

**Table 2**

Dark respiration rate (DR;  $\text{nmol O}_2 \text{ g}^{-1}\text{FW s}^{-1}$ ) of *F. vesiculosus* from the Bothnian Sea (northern Baltic, salinity 5 psu) and the Irish Sea (salinity 35 psu)

| Algae        | Cd ( $\text{mmol l}^{-1}$ ) | Initial DR | DR after 4 h | Change (%) | <i>p</i> |
|--------------|-----------------------------|------------|--------------|------------|----------|
| Bothnian Sea | 0.01                        | -1.56      | -1.57        | 5.1        | n.s.     |
|              | 0.1                         | -1.87      | -2.07        | 11.1       | *        |
|              | 1.0                         | -1.88      | -2.36        | 25.7       | *        |
|              | 10.0                        | -1.89      | -2.94        | 55.6       | **       |
|              | Control                     | -1.32      | -1.29        | -1.6       | n.s.     |
| Irish Sea    | 0.01                        | -1.30      | -1.23        | -4.9       | n.s.     |
|              | 0.1                         | -1.35      | -1.38        | 2.3        | n.s.     |
|              | 1.0                         | -1.36      | -1.32        | -2.9       | n.s.     |
|              | 10.0                        | -1.61      | -2.09        | 29.9       | *        |
|              | Control                     | -1.44      | -1.46        | 1.3        | n.s.     |

Measurements ( $n = 5$ ) were performed after 10 min dark adaptation, prior and after exposure to Cd at different concentrations (0.01, 0.1, 1.0 and 10.0  $\text{mmol l}^{-1}$ ) for 4 h (8 °C). Controls ( $n = 5$ ) were kept in natural seawater without addition of Cd. The change (%) between initial DR and DR after 4 h exposure to Cd is shown with the significance expressed as *p*-value.

n.s., non significant.

\*  $p \leq 0.05$ .

\*\*  $p \leq 0.01$ .

\*\*\*  $p \leq 0.001$ .