





















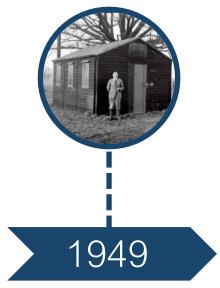


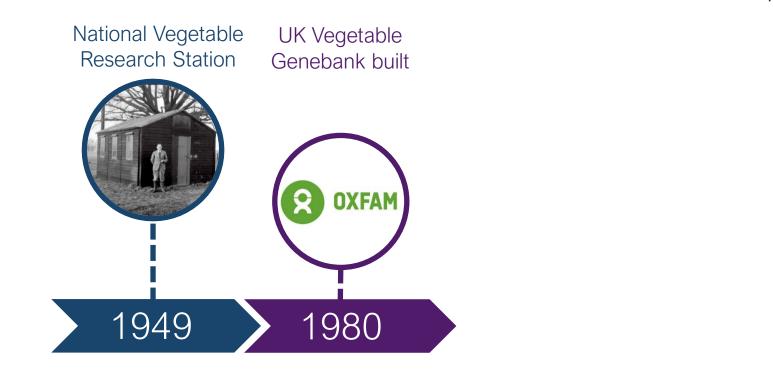
The UK Vegetable Genebank (UKVGB) is a globally significant collection of vegetable crop seed.

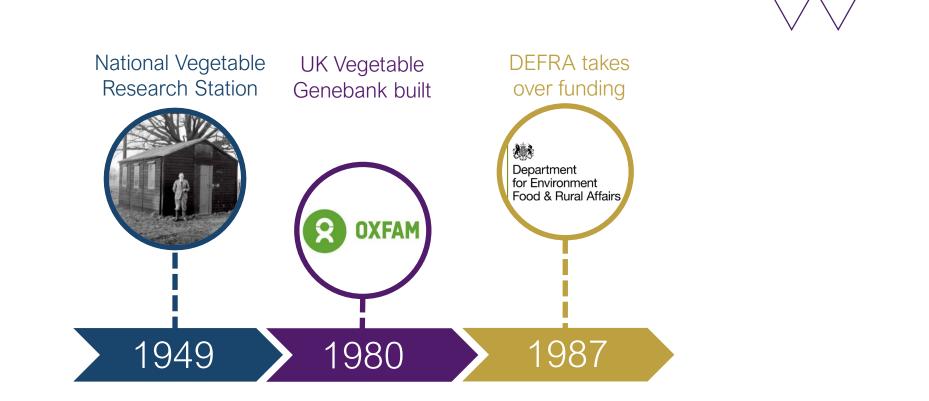
Conserve crop genetic diversity in vegetables and support its use in breeding, research and education.

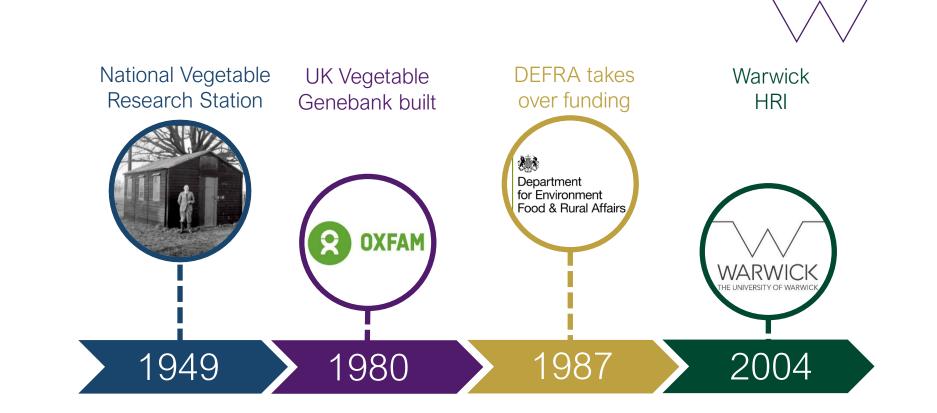


National Vegetable Research Station

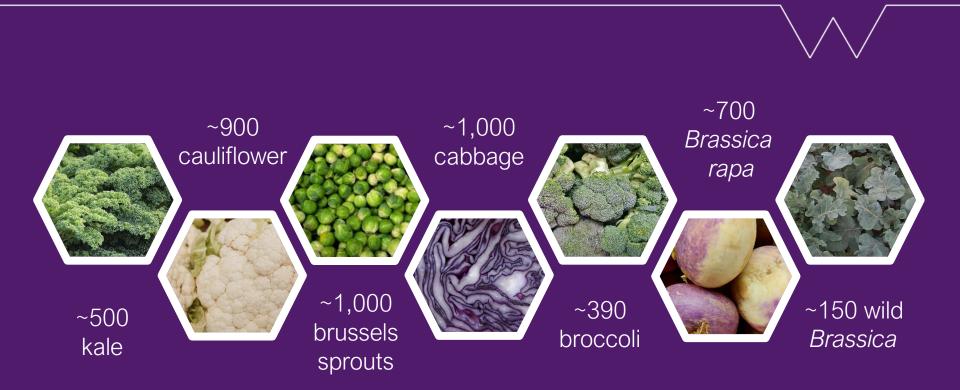














European Clubroot Differential (ECD) series

- 15 lines
- Buczacki et al., 1975
- S allele collection
 - David Ockendon

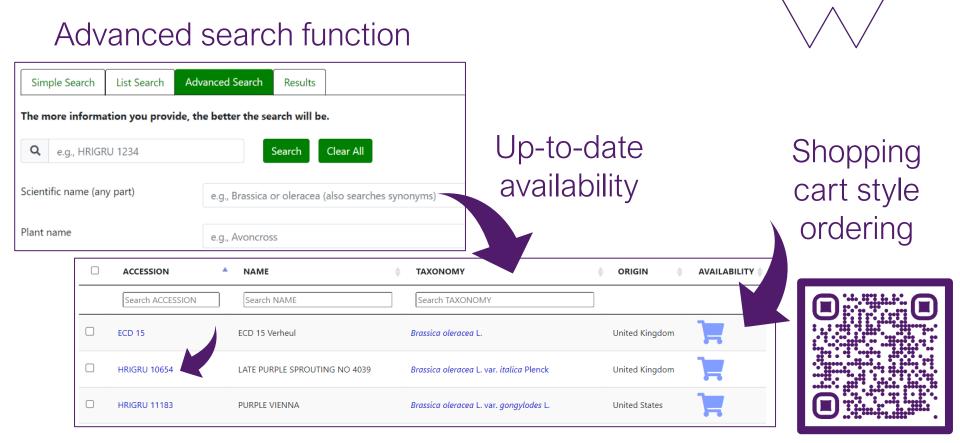
Plant breeding, research, education, training and development

- Standard Material Transfer Agreement
- Search and order @

grin-global.warwick.ac.uk/gringlobal



grin-global.warwick.ac.uk/gringlobal



Details for: HRIGRU 10654, Brassica oleracea L. var. italica Plenck, LATE PURPLE SPROUTING NO 4039

Summary Passport	Taxonomy	Other	Pedigree	IPR	Observation		
Core Passport Data					Accession Names and Identifiers		
Taxonomy: Top Name: Origin: Maintained: Received by UKVGB: Improvement Status:	Brassica olerat LATE PURPLE Donated – Un UK Vegetable 1991 Cultivar	SPROUTIN ited Kingd	G NO 4039 om		LATE PURPLE SPROUTING NO 4039 Type: Accession name BI78260A Type: Donor identifier	BROCCOLI Type: Common name HRIGRU 10654 1991 Type: Inventory	
Reproductive Uniformity: Form Received: Accession Group(s)	Population Seed-Long-te	rm storage	• MCPD code	13	Images (1 total. Click on image for more.)		

Group name: AIR-BOCC

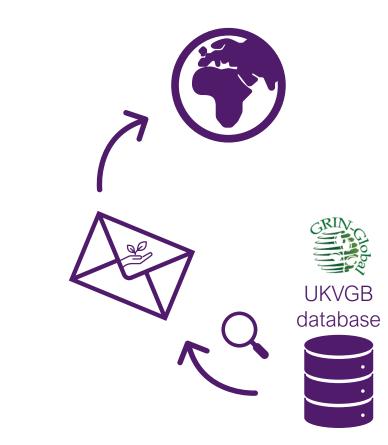
Note: This accession was a member of the AIR-BOCC project. To search for accessions in this group, click the following link. AIR-BOCC

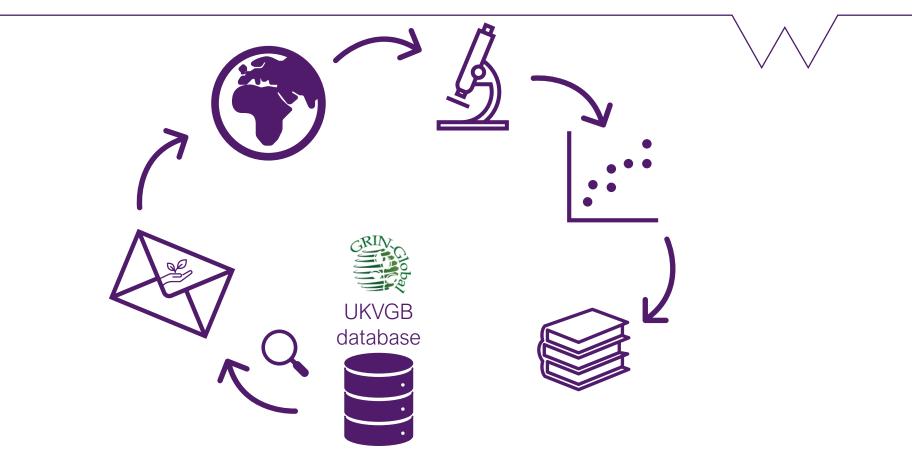


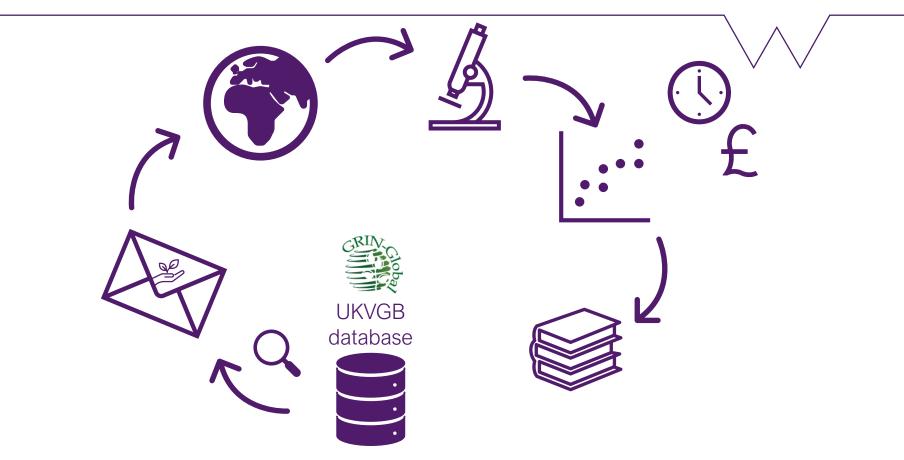
How to get greatest value out of data?
 Findable
 Accessible
 Interoperable
 Re-useable

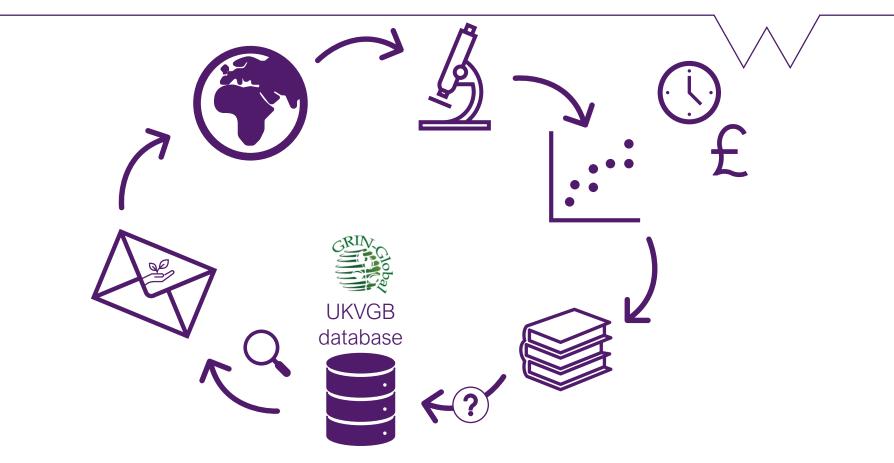






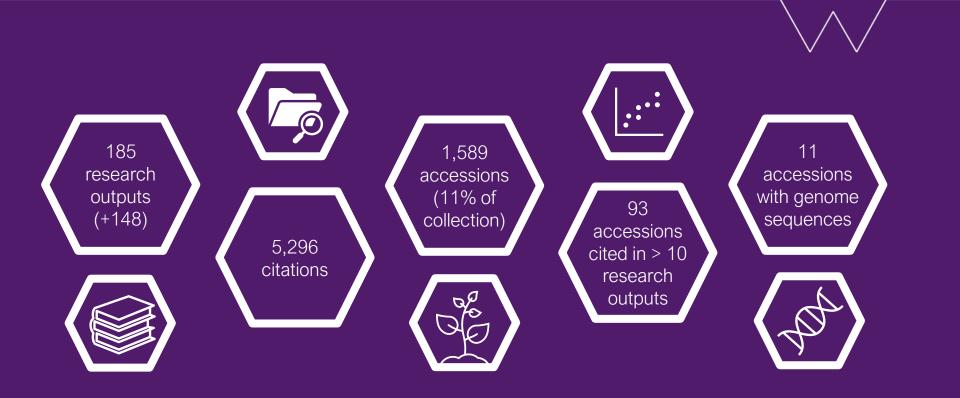


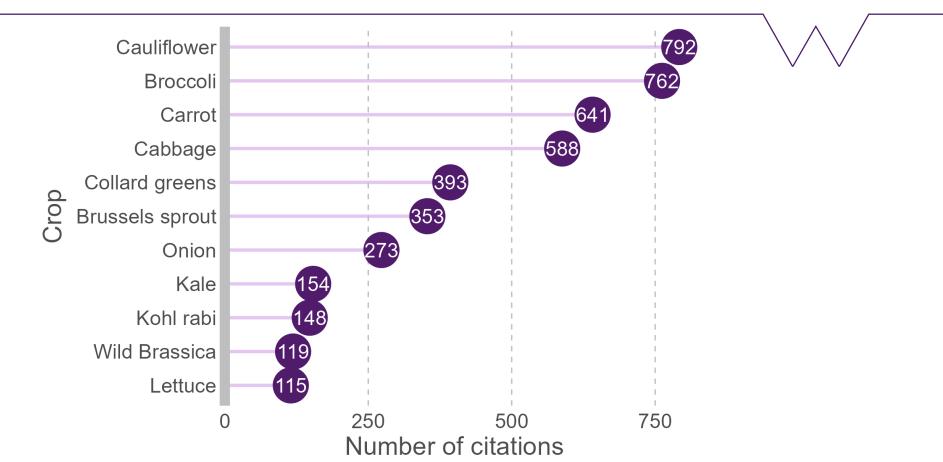


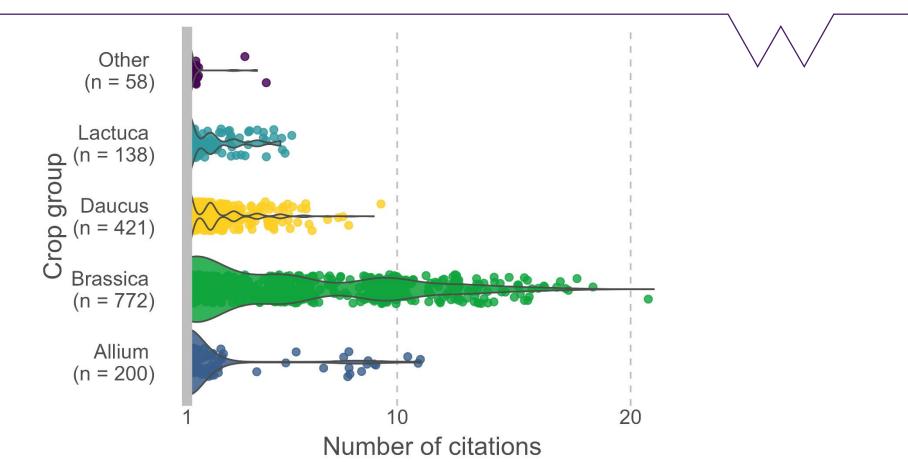


Identify research outputs using our material

- Davies and Allender (2017)
- Use google scholar alerts
- Communication with researchers







Screening and evaluation of resistance to downy mildew (*Peronospora parasitica*) and clubroot (*Plasmodiophora brassicae*) in genetic resources of *Brassica oleracea*

MALIN CARLSSON, ROLAND VON BOTHMER, ARNULF MERKER

Simple sequence repeats reveal uneven distribution of genetic diversity in chloroplast genomes of *Brassica oleracea* L. and (n = 9) wild relatives

<u>C. J. Allender</u>[⊡], <u>J. Allainguillaume</u>, <u>J. Lynn</u> & <u>G. J. King</u>

Shoot zinc (Zn) concentration varies widely within *Brassica oleracea* L. and is affected by soil Zn and phosphorus (P) levels

Martin Broadley Z, Seosamh Lochlainn, John Hammond, Helen Bowen, Ismail Cakmak, Selim Eker, Halil Erdem, Graham King & Philip Whiteshow less

Details for: HRIGRU 7795, Brassica oleracea L., MIS79038

Summary	Passport	Taxonomy	Other	Pedigree		
Other Links						
NCBI Gent	oank BioSamp	le				
NCBI Genb	oank SRA - W	hole Genome S	equencing			

NCBI Genbank Project

Citations

• Allender, et al., 2007. Simple sequence repeats reveal uneven distribution of genetic diversity in chloroplast genomes of *Brassica oleracea* L. and (n = 9) wild relatives. Simple sequence repeats reveal uneven distribution of genetic diversity in chloroplast genomes of *Brassica oleracea* L. and (n = 9) wild relatives. Allender, 2007 Number of accessions cited: 140

Records formatted and uploaded to UKVGB database

- Allender, et al.,. 2010. Origins of the amphiploid species *Brassica napus* L. investigated by chloroplast and nuclear molecular markers. Origins of the amphiploid species *Brassica napus* L. investigated by chloroplast and nuclear molecular markers. Allender, 2010 Number of accessions cited: 140
- Pelgrom, et al.,. 2015. Host plant resistance towards the cabbage whitefly in *Brassica oleracea* and its wild relatives. Host plant resistance towards the cabbage whitefly in *Brassica oleracea* and its wild relatives. Pelgrom, 2015 Number of accessions cited: 80
- Saban, et al.,. 2023. Extensive crop-wild hybridization during *Brassica* evolution and selection during the domestication and diversification of *Brassica* crops. Extensive crop-wild hybridization during *Brassica* evolution and selection during the domestication and diversification of *Brassica* crops. Saban, 2023 Number of accessions cited: 8

Details for: HRIGRU 7795, Brassica oleracea L., MIS79038



Citations

- Allender, et al., 2007. Simple sequence repeats reveal un and (n = 9) wild relatives. Simple sequence repeats reveal and (n = 9) wild relatives. Allender, 2007 Number of acce
- Allender, et al.,. 2010. Origins of the amphiploid species is the amphiploid species *Brassica napus* L. investigated by c cited: 140
- Pelgrom, et al.,. 2015. Host plant resistance towards the otwards the cabbage whitefly in *Brassica oleracea* and its y
- Saban, et al.,. 2023. Extensive crop-wild hybridization dur Brassica crops. Extensive crop-wild hybridization during Brassica crops. Saban, 2023 Number of accessions cited: 8

• <u>SRX19225845</u> : WGS of Brassica oleracea 1 ILLUMINA (HiSeq X Ten) run: 45.6M spots, 13.7G bases, 4.6Gb downloads						
De	esign: WGS of le	eaf DNA				
Sı	Ibmitted by: Un	iversity of South	ampton			
Study: Whole genome sequencing of Brassica wild relatives <u>PRJNA929712</u> • <u>SRP420194</u> • <u>All experiments</u> • <u>All runs</u> show Abstract						
Sample: WGS of Brassica oleracea <u>SAMN32970199</u> • SRS16632070 • <u>All experiments</u> • <u>All runs</u> <i>Organism:</i> <u>Brassica oleracea</u>					cea L.	
Library:					eracea L.	
Name: BOL5 Instrument: HiSeq X Ten Strategy: WGS Source: GENOMIC Selection: RANDOM					origins of ons	
Layout: PAIRED					ce	
Rı	uns: 1 run, 45.6l					ion of
	Run	# of Spots	# of Bases	Size	Published	Brassica
	SRR23282476	45,630,956	13.7G	4.6Gb	2023-01-31	Drussicu

Details for: HRIGRU 7795, Brassica oleracea L., MIS79038

Summary	Passport	Taxonomy	Other	Pedigree		
Other Links						
NCBI Genbank BioSample						
NCBI Genbank SRA - Whole Genome Sequencing						
NCBI Genbank Project						

Citations

- Allender, et al., 2007. Simple sequence repeats reveal un and (n = 9) wild relatives. Simple sequence repeats reveal and (n = 9) wild relatives. Allender, 2007 Number of acce
- Allender, et al.,. 2010. Origins of the amphiploid sp. the amphiploid species *Brassica napus* L. investiga cited: 140
- **Pelgrom, et al.,.** 2015. Host plant resistance to pards the o towards the cabbage whitefly in *Brassica oleracea* and its v

JOURNAL ARTICLE

Extensive crop-wild hybridization during Brassica evolution and selection during the domestication and diversification of Brassica crops 👌

Jasmine M Saban ☎, Anne J Romero, Thomas H G Ezard, Mark A Chapman ☎ Author Notes

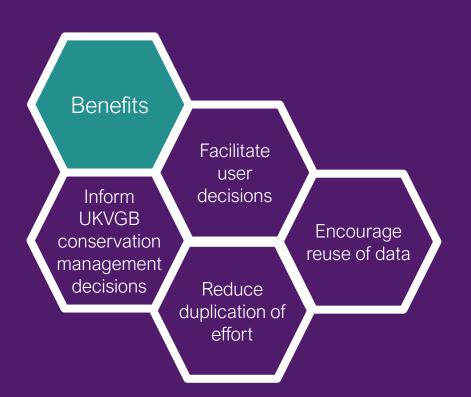
Genetics, Volume 223, Issue 4, April 2023, iyad027,

https://doi.org/10.1093/genetics/iyad027

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Published: 22 February 2023 Article history ▼
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👃 PDF 📲 Split View 🛛 🖌 Cite 🎤 Permissions 🛛 📢 Share 🔻

• Saban, et al.,. 2023. Extensive crop-wild hybridization during *Brassica* evolution and selection during the domestication and diversification of *Brassica* crops. Extensive crop-wild hybridization during *Brassica* evolution and selection during the domestication and diversification of *Brassica* crops. Saban, 2023 Number of accessions cited: 8







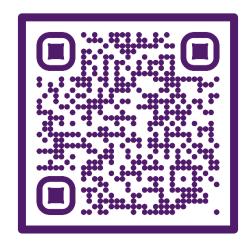
Extract and record specific data observations

Details for: HRIGRU 6755, Daucus carota L., PUSA KESAR

Category 🕴	Descriptor	Value	Study	Availability
CHEMICAL	Borneol (BORN)-leaf	0	Keilwagen, 2017	The second secon
CHEMICAL	Borneol (BORN)-roots	0	Keilwagen, 2017	7
CHEMICAL	Bornyl acetate (BORNAc)-leaf	17.38	Keilwagen, 2017	7
CHEMICAL	Bornyl acetate (BORNAc)-roots	256.17	Keilwagen, 2017	7
CHEMICAL	Caryophyllene oxide-	36.76	Keilwagen, 2017	

- Make use the UKVGB collections for your *Brassica* research
- 🥭 Tell us about your data
 - FAIR for the benefit of the whole
 Brassica research community





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