

Title	Genomic data and DNA sequences used for genetic mapping of Stb19 in an Australian bread wheat diversity panel
Abstract	This dataset contains genotyping data for wheat, including 11,200 SNPs generated via DArT and KASP markers. It supports genetic mapping of Stb19, a newly identified resistance gene against <i>Zymoseptoria tritici</i> . The data enable reproducible analysis of Stb19 inheritance, marker-trait associations, and breeding applications for disease resistance. The associated publication for these data is "Yang, N. N., McDonald, M. C., Solomon, P. S., & Milgate, A. W. (2018). Genetic mapping of Stb19, a new resistance gene to <i>Zymoseptoria tritici</i> in wheat. <i>Theoretical and Applied Genetics</i> , 131(12), 2765-2773. https://doi.org/10.1007/s00122-018-3189-0 "
Resource locator	
Data Quality Statement	Name: Data Quality Statement Protocol: WWW:DOWNLOAD-1.0-http--download Description: Data quality statement for Genomic data and DNA sequences used for genetic mapping of Stb19 in an Australian bread wheat diversity panel published in DOI:10.1007/s00122-018-3189-0 Function: download
Unique resource identifier	
Code	70a9e812-586f-41f5-8297-b44330a8b694
Presentation form	
Edition	1
Dataset language	eng
Metadata standard	
Name	ANZLIC Metadata Profile: An Australian/New Zealand Profile of AS/NZS ISO 19115:2005, Geographic information - Metadata
Version	1.1
Dataset URI	https://data.iar.dpi.nsw.gov.au/dataset/70a9e812-586f-41f5-8297-b44330a8b694
Status	completed
Spatial reference system	
Authority code	GDA94 Geographic (Lat\Long)
Code identifying the spatial reference system	4283

Topic category	Agriculture
Keyword set	
keyword value	AGRICULTURE-Crops
Originating controlled vocabulary	
Title	ANZLIC Search Words
Reference date	2008-05-16
Geographic location	
NSW Place Name	Wagga Wagga
Vertical extent information	
Minimum value	-100
Maximum value	2228
Coordinate reference system	
Authority code	urn:ogc:def:cs:EPSG::
Code identifying the coordinate reference system	5711
Temporal extent	
Begin position	2015-04-01
End position	N/A
Dataset reference date	
Date type	creation
Effective date	2023-12-01
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Effective date	2025-06-13
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Effective date	2025-06-13
Resource maintenance	
Maintenance and update frequency	asNeeded
Contact info	
Organisation name	DPI
Full postal address	contact@dpi.nsw.gov.au
Telephone number	02 6391 3000

Email address	contact@dpi.nsw.gov.au
Responsible party role	pointOfContact
Constraint set	
Use constraints	This data is provided under a Creative Commons Attribution 4.0 licence http://creativecommons.org/licenses/by/4.0 Attribute 'DPI' in publications using this data.
Limitations on public access	
Scope	dataset
Responsible party	
Contact position	Data Broker
Organisation name	DPI
Full postal address	contact@dpi.nsw.gov.au
Telephone number	02 6391 3000
Email address	contact@dpi.nsw.gov.au
Web address	https://www.dpi.nsw.gov.au
Responsible party role	pointOfContact
Metadata point of contact	
Contact position	Data Broker
Organisation name	DPI
Full postal address	contact@dpi.nsw.gov.au
Telephone number	02 6391 3000
Email address	contact@dpi.nsw.gov.au
Responsible party role	distributor
Metadata date	2025-12-01
Metadata language	eng