Table X. Likelihood ratio test output for each model selected for embryo survival and incubation period (number of days post-fertilization (DPF) and accumulated degree days (°C; ADD)) from European whitefish (*C. lavaretus*) in lakes XXX and XXXX. The full model that was selected is bolded for each trait and species.

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| --- | --- | --- | --- | --- | --- |
| Trait | Model | Effect Tested | df | χ2 | p-value |
| Embryo  Survival | **t + pop + t:pop + female:male + female + block + plate** |  |  |  |  |
| pop + female:male + female + block + plate | t | 1 | 395.80 | < 0.001 |
|  | t + female:male + female + block + plate | pop | 4 | 229.05 | < 0.001 |
|  | t + pop + female:male + female + block + plate | t:pop | 4 | 109.87 | < 0.001 |
|  | t + pop + t:pop + female + block + plate | female:male | 1 | 28.32 | < 0.001 |
|  | t + pop + t:pop + female:male + block + plate | female | 1 | 13.964 | < 0.001 |
|  | t + pop + t:pop + female:male + female + plate | block | 1 | 111.37 | < 0.001 |
|  | t + pop + t:pop + female:male + female + block | plate | 1 | 73.38 | < 0.001 |
| Incubation  Period (DPF) | **t + pop + t:pop + female:male + female + block + plate** |  |  |  |  |
| pop + female:male + female + block + plate | t | 1 | 969.49 | < 0.001 |
|  | t + female:male + female + block + plate | pop | 4 | 1,127.25 | < 0.001 |
|  | t + pop + female:male + female + block + plate | t:pop | 4 | 42.57 | < 0.001 |
|  | t + pop + t:pop + female + block + plate | female:male | 1 | 121.11 | < 0.001 |
|  | t + pop + t:pop + female:male + block + plate | female | 1 | 12.41 | < 0.001 |
|  | t + pop + t:pop + female:male + female + plate | block | 1 | 85.14 | < 0.001 |
|  | t + pop + t:pop + female:male + female + block | plate | 1 | 181.66 | < 0.001 |
| Incubation  Period (ADD) | **t + pop + t:pop + female:male + female + block + plate** |  |  |  |  |
| pop + female:male + female + block + plate | t | 1 | 68.18 | < 0.001 |
|  | t + female:male + female + block + plate | pop | 4 | 688.14 | < 0.001 |
|  | t + pop + female:male + female + block + plate | t:pop | 4 | 89.38 | < 0.001 |
|  | t + pop + t:pop + female + block + plate | female:male | 1 | 120.99 | < 0.001 |
|  | t + pop + t:pop + female:male + block + plate | female | 1 | 12.63 | < 0.001 |
|  | t + pop + t:pop + female:male + female + plate | block | 1 | 89.40 | < 0.001 |
|  | t + pop + t:pop + female:male + female + block | plate | 1 | 178.41 | < 0.001 |

t indicates temperature, pop indicates population.