

Title	2015-2016 Septoria tritici blotch phenotype data from adult plants and seedlings at Wagga Wagga, NSW and Hamilton, Victoria plus genomic data used for GWAS in an Australian bread wheat diversity panel published in DOI:10.3389/fpls.2022.990915
Abstract	The data comprises 10 experiments (FRA15CPVT, FRA15HLTN, FRA16HLTN, FRA16CPVT, GEA15GH6S, GEB15GH6S, GEC15GH6S, GEA16GH6S, GEB16GH6S, GEC16GH6S) conducted to collect adult plant and seedling data for wheat reactions to infection with Septoria tritici blotch. For the adult plants, infection was from natural field inoculum, reactions scored as STB_A 1-9 scale and Percentage of Pycnidia density covered on Necrosis, plant maturity recorded as Zadock scale. For seedlings, two single isolate inoculum was used, reactions scored as STB_S 1-5 scale and Percent necrosis, Percentage of Pycnidia density covered on Necrosis recorded. 273 wheat accessions were used in the experiments representing a diverse set of mainly Australian cultivars with representative germplasm from international sources, details provided in the publication. Genotyping was carried out by DArT comprising 11,200 SNPs. Field experiemnts conducted at Wagga Wagga Agricultural Institute (-35.05287,147347657) with supplementary overhead irrigation and DEDJTR Hamilton Centre (-37.821254,142.065262) rainfed conditions.Glasshouse experiments conducted at Wagga Wagga Agricultural Institute.
Resource locator	
Data Quality Statement	<p>Name: Data Quality Statement</p> <p>Protocol: WWW:DOWNLOAD-1.0-http--download</p> <p>Description:</p> <p>Data quality statement for 2015-2016 Septoria tritici blotch phenotype data from adult plants and seedlings at Wagga Wagga, NSW and Hamilton, Victoria plus genomic data used for GWAS in an Australian bread wheat diversity panel published in DOI:10.3389/fpls.2022.990915</p> <p>Function: download</p>
Unique resource identifier	
Code	562b0f4a-3d29-4150-a0ca-2d1d7a5feaeab
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/562b0f4a-3d29-4150-a0ca-2d1d7a5feaeab
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
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Effective date	2023-12-01
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Effective date	2025-06-13
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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.
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Scope	dataset
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