**S2 Table.** Pearson correlation of four assays for each species. The number indicates the correlation coefficient, the asterisk indicates the significance levels \* ≤ 0.05; \*\* ≤ 0.01; \*\*\* ≤ 0.001. n.s. not significant; TAA, total ascorbic acid.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Species** | **Metabolites** | **Flavonoids** | | **Phenols** | | **TAA** | | **Proline** | |
| *C. maritimum* | ORAC | 0.632 | \*\*\* | 0.781 | \*\*\* | 0.16 | n.s. | 0.297 | \*\*\* |
| flavonoids |  |  | 0.818 | \*\*\* | 0.227 | n.s. | 0.407 | \*\*\* |
| phenols |  |  |  |  | 0.378 | \*\*\* | 0.449 | \*\*\* |
| TAA |  |  |  |  |  |  | 0.062 | n.s |
| *T. maritima* | ORAC | 0.577 | \*\*\* | 0.86 | \*\*\* | 0.344 | \*\*\* | 0.206 | \* |
| flavonoids |  |  | 0.626 | \*\*\* | 0.295 | \*\*\* | 0.296 | \*\*\* |
| phenols |  |  |  |  | 0.475 | \*\*\* | 0.262 | \*\* |
| TAA |  |  |  |  |  |  | 0.113 | n.s |
| *H. portulacoides* | ORAC | 0.775 | \*\*\* | 0.966 | \*\*\* | 0.874 | \*\*\* | 0.643 | \*\*\* |
| flavonoids |  |  | 0.755 | \*\*\* | 0.694 | \*\*\* | 0.552 | \*\*\* |
| phenols |  |  |  |  | 0.902 | \*\*\* | 0.632 | \*\*\* |
| TAA |  |  |  |  |  |  | 0.598 | \*\*\* |