Strategic Identification of New Genetic Diversity to Expand Lentil (*Lens culinaris* Medik.) Production (Using Nepal as an Example)

Agronomy. (2021) 11(10): 1933. doi.org/10.3390/agronomy11101933

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Contents

- Sandesh Neupane, Rajeev Dhakal, Derek M. Wright, Deny K. Shrestha, Bishnu Dhakal and Kirstin E. Bett. **Strategic Identification of New Genetic Diversity to Expand Lentil (*Lens culinaris* Medik.) Production (Using Nepal as an Example)**. *Agronomy.* (**2021**) 11(10): 1933. doi.org/10.3390/agronomy11101933

which is a follow-up to:

- 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.* (**2021**) 3(2): 171-181. doi.org/10.1002/ppp3.10158
- https://github.com/derekmichaelwright/AGILE_LDP_Phenology

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

AGILE Project

APPLICATION OF GENOMICS
TO INNOVATION IN THE LENTIL ECONOMY

Figure 1

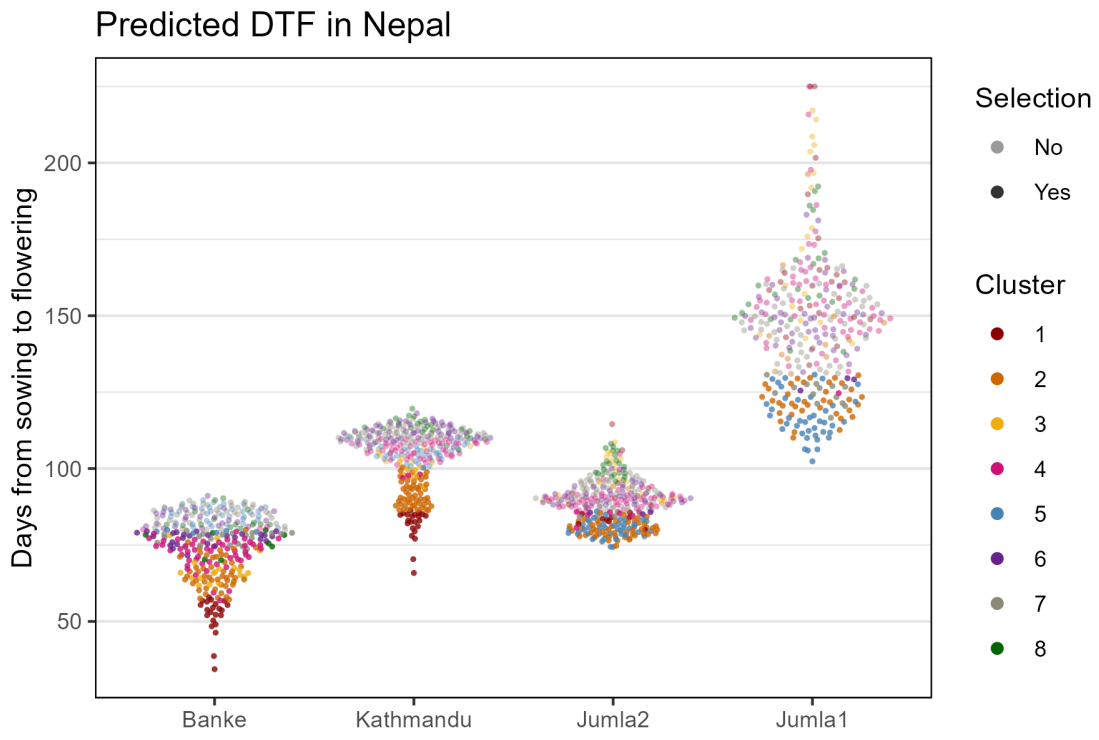


Figure 2

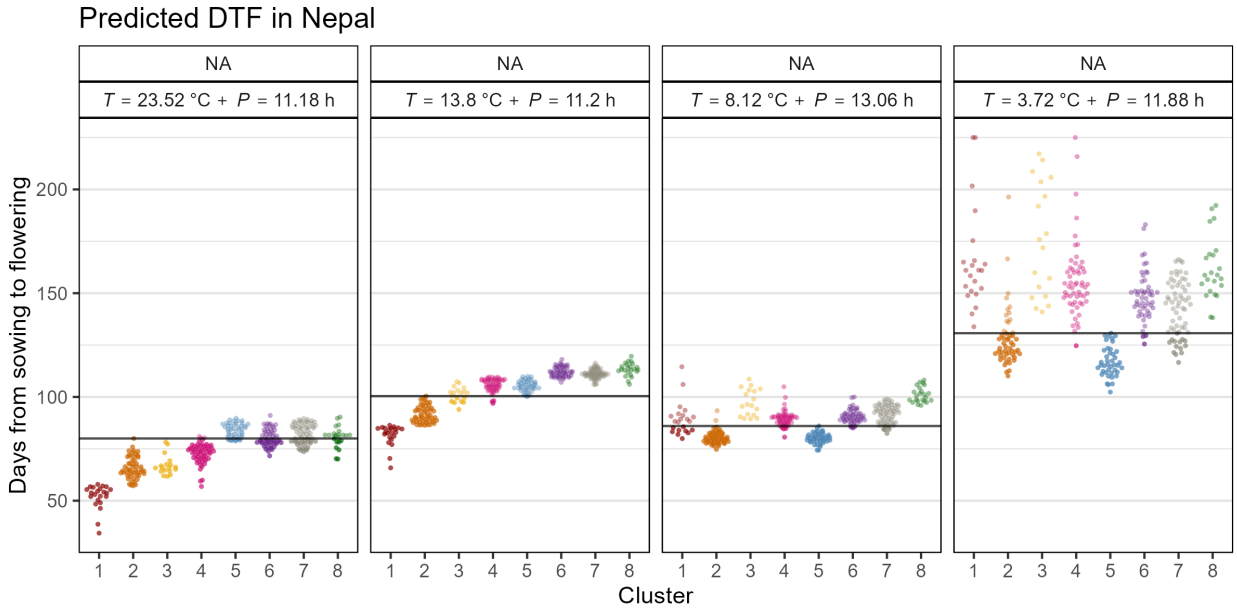


Figure 3

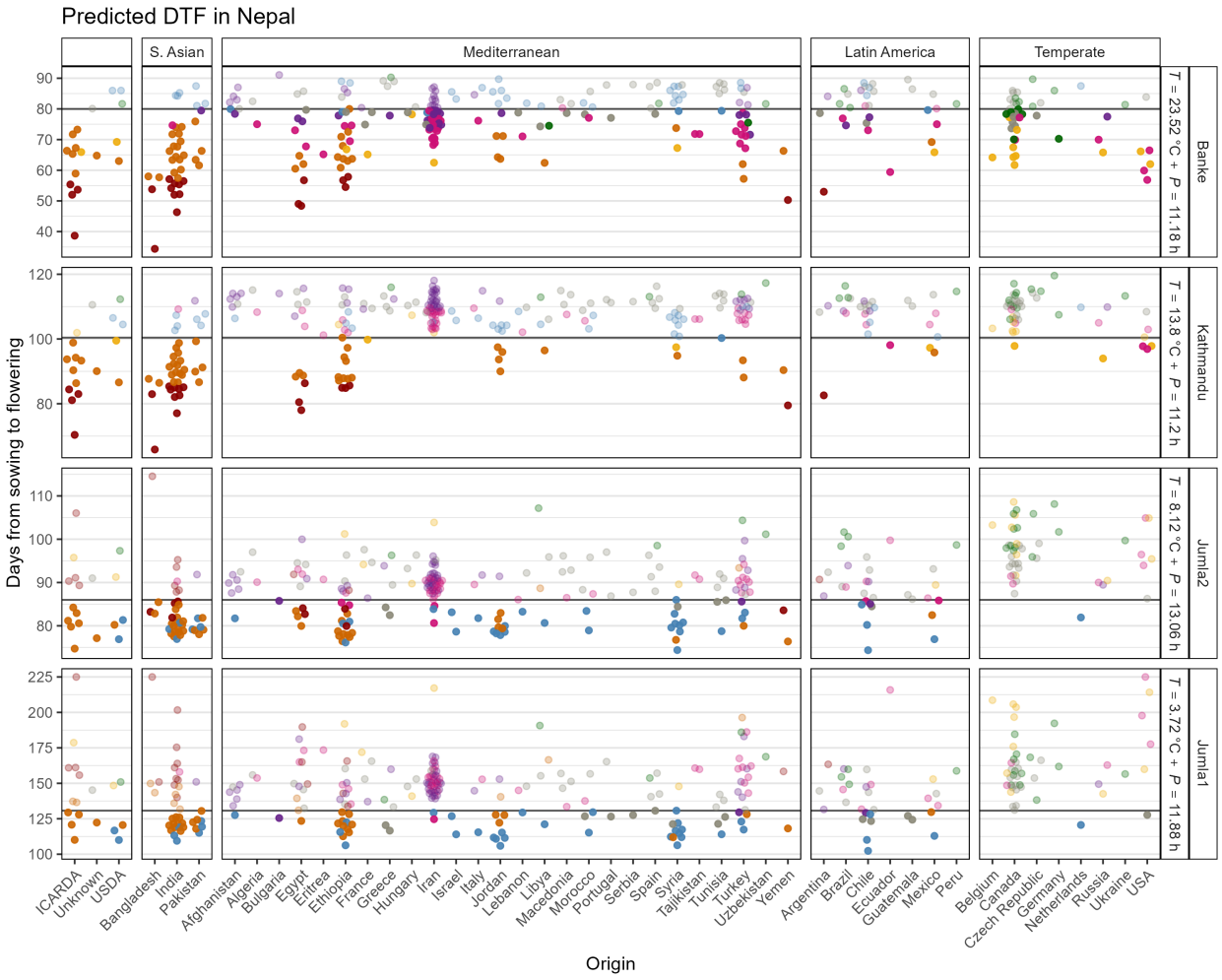
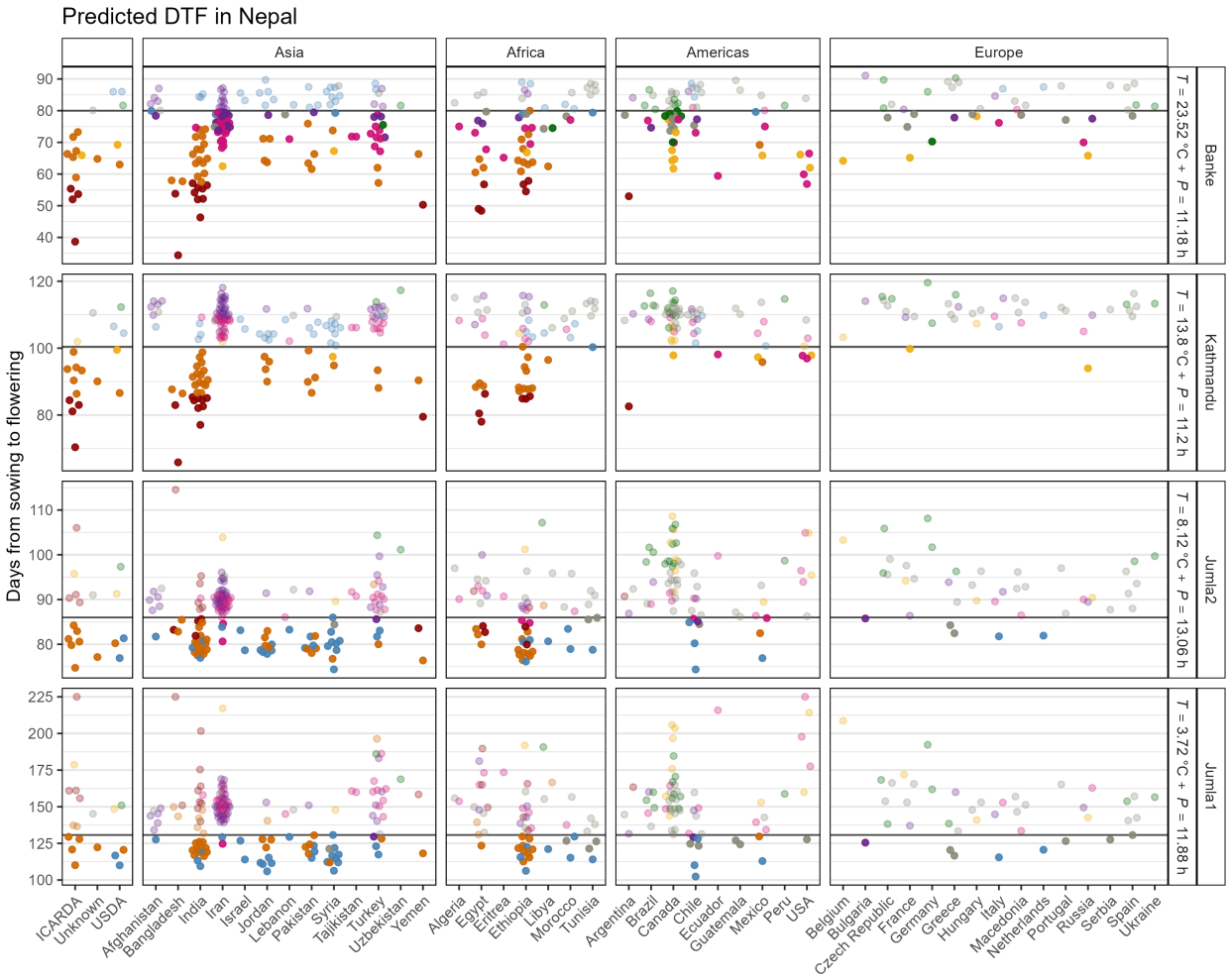

Predicted DTF in Nepal
S. Asian
Mediterranean
Latin America
Temperate
Days from sowing to flowering
Origin
Banke
Kathmandu
Jumla2
Jumla1
T = 23.52 °C + P = 11.18 h
T = 13.8 °C + P = 11.2 h
T = 8.12 °C + P = 13.06 h
T = 3.72 °C + P = 11.88 h
ICARDA
Unknown
USDA
Bangladesh
India
Pakistan
Afghanistan
Algeria
Bulgaria
Egypt
Eritrea
Ethiopia
France
Greece
Hungary
Iran
Israel
Italy
Jordan
Lebanon
Libya
Macedonia
Morocco
Portugal
Serbia
Spain
Syria
Tajikistan
Tunisia
Turkey
Uzbekistan
Yemen
Argentina
Brazil
Chile
Ecuador
Guatemala
Mexico
Peru
Belgium
Canada
Czech Republic
Germany
Netherlands
Russia
Ukraine
USA

Figure 4

- https://derekmichaelwright.github.io/AGILE_LDP_Nepal/Figure_04.html



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model_nepal.csv

- model_nepal.csv
