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| **GLMM Summary Statistics** | | | | | |
| GLMM Variables | AIC | Log Likelihood | *p-value* | Effect Size | 95% CI |
| Inhalation Duration ~ Breath Type | -254.0 | 132.0 | < 0.0001 | NA | Initial (0.414 to 0.835)  Middle (0.443 to 0.875)  Terminal (0.640 to 1.276) |
| IA ~ Breath Type | -353.5 | 181.8 | < 0.0001 | NA | Initial (0.222 to 0.329)  Middle (0.265 to 0.352)  Terminal(0.545 to 0.669) |
| Maximum Nares Area ~ Breath Type | -290.3 | 150.2 | < 0.0001 | NA | Initial (0.398 to 0.525)  Middle (0.436 to 0.538)  Terminal(0.690 to 0.788) |
| Maximum Nares Area ~ Inhalation Duration | -271.5 | 140.8 | <0.0001 | bb (0.880)  mn (0.450) | 1.281 to 1.878 |
| Total Inhalation Duration ~ Previous Dive Duration | 456.4 | -222.2 | 0.456 | 0.0181 | -1.651 to 0.741 |
| Total Inhalation Duration ~ Previous Dive Lunge Count | 461.4 | -224.7 | 0.604 | 0.912 | -1.242 to 0.722 |
| Total Inhalation Duration ~ Upcoming Dive Duration | 443.3 | -215.7 | 0.0024 | 0.0298 | -2.341 to -0.503 |
| Total Inhalation Duration ~ Upcoming Lunge Count | 453.6 | -220.8 | 0.00073 | 0.957 | -2.828 to -0.751 |
| Total Inhalation Duration ~ Upcoming Dive Duration and Lunge Count | 437.9 | -211.0 | Duration (0.0063)  Lunges (0.0010) | 0.0241 | Duration (-2.213 to -0.364)  Lunges(-2.614 to 0.659) |
| Breath Count ~ Previous Dive Duration and Lunge Count | 504.5 | -244.2 | Duration (0.610)  Lunges(0.161) | 0.0251 | Duration (-0.713 to 1.215)  Lunges(-1.4361 to 0.240) |
| Breath Count ~ Upcoming Dive Duration and Lunge Count | 502 | -243 | Duration (0.101)  Lunges(0.318) | 0.0310 | Duration (-1.809 to 0.162)  Lunges(-2.120 to -0.272) |