**RESOURCE ARTICLES -Instructions to authors**

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

**Author names (full names)**

Author affiliations

**Abstract**

The abstract should be divided into the four following sections:

1. Description of aims, and systems used with explicit link to one of our subject areas
2. Outline of data resources generated
3. Summary of key results
4. Wider utility of the resource.

**1-Introduction**

Should clearly state the biological aim of the study.

**2-Materials and Methods**

Should only include a brief summary of the materials and methods used. A full description should be provided as an online resource in the supplemental materials, including all software version numbers and parameters.

Sufficient replication is essential and should be clearly detailed.

**3-Resource overview**

A brief description of the resource should be provided including an overview of the experimental aims and community value of the resource. This should include details of availability, which should represent more than deposited raw data. For example, at minimum, processed values used for the presented analysis should be available for data resources or a software implementation should be available. Any pipelines should be made available as containers/docker images to ensure useability.

**4-Results and minor discussion**

The result section may only include 3 figures and 2 tables and should contain at least one example of how the resource can be used to provide novel results or biological insights.

The discussion should not include speculations about e.g. gene function where no validation is yet available. Brief discussion of future perspectives to follow up is accepted.

**5-Conclusions**

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 and FAIR (Findable Accessible Interoperable Reusable) compliance statement**

Provide an explanation of how FAIR component compliance has been addressed for the resource. Examples include submission of raw or processed data to public repositories, inclusion of processed data in web interfaces, availability of source code and scripts in repositories such as Git. For web resources any interoperability should be detailed e.g. provision of APIs (Application Programming Interfaces) or similar. Reproducibility must be ensured by depositing code and raw data in public repositories or by inclusion as supplementary material.

**Reference list**

**Figure legends**

Max 6 Figures and 3 Tables