**Table S3:** Results of statistical models for intrusion pressure and male share in defense after excluding nests with missing parental size values. (A) and (B) show results corresponding to those in Table 2 and Table 3 of the main text, respectively.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | *Estimate* | *Std. Error* | *z* | *P* |
| (A) Intrusion pressure from **territory competitors** |
|  | (Intercept) | 2.699 | 0.053 | 50.46 | **< 0.0001** |
|  | Depth | 0.091 | 0.056 | 1.637 | 0.102 |
|  | Fry length | 0.003 | 0.056 | 0.061 | 0.951 |
|  | Total brood size | -0.142 | 0.057 | -2.483 | **0.013** |
|  | Average parent body size | 0.291 | 0.061 | 4.773 | **< 0.0001** |
|  |  |  |  |  |
| Intrusion pressure from **brood predators** |
|  | (Intercept) | 1.164 | 0.137 | 8.478 | **< 0.0001**  |
|  | Depth | -0.080 | 0.134 | -0.592 | 0.554 |
|  | Fry length | 0.347 | 0.139 | 2.503 | **0.012** |
|  | Total brood size | 0.051 | 0.122 | 0.422 | 0.673 |
|  | Average parent body size | -0.101 | 0.131 | -0.768 | 0.443 |
|  |  |  |  |  |  |
| (B) Male share in total defense versus **territory competitors** |
|  | (Intercept) | -0.229 | 0.128 | -1.789 | 0.074 |
|  | Paternity | 0.291 | 0.487 | 0.598 | 0.550 |
|  | Maternal brood size | -0.014 | 0.123 | -0.113 | 0.910 |
|  | Female – Male size difference | 0.066 | 0.138 | 0.479 | 0.632 |
|  |  |  |  |  |
| Male share in total defense versus **brood predators** |
|  | (Intercept) | -1.033 | 0.298 | -3.473 | **0.0005**  |
|  | Paternity | 0.216 | 1.034 | 0.209 | 0.835 |
|  | Maternal brood size | 0.184 | 0.257 | 0.713 | 0.476 |
|  | Female – Male size difference | -0.282 | 0.291 | -0.970 | 0.332 |