**Supplementary Table 2**. Antioxidant activity measured in Antarctic lichen thalli (μg / g dry mass); AW and AL - water- and lipid-soluble antioxidative capacity in lichen extracts; n = 3 for each lichen species.

|  |  |
| --- | --- |
| Lichen species | Integral antioxidant activity, μg / g dry mass  |
| AW | AL |
|  | Maritime Antarctic |  |
| *U. aurantiaco-atra* | 1,780 ± 230 | 750 ± 90 |
| *P. muscigena* | 250 ± 70 |  750 ± 120 |
| *P. caesia* | 500 ± 95 | 4,010 ± 169 |
| *R. terebrata*  | 1,390 ± 320 | 500 ± 87 |
| *T. brialmontii* | 14,740 ± 750 | 11,260 ± 220 |
|  | Continental Antarctic |  |
| *U. aprina* | 2,500 ± 230 | 1,500 ± 300 |
| *U. decussata* | 190 ± 70 | 500 ± 95 |
| *U. sphacelata* | 630 ± 87 | 500 ± 97 |