

Table S1. Performance of different combinations of GLM models for the standardization of mature albacore nominal CPUE.

| No. | Models | AIC | Null | Residual | Deviance explained (%) | P(f) |
|-----|---|--------|--------|----------|------------------------|--------|
| 1 | Year | 239549 | 142901 | 138069 | 3.381362 | <0.001 |
| 2 | Year + Month | 238294 | 142901 | 135476 | 5.195905 | <0.001 |
| 3 | Year + Month + Lat | 197070 | 142901 | 73374 | 48.65396 | <0.001 |
| 4 | Year + Month + Lat + Lon | 188394 | 142901 | 64318 | 54.99122 | <0.001 |
| 5 | Year + Month + Lat + Lon + Hooks + Interactions | 184070 | 142901 | 59045 | 58.68118 | <0.001 |

Lat = Latitude

Lon = Longitude

Interactions = Year*Lat, Year*Lon, Lat*Lon