**Supporting Information**

Table S2 - Results of two-way ANOVA evaluating the effects of temperature and *Loligo vulgaris* developmental stage (late embryos and hatchlings) on abnormalities, oxygen consumption rates, octopine concentration, thermal tolerance limits (LT50 and Lt100), and HSP70/HSC70, GST, CAT, SOD and MDA contents.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|   | **df** | **MS** | **F** | **p** |
| **Abnormalities** |  |  |  |  |
| *Temperature (T)* | 3 | 0.088 | 85.4 | 0.000 |
| *Stage (S)* | 1 | 0.335 | 32407 | 0.000 |
| *T x S* | 3 | 0.043 | 41032 | 0.000 |
| *Error* | 24 | 0.001 |  |  |
|  |  |  |  |  |
| **OCR** |  |  |  |  |
| *Temperature (T)* | 3 | 424.1 | 332.8 | 0.000 |
| *Stage (S)* | 1 | 3792.6 | 2976.1 | 0.000 |
| *T x S* | 6 | 88.6 | 69.5 | 0.000 |
| *Error* | 60 | 1.3 |  |  |
|  |  |  |  |  |
| **Octopine** |  |  |  |  |
| *Temperature (T)* | 3 | 0.9 | 12.3 | 0.000 |
| *Stage (S)* | 1 | 11.6 | 155.2 | 0.000 |
| *T x S* | 3 | 1.2 | 16.1 | 0.000 |
| *Error* | 16 | 0.1 |  |  |
|  |  |  |  |  |
| **Lt50** |  |  |  |  |
| *Temperature (T)* | 3 | 3.9 | 59.2 | 0.000 |
| *Stage (S)* | 1 | 40.5 | 715.1 | 0.000 |
| *T x S* | 3 | 0.9 | 12.3 | 0.000 |
| *Error* | 16 | 0.1 |  |  |
|  |  |  |  |  |
| **Lt100** |  |  |  |  |
| *Temperature (T)* | 3 | 2.5 | 39.0 | 0.000 |
| *Stage (S)* | 1 | 30.9 | 488.8 | 0.000 |
| *T x S* | 3 | 1.4 | 22.4 | 0.000 |
| *Error* | 16 | 0.0 |  |  |
|  |  |  |  |  |
| **GST** |  |  |  |  |
| *Temperature (T)* | 3 | 225,171 | 33.5 | 0.000 |
| *Stage (S)* | 1 | 1470,897 | 219.2 | 0.000 |
| *T x S* | 3 | 253,818 | 37.8 | 0.000 |
| *Error* | 16 | 6,712 |  |  |
|  |  |  |  |  |
| **SOD** |  |  |  |  |
| *Temperature (T)* | 3 | 0.62 | 7.2 | 0.003 |
| *Stage (S)* | 1 | 0.00 | 0.0 | 0.885 |
| *T x S* | 3 | 0.69 | 8.0 | 0.002 |
| *Error* | 16 | 0.09 |  |  |
|  |  |  |  |  |
| **MDA** |  |  |  |  |
| *Temperature (T)* | 3 | 0.003 | 67.9 | 0.000 |
| *Stage (S)* | 1 | 0.001 | 33.0 | 0.000 |
| *T x S* | 3 | 0.001 | 21.4 | 0.000 |
| *Error* | 16 | 0.000 |  |  |
|  |  |  |  |  |
| **HSP70/HSC70** |  |  |  |  |
| *Temperature (T)* | 3 | 0.84 | 959.6 | 0.000 |
| *Stage (S)* | 1 | 0.08 | 91.1 | 0.000 |
| *T x S* | 3 | 0.05 | 59.3 | 0.000 |
| *Error* | 16 | 0.00 |  |  |
|  |  |  |  |  |
| **CAT** |  |  |  |  |
| *Temperature (T)* | 3 | 0.000 | 0.431 | 0.732 |
| *Stage (S)* | 1 | 0.003 | 6.898 | 0.013 |
| *T x S* | 3 | 0.001 | 1.398 | 0.260 |
| *Error* | 34 | 0.000 |   |   |