Manuscript title in English

Manuscript title in Spanish

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Contributor Roles

Siembra has adopted the CASRAI **CRediT** taxonomy (Contributor Roles Taxonomy to represent the responsibilities/roles played by contributors of the manuscript. Therefore, the contributions of each author should be clearly defined in the following format:

- First name1 Surname1: conceptualización, investigación, metodología, recursos.
- First name2 Surname2: investigación, software, redacción – borrador original.
- First name3 Surname3: validación, redacción – revisión y edición.

The 14 roles according CRediT taxonomy are:

- **Conceptualization:** Ideas; formulation or evolution of overarching research goals and aims.
- **Data curation:** Management activities to annotate (produce metadata), scrub data and maintain research data (including software code, where it is necessary for interpreting the data itself) for initial use and later re-use.
- **Formal analysis:** Application of statistical, mathematical, computational, or other formal techniques to analyze or synthesize study data.
- **Funding acquisition:** Acquisition of the financial support for the project leading to this publication.
- **Investigation:** Conducting a research and investigation process, specifically performing the experiments, or data/evidence collection.
- **Methodology:** Development or design of methodology; creation of models.

- **Project administration:** Management and coordination responsibility for the research activity planning and execution.
- **Resources:** Provision of study materials, reagents, materials, patients, laboratory samples, animals, instrumentation, computing resources, or other analysis tools.
- **Software:** Programming, software development; designing computer programs; implementation of the computer code and supporting algorithms; testing of existing code components.
- **Supervision:** Oversight and leadership responsibility for the research activity planning and execution, including mentorship external to the core team.
- **Validation:** Verification, whether as a part of the activity or separate, of the overall replication/reproducibility of results/experiments and other research outputs.
- **Visualization:** Preparation, creation and/or presentation of the published work, specifically visualization/data presentation.
- **Writing – original draft:** Preparation, creation and/or presentation of the published work, specifically writing the initial draft (including substantive translation).
- **Writing – review & editing:** Preparation, creation and/or presentation of the published work by those from the original research group, specifically critical review, commentary or revision – including pre- or post-publication stages.

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