**Author contribution statement**

**Title:** Linkage mapping and genome annotation give novel insights into gene family expansions and regional recombination rate variation in the painted lady (*Vanessa cardui*) butterfly

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**Contributions:**

**DS**: Conceptualization, Formal Analysis, Investigation, Data Curation,

Writing, Visualization

**KN**: Conceptualization, Formal Analysis, Investigation, Data Curation,

Writing, Visualization

**LH**: Conceptualization, Investigation, Writing - Review & Editing

**RV**: Conceptualization, Writing - Review & Editing, Funding acquisition

**GT**: Conceptualization, Writing - Review & Editing, Funding acquisition

**NB**: Conceptualization, Resources, Writing - Review & Editing,

Supervision, Project administration, Funding acquisition