**CORRECTIONS**

**1.**

Glass eels of A. *mossambica,* were longest with a mean length (Mean ± SD) of 5.45 ± 0.62 cm, followed by *A. bengalensis* (5.35 ± 0.35) and *A. marmorata* (5.20 ± 0.28µm) but the difference was not significant (ANOVA; F=0.48, p=0.621) (Table 5). Results of FDI measurements on all glass eel specimens were < 1% (Appendix 4). *A. mossambica*, had significantly (ANOVA; F=1.957, p=0.015) higher OI (Mean ± SD) 23.50± 66.59 compared to either *A. marmorata*, 6.31±2.06 or *A. bengalensis* 5.43±1.38 µm.

Table 5: Morphometric characteristics (Mean ± SD) of glass eel stage of eel species caught in the Sabaki Estuary

| Characteristic | *A. bengalensis* | *A. marmorata* | *A. mossambica* |
| --- | --- | --- | --- |
| TL (cm) | 5.35 ± 0.35 | 5.20 ± 0.28 | 5.45 ± 0.62 |
| OI | 5.43±1.38 | 6.31±2.06 | 23.50±66.59 |
| EI | 485±185 | 417±50 | 470±275 |

**2.**

**Not sure but he commented about t-test as below**

Table 6: Morphometric characteristics (Mean ± SD) of elver stage of eel species caught in the Sabaki Estuary.

| Characteristic | *A. bengalensis* | *A. mossambica* | *t-test* | *sig* |
| --- | --- | --- | --- | --- |
| TL (cm) | 7.4±0.1414 | 7.7625±2.2884 | -0.44465 | 0.6696 |
| OI | 4.82±2.18 | 5.18±2.51 | -0.20609 | 0.8582 |
| EI | 796±603 | 312±185 | 1.0477 | 0.4565 |

**I would prefer a fig such as**



**3. OI and EI for distance and lunar**

**Glass eels**

| site | Anguilla bengalensis | | Anguilla mossambica | | Anguilla marmorata | |
| --- | --- | --- | --- | --- | --- | --- |
|  | Ocular index | Elongation index | Ocular index | Elongation index | Ocular index | elongation index |
| SBE3 | 5.49 | 503 | 4.74 | 347 | NA | NA |
| SBE1 | 5.61 | 423 | 41.6 | 413 | 6.31 | 417.1 |
| SBE4 | 5.24 | 499 | 5.45 | 508 | NA | NA |
| SBE2 | 5.48 | 556 | 5.84 | 656 | NA | NA |

Elvers

| site | Anguilla bengalensis | | Anguilla mossambica | | Anguilla marmorata | |
| --- | --- | --- | --- | --- | --- | --- |
|  | Ocular index | Elongation index | Ocular index | Elongation index | Ocular index | elongation index |
| SBE2 | 3.28 | 1222 | 5.01 | 461 | NA | NA |
| SBE1 | NA | NA | 8.19 | 260 | NA | NA |
| SBE3 | 6.36 | 370 | NA | NA | NA | NA |
| SBE4 | NA | NA | 3.35 | 199 | NA | NA |

Eg: 

Table 8: ocular and elongation indices (OI and EI) of juvenile anguillids observed across sites lunar phase.

GLASS EELS

|  | *Anguilla bengalensis* | | *Anguilla mossambica* | | *Anguilla marmorata* | |
| --- | --- | --- | --- | --- | --- | --- |
| Lunar phase | OI | EI | OI | EI | OI | EI |
| Last Quarter | 4.45 | 428 | 3.78 | 399 | NA | NA |
| Waxing Crescent | 6.12 | 423 | 6.16 | 536 | 7.76 | 382 |
| First Quarter | 5.99 | 454 | 5.94 | 581 | NA | NA |
| Wanning Gibbous | 5.06 | 539 | 55.3 | 341 | 4.85 | 452 |
| Full moon | 5.84 | 511 | NA | NA | NA | NA |

**ELVERS**

|  | *Anguilla bengalensis* | | *Anguilla mossambica* | | *Anguilla marmorata* | |
| --- | --- | --- | --- | --- | --- | --- |
| Lunar phase | OI | EI | OI | EI | OI | EI |
| Waxing Crescent | NA | NA | 7.05 | 734 | 0 | 0 |
| Wanning Gibbous | 4.82 | 796 | 6.09 | 292 | 0 | 0 |
| Last Quarter | NA | NA | 3.35 | 199 | 0 | 0 |
| First Quarter | 0 | 0 | 0 | 0 | 0 | 0 |
| Full moon | 0 | 0 | 0 | 0 | 0 | 0 |

**4. Calculate CPUE for sp caught in diff lunar phase for both glass eels and elvers (separate) and present in graph form**

Table 9: Abundance of juvenile anguillid glass eel species caught in different lunar phases in the Sabaki Estuary.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Lunar phase | | *A. bengalensis* | *A. marmorata* | *A. mossambica* | Total |
| First Quarter | | 10 | 0 | 4 | 14 |
| Full moon | | 10 | 0 | 0 | 10 |
| Last Quarter | | 8 | 0 | 4 | 12 |
| Waning Gibbous | | 18 | 1 | 9 | 28 |
| Waxing Crescent | | 6 | 1 | 5 | 12 |
| Total | 52 | 2 | 22 | 76 | |

Present like this in a line graph:



**5. I drew this table with excel but he commented that it has no axis so we draw it better**

Figure 12: Abundance of juvenile anguillid eel species associated with two seasons (NEM= Northeast Monsoon season, SEM= Southeast Monsoon season) caught in the Sabaki Estuary.

**Same for elvers**

Figure 13: Abundance of elvers juvenile anguillid eel species associated with two seasons (NEM= Northeast Monsoon season, SEM= Southeast Monsoon season).

**6. Convert** **this to CPUE no ind/net/d then multiply by weight to obtain biomass see what I did**

| Species | N | Length (cm) | Weight (g) | Biomass (kg) |
| --- | --- | --- | --- | --- |
| *Glossogobius giuris* | 927 | 14.6 ± 3.11 | 23.3 ± 3.2 | 21.60 |
| *Pisonodophis boro* | 45 | 108.7 ± 24.9 | 71.4 ± 6.1 | 3.21 |
| *Otolithes ruber* | 14 | 20.2 ± 9.6 | 21.7 ± 4.8 | 0.30 |
| *Planiliza alata* | 24 | 4.3 ± 0.17 | 2.7 ± 1.1 | 0.06 |
| *Bagrus docmak* | 35 | 35.1 ± 8.8 | 79 ± 7.5 | 2.77 |
| *Oreochromis spirulus spirulus* | 118 | 15.4 ± 3.2 | 26.6 ± 7.4 | 3.13 |
| *Oreochromis mossambicus* | 23 | 16.3 ± 3.7 | 15.9 ± 3.1 | 0.37 |
| *Stenogobius kenyae* | 25 | 69.9 ± 8.4 | 17.3 ± 6.3 | 0.43 |
| *Barbus oxyrhynchus* | *2* | 124 ± 0.1 | 19 ± 0.3 | 0.04 |
| *A bengal* | 52 | 6.4 | - |  |
| *A moss* | 22 | 6.56 | - |  |
| *A marm* | 2 | 5.2 | - |  |

**7. Correct axis labeling; 1 km before 1.5 km**

