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

Agronomy. 11(10): 1933.

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Contents

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

which is a follow-up to:

Derek Wright, Sandesh Neupane, Taryn Heidecker, Teketel Haile, Clarice Coyne, Rebecca 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, and Kirstin Bett. (2020) **Understanding photothermal interactions can help expand production range and increase genetic diversity of lentil (*Lens culinaris* Medik.)**. *Plants, People, Planet.* 00:1-11.

https://github.com/derekmichaelwright/AGILE_LDP_Phenology

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https://github.com/derekmichaelwright/AGILE_LDP_Nepal

View as pdf

View as HTML

Source Code Vignette (Phenology_Vignette.html)

AGILE Project

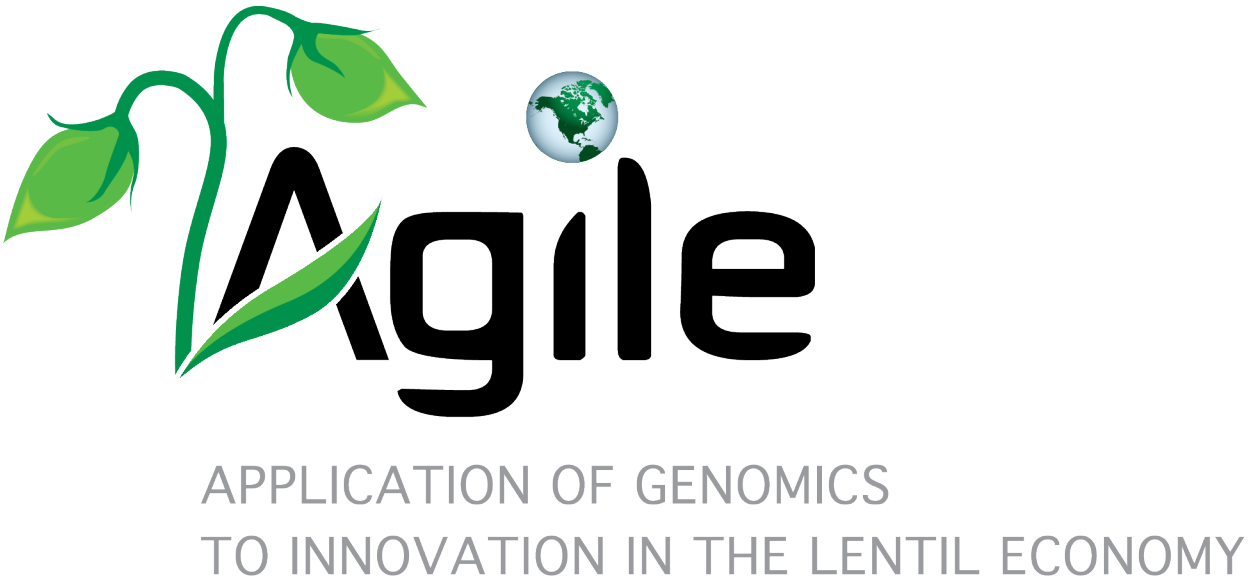

Figure 1

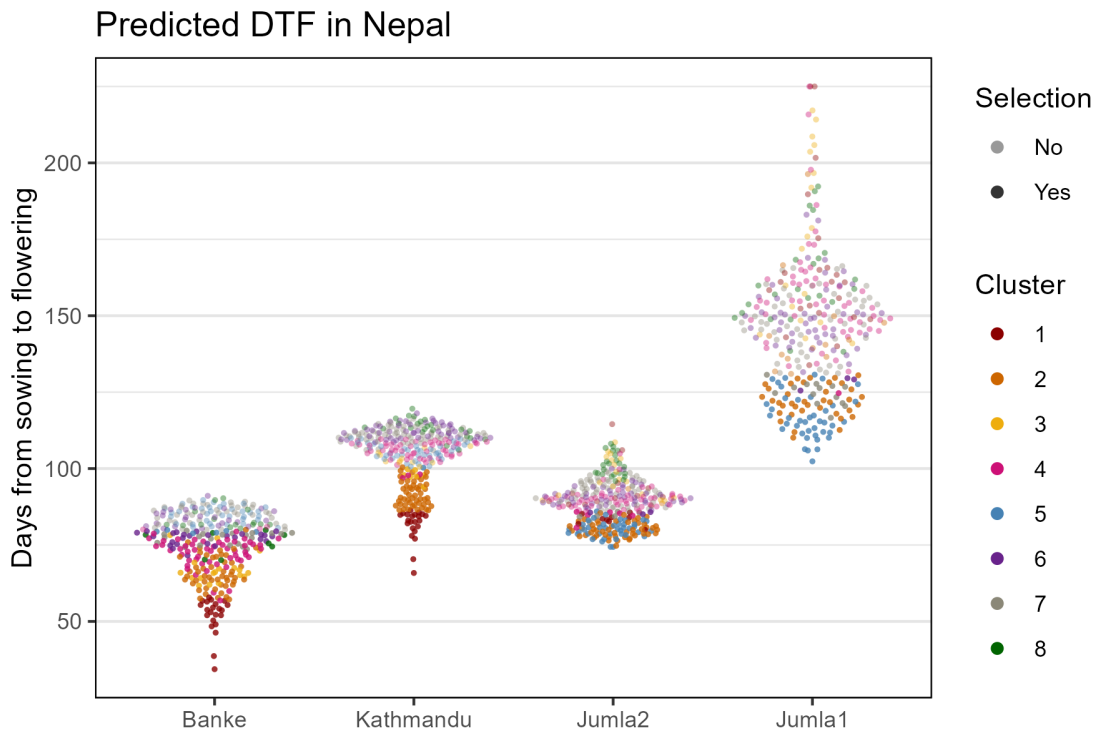

Figure 2

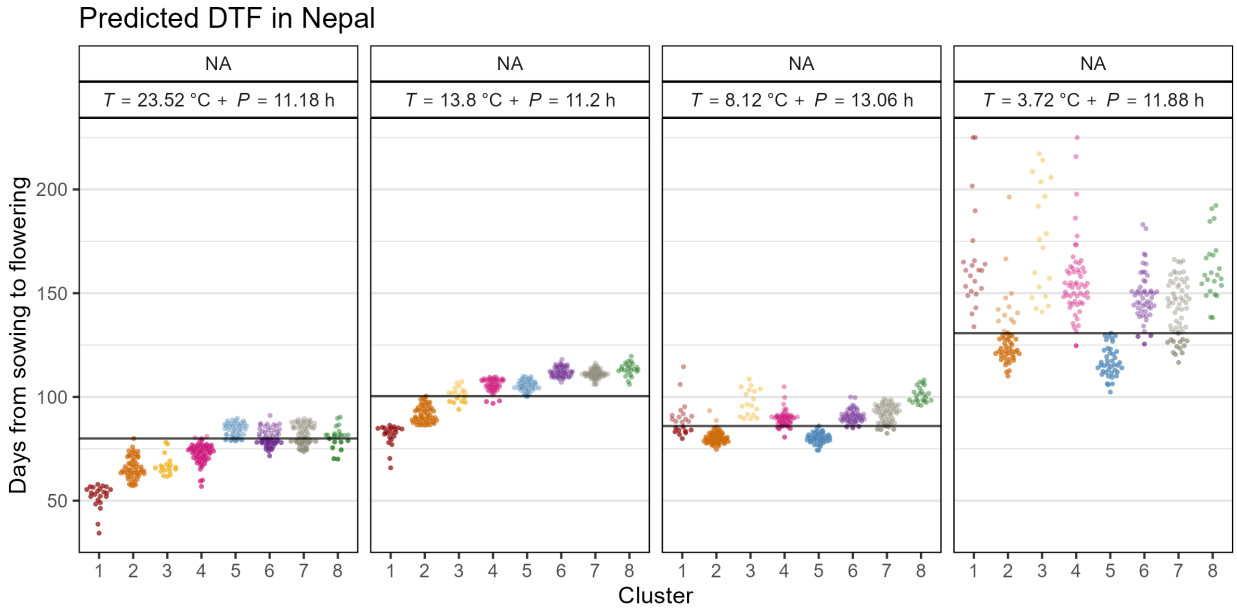

Figure 3

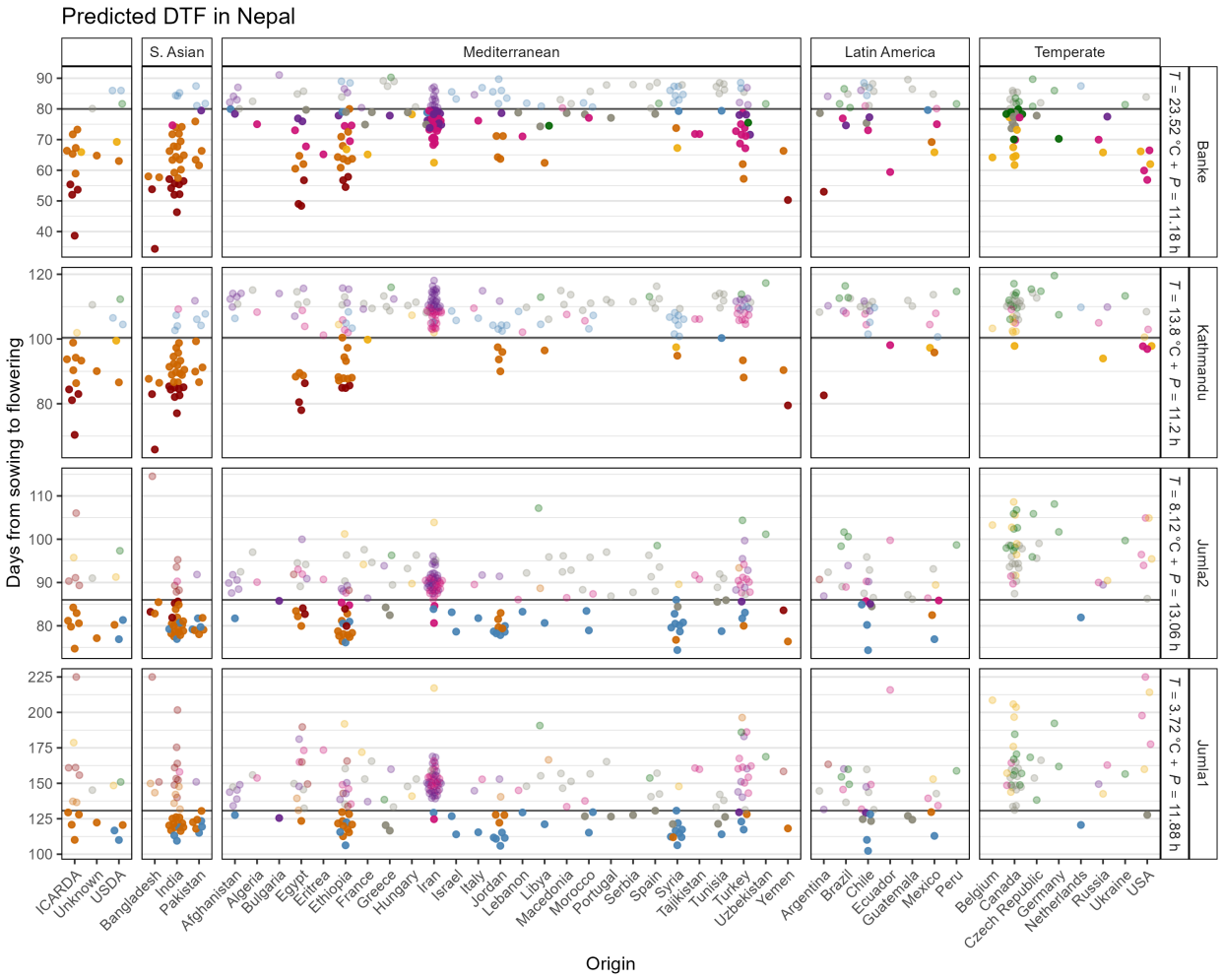
Predicted DTF in Nepal
S. Asian
Mediterranean
Latin America
Temperate
Days from sowing to flowering
Origin
Banke
Kathmandu
Jumla2
Jumla1
T = 23.52 °C + P = 11.18 h
T = 13.8 °C + P = 11.2 h
T = 8.12 °C + P = 13.06 h
T = 3.72 °C + P = 11.88 h
ICARDA
Unknown
USDA
Bangladesh
India
Pakistan
Afghanistan
Algeria
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

https://raw.githubusercontent.com/derekmichaelwright/AGILE_LDP_Nepal/master/model_nepal.csv

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