**ORIGINAL RESEARCH ARTICLES -Instructions to authors**

Not more than 40 000 characters without space (excluding reference list)

**Title**

(The title should be concise and appealing. Long and descriptive titles should be avoided.)

**Author names (full names)**

Author affiliations

**Abstract**

Not more than 250 words.

Sum up the most pertinent areas of the article.

Be self-contained for information retrieval purposes: no unexplained abbreviations, scientific name(s) /cultivar/variety of the plant(s) should be spelt out in full, EC numbers should be given for the enzymes mentioned.

A good abstract should therefore contain:

* a brief statement of the problem
* a brief statement of the authors’ objectives
* the major method(s)
* the main result(s)
* a concluding statement indicating how the results have increased our knowledge of the problem.

**1-Introduction**

The introduction should be concise, giving the reader an outline of the subject, presenting the “state-of-the-art”, leading into the reasons for the present study and its aims.

**2-Materials and Methods**

The materials and method section should be detailed. It should provide information on the number of independent experiments and replicates as well as statistical methods. All growth conditions should be properly described, including the trade name and manufacturer of all lamps used, as well as irradiance (W m−2) or photosynthetic photon flux density (μmol m−2 s−1); lux or μE are not acceptable. The trade name(s) and suppliers of apparatus and chemicals used should also be given.

EC numbers should be given for enzymes used.

If the data includes microarray/Affimetrix analysis, authors should refer to the [MIAME recommendations](http://www.mged.org/) for guidance in preparing their manuscripts.

Statistical analysis and the detailed number of repetitions (what do you consider as repetition: a pool of X plants, X individuals coming from time-independent replications…) should be clearly stated. This information should be repeated in the legend of the corresponding Figures/Tables.

**3-Results**

The result section should be as objective and descriptive as possible and written in the past tense. Tables and figures should be comprehensible as far as possible without reference to the main text (including brief but descriptive legends).

**4- Discussion**

The discussion should not merely be a catalogue of results. The authors need to show how their findings advance our knowledge and understanding of the topic investigated. The discussion must be concisely written with the main points of the work logically presented and with reference to the relevant tables, figures and literature.

If applicable, discussion could be joint with results.

**5-Conclusions (not mandatory)**

Provide a concise conclusion of the main findings. Include details of the potential wider use of the resource to the community, clearly demonstrating that the data has potential beyond the immediate focus of the initial study.

**Author contributions**

**Acknowledgment**

**Data availability statement**

<https://physiologiaplantarum.org/instructions-for-manuscrip/#Data%20availability%20statement>

**Reference list**

**Figure legends**

Max 7 Figures (uploaded individually as tiff, png or pdf)