C&E data in EURISCO

Discussion about use-cases for visualisation and search of C&E data

EURISCO training workshop, 19th to 21st May 2015, Tirana, Albania

Stephan Weise 21 May 2015

AIM OF DISCUSSION





Aim of discussion

- Discuss usage of C&E data in the EURISCO web application
- Get use-cases for
 - Presentation of C&E data
 - Searching/filtering C&E data
 - Analysis of C&E data





RELATED SYSTEMS





GENESYS I

- List of datasets containing C&E data
- For each dataset
 - List of traits/methods
 - List of accessions
- C&E data as part of the accession details page





GENESYS II

Genesys Gateway to Genetic Resources	ର ବ	Login English -
	INSTITUTES MY LIST	
Datasets		
3,325 entries Page 1 of 67 < PREVIOUS 1 NEXT >		
BARLEY.AGRON.ABERDEEN.00		USA
BARLEY.AGRON.ABERDEEN.98		USA
BARLEY.LAB.ABERDEEN.00A		USA
BARLEY.LAB.ABERDEEN.00B		USA
BARLEY,LAB.ABERDEEN.06		USA
BARLEY.LAB.ABERDEEN.84		USA
BARLEY.LAB.ABERDEEN.85		USA
BARLEY,LAB,ABERDEEN.86		USA
BARLEY.LAB.ABERDEEN.87		USA
BARLEY,AGRON.ABERDEEN.84		USA
BARLEY.AGRON.ABERDEEN.85		USA
BARLEY.AGRON.ABERDEEN.86		USA
BARLEY.AGRON.ABERDEEN.87		USA
BARLEY.AGRON.ABERDEEN.92		USA





GENESYS III

	Genesys Gateway to Genetic Resources	Search Genesys		Q 🔍	Logi	n English -	
	HOME BROWSE C&E		INSTITUTES	MY LIST 0			
	BARLEY.LAB.ABEF	RDEEN.00B					
2	2,447 entries						
F	Page 1 of 49 < PREVIOUS	NEXT >					

Trait	Method	Unit of Measure	DB Field
Aleurone Colour	Color of the aleurone or pericarp.		ALEURONCOL
Awn Roughness	Surface roughness characteristic of the swn.		AWNROUGH
Awn Type	Presence or absence of awns or hoods on the spice.		AWNTYPE
Hull Cover	Adherence of the lemma and palea to the caryopsis.		HULL
Kernels Per Spike	Average number of kernels per spike, based on five typical spikes.		KERNELSPIK
Lemma Color	Color of the lemma or hull cover.		LEMMACOLOR
Rachilla Hair Length	Length of rachilla hairs.		RACHHAIR
Spike Density	Visual measure of spike density.		SPIKEDENS
Spike Row Number	Spike row number characteristic.		SPIKEROW

Download ZIP

		Accession number	Scientific name	ALEURONCOL	AWNROUGH	AWNTYPE	HULL	KER
1		Clho 1584	Hordeum vulgare L. subsp. vulgare		ROUGH (BARBS OVER ENTIRE LENGTH OF AWN)			42
2		Clho 1793	Hordeum vulgare L. subsp. vulgare					48
3		PI 584950	Hordeum vulgare L. subsp. vulgare		ROUGH (BARBS OVER ENTIRE LENGTH OF AWN)		COVERED	50
4		Clho 3694	Hordeum vulgare L. subsp. vulgare		ROUGH (BARBS OVER ENTIRE LENGTH OF AWN)			18
5		Clho 4138	Hordeum vulgare L. subsp. vulgare	BLUE	ROUGH (BARBS OVER ENTIRE LENGTH OF AWN)			43
6	\square	Clho 6251	Hordeum vulaare L subso vulaare		ROUGH (BARBS OVER ENTIRE I ENGTH OF AWN)			54





IPK

GENESYS IV

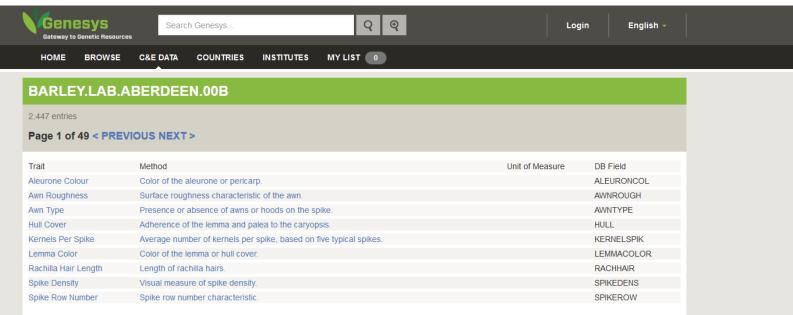
Genesys Gateway to Genetic Resource	Search Genesys	Q @	Login English -
HOME BROWSE	C&E DATA COUNTRIES INSTITUTES	MY LIST 0	
Aleurone Colo	bur		
filter.crop: Barley			
Trait Aleurone Colour	Method Color of the aleurone or pericarp.	Same As DB Field ALEURONC	Unit of Measure
Coding table			
BLACK count=487			1
BLACK AND WHITE cou	nt=19		1A
BLACK AND BROWN CO	unt=79		1В
BLUE count=1112			2
BROWN count=52			3
BROWN AND WHITE co	unt=4		3А
GREY count=110			4
PURPLE count=80			5
RED count=			6
TAN count=15			7
WHITE/AMBER count=5	528		8
YELLOW count=256			9
GREEN count=			G







GENESYS V



Download ZIF

		Accession number	Scientific name	ALEURONCOL	AWNROUGH	AWNTYPE	HULL	KER
1		Clho 1584	Hordeum vulgare L. subsp. vulgare		ROUGH (BARBS OVER ENTIRE LENGTH OF AWN)			42
2		Clho 1793	Hordeum vulgare L. subsp. vulgare					48
3		PI 584950	Hordeum vulgare L. subsp. vulgare		ROUGH (BARBS OVER ENTIRE LENGTH OF AWN)		COVERED	50
4		Clho 3694	Hordeum vulgare L. subsp. vulgare		ROUGH (BARBS OVER ENTIRE LENGTH OF AWN)			18
5		Clho 4138	Hordeum vulgare L. subsp. vulgare	BLUE	ROUGH (BARBS OVER ENTIRE LENGTH OF AWN)			43
6	\square	Clho 6251	Hordeum vulgare L. subsp. vulgare		ROUGH (BARBS OVER ENTIRE I ENGTH OF AWN)			54





GENESYS VI

Arra Cevization 4 & SUGBH (BARBS OVER ENTIRE LENGTH OF AVW) 4 Surface roughness characteristic of the awn.Avm RoughnessAVWED 17Presence or absence of awns or hoods on the spike.Avm TypeAVWED 18CoVERED 18Adherence of the lemma and palea to the caryopsis.Hull CoverCOVERED 18Adherence of the lemma and palea to the caryopsis.Kernels Per Spike424Color of the lemma or hull cover.Rachila Hair LengthLONG 4Length of rachila hairs.Spike DensityLAX (RACHIS INTERNODE LENGTH = OR > 4 MM) 4Visual measure of spike density.Spike Row NumberSIX ROWED 17Spike row number of hardceristic.Beta Glucan48134Beta Glucan content of the kernel, expressed as percent dry weight basis.Lipid20034Lipid content of the kernel, expressed as percent dry weight basis.BSNV FreeYES-ABSENCE OF BSNV 35Reaction to Barley Shipe Mosaic Vrus, based on weight basis.Roten3(1 = RESIS - 9 = SUSC) 54Reaction to Net Bloch (incited by Pyrenphora teres)Spite Bloch6(1 = RESIS - 9 = SUSC) 116Reaction to Spite floch (incited by Cochliobolus sativus).	HOME BROWSE C&E DATA COUNTRIES	INSTITUTES MY LIST	
Awn TypeAWNED17Presence or absence of awns or hoods on the spike.Hull CoverCOVERED18Adherence of the lemma and palea to the caryopsis.Kernels Per Spike424Average number of kernels per spike, based on five typical spikes.Lemma ColorTAN78Color of the lemma or hull cover.Rachila Hair LengthLONG4Length of rachilla hairs.Spike DensityLAX (RACHIS INTERNODE LENGTH = OR > 4 MM.)Visual measure of spike density.Spike Row NumberSUX ROWED17Spike row number characteristic.Beta Glucan4.8134Beta Glucan content of the kernet, expressed as percent dry weight basis.Lipid2.0034Lipid content of the kernet, expressed as percent dry weight basis.BSMV FreeYES-ABSENCE OF BSMV36Kernels free of Barley Stripe Mosaic Virus, based on visual and ELSA evaluations.Barley Yellow Dwart Virus4 (1 = RESIS - 9 = SUSC)60Reaction to Net Blotch (incided by Pyrenophora teres) scale 1-9.Spot Blotch6 (1 = RESIS - 9 = SUSC)116Reaction to Spot Blotch (incided by Cochilobolus	Characterization & Evaluation data		
Hull Cover COVERED 18 Adherence of the lemma and palea to the caryopsis. Kernels Per Spike 42 4 Average number of kernels per spike, based on five typical spikes. Lemma Color TAN 76 Color of the lemma or hull cover. Rachilla Hair Length LONG 4 Length of rachilla hairs. Spike Density LAX (RACHIS INTERNODE LEINGTH = OR > 4 MM.) Visual measure of spike density. Spike Row Number SIX ROWED 17 Spike row number characteristic. Beta Glucan 4.81 34 Beta Glucan content of the kernel, expressed as percent dry weight basis. Lipid 2.00 34 Lipid content of the kernel, expressed as percent dry weight basis. BSNV Free YES-ABSENCE OF BSMY 38 Kernels free of Barley Stripe Mosaic Virus, based on visual and ELISA evaluations. Barley Yellow Dwart Virus 4 (1 = RESIS - 9 = SUSC) 60 Reaction to Barley Yellow Dwart Virus. Net Blotch 6 (1 = RESIS - 9 = SUSC) 60 Reaction to Net Blotch (incited by Pyrenophora teres) scale 1-9.	Awn Roughness	ROUGH (BARBS OVER ENTIRE LENGTH OF AWN) 4	Surface roughness characteristic of the awn.
Kernels Per Spike 42 4 Average number of kernels per spike, based on five hypical spikes. Lemma Color TAN 78 Color of the lemma or hull cover. Rachilla Hair Length LONG 4 Length of rachilla hairs. Spike Density LAX (RACHIS INTERNODE LENGTH = OR > 4 MM) 4 Visual measure of spike density. Spike Row Number SIX ROWED 17 Spike row number characteristic. Beta Glucan 4.81 34 Beta Glucan content of the kernel, expressed as percent dry weight basis. Lipid 2.00 34 Lipid content of the kernel, expressed as percent dry weight basis. Protein 10.42 34 Protein content of the kernel, expressed as percent dry weight basis. BSMV Free YES-ABSENCE OF BSMV 38 Kernels free of Barley Stripe Mosaic Virus, based on visual and ELISA evaluations. Barley Vellow Dwart Virus 4 (1 = RESIS - 9 = SUSC) 60 Reaction to Net Blotch (incited by Pyrenophora teres) scale 1-9. Spot Blotch 6 (1 = RESIS - 9 = SUSC) 116 Reaction to Spot Blotch (incited by Cochilobolus	Awn Type	AWNED ¹⁷	Presence or absence of awns or hoods on the spike.
Lemma ColorTAN76Color of the lemma or hull cover.Rachilla Hair LengthLONG4Length of rachilla hairs.Spike DensityLAX (RACHIS INTERNODE LENGTH = OR > 4 MM.)Visual measure of spike density.Spike Row NumberSIX ROWED17Spike row number characteristic.Beta Glucan4.8134Beta Glucan content of the kernel, expressed as percent dry weight basis.Lipid2.0034Lipid content of the kernel, expressed as percent dry weight basis.Protein10.4234Protein content of the kernel, expressed as percent dry weight basis.BSMV FreeYES-ABSENCE OF BSMV38Kernels free of Barley Stripe Mosaic Virus, based on visual and ELISA evaluations.Barley Yellow Dwart Virus4 (1 = RESIS - 9 = SUSC)80Reaction to Net Blotch (incited by Pyrenophora teres) scale 1-9.Spot Blotch6 (1 = RESIS - 9 = SUSC)116Reaction to Spot Blotch (incited by Cochliobolus	Hull Cover	COVERED ¹⁸	Adherence of the lemma and palea to the caryopsis.
Rachilla Hair LengthLONG 4Length of rachilla hairs.Spike DensityLAX (RACHIS INTERNODE LENGTH = OR > 4 MM.) 4Visual measure of spike density.Spike Row NumberSIX ROWED 17Spike row number characteristic.Beta Glucan4.81 34Beta Glucan content of the kernel, expressed as percent dry weight basis.Lipid2.00 34Lipid content of the kernel, expressed as percent dry weight basis.Protein10.42 34Protein content of the kernel, expressed as percent dry weight basis.BSMV FreeYES-ABSENCE OF BSMV 38Kernels free of Barley Stripe Mosaic Virus, based on visual and ELISA evaluations.Barley Yellow Dwart Virus4 (1 = RESIS - 9 = SUSC) 54Reaction to Barley Yellow Dwart Virus.Net Blotch6 (1 = RESIS - 9 = SUSC) 116Reaction to Spot Blotch (incited by Portoihoolus)	Kernels Per Spike	42 4	-
Spike DensityLAX (RACHIS INTERNODE LENGTH = OR > 4 MM.)Visual measure of spike density.Spike Row NumberSIX ROWED17Spike row number characteristic.Beta Glucan4.8134Beta Glucan content of the kernel, expressed as percent dry weight basis.Lipid2.0034Lipid content of the kernel, expressed as percent dry weight basis.Protein10.4234Protein content of the kernel, expressed as percent dry weight basis.BSMV FreeYES-ABSENCE OF BSMV38Kernels free of Barley Stripe Mosaic Virus, based on visual and ELISA evaluations.Barley Yellow Dwarf Virus4 (1 = RESIS - 9 = SUSC)80Reaction to Net Blotch (incited by Pyrenophora teres) scale 1-9.Spot Blotch6 (1 = RESIS - 9 = SUSC)116Reaction to Spot Blotch (incited by Cochliobolus	Lemma Color	TAN ⁷⁶	Color of the lemma or hull cover.
Spike Row NumberSIX ROWED17Spike row number characteristic.Beta Glucan4.8134Beta Glucan content of the kernel, expressed as percent dry weight basis.Lipid2.0034Lipid content of the kernel, expressed as percent dry weight basis.Protein10.4234Protein content of the kernel, expressed as percent dry weight basis.BSMV FreeYES-ABSENCE OF BSMV38Kernels free of Barley Stripe Mosaic Virus, based on visual and ELISA evaluations.Barley Yellow Dwarf Virus4 (1 = RESIS - 9 = SUSC)54Reaction to Barley Yellow Dwarf Virus.Net Blotch3 (1 = RESIS - 9 = SUSC)80Reaction to Net Blotch (incited by Pyrenophora teres) scale 1-9.Spot Blotch6 (1 = RESIS - 9 = SUSC)116Reaction to Spot Blotch (incited by Cochlibobuls	Rachilla Hair Length	LONG ⁴	Length of rachilla hairs.
Beta Glucan4.8134Beta Glucan content of the kernel, expressed as percent dry weight basis.Lipid2.0034Lipid content of the kernel, expressed as percent dry weight basis.Protein10.4234Protein content of the kernel, expressed as percent dry weight basis.BSMV FreeYES-ABSENCE OF BSMV38Kernels free of Barley Stripe Mosaic Virus, based on visual and ELISA evaluations.Barley Yellow Dwarf Virus4 (1 = RESIS - 9 = SUSC)54Reaction to Barley Yellow Dwarf Virus.Net Blotch3 (1 = RESIS - 9 = SUSC)80Reaction to Net Blotch (incited by Pyrenophora teres) scale 1-9.Spot Blotch6 (1 = RESIS - 9 = SUSC)116Reaction to Spot Blotch (incited by Cochliobolus	Spike Density	LAX (RACHIS INTERNODE LENGTH = OR > 4 MM.) 4	Visual measure of spike density.
Lipid2.0034Lipid content of the kernel, expressed as percent dry weight basis.Protein10.4234Protein content of the kernel, expressed as percent dry weight basis.BSMV FreeYES-ABSENCE OF BSMV38Kernels free of Barley Stripe Mosaic Virus, based on visual and ELISA evaluations.Barley Yellow Dwarf Virus4 (1 = RESIS - 9 = SUSC)54Reaction to Barley Yellow Dwarf Virus.Net Blotch3 (1 = RESIS - 9 = SUSC)80Reaction to Net Blotch (incited by Pyrenophora teres) scale 1-9.Spot Blotch6 (1 = RESIS - 9 = SUSC)116Reaction to Spot Blotch (incited by Cochilobolus	Spike Row Number	SIX ROWED 17	Spike row number characteristic.
Protein10.4234Protein content of the kernel, expressed as percent dry weight basis.BSMV FreeYES-ABSENCE OF BSMV38Kernels free of Barley Stripe Mosaic Virus, based on visual and ELISA evaluations.Barley Yellow Dwarf Virus4 (1 = RESIS - 9 = SUSC)54Reaction to Barley Yellow Dwarf Virus.Net Blotch3 (1 = RESIS - 9 = SUSC)80Reaction to Net Blotch (incited by Pyrenophora teres) scale 1-9.Spot Blotch6 (1 = RESIS - 9 = SUSC)116Reaction to Spot Blotch (incited by Cochlibobus	Beta Glucan	4.81 ³⁴	
weight basis. BSMV Free YES-ABSENCE OF BSMV 38 Kernels free of Barley Stripe Mosaic Virus, based on visual and ELISA evaluations. Barley Yellow Dwarf Virus 4 (1 = RESIS - 9 = SUSC) 54 Reaction to Barley Yellow Dwarf Virus. Net Blotch 3 (1 = RESIS - 9 = SUSC) 80 Reaction to Net Blotch (incited by Pyrenophora teres) scale 1-9. Spot Blotch 6 (1 = RESIS - 9 = SUSC) 116 Reaction to Spot Blotch (incited by Cochliobolus	Lipid	2.00 ³⁴	
wisual and ELISA evaluations. Barley Yellow Dwarf Virus 4 (1 = RESIS - 9 = SUSC) Spot Blotch 3 (1 = RESIS - 9 = SUSC) 80 Reaction to Net Blotch (incited by Pyrenophora teres) scale 1-9. Spot Blotch 6 (1 = RESIS - 9 = SUSC)	Protein	10.42 ³⁴	
Net Blotch 3 (1 = RESIS - 9 = SUSC) 80 Reaction to Net Blotch (incited by Pyrenophora teres) scale 1-9. Spot Blotch 6 (1 = RESIS - 9 = SUSC) 116 Reaction to Spot Blotch (incited by Cochliobolus)	BSMV Free	YES-ABSENCE OF BSMV 38	
Spot Blotch 6 (1 = RESIS - 9 = SUSC) 116 Reaction to Spot Blotch (incited by Cochliobolus)	Barley Yellow Dwarf Virus	4 (1 = RESIS - 9 = SUSC) 54	Reaction to Barley Yellow Dwarf Virus.
	Net Blotch	3 (1 = RESIS - 9 = SUSC) ⁸⁰	
	Spot Blotch	6 (1 = RESIS - 9 = SUSC) ¹¹⁶	





GBIS I

- Search by passport data
 - Availability of C&E data highlighted in the accessions list
- Stepwise search for accessions with C&E data
 Crop → trait(s) → score
- C&E data as part of the accession details page





GBIS II

	Step-wise search Free-text search Advanced search
Login Register 	Limit the search to accessions that can be ordered If you do not mark this option, the result may also contain accessions that cannot be ordered.
<u>Search</u>	Step-wise search
 Wish list	With this search option you search for accessions using passport descriptors. You can define up to 12 criteria which will be combined with "and". This means that each of the entered criteria has to be met for an accession to be shown in the result list.
<u></u>	crop category for obseravtions 🔹 = 👻 Allium 🔹
Language	Search for:
<u>English</u> <u>Deutsch</u>	crop category for obseravtions 😑 Allium 🎉
	Please enter all needed criteria by using the _+* icon before submitting the search.
Contact Imprint	Below please find a list of descriptors for which there are C&E data available for the crop specified. Next to each descriptor, there is a list of its possible values (codes in parentheses). To assist you in defining your search criteria, the number of accessions having the particular value is shown below the checkbox. For the trait you are interested in you have to de-select the unwanted properties including the checkbox "unknown".

Deskriptor:

plant height [cm]	= ▼ 15,00 <- 51,47 -> 120,00 (18)					unknow V 1293
Foliage colour	medium green (5) <i>I</i> 268	(4) I	light green (3) <i></i> 3	dark green (7) <i>I</i> 12		unknow V 1179
flower colour	creamy (2) V 11	yellow (3) I	white (1) ☑ 58	green (8) ♥ 2	violet (5) 62	unknow V 1338
Outer skin colour	white (1) (1) 93	purple (3) V 31	white with coloured stripes (2) 95			unknow V 1373
Foliage attitude	semi-erect (6) ♥ 48	intermediate (5) V 199	prostrate (3) v 8	erect (7) ♥ 6	semi-prostrate (4) <i></i> 125	unknow V 1179
100-bulbil weight weight of 100 bulbils	medium (2) 13	high (3) ☞ 50	low (1) 12 32			unknow V 1381
Skin colour of the clove	vellow and light brown (2)	red and violet (4)	white (1)	brown (3)		unknow





GBIS III

	EBEN									Member of the Leibniz Association
You are not logged in	Your wish list is	empty								
<u>Homepage</u>	Results									
Login Register	Your query: Ordered by: Results:		botanical name: genus = Allium							
Register	Already selec	ted records:								
Search Wish list	Refine quer	y New q	uery Items shown per page	I I F	Page 1 of 55 🕨	N	Into wish list	Export / Download*		
	A If no entry is r	nn -	ete list can be exported. The downloa			Danas/Euro ditian	Availability	From of dollars	Characterisation &	0
Language	number		ntific name		Country of origin	Donor/Expedition	Availability	Form of delivery	Evaluation Data	Aegis
English Deutsch	ALL 2038		<mark>m</mark> ampeloprasum L. subsp. ampelopr eek Group	Ekkehard	Germany	D: PflZucht Albert Haubner: Albert Haubner 61/41	not available	Seed collection	Ν	Ν
	ALL 1720		<mark>m</mark> ampeloprasum L. subsp. ampelopr eek Group	KONG RICHARD	Germany	D: BAZ, Braunschweig Genetic Resources Centre: 63291	available	Seed collection	Ν	J
Contact	ALL 175		<mark>m</mark> ampeloprasum L. subsp. ampelopr eek Group	CARENTAN	Germany	D: BAZ, Braunschweig Genetic Resources Centre: 63292	limited	Seed collection	Ν	J
Imprint	ALL 1897	7 Alliu	m x proliferum (Moench) Schrad. ex V	Willd.	Italy		limited	Field collection	J	Ν
	ALL 1875	5 Alliu	m cepa L. Common Onion Group		Spain	E: Sammelreise Spanien/Galizien Juli 1999: 202	currently not available	Seed collection	Ν	Ν
	ALL 1712		m cepa L. Common Onion Group	LISA	Germany	D: BAZ, Braunschweig Genetic Resources Centre: 63853	limited	Seed collection	J	Ν
	ALL 177		m ampeloprasum L. subsp. ampelopr eek Group	rasum WINTERRIESEN 2	Germany	D: BAZ, Braunschweig Genetic Resources Centre: 63231	limited	Seed collection	Ν	Ν
	ALL 2047		<mark>m</mark> ampeloprasum L. subsp. ampelopr eek Group	rasum Janos	Netherlands	D: Firma Peto Europe B.V.: ST. 5/70	not available	Seed collection	Ν	Ν
	ALL 2044		<mark>m</mark> ampeloprasum L. subsp. ampelopr eek Group	rasum Kampus	Netherlands	D: Firma Peto Europe B.V.: Ap 1.102/83	not available	Seed collection	Ν	Ν
	ALL 1762	2 Alliu	<mark>m</mark> cepa L. Common Onion Group	PRONTO	Germany	D: BAZ, Braunschweig Genetic Resources Centre: 63233	limited	Seed collection	Ν	Ν
	ALL 1718	<u>Alliu</u>	m cepa L. Common Onion Group	JUWARUND	Germany	D: BAZ, Braunschweig Genetic Resources Centre: 63852	limited	Seed collection	N	N





GBIS IV

Country of origin: DEU (Germany)

+ Donor

Designation: BAZ, Braunschweig Genetic Resources Centre: 63853

+ Expedition

Name:

- Characterisation and Evaluation Data

In our database there are data on 3 descriptors for this accession.

The following table lists the descriptors and its value(s) for the present accession (codes in parentheses). By clicking the Plus icon, the single values are listed separately with reference to the corresponding experiment. The plus icon in front of the experiment allows to get more details for this experiment.

Descriptor	Observed values
bulb flesh colour	 □ creamy (1) All observed values: creamy (1) □ Onion (2013) Experimenter: Karina Krusch Institution: IPK - Leibniz-Institut für Pflanzengenetik und Kulturpflanzenforschung, Abteilung Genbank Germany Description:
bulb skin colour	 □ light brown (1) All observed values: light brown (1) □ Onion (2013) Experimenter: Karina Krusch Institution: IPK - Leibniz-Institut für Pflanzengenetik und Kulturpflanzenforschung, Abteilung Genbank Germany Description:
homogeneity	 ☐ moderate homogeneous (5) All observed values: moderate homogeneous (5) ☐ Onion (2013) Experimenter: Karina Krusch Institution: IPK - Leibniz-Institut für Pflanzengenetik und Kulturpflanzenforschung, Abteilung Genbank Germany Description:

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Imprint FAQ





YOUR REQUIREMENTS





Examples I

- Wizard-based (step-by-step) selection of C&E data?
 - By taxonomy
 - By trait
 - By experiment
 - ...
- Download of selected data (incl. metadata)?
- Descriptive statistics (on experiment level only)?
 - Min, max, avg, stddev, ...
 - Box plots, histograms, scatterplots, ...
- Comparisons?
 - Different countries of origin

— ...





Examples II

Go

Actions •

Trait Name	Unit	Minimum	Maximum	Average	Stddev	Variance	First Quartile	Median	Third Quartile
Length_primary_root_day_2	cm	.0769	5.0049	1.6267	1.0375	1.0765	.8328	1.3749	2.22075
Length_primary_root_day_3	cm	.145	8.2812	2.9827	1.7086	2.9193	1.63035	2.7457	4.010925
Length_primary_root_day_6	cm	.5243	19.8785	9.9115	3.4562	11.9454	7.6231	9.9545	12.1373
Length_primary_root_day_8	cm	.5973	23.1517	14.9772	4.6948	22.0415	11.8333	15.5338	18.4976
Length_primary_root_day_10	cm	2.7703	24.9071	18.5805	4.4733	20.0107	15.7547	20.2375	21.9946
Length_lateral_roots_day_2	cm	0	.542	.0036	.0379	.0014	0	0	0
Length_lateral_roots_day_3	cm	0	.6299	.0057	.0444	.002	0	0	0
Length_lateral_roots_day_6	cm	0	42.247	4.1527	5.8309	33.999	0	1.8464	6.096825
Length_lateral_roots_day_8	cm	0	130.4067	28.495	24.3938	595.056	10.6366	22.1419	37.7196
Length_lateral_roots_day_10	cm	2.4513	235.7843	66.2073	51.863	2689.7719	27.4616	50.745	88.5509
Total_root_length_day_2	cm	.0769	5.0049	1.6307	1.0403	1.0822	.8328	1.3749	2.22995
Total_root_length_day_3	cm	.145	8.2812	2.9884	1.7113	2.9286	1.636425	2.7457	4.027575
Total_root_length_day_6	cm	.5243	59.3962	14.0647	8.3458	69.652	8.49165	11.8062	17.34515
Total_root_length_day_8	cm	5.0457	151.2535	43.4908	27.7073	767.693	22.3352	37.1098	55.4076
Total_root_length_day_10	cm	10.5623	268.6712	85.2913	55.3723	3066.0905	43.067	69.7821	110.9772

1 - 15 📎

Q.

0.30 s





Examples III







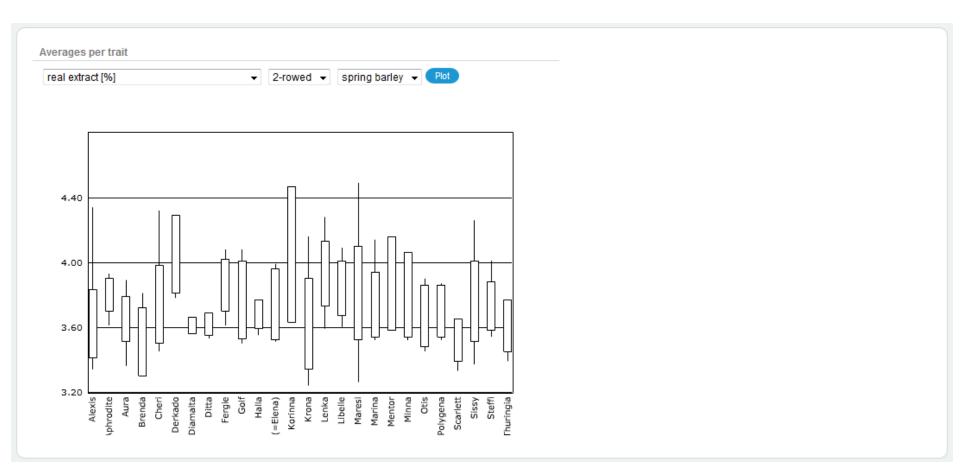
Examples IV







Examples V

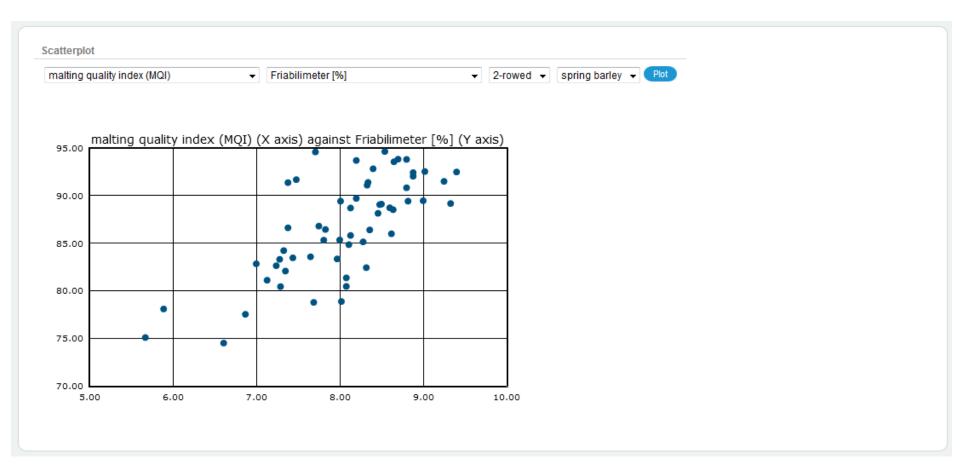




LEIBNIZ INSTITUTE OF PLANT GENETICS AND CROP PLANT RESEARCH



Examples VI







What are your requirements?





