**Table S4:** General Linear Model (GLM), involving three factors (Year, Species, Sex) one

continuous covariate (Ambient temperature) and all two-way interactions. Data from Klingavälsåns

Naturreservat from the summers of 2009 and 2010 (N = 200). The significant Species \* Ambient

temperature interaction in the table is illustrated in Fig. 6C (see Results). This interaction show that the

two species (*C. splendens* and *C. virgo*) differ significantly in the slopes of their thermal reaction norms.

Full model: r2 = 0.216; F10,189 = 6.481; *P* < 0.001.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Effect |  | | | | |
| SS | Degr. of Freedom | MS | F | p |
| Intercept | *70,765* | *1* | *70,7653* | *4,22201* | *0,041279* |
| Year | *194,666* | *1* | *194,6658* | *11,61417* | *0,000800* |
| Species | *276,489* | *1* | *276,4891* | *16,49592* | *0,000071* |
| Sex | 19,023 | 1 | 19,0226 | 1,13493 | 0,288086 |
| Ambient temperature | *87,241* | *1* | *87,2407* | *5,20497* | *0,023637* |
| Year\*Species | *111,677* | *1* | *111,6766* | *6,66286* | *0,010602* |
| Year\*Sex | 14,134 | 1 | 14,1344 | 0,84329 | 0,359628 |
| Species\*Sex | 5,904 | 1 | 5,9039 | 0,35224 | 0,553558 |
| Year\*Ambient temperature | *166,596* | *1* | *166,5958* | *9,93946* | *0,001882* |
| Species\*Ambient temperature | *255,562* | *1* | *255,5618* | *15,24736* | *0,000131* |
| Sex\*Ambient temperature | 16,473 | 1 | 16,4729 | 0,98281 | 0,322774 |
| Error | 3167,840 | 189 | 16,7611 |  |  |