**Unprecedented biting performance in herbivorous fish: how the complex biting system of Pomacentridae circumvents performance trade-offs**

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Online enhancements: supplemental tables

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| Table S5. Results from comparing the grazers to the non-grazers (additional information to the table 1). | | |
| Models | G/L Grazers | G/L BF |
| Bite force | 3.04 (2.29-4.02) |  |
| Jaw width | - | - |
| MA A2 | 1.07 (1.02-1.11) | 1.08 (1.01-1.18) |
| Beta A2 | 1.19 (1.13-1.25) | - |
| Sigma A2 | 1.43 (1.31-1.54) | 1.09 (1.06-1.10) |
| Length A2 | 1.17 (1.07-1.28) | - |
| PCSA A2 | 3.53 (2.60-4.79) | 2.03 (1.65-2.54) |
| Fiber A2 | 1.19 (1.09-1.31) | - |
| MA A3 | 1.13 (1.06-1.21) | 1.12 (1.03-1.17) |
| Beta A3 | 1.52 (1.33-1.71) | - |
| Sigma A3 | - | - |
| Length A3 | 1.23 (1.11-1.35) | - |
| PCSA A3 | 1.7 (1.31-2.21) | 1.42 (1.19-1.73) |
| Fiber A3 | 1.22 (1.10-1.34) | - |
| Note: How much higher/lower are the values in grazers than in non-grazers, i.e. the gains and losses (G/L) based on true values in case of log transformation, are indicated (with 95% CI). How these gains and losses are translated into gains and losses in biting force are also indicated. The dashes lines indicated that the trait did not significantly differ between the groups. | | |

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| Table S6. Results from comparing the non-cmd to the cmd species (additional information to the table 2). | | |
| Models | G/L non-cmd | G/L MCS |
| MCS speed | 1.10 (1.01;1.20) |  |
| Jaw width | - | - |
| MA A2 | -1.13 (1.20-1.06) | 1.13 (1.10-1.15) |
| Beta A2 | -1.35 (1.48-1.25) | - |
| Sigma A2 | -1.9 (2.39-1.58) | 1.06 (1.04-1.07) |
| Length A2 | - | - |
| PCSA A2 | -2.22 (3.71-1.33) | 1.01 (1.00-1.01) |
| Fiber A2 | - | - |
| MA A3 | -1.12 (1.25-1.01) | 1.15 (1.11-1.19) |
| Beta A3 | -1.94 (3.10-1.41) | - |
| Sigma A3 | - | - |
| Length A3 | - | - |
| PCSA A3 | -1.55 (2.23-1.08) | -1.07 (1.13-1.01) |
| Fiber A3 | - | - |
| Note: How much higher/lower are the values in non-cmd species than in cmd species, i.e. the gains and losses (G/L) based on true values in case of log transformation, are indicated (with 95% CI). How these gains and losses are translated into gains and losses in mouth closing speed (MCS) are also indicated. The dashes lines indicated that the trait did not significantly differ between the groups. | | |