

Evaluating the breeding potential of cultivated lentils for protein and amino acid content and quality

unpublished

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Derek Wright, Jiayi Hang, James D House & Kirstin E Bett (2020) **Lentil Protein.** *unpublished*
which is follow-up to:

- Jiayi Hang, Da Shi, Jason Neufeld, Kirstin E. Bett & James D. House. **Prediction of protein and amino acid contents in whole and ground lentils using near-infrared reflectance spectroscopy.** *LWT.* (2022) 165: 113669. doi.org/10.1016/j.lwt.2022.113669

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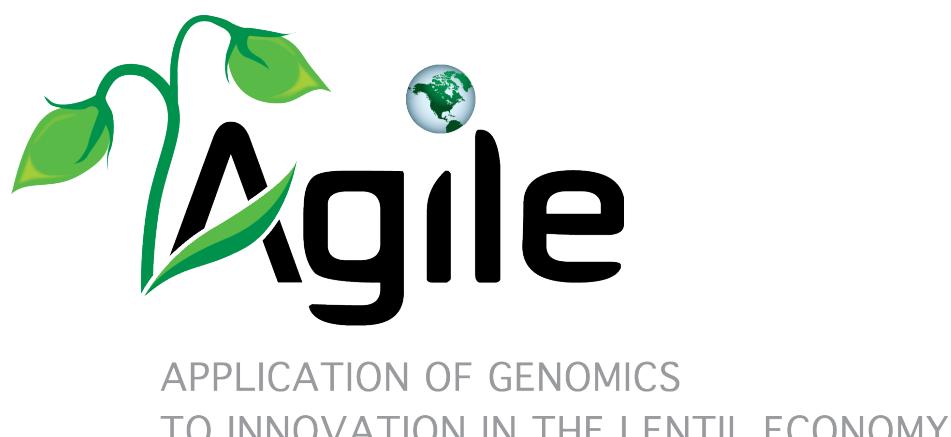
- Derek M. Wright, Sandesh Neupane, Taryn Heidecker, Teketel A. Haile, Crystal Chan, Clarice J. Coyne, Rebecca J. McGee, Sripada Udupa, Fatima Henkrar, Eleonora Barilli, Diego Rubiales, Tania Gioia, Giuseppina Logozzo, Stefania Marzario, Reena Mehra, Ashutosh Sarker, Rajeev Dhakal, Babul Anwar, Debashish Sarker, Albert Vandenberg & Kirstin E. Bett. **Understanding photothermal interactions can help expand production range and increase genetic diversity of lentil (*Lens culinaris* Medik.).** *Plants, People, Planet.* (2020) 00:1-11. doi.org/10.1002/ppp3.10158

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- https://github.com/derekmichaelwright/AGILE_LDP_Protein
 - View as pdf
 - View as HTML
 - Source Code Vignette (LDP_Protein_Vignette.html)

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- Figures
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AGILE



Collaborators

- Department of Plant Sciences and Crop Development Centre, University of Saskatchewan, Saskatoon, Saskatchewan, Canada
- Department of Food and Human Nutritional Sciences, Faculty of Agriculture and Food Science, University of Manitoba, Winnipeg, MB, Canada

Supplemental Table 1

Supplemental_table_01.csv

Figures

Figure 1

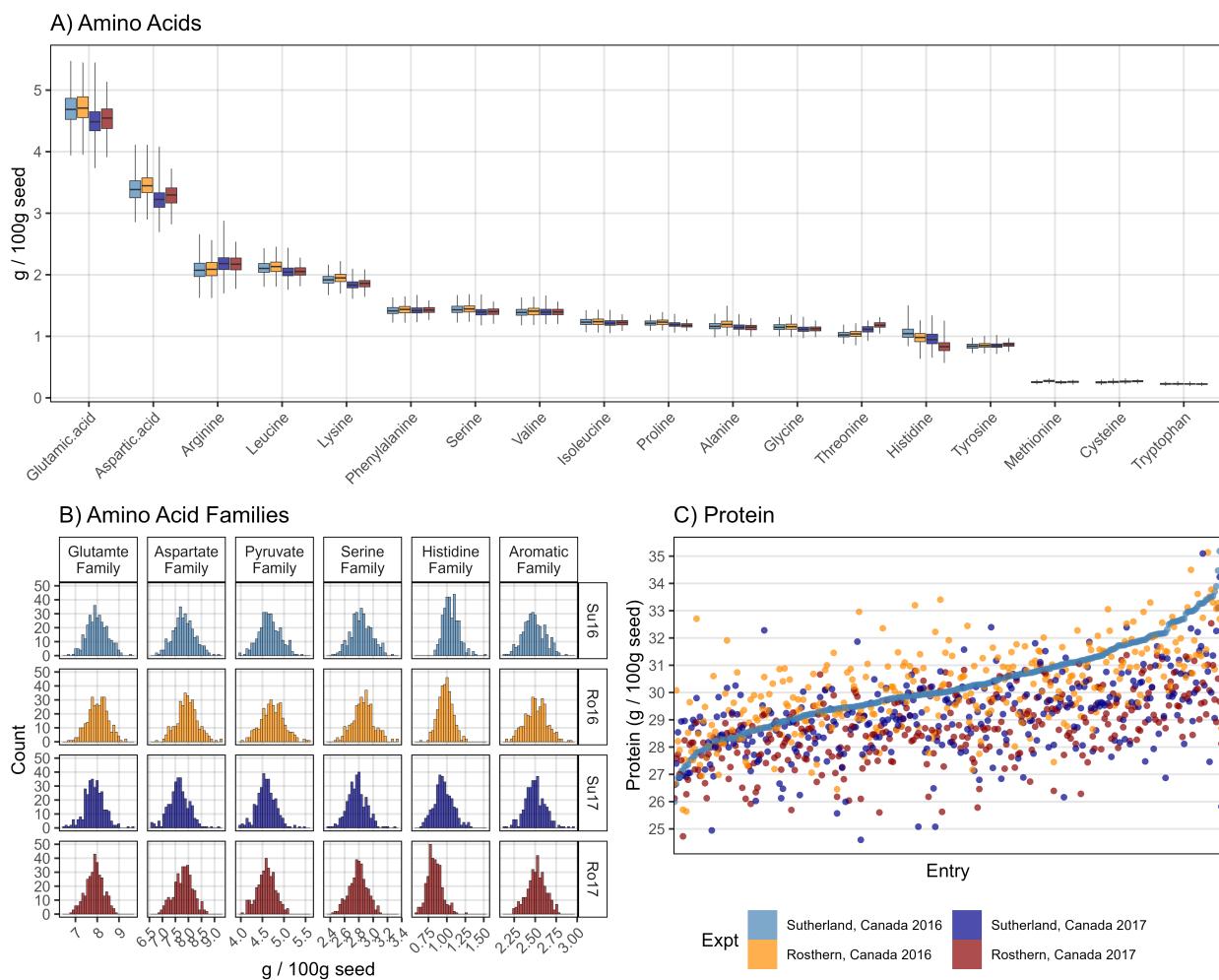


Figure 2.png

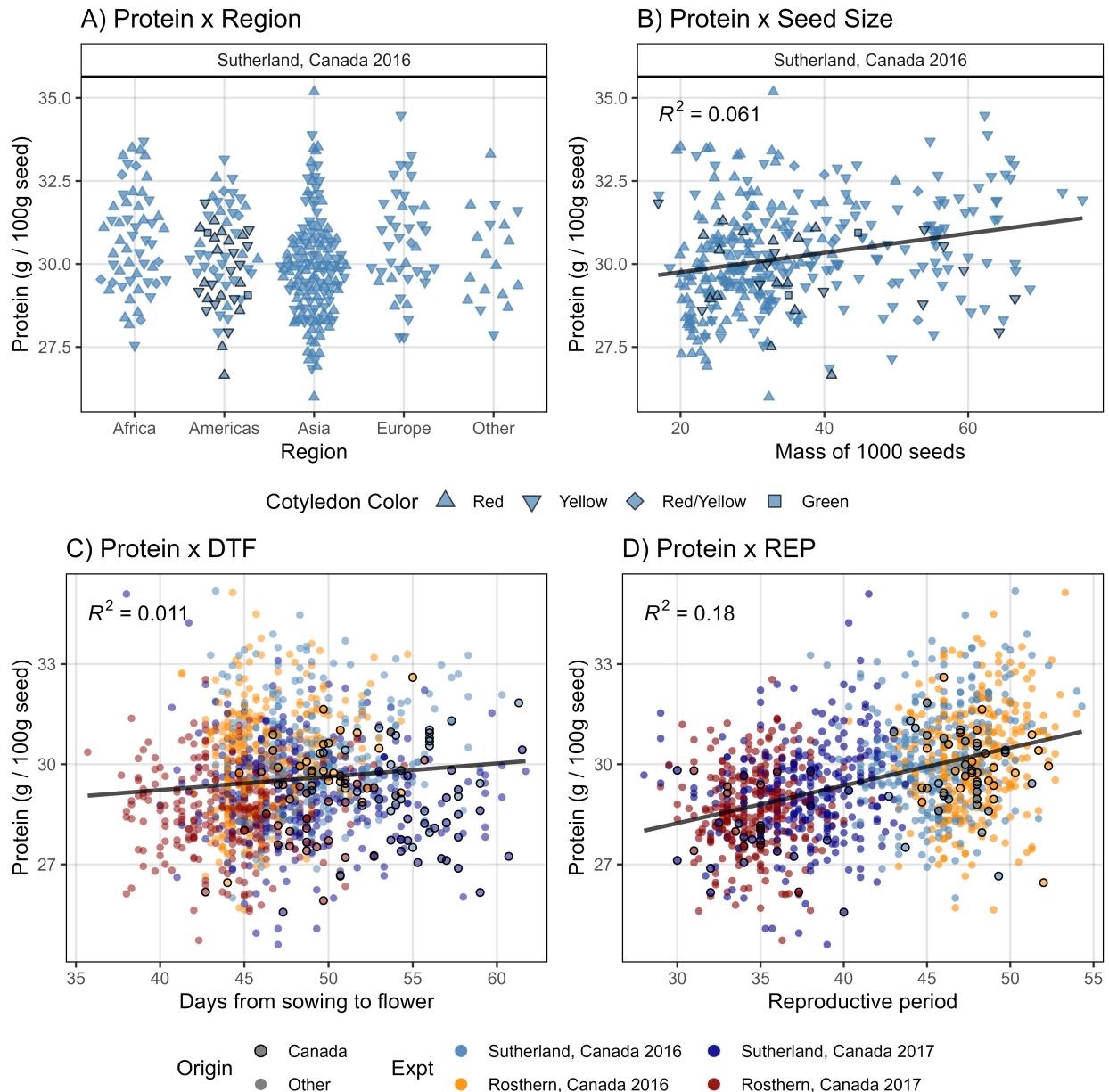


Figure 3.png

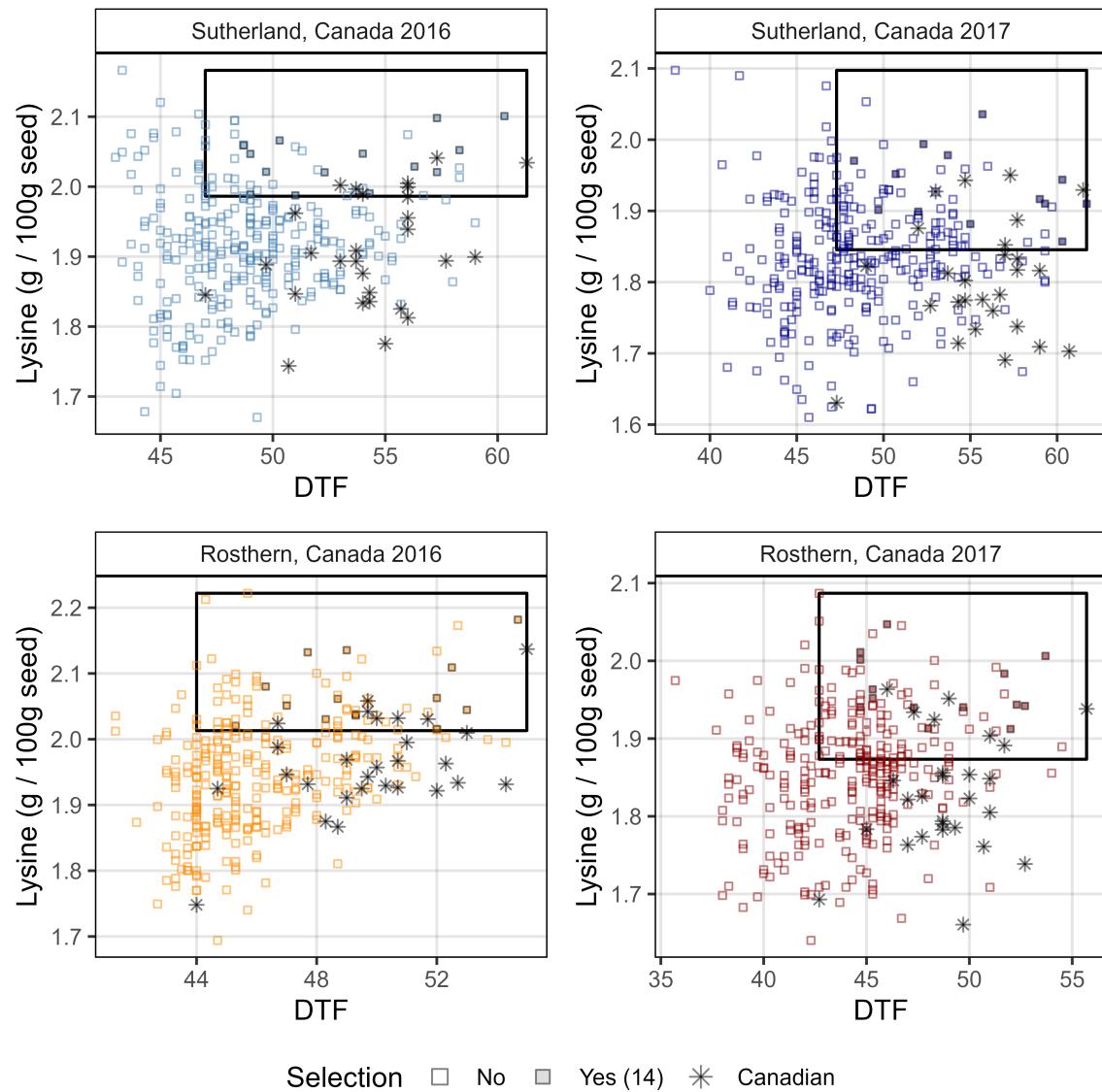


Figure 4.png

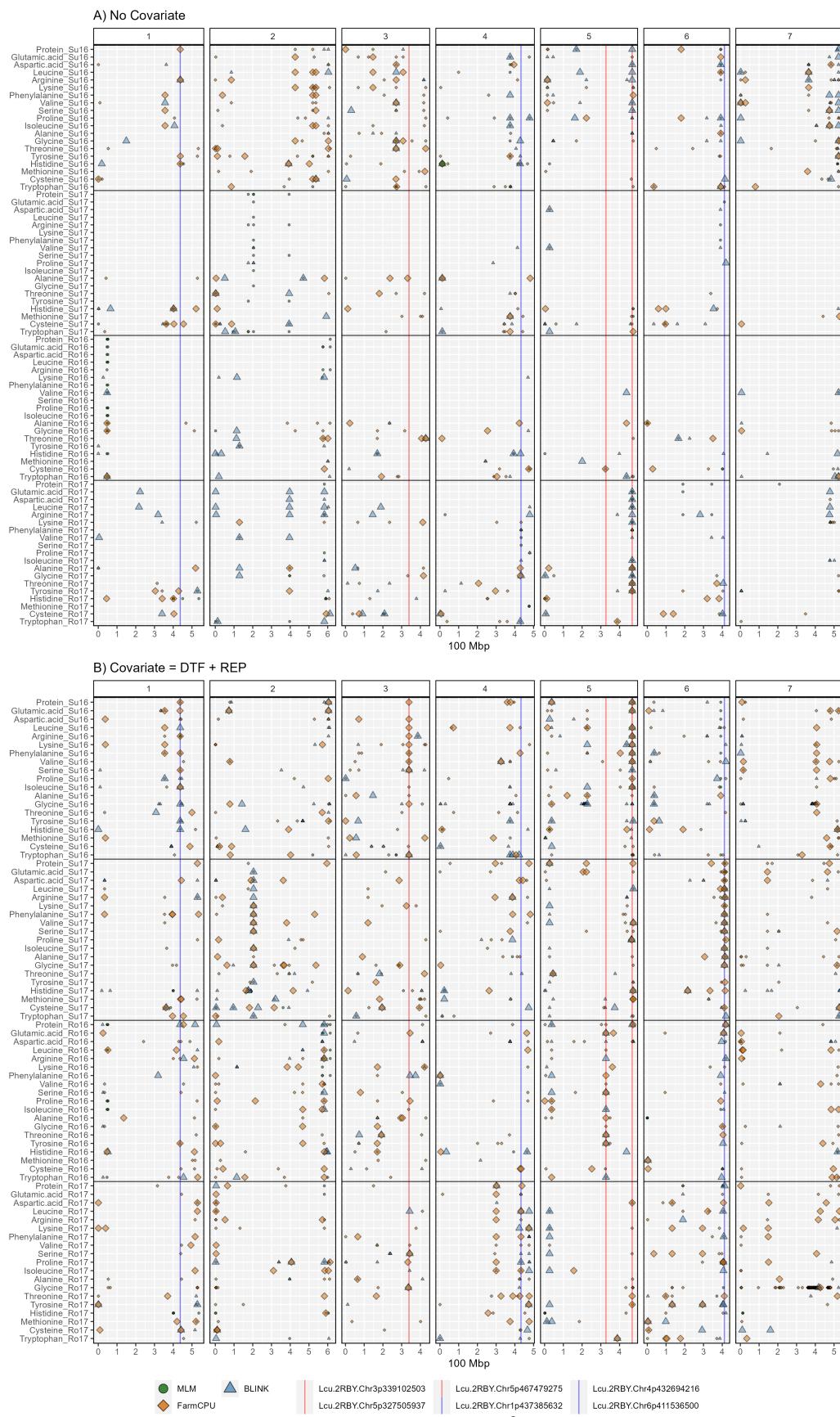
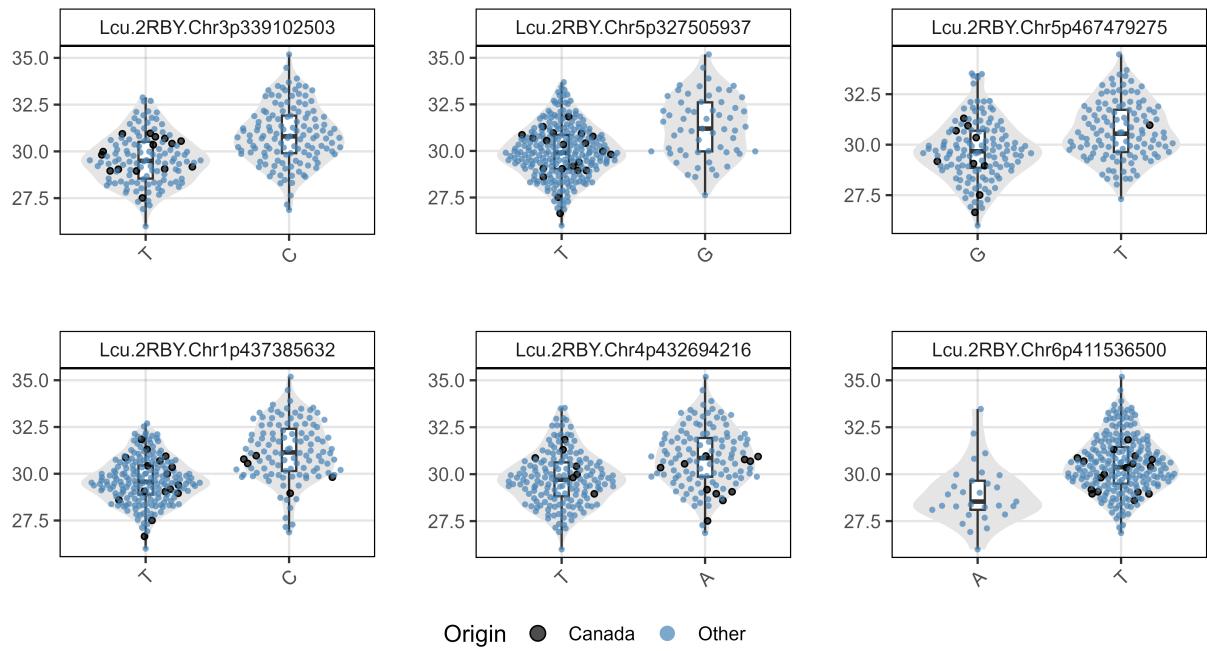
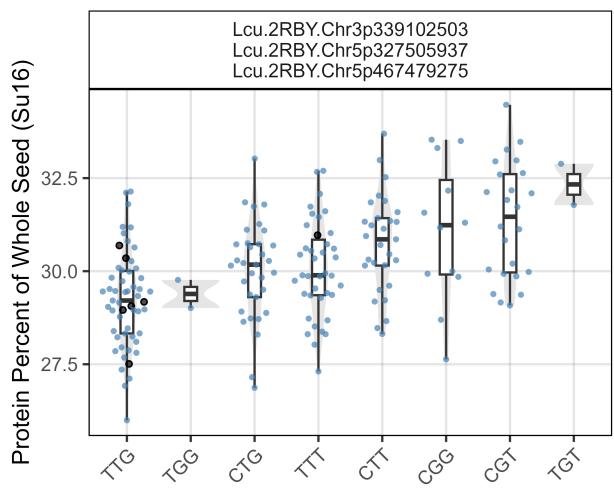


Figure 5.png

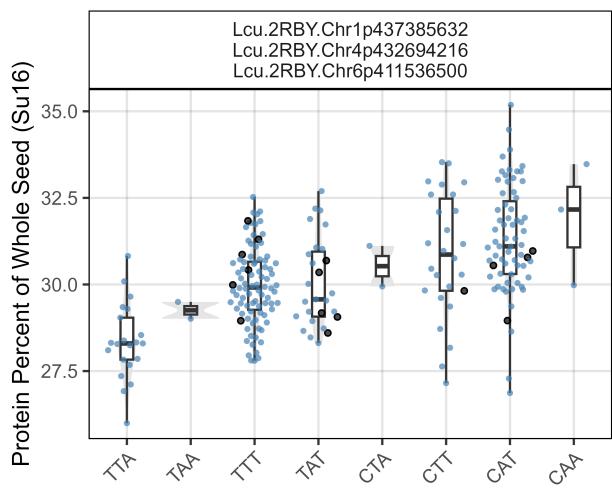
A) Su16 Protein Percent



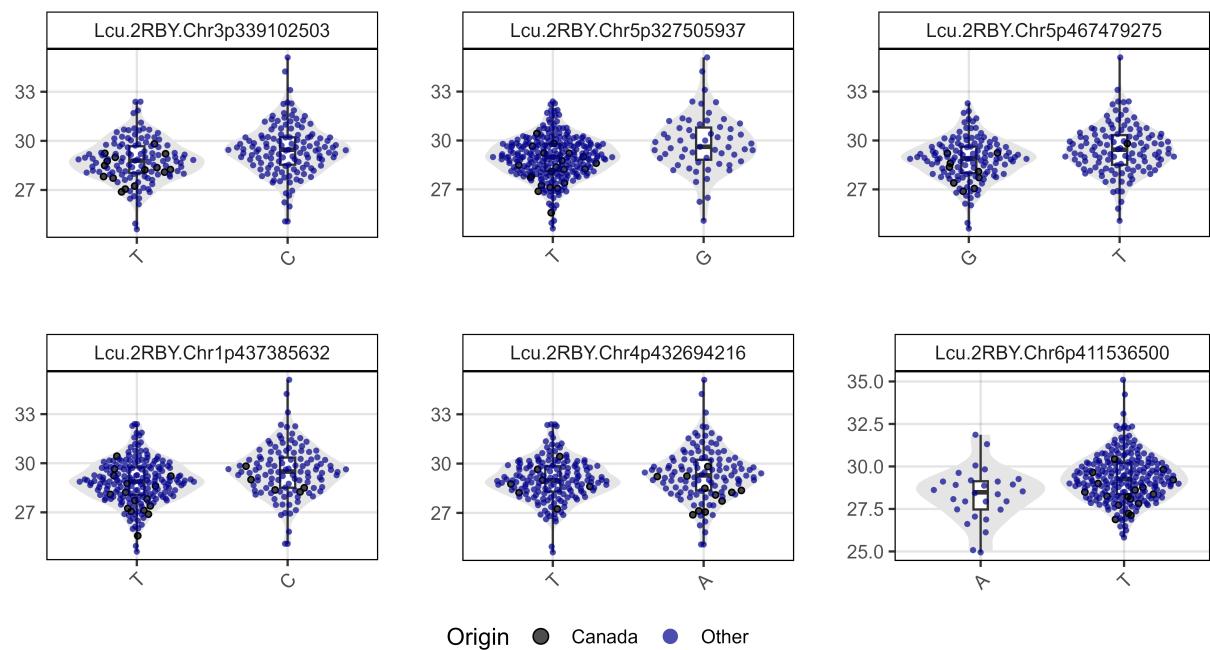
B) Triplet Marker Set 1



C) Triplet Marker Set 2

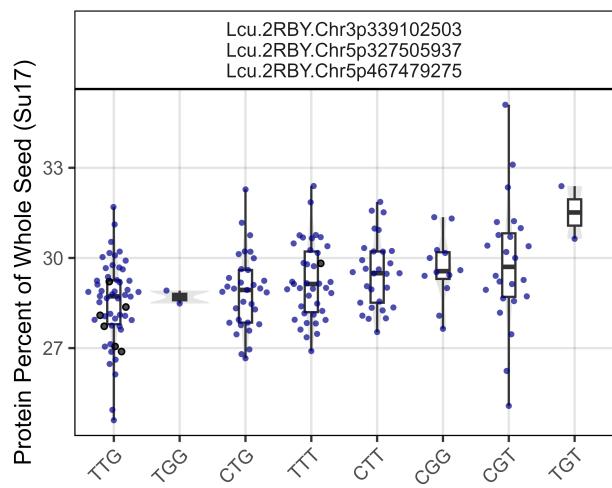


A) Su17

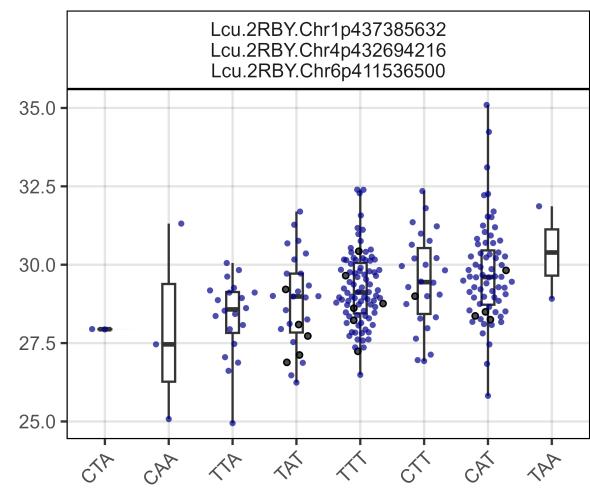


Origin ● Canada ● Other

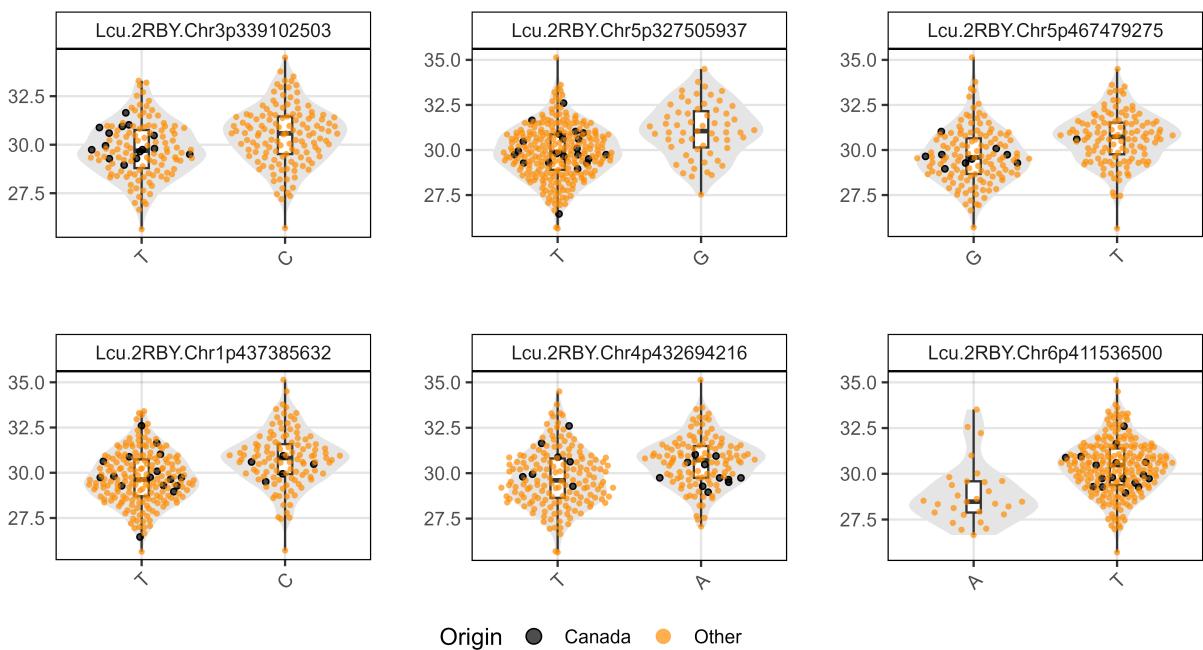
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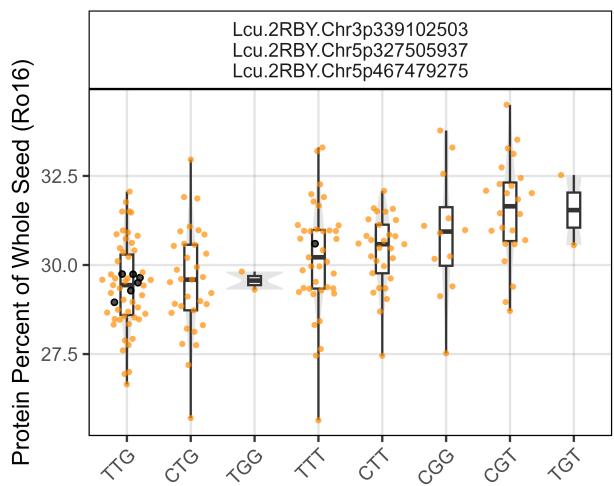
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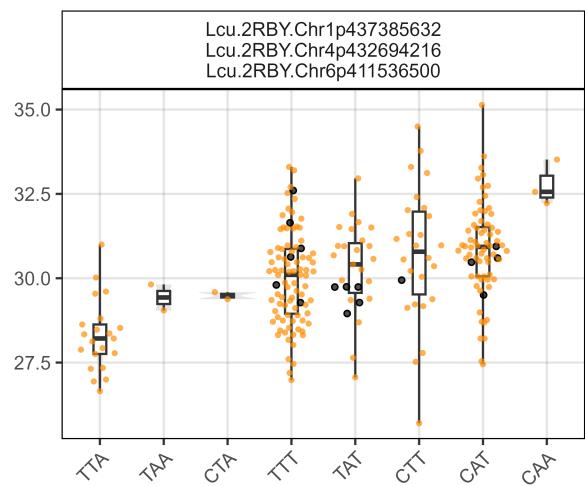
A) Ro16



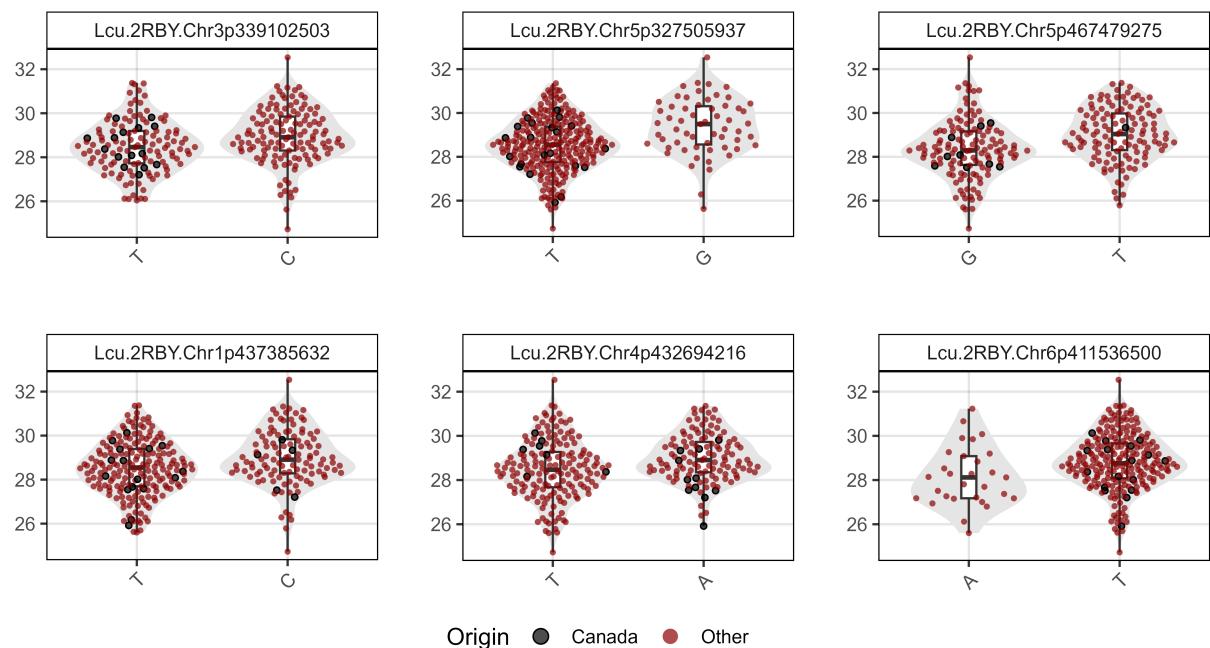
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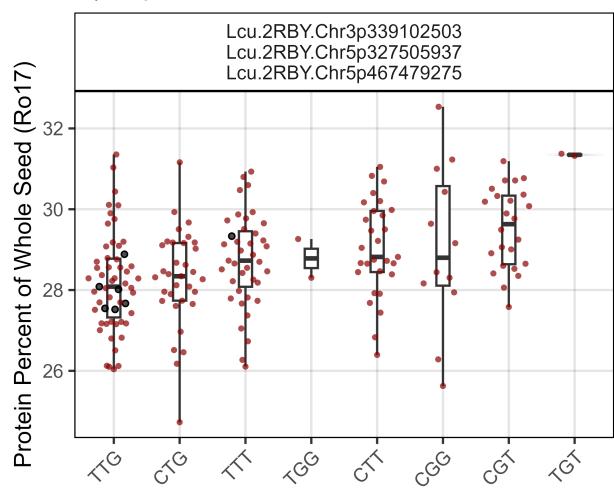


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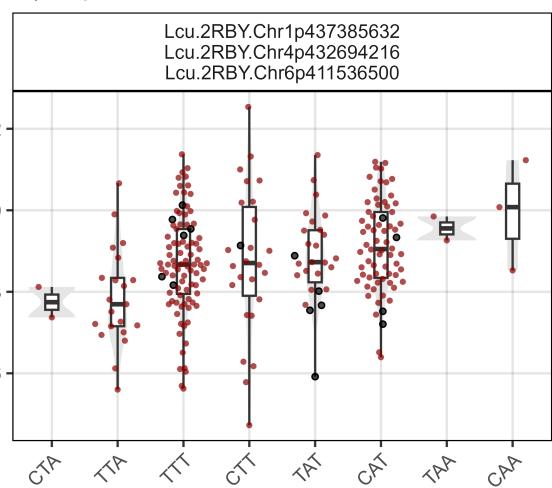


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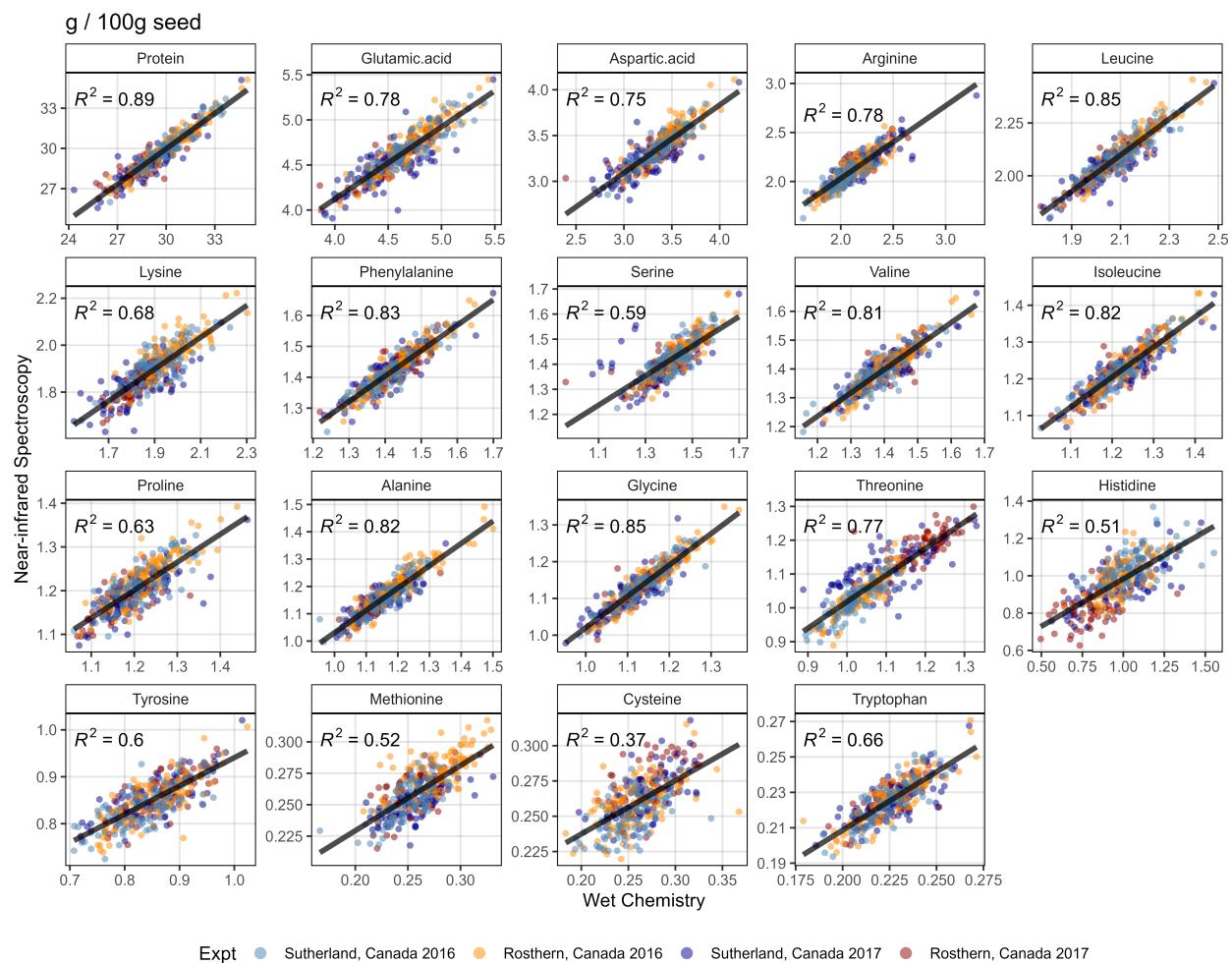


C) Triplet Marker Set 2

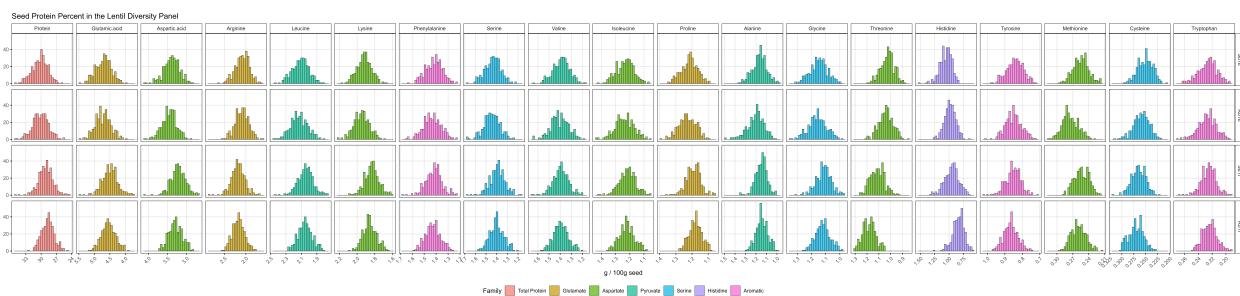


Supplemental Figures

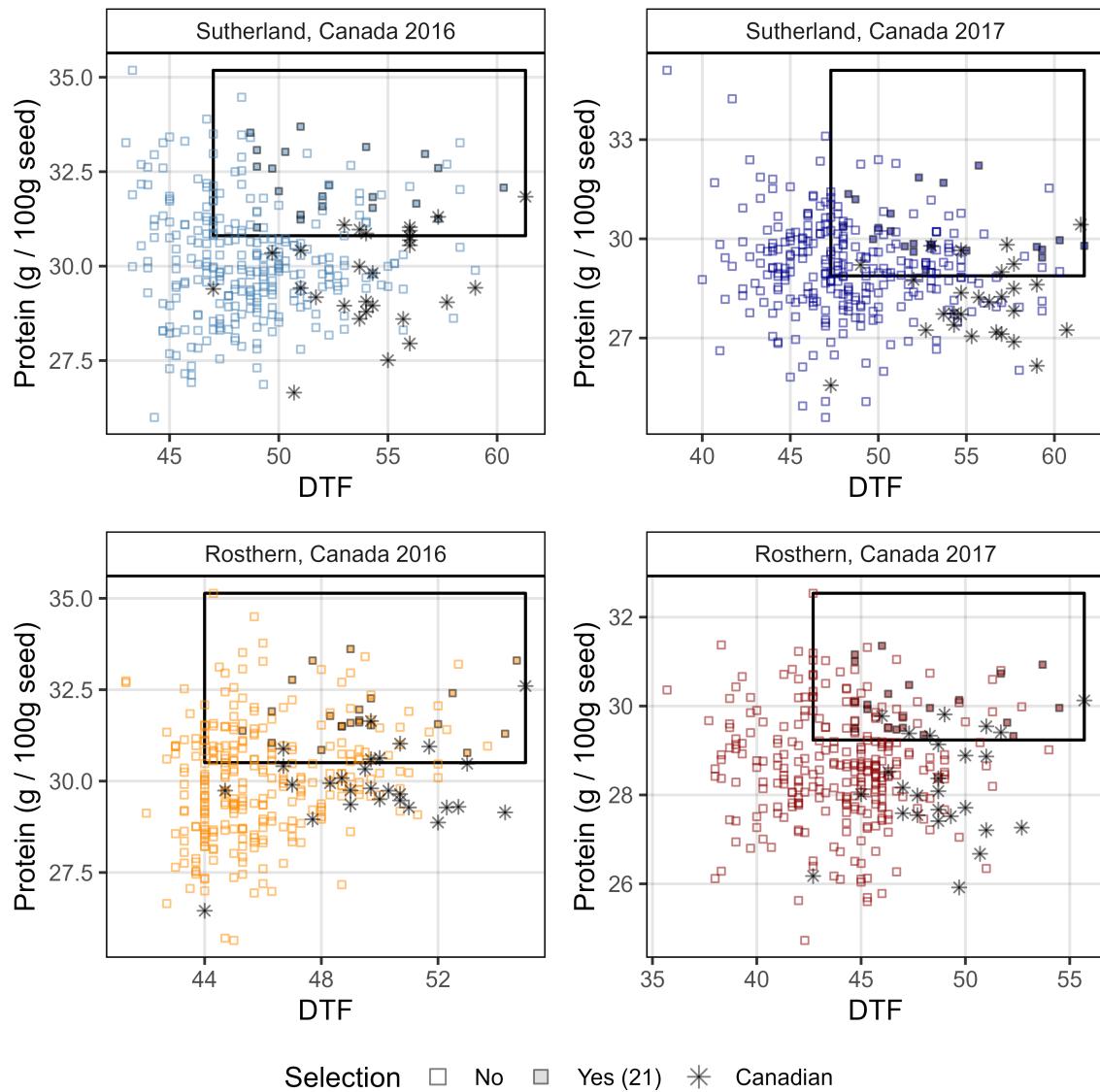
Supplemental Figure 1



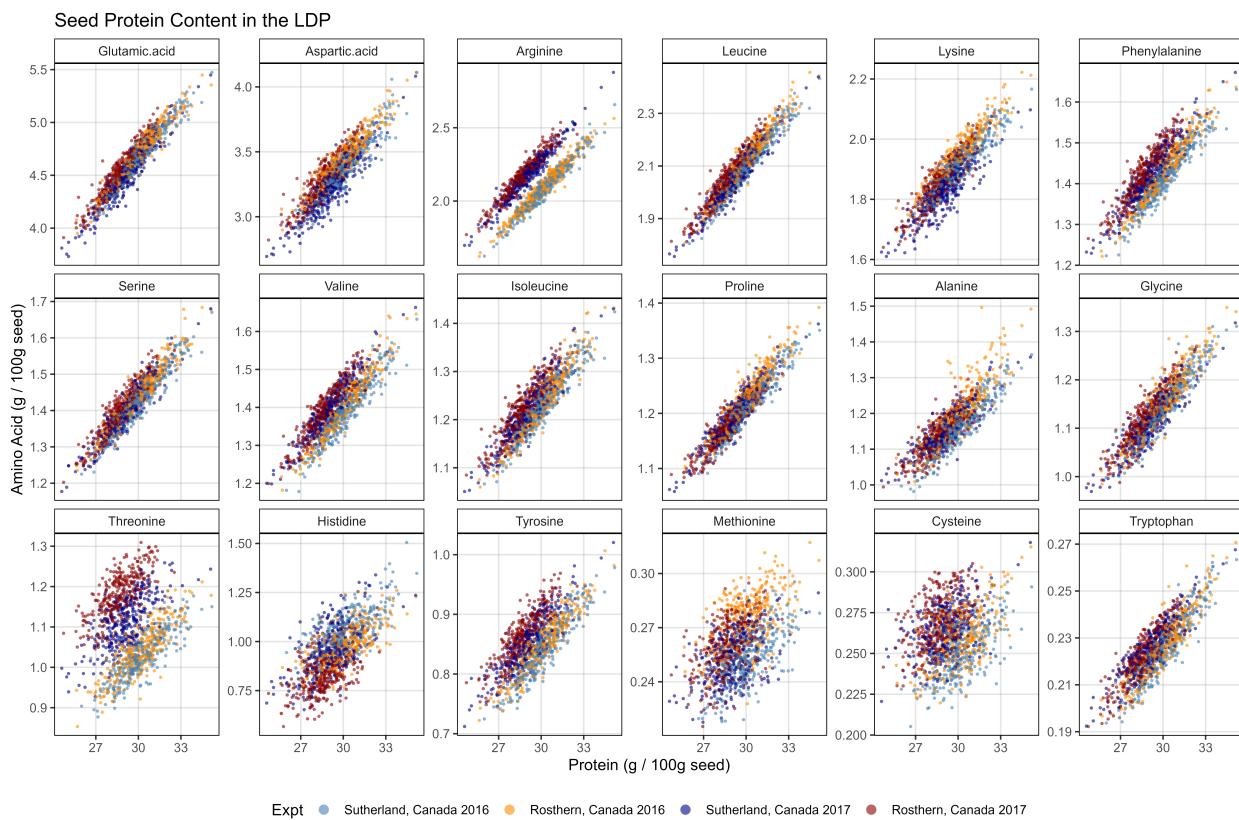
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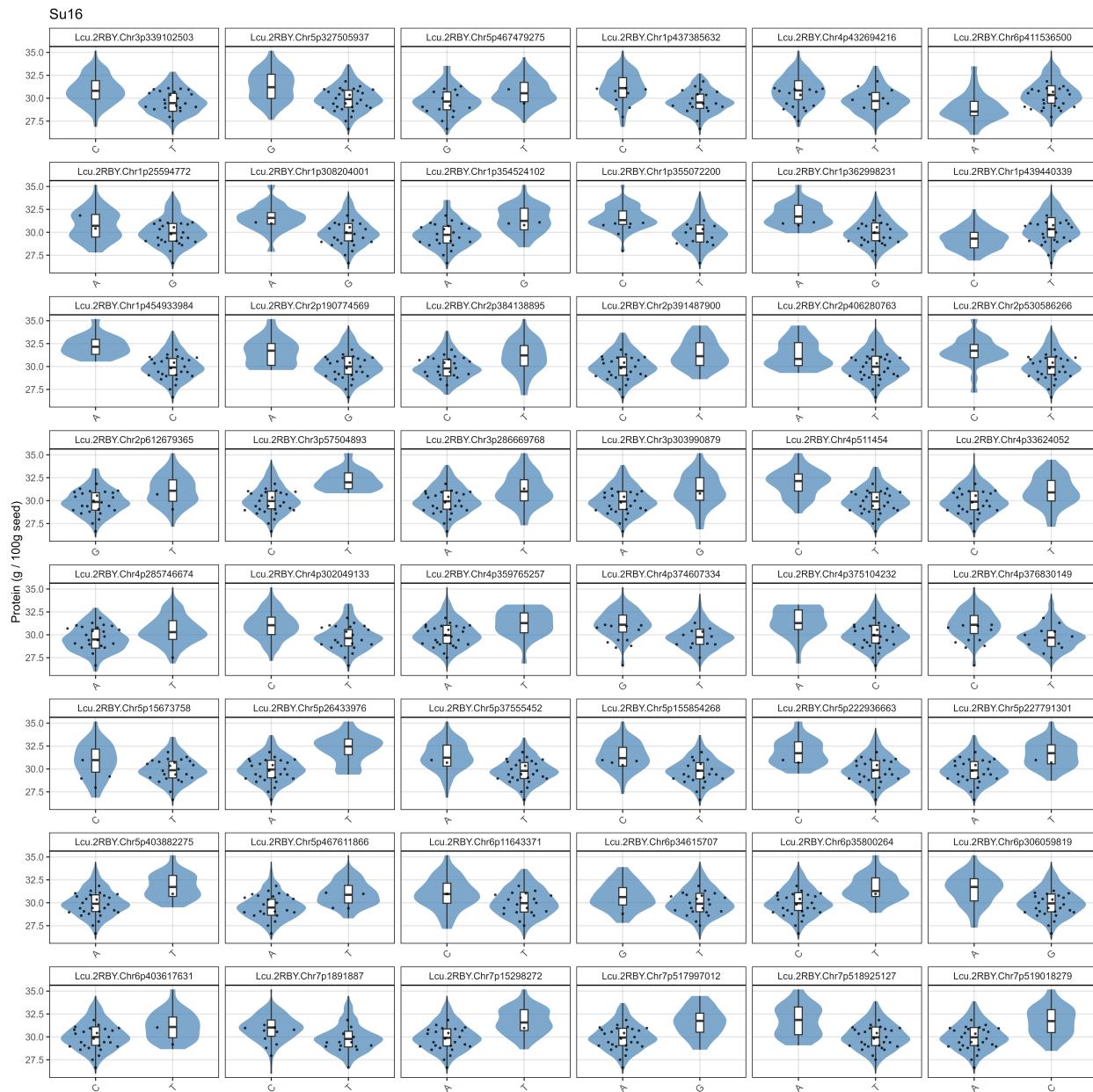
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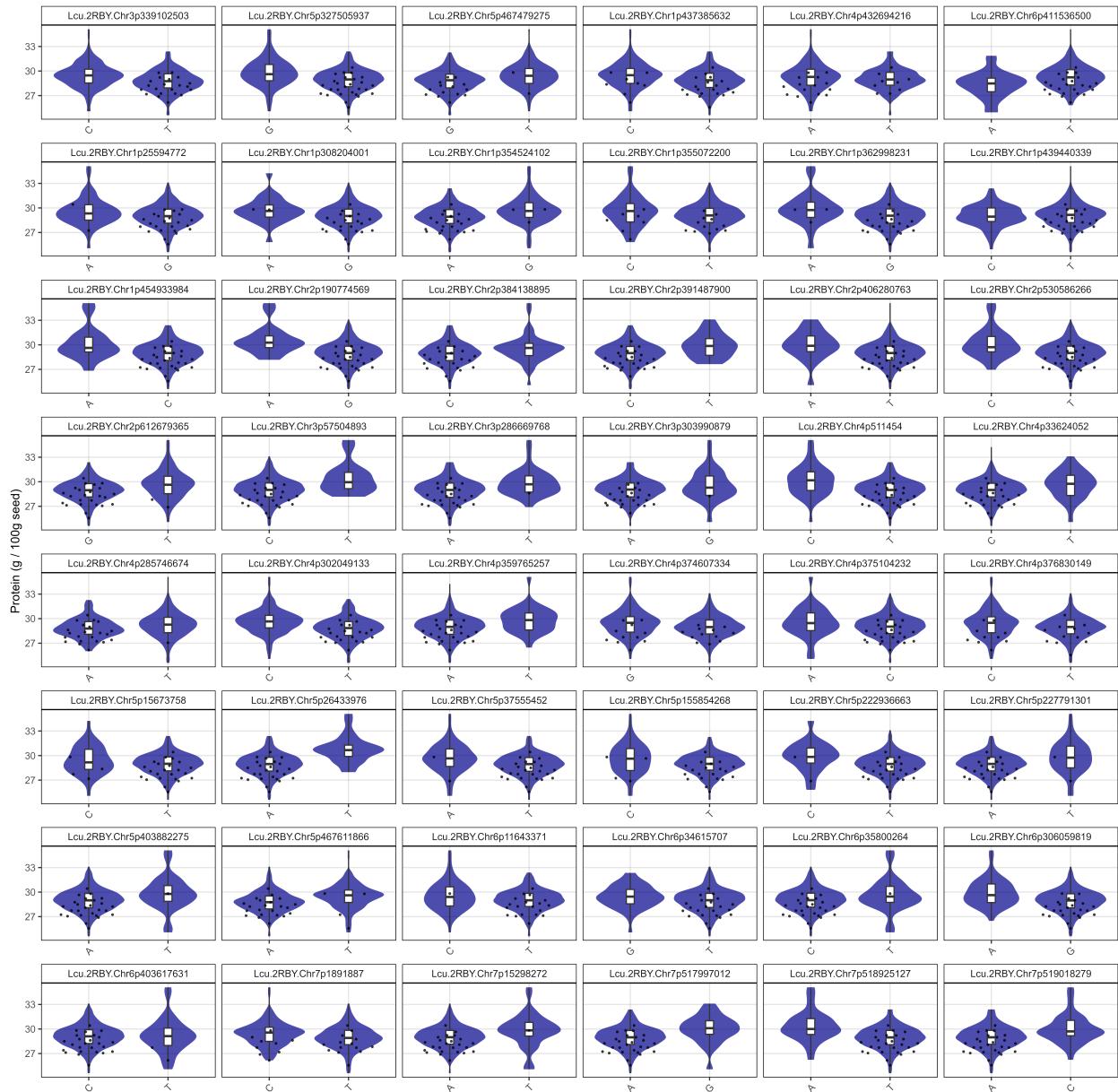
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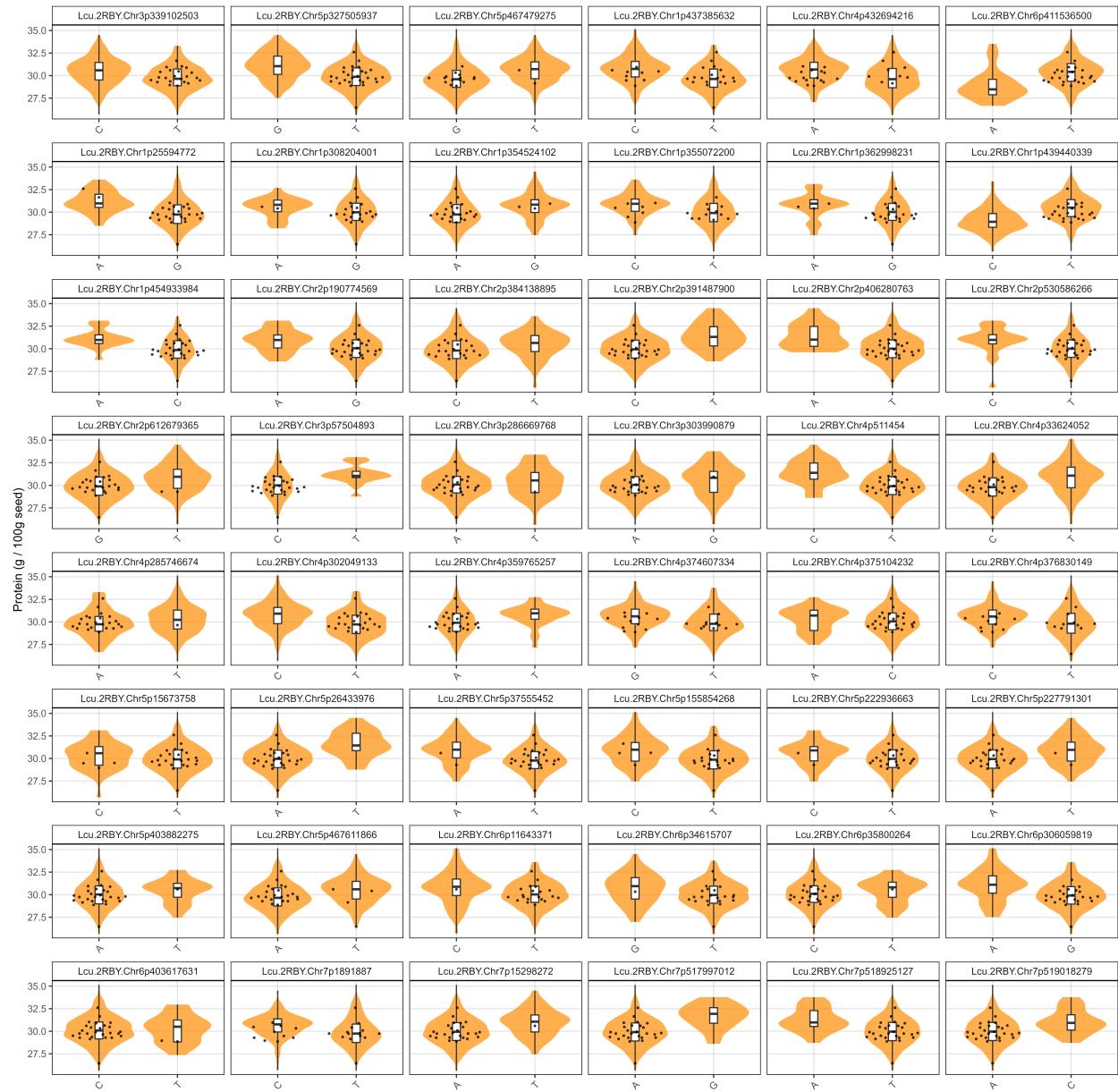
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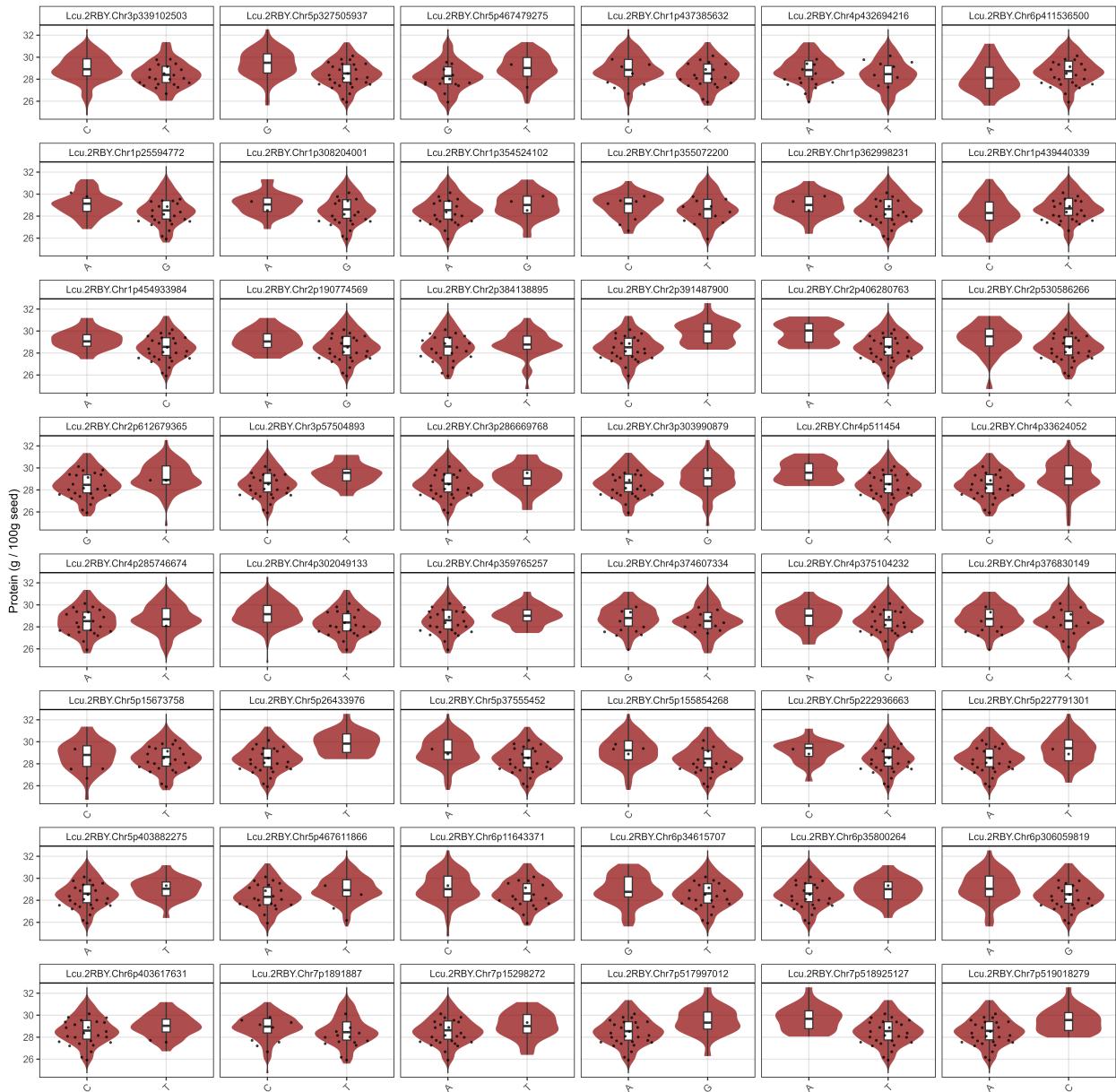
Su17



Ro16

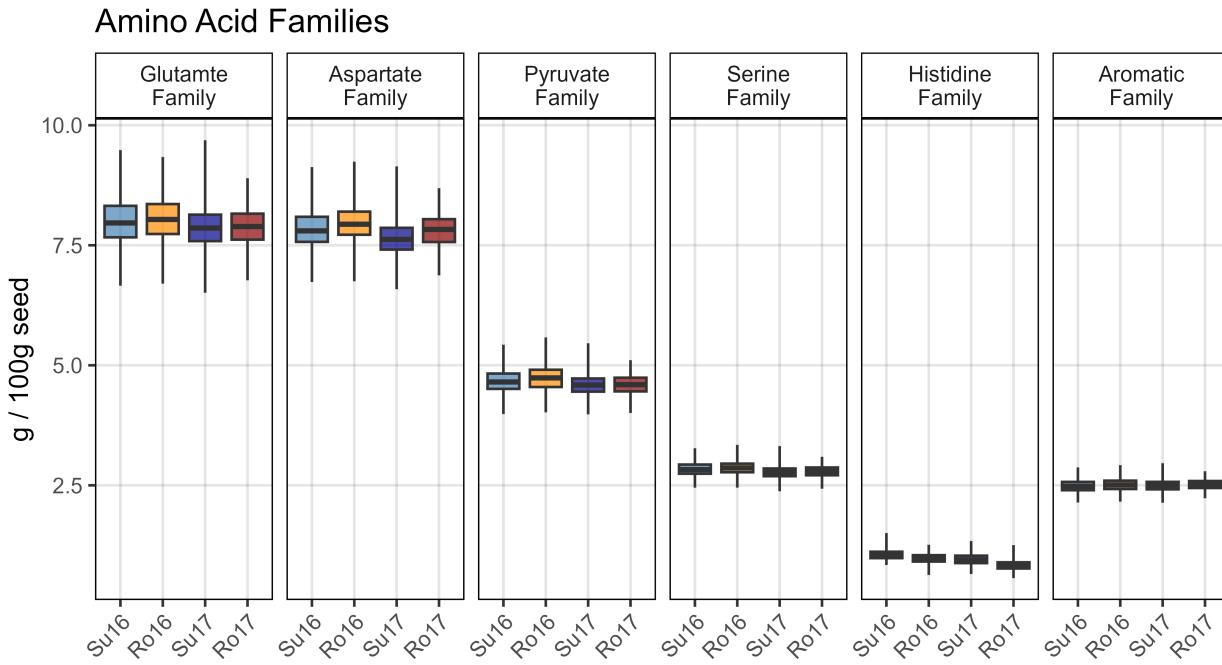


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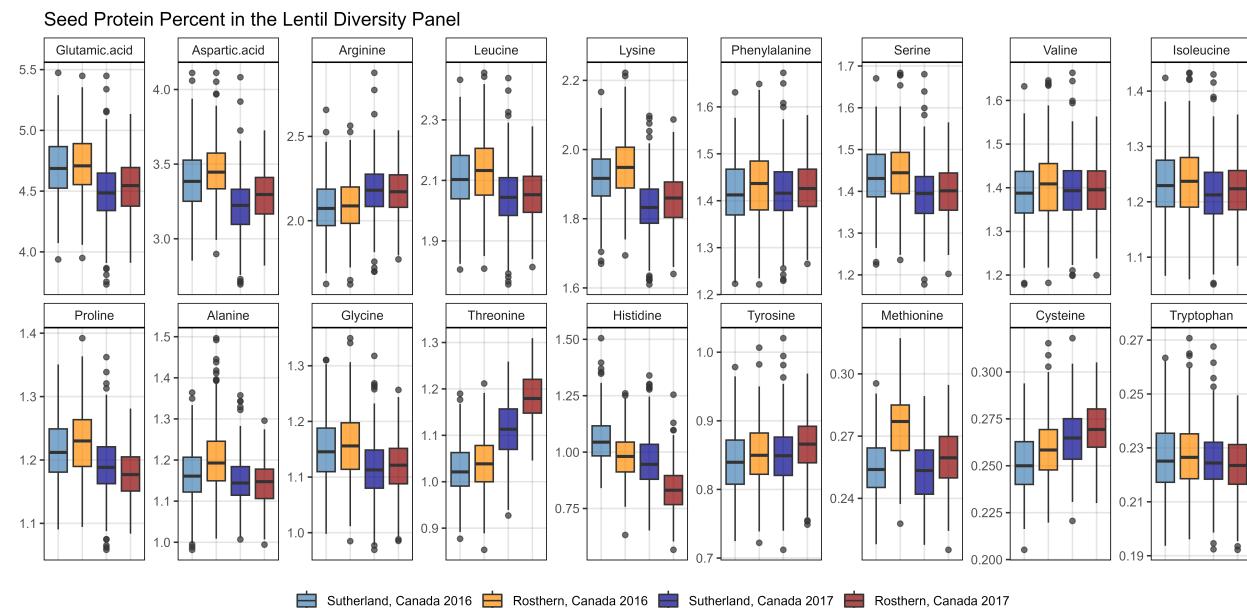


Additional Figures

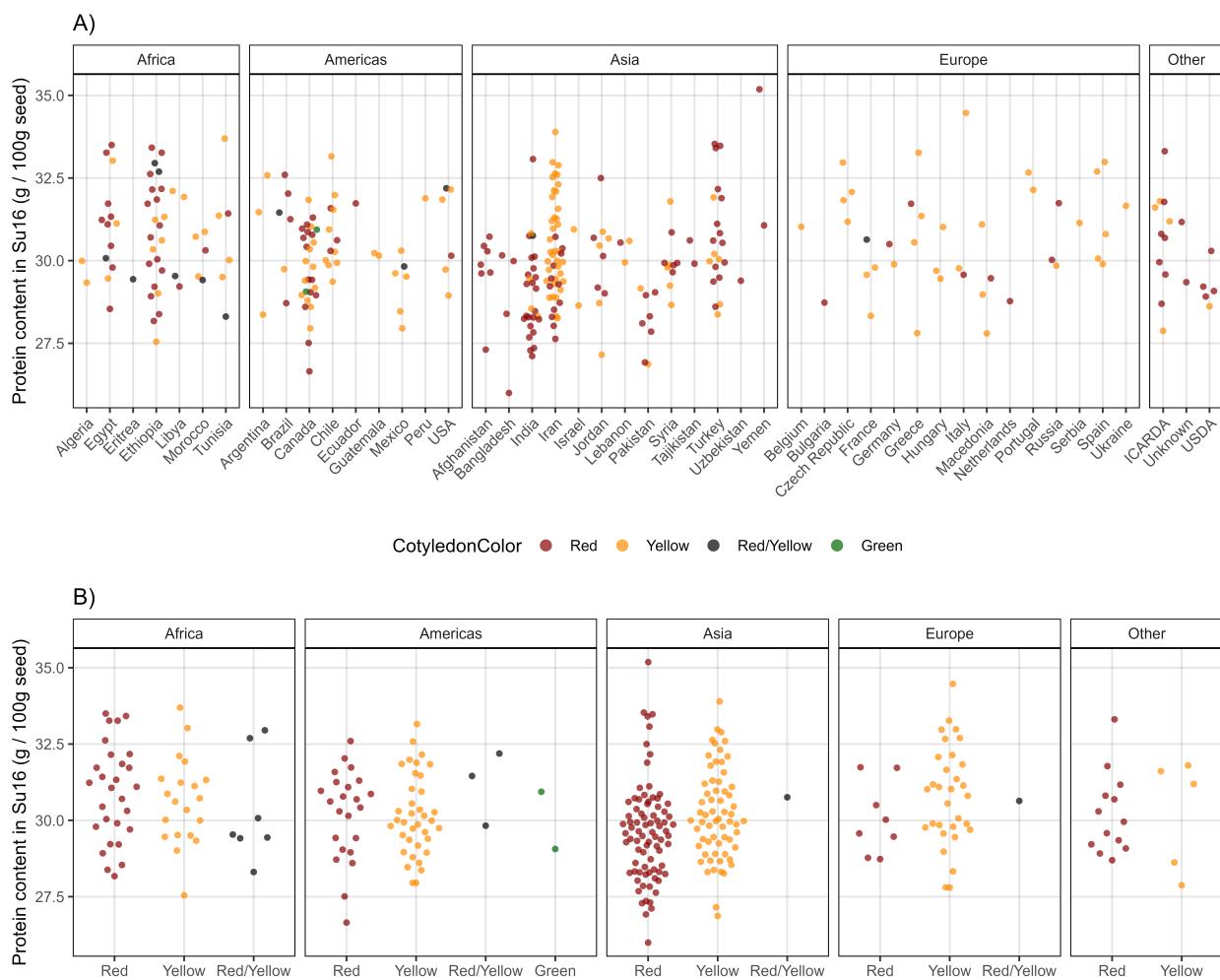
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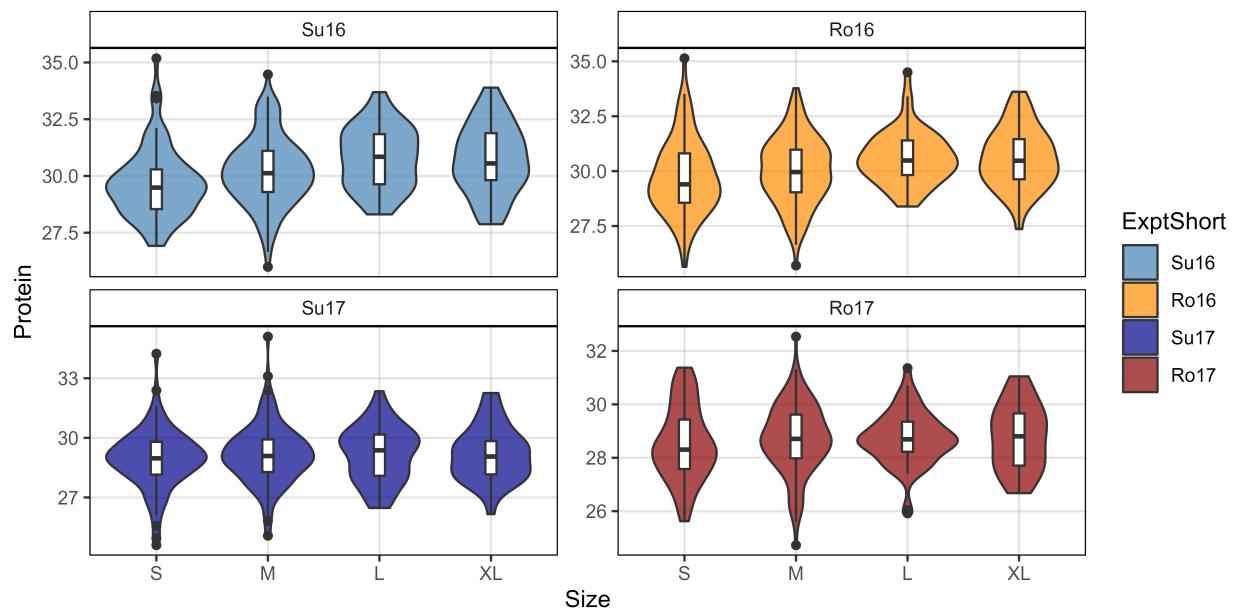
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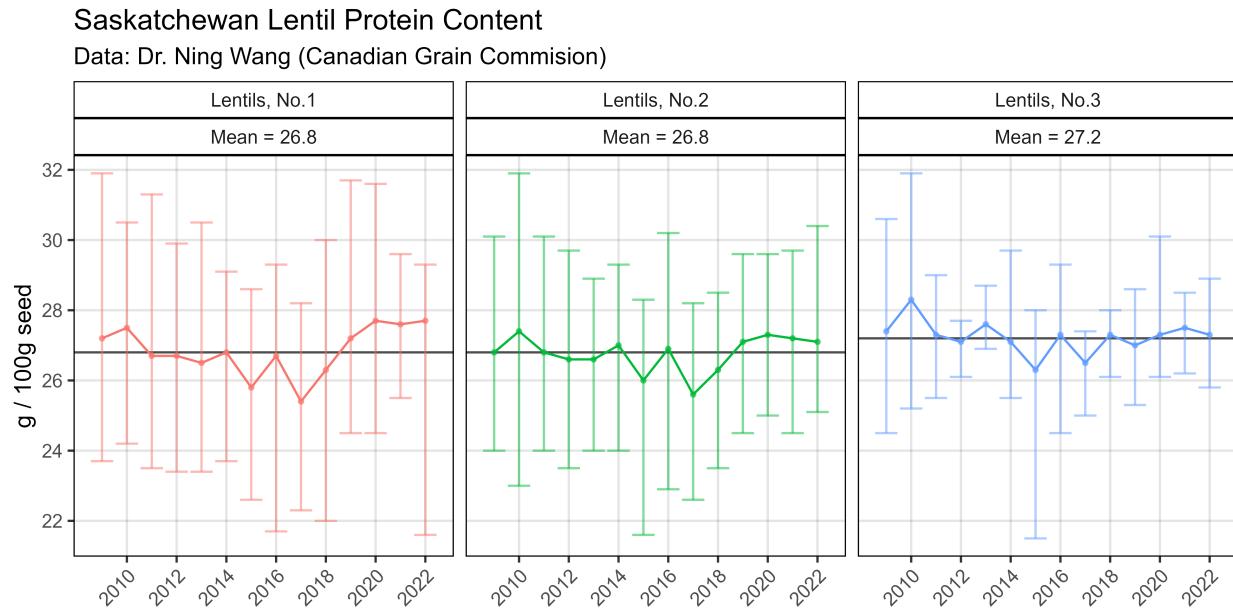
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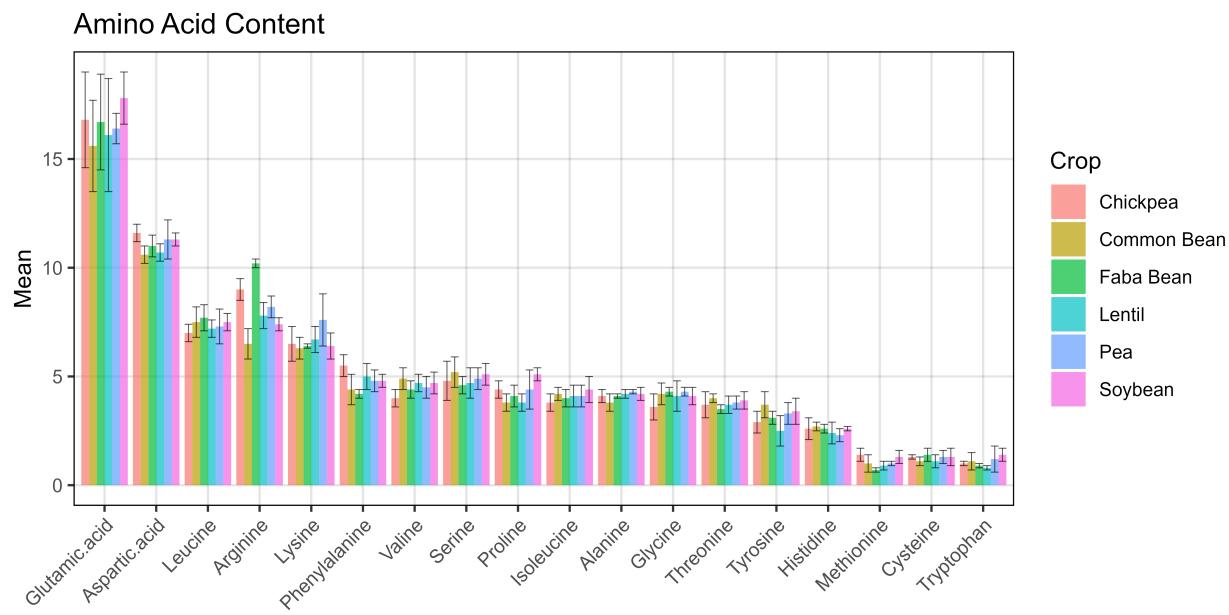
Additional Figure 4



Additional Figure 5



Additional Figure 6



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