**TABLE S2** | ANCOVA analysis of the relationship between wet weight and experimental time of *Octopus maya* juveniles exposed or not to the different substances (or cold sea water) and handling. Note that two groups were formed: one of the animals anesthetized with clove oil and manipulated and the other with the remaining treatments.

| Statistics                                    | Animals exposed or not to the different substances or cold sea water (except clove oil) ± handling | Animals exposed to clove oil + handling |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------|----------------------------------------|
| Slope                                         | 0.028 ± 0.0020                                                                                   | 0.016 ± 0.0038                         |
| Y-intercept when X= 0.0                       | 0.47 ± 0.045                                                                                     | 0.26 ± 0.080                           |
| X-intercept when Y= 0.0                       | -17                                                                                              | -16                                    |
| 1/slope                                       | 35                                                                                               | 62                                     |
| 95% interval of confidence                    |                                                                                                  |                                        |
| slope                                         | 0.024 to 0.032                                                                                   | 0.0083 to 0.024                       |
| Y-intercept when X=0.0                        | 0.38 to 0.56                                                                                     | 0.089 to 0.42                         |
| X-intercept when Y=0.0                        | -23 to -12                                                                                        | -47 to -4.0                            |
| Goodness of Fit                               |                                                                                                  |                                        |
| R square                                      | 0.79                                                                                             | 0.45                                  |
| Sy.x                                          | 0.21                                                                                             | 0.26                                  |
| Is slope significantly non-zero?              |                                                                                                  |                                        |
| F                                             | 195                                                                                              | 18                                    |
| DFn, DFd                                      | 1,0, 52                                                                                           | 1,0, 22                               |
| < 0.0001                                      | Significant                                                                                       | Significant                           |

Are the slopes equal? No;

F = 12.8292, DFn=1 DFd=74

P=0.0006077