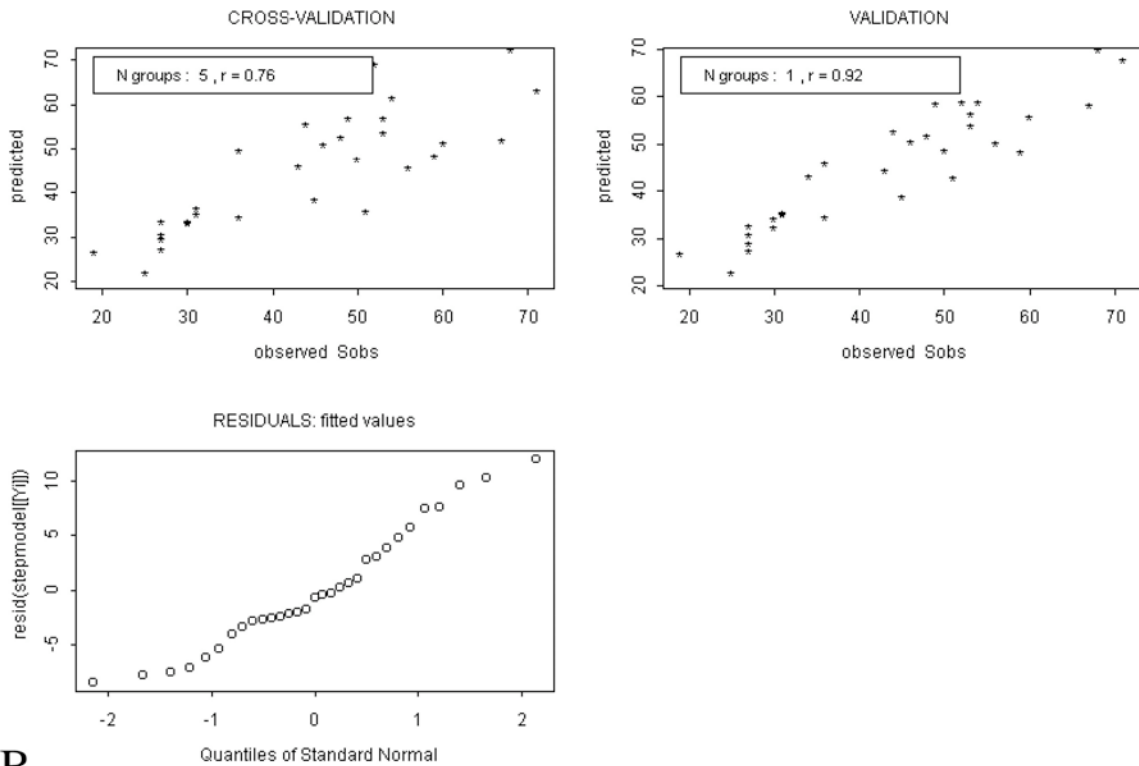
B.

(C) Turnover Diversity



A.

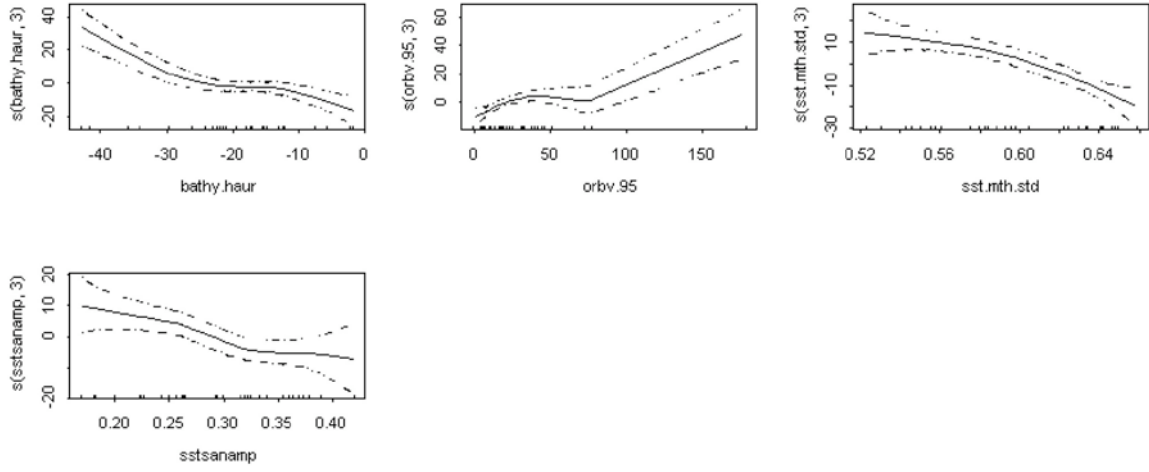
formula = YYY(Sobs ~ s(bathy.hour, 3) + s(sst.mean, 3) +
Ds(sst.mth.std, 3), family = gaussian)



B.

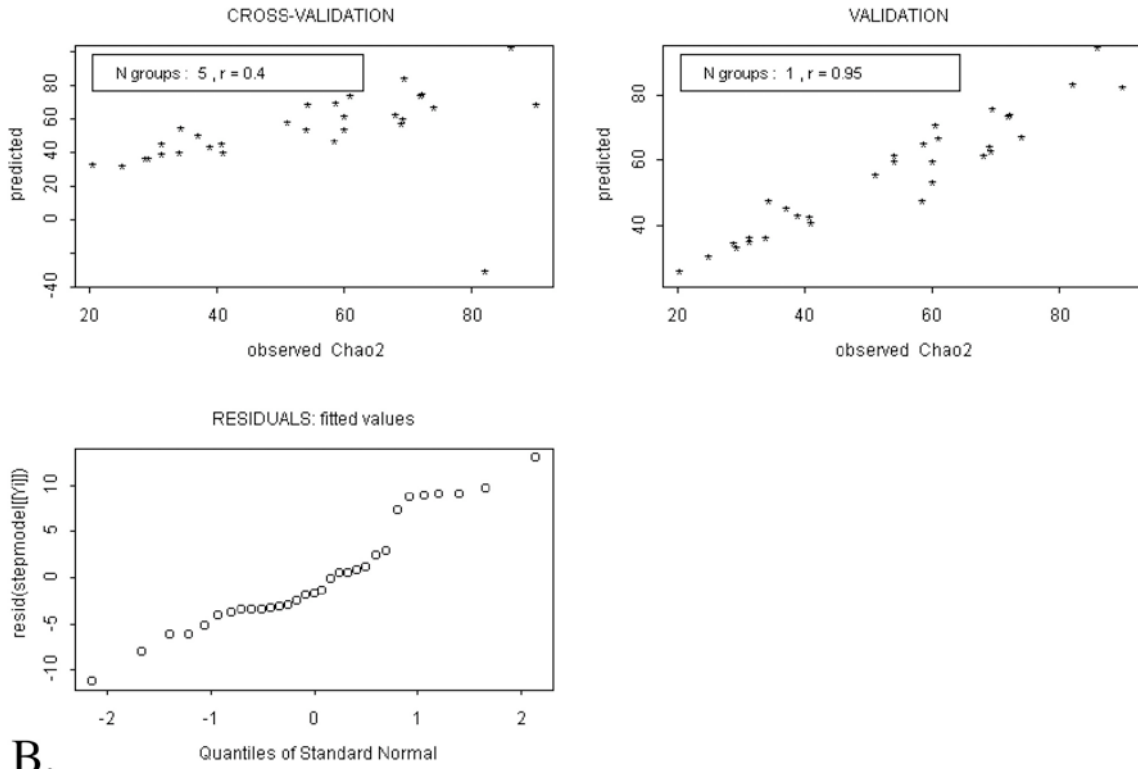
(D) Observed Species Richness

GRASP: Chao2



A.

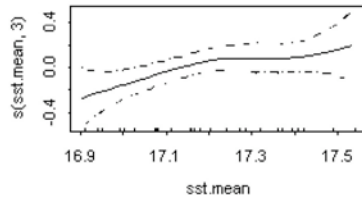
formula = YYY9C.chao2 ~ s(bathy.hour, 3) + s(orbv.95, 3) +
D(sst.mth.std, 3) + s(sstsanamp, 3), family = gaussian



B.

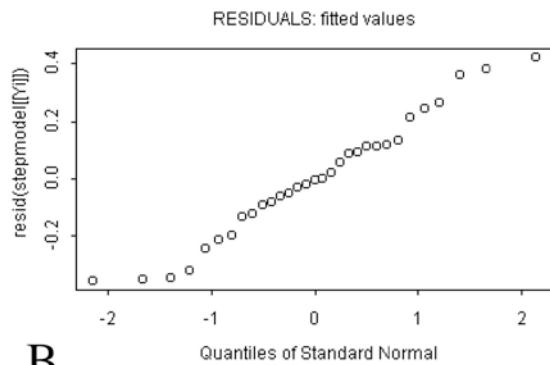
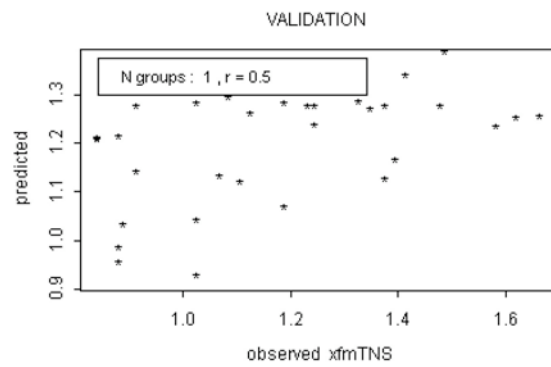
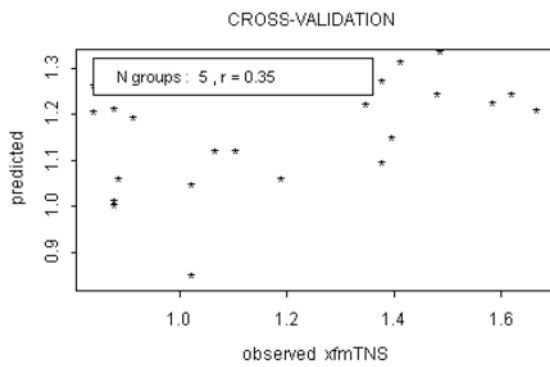
(E) Estimated Species Richness

GRASP: xfmTNS



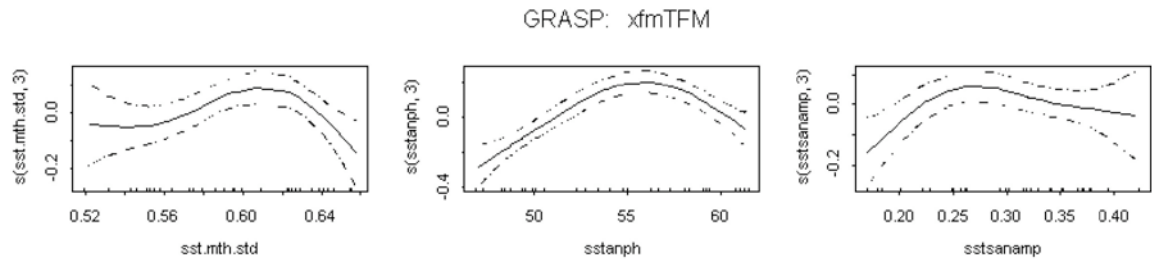
A.

formula = YYY@/mTNS ~ s(sst.mean,3), family = gaussian

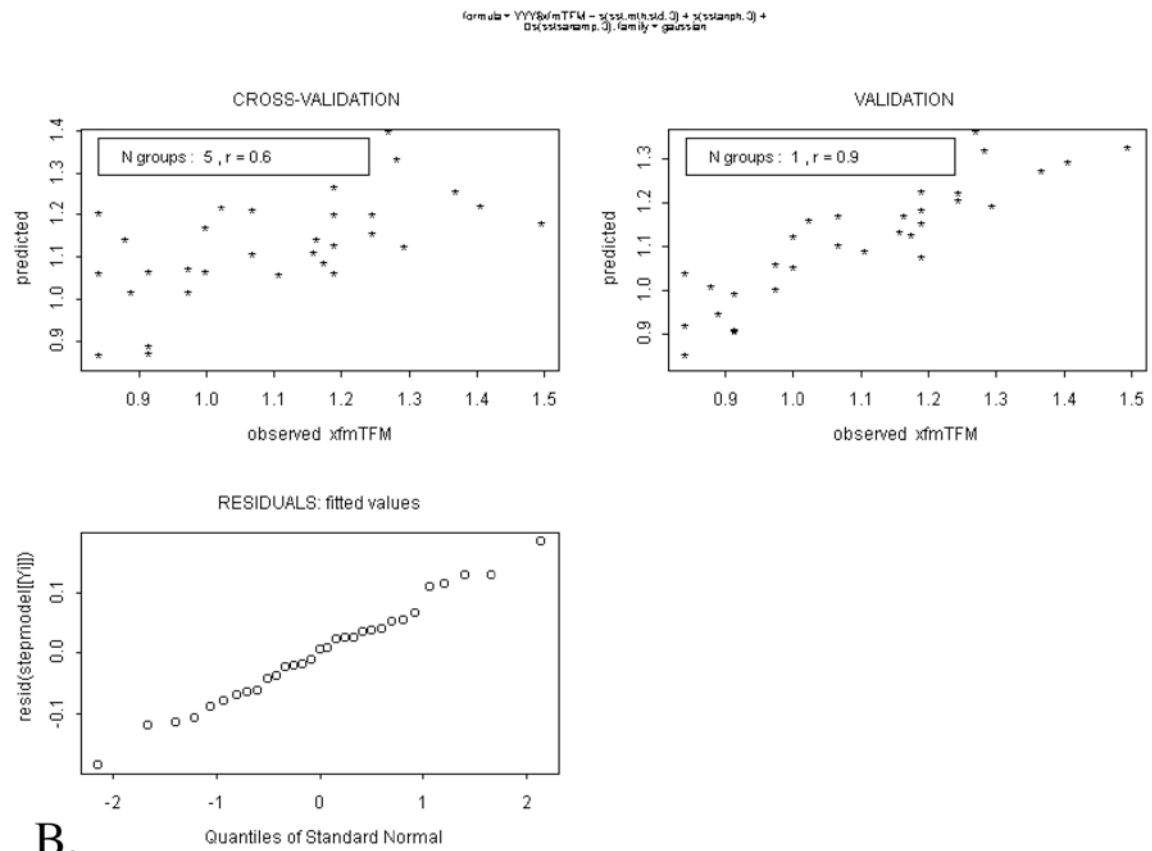


B.

(F) Blue-eyed Triplefin, *Notoclinops segmentatus*

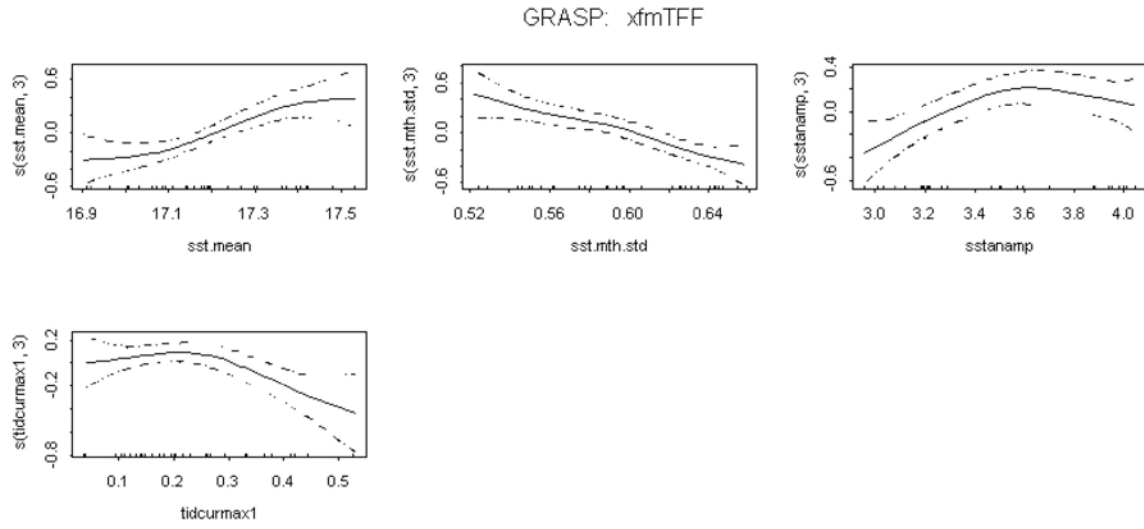


A.



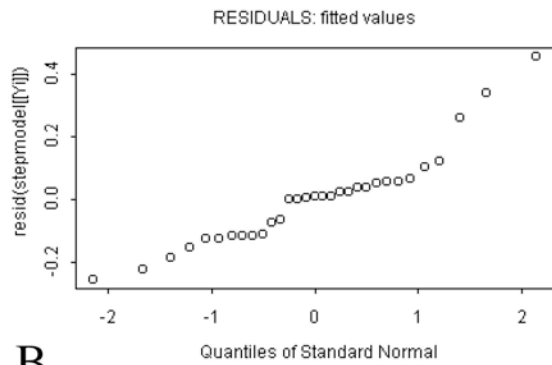
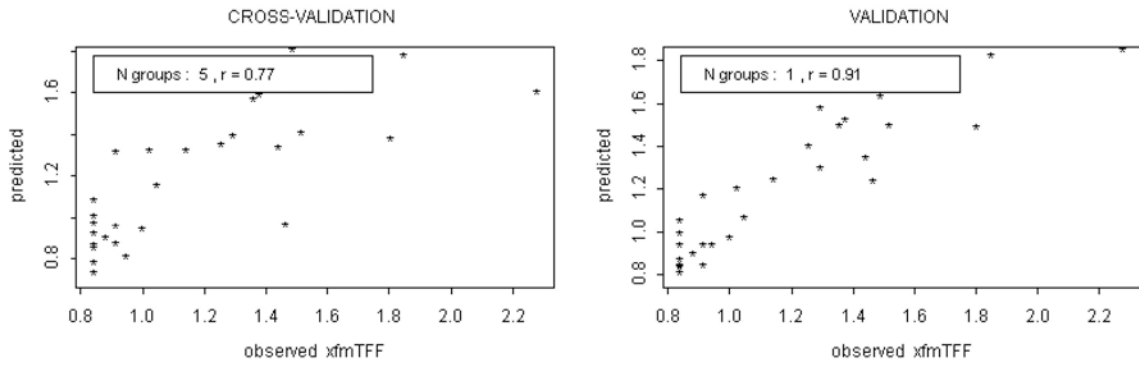
B.

(G) Mottled Triplefin, *Fosterygion malcolmi*



A.

formula = YYY@xfmTFF - s(sst.mean, 3) + s(sst.mth.std, 3) +
 D(sstanamp, 3) + s(tidcurmax1, 3).family = gaussian



B.

(H) Yellow-black Triplefin, *Fosterygion flavonigrum*