

# 12<sup>th</sup> IBGS Poster Presentations

## Think 5 – Posters 1-24

Poster Number	Name	Title
1	Tilahun Abebe	Analysis of the barley transcriptome during drought stress at the reproductive stage
2	Amina Abed	How close is close enough? Use of genomic selection across different but related breeding programs
3	Anil Adhikari	Screening Ethiopian and Eritrean Barley Accessions for Resistance to the Net Form of Net Blotch
4	Olga Afanasenko	Mapping seedling resistance to different isolates of <i>Pyrenophora teres</i> f. <i>teres</i> in barley cultivar Harbin
5	Alireza Akhavan	Genetic and Pathogenic Population Structure of the Net Blotch Pathogen of Barley and the Effectiveness of Currently-Used Sources of Resistance in Western Canada
6	Umme Aktari Nadira	Identification of the germplasm with low phosphorus stress tolerance and studies on the tolerant mechanisms in Tibetan wild barley
7	Gazala Ameen	<i>rsc5</i> is a wall associated kinase gene that putatively functions as a dominant susceptibility factor in the Barley- <i>Cochliobolus sativus</i> interaction
8	Ahmad Alqudah	The genetic architecture of barley plant stature
9	Reda Amezrou	Genome wide association studies of barley net blotch resistance in Morocco
10	Tefera Tolera Angessa	Barley landraces – the underutilized genetic resources.
11	Noemir Antoniazzi	Genetic evolution of Barley Brewing in Agroindustrial Agraria Cooperative
12	Matthew Aubert	Molecular and Genetic Characterisation of Early Aleurone Development in Barley
13	Theresa Asabea Ayirebi	Genomic Selection for agronomic important traits in two-rowed winter barley
14	Ana Badea	Development of High Resolution Melting Assay for Quick and Accurate Molecular Screening for the Presence of Functional <i>Rpg5</i> Alleles in Barley
15	Ana Badea	Survey of Tocols and Oil Levels in Whole Grain, Pearling Fractions and Brewer's Spent Grains of Malting and Hulless Food Barley Genotypes
16	Franz-Werner Badeck	Effects of sowing date and climatic conditions on two and six-row barley yield and quality
17	Agim Ballvora	Genetic and molecular analysis of epistatic interactions in flowering time pathways identified in a spring barley MAGIC population
18	Sebastian Beier	Exploring the barley genome with BARLEX
19	DAMIEN BEILLOUIN	Development and evaluation of a genotypic crop model for winter barley

## Think 5 – Posters 1-24; Think 4 – Posters 25-60

Poster Number	Name	Title
20	DAMIEN BEILLOUIN	Which malting barley genotype characteristics are adapted to low input system: an experimental approach
21	Sébastien Bélanger	Genotyping-by-Sequencing on Pooled Samples (Pool-GBS) and its Use in Measuring Segregation Bias during the Course of Androgenesis in Barley
22	Andrea Bellucci	Genomic Prediction in Spring Barley
23	HAJER BEN GHANEM	Epidemiological Evolution of Barley foliar diseases in Tunisia
24	Therese Bengtsson	Genetic diversity and population structure in Nordic spring barley
25	FATIHA BENTATA	Analysis of Diversity genetic of Moroccan Net blotch populations of barley using AFLP markers
26	Timm Bernhard	CMS-based breeding of winter barley hybrids for bioenergy use
27	Natalie Betts	Transcriptomic analysis of individual barley grain tissues at maturity and during very early germination
28	Hongwu Bian	Efficient Targeted Genome Editing on Vitamin E-Biosynthesis Related Gene in Barley by a CRISPR-Cas9 System
29	Olena Bilynska	Use of chemically modified starch as a solidifying agent of medium for barley haploid production in anther culture in vitro
30	Phil Bregitzer	Transposon Tagging Resources in <i>Hordeum vulgare</i>
31	Maree Brennan	Grain skinning in malting barley: understanding the environmental and genetic influences
32	Davide Bulgarelli	Barley as a model to study host-microbiota interactions in crop plants
33	Hazel Bull	Identification and Characterisation of the Barley Row-Type Gene, VRS3
34	Andy Burkhardt	Screening nested association mapping population for root-lesion nematode, <i>Pratylenchus neglectus</i> , resistance/susceptibility
35	Fangbin Cao	Identification of specific genes for Al tolerance in Tibetan wild and cultivated barleys
36	Ludovic Capochichi	Association of SNP markers and chlorophyll fluorescence parameters with low temperature tolerance in spring barley
37	Steven Carlsen	Characterization of spot form net blotch of barley using host-pathogen genetics
38	Maria Cristina Casao	Spike architecture and downstream genes in VRS3 mutants
39	Austin Case	Mapping of Stem Rust Resistance Genes Rpg2 and Rpg3 in Barley
40	Ana M. Casas	A new Vrs1 allele identified in 2-row Spanish landraces
41	Ariel Castro	Genetic control of phenology in INIA Ceibo x Norteña Carumbé under temperate conditions in South America
42	Ariel Castro	Phenology and breeding origin are the main determinants of genetic diversity structure in South American barley
43	Antony Chapman	Required for Mla resistance 3, a new player in barley powdery mildew resistance?
44	M. İlhan Çağırğan	Outcrossing Percentage of Genetic Male-steriles Derived from “Baronesse” in a Lowland Mediterranean Environment

## Think 4 – Posters 25-60; Think 3 – Posters 61-84

Poster Number	Name	Title
45	Cecilie Christensen	CAD gene knock-out with CRISPR/Cas9 in barley to improve bioethanol production
46	Helen Collins	Changes in the biochemical composition, morphology and transcript profiles of genes, during starch and cell wall synthesis and degradation from anthesis to germination of barley grain
47	Suong Cu	Genetic variation for malting quality responses to different protein levels in barley grain
48	Fei Dai	A draft genome of hullless barley and its domestication of cold adaptation and tolerance
49	Carla de la Fuente Cantó	Recombinant Chromosome Substitution Lines (RCSLs) as a source of genetic variation for drought stress tolerance in barley
50	Vera Draba	Allele mining of wild barley resistance genes using a nested association mapping (NAM) approach
51	Peter Dracatos	Putting rust to sleep in Australia: Breeding for durable resistance to rust diseases in barley
52	Lisa Eichel	Fine mapping and towards cloning of resistance gene rym7 against Barley mild mosaic virus.
53	Ammar Elakhdar	Analysis of Molecular Diversity and Population Structure in Barley ( <i>Hordeum vulgare</i> L.) inferred with SSRs
54	Mouldi EL FELAH	Barley in Tunisia : a long-way breeding story
55	J. Mitch Elmore	----Identification of host targets of Blumeria candidate secreted effector proteins.
56	Duane Falk	Re-domesticating Barley
57	Weiyao Fan	Mapping loci associated with seed phytic acid in barley ( <i>Hordeum vulgare</i> L.).
58	Scott Fisk	The OSU Malt Lab: Bridging the Gap between Barley and Beer on a Research Scale
59	Enrico Francia	Regulatory mechanisms of barley frost tolerance, the continuing conundrum of CBF genes
60	Jerome Franckowiak	A Chromosome Walk Using Bowman Backcross-derived Barley Lines
61	Eyal Fridman	Analysis of GxE interactions in barley HEB-25 population and acceleration to gene isolation by the ComSeq approach
62	Megan Getz	QTL mapping of head and seed morphology in a nested association mapping panel
63	Michael Gines	Candidate qRT-PCR Reference Genes For Barley that Demonstrate Better Stability Than Traditional Housekeeping Genes
64	Shawn Goggins	Environmental associations for cold tolerance in barley
65	baojian guo	Comparative proteomic analysis of two different application cultivars in barley ( <i>Hordeum vulgare</i> L.
66	Ganggang Guo	Allelic variation and geographic distribution of vernalization genes HvVRN1 and HvVRN2 in Chinese barley germplasm
67	Sanjiv Gupta	Availability and utilization of resistance genes for foliar diseases in commercial barleys
68	Sanjaya Gyawali	Genome wide association study (GWAS) of resistance to barley spot blotch in South Asia
69	Allison Haaning	Genome-wide association study of tillering traits in field-grown barley

## Think 3 – Posters 61-84; Think 1 – Posters 85-108

Poster Number	Name	Title
70	Ning Han	miR393-mediated repression of HvTIR1/AFB2 regulates root growth during seedling development and under Aluminum treatment in barley
71	Patrick Hayes	Has the time come for barley to go naked?
72	Patrick Hayes	The Oregon Promise population: the search for barley contributions to beer flavor leads to unexpected opportunities.
73	Xiaoyan He	A Novel $\beta$ -Expansin Gene HvEXPB7, Cloned in the Root Hairs of Tibetan Wild Barley, Improves Root Hair Growth under Drought Stress
74	Joshua Hegarty	Mapping and Deployment of Tolerance to Cereal Yellow Dwarf Virus In Two-Rowed Spring Malting Barley
75	Laura Helgerson	The Oregon State University doubled haploid lab: status update and the development of facultative 2-row malting barley germplasm
76	Dustin Herb	Genome-wide association mapping of low temperature tolerance (LTT) in barley to improve crop efficiency under climate change
77	Paul Herzig	CHARACTERIZATION OF AGRONOMIC TRAITS AND LOCATING EXOTIC GENES, WHICH CONTROL AGRONOMIC TRAITS UNDER CONTRASTING NITROGEN SUPPLY IN THE WILD BARLEY NESTED ASSOCIATION MAPPING POPULATION HEB-25
78	Hiroshi Hisano	Identification of the genomic region responding to amenability of Agrobacterium-mediated transformation in barley
79	Traci Hoogland	Genetics of forage quality traits in a two-row nested association mapping population
80	Parastoo Hoseinzadeh	TOWARD FINE MAPPING OF A POWDERY MILDEW RESISTANCE GENE IN A HORDEUM VULGARE/ BULBOSUM INTROGRESSION LINE
81	Gongshe Hu	Effects of m351 barley ( <i>Hordeum vulgare</i> L.) mutation on grain quality and its applications
82	Matthew Hunt	miRNA discovery in barley ( <i>Hordeum vulgare</i> L.) and the powdery mildew pathogen, <i>Blumeria graminis</i>
83	Yadong Huang	Two barley quantitative trait loci associated with Fusarium head blight resistance exhibit differential resistance mechanisms to Fusarium graminearum infection
84	Ernesto Igartua	Natural variation in FLOWERING LOCUS T, HvFT1
85	Ernesto Igartua	What is PpdH2 doing in winter varieties?
86	Ernesto Igartua	Yield effects of flowering time genes in Mediterranean conditions
87	Marta Izydorczyk	Quality response of new malting barley varieties to increasing nitrogen fertilization rates in western Canada
88	Zahra Jabeen	NHX-type Na <sup>+</sup> /H <sup>+</sup> anti-porter gene expression under different salt levels and allelic diversity of HvNHX in wild and cultivated barleys
89	Ahmed Jahoor	Genomic Prediction in Spring Barley.
90	Abderrazek Jilal	Single Spike Selection (SSS): a different strategy for an efficient barley breeding
91	Zhu Jinghuan	Genetic evidence of local adaption and long distance migration in <i>Blumeria graminis</i> f. sp. <i>hordei</i> populations from China

## Think 1 – Posters 85-108; Inventor 1 – Posters 109-132

Poster Number	Name	Title
92	Nejdet Kandemir	Improving the drought tolerance of some barley cultivars through marker assisted selection
93	Andy Flavell	The barley chromatin epigenome
94	Ajit Kharub	Barley research in India: Challenges and opportunities
95	ANIL KUMAR KHIPPAL	Conservation agricultural practices to improve quality and productivity of malt barley
96	Helmut Knüpffer	Analysis of legacy evaluation data of a large barley germplasm collection
97	Takao Komatsuda	Gene regulation and editing of the barley cleistogamy 1
98	Thomas Kono	The role of deleterious substitutions in crop genomes
99	Ravi Koppolu	Barley multiflorus2.b (mul2.b) regulates rachilla determinacy
100	DINESH KUMAR	Genotypic and location effect on grain protein content of barley under sub-tropical climates
101	LOKENDRA KUMAR	Genetic Evaluation of Barly Germplasm for Lodging Tolerance under Sub-Tropical Climates of India
102	Vishnu Kumar	Malt barley research in India and future prospects
103	BERHANE LAKEW	Barley Research and Development in Ethiopia
104	Alessandro Tondelli Laura Rossini	Genome-wide association mapping of root extension in a collection of European winter barley cultivars
105	W.G. Legge	AAC Connect two-row malting barley combines desirable agronomics, quality and disease resistance including lower DON accumulation
106	Linda Legzdina	Comparison of Spring Barley ( <i>Hordeum vulgare</i> L.) Population Genetic Diversity and Performance under Organic and Conventional Farming Systems
107	Li Lei	The evolution of species range limits in wild barley and its effects on deleterious mutations
108	YUEQIANG LENG	The gene conferring susceptibility to spot blotch caused by <i>Cochliobolus sativus</i> is located at the Mla locus in barley cultivar Bowman
109	Jens Léon	Identification of genetic and phenotypic traits in the root system of drought tolerant spring barley ( <i>Hordeum vulgare</i> )
110	Maria Imaculada Pontes Moreira Lima	Evaluation of barley genotypes to fusarium head blight (FHB) under favorable environment for the disease
111	Maria Imaculada Pontes Moreira Lima	Occurrence and damage of head blast in barley in Brazil
112	Ruiming Lin	Virulence diversity in the populations of barley spot blotch pathogen <i>Bipolaris sorokiniana</i> in China

## Inventor 1 – Posters 109-132; Inventor 2 – Posters 133-156

Poster Number	Name	Title
113	Chaochih Liu	Genomic Structural Variations in Two Genomic Regions of Wild Barley
114	Andres Locatelli	Using QTL analysis of waterlogging tolerance in barley to measure its impact on plant growth and leaf chlorosis
115	Mark Looseley	Introgression of quantitative resistance to <i>Rhynchosporium commune</i> into elite winter barley through marker assisted backcrossing.
116	Haiye Luan	Physiological and proteomics mechanism of barley response to waterlogging
117	Ramamurthy Mahalingam	Shotgun proteomic analysis of the seed proteomes of two-row and six-row barley
118	Rekha Malik	Genetic relatedness studied at molecular level for huskless barley ( <i>Hordeum vulgare</i> )
119	Bram Marynissen	Combining drought tolerance and malt quality
120	Matthew Martin	Barley Rph1-15 Near Iso-genic lines in susceptible cultivar 'Bowman'
121	Oadi Matny	The origin of stem rust resistance in <i>Hordeum</i>
122	Andreas Maurer	GENOMIC DISSECTION OF PLANT DEVELOPMENT AND ITS IMPACT ON YIELD COMPONENTS IN BARLEY THROUGH NESTED ASSOCIATION MAPPING
123	Sarah McKim	Growing Up – Developmental Genetics of Internode Elongation
124	Brigid Meints	Food Barley Breeding for Flavor, Nutrition, and Color
125	Sara Giulia Milner	BRIDGE: Biodiversity informatics for harnessing barley genetic diversity hosted at the genebank of IPK Gatersleben
126	Euclides Minella	Improvements in acid soil tolerance of Brazilian barley will require new allelic combinations
127	David Moody	Australian Barley Breeding: The Public to Private Transition
128	Imrul Mosaddek Ahmed	Physiological mechanism, stress-specific proteins for the tolerance to combined stress of drought and salinity in Tibetan wild barley
129	Matthew Moscou	Dual specificity at the <i>Mla</i> locus confers resistance to barley powdery mildew and wheat stripe rust
130	Gary Muehlbauer	Do the same sets of genes regulate tiller and leaf development?
131	C. Walter Newman	Barley is Better for Food and Health
132	Jeffrey Neyhart	Investigating GxE in a Two-Row Barley Genomic Selection Pilot Study
133	Joseph Nyachiro	Agronomic and quality variation in lines derived from a 'Vivar' barley mutant population
134	Joseph Nyachiro	The development of Quick Cooking Barley using hullless barley
135	Ron Okagaki	Convergence and divergence of axillary meristem and leaf developmental pathways in barley
136	Alex Ollhoff	Building a Bridge to Barley Germplasm Resources with the National Small Grains Collection NAM Population
137	Frank Ordon	A new QTL identified for drought stress tolerance and leaf senescence in juvenile barley

## Inventor 2 – Posters 133-156; Inventor 3 – Posters 157-180

Poster Number	Name	Title
138	Frank Ordon	Genome wide association studies for resistance to <i>Pyrenophora teres</i> f. <i>teres</i> and <i>Coch-liobolus sativus</i> in barley ( <i>Hordeum vulgare</i> )
139	Frank Ordon	Locating QTL for resistance to net blotch ( <i>Pyrenophora teres</i> f. <i>teres</i> ) in a wild barley nested association mapping population
140	Frank Ordon	Towards genomics based isolation of resistance genes against soil-borne barley yellow mosaic virus disease (BaYMV, BaYMV-2, BaMMV)
141	Mehmet Tufan Oz	Generation of transgenic barley expressing <i>Blumeria</i> effector candidate (BEC)1019 to unravel host signaling pathways
142	Zhifen Pan	Wide variations of major grain components, pasting properties and in vitro starch digestibility of Tibetan hull-less barley and its effects on the textural characteristics and predicted functional values of processed cookies
143	Blakely Paynter	Influence of the <i>Alt1</i> gene on the agronomic performance of barley on acidic soils in Western Australia
144	Carlos Perez-Cantalapiedra	Fine-mapping of a powdery mildew QTL by exome sequencing
145	Dragan Perovic	Assessment of genomic resources and Next-Generation-Sequencing technology for resistance breeding in barley
146	Luke Linz	Cost-effective and accurate SNP genotype analysis of barley samples using the Array Tape® Platform and KASP™ genotyping chemistry
147	Ana Poets	Recombination patterns among spring barley populations
148	Kenton Porker	Opportunities to improve barley yield potential and adaptation by optimising development pattern
149	Juncang Qi	Effects of Different Drought Intensity on the Morphology of Barley Seedling Roots
150	Hai long QIAO	Salt Tolerance Identification and Evaluation of Barley Varieties
151	Dandan Qin	Characterization and Fine mapping of a Novel Barley Stage Green-Revertible Albino Gene ( <i>HvSGRA</i> ) by Bulk Segregant Analysis based on SSR assay and Specific Length Amplified Fragment Sequencing
152	Do Mornhinweg	New pest threat to barley in the U.S.
153	Mohammad Pourkheirandish	Fine Mapping of <i>Rph12</i> , a Gene Conferring Resistance to Leaf Rust in barley
154	Luke Ramsay	Association genetic analysis of nitrogen use efficiency in northern european winter barley
155	Abdur Rashid	Extraction of high-quality RNA from germinating barley ( <i>Hordeum vulgare</i> L.) seeds containing high levels of starch.
156	Volodymyr Radchuk	Molecular Mechanisms of Assimilate Transfer in the Developing Barley Grains
157	Sajid Rehman	Identification of novel sources of resistance to powdery mildew in barley by Focused Identification of Germplasm Strategy (FIGS) approach
158	Jonathan Richards	High-Resolution Mapping Reveals Candidate Genes at Major and Minor Effect Loci Conferring Susceptibility to Net Form Net Blotch on Barley Chromosome 6H

## Inventor 3 – Posters 157-180; Pinnacle Ballroom – Posters 181-230

Poster Number	Name	Title
159	Fulvia Rizza	Diversity in frost tolerance and adaptive traits in barley germplasm of different origin
160	Fulvia Rizza	Effects of elevated CO <sub>2</sub> on growth, yield and grain composition of four barley varieties
161	Ghizzoni Roberta	Fusarium langsethiae as an emerging toxins producer in malting barley
162	Silvio Salvi	Describing and Cloning Root Mutants In Barley
163	Joanne Russell	A genome wide analysis of key genes controlling diastatic power activity in winter and spring barley.
164	stephanie saade	Identifying the components of salinity tolerance using a Nested Association Mapping barley population
165	Shun Sakuma	Identification of deficiens (Vrs1.t) responsible for rudimental lateral spikelets and enlarged central grains
166	Saida Salah-Mlaouhi	Abiotic Stress of <i>Barley</i> with Rise Temperature conjugated to Soil Salinity in an Irrigated Area by Treated Waste Water in Tunisia
167	Ahmad Sallam	Genome-wide Association Mapping of Heading date in the Wild Barley Diversity Collection
168	Kazuhiro Sato	Isolation of seed dormancy QTL Qsd1 in barley
169	Karl Schmid	Improving genomic prediction in barley breeding with variable selection methods
170	Alan Schulman	ClimBar: An Integrated Approach to Evaluate and Utilize Genetic Diversity
171	Alan Schulman	Retrotransposons and Their Role in Genome Structure and Dynamics in Barley
172	Thorsten Schurbusch	Domesticated barley ( <i>Hordeum vulgare</i> L.) originated from an Intermedium type of wild barley
173	AJEET SINGH SHEKHAWAT	Genetic Analysis of Barley ( <i>Hordeum vulgare</i> L.) Genotypes Under Normal and Limited Moisture Conditions
174	Roshan Sharma Poudel	You need two to Tango: Identification of candidate effectors/avirulence genes that interact with the wheat stem rust resistance locus rpg4/Rpg5
175	Lizette Schneider	Wax biosynthesis expands beyond Arabidopsis to the diketone synthase (DKS) polyketide pathway.
176	Jaswinder Singh	A Malting quality QTL on chromosome 4H harbors a key gene which influences $\beta$ -glucan activity in barley
177	Jogendra Singh	Association and Multivariate Analysis of Yield and its Components in Hulless Barley ( <i>Hordeum vulgare</i> L)
178	Brian Steffenson	Low Temperature Tolerance of Cultivated and Wild Barley Germplasm in Autumn-Sown Field Trials in Minnesota.
179	Brian Steffenson	On the Possible Origin of Stem Rust Resistance Genes in Barley
180	Eric Stockinger	Implication of CBF2A–CBF4B genomic region copy numbers in affecting expression of other FR-H2 CBFs
181	Dongfa Sun	Genetic divergence, population structure of wild barley and origin of cultivated barley
182	Dongfa Sun	Inheritance, molecular identification and utilization of a novel dwarfing germplasm “Huaai 11” in barley



## Pinnacle Ballroom – Posters 181-230

Poster Number	Name	Title
183	Saemundur Sveinsson	
184	Daniel Sweeney	Non-destructive whole grain high-throughput phenotyping for malt quality traits in malting barley
185	Dimitri SZABO	On the interest of Research Resource Planning1 tool in data handling for barley breeding
186	Karima Taibi	Virulence of Moroccan Pyrenophora teres f. teres revealed by international differential barley genotypes
187	cong tan	BarleyVarDB: an integrated database of barley genomic variants
188	Zenith Tandukar	Towards positional cloning and functional analysis of glossy mutants in barley
189	William Thomas	Improving the processability of malting barley
190	William Thomas	Improving winter barley malting quality
191	Filipa Tome	Regulation of inflorescence development in response to photoperiod in barley
192	Alessandro Tondelli	A major QTL on chromosome 7HS controls seed germination under salt stress in the 'Nure' x 'Tremois' barley mapping population
193	Claudia Toniazzo	MALTING QUALITY IMPROVEMENT AND MOLECULAR MARKERS TO ASSESS GENETIC DIVERSITY IN BARLEY
194	James Tucker	Phenotypic Assessment of a Set of Two-row Barley Genotypes with Differential FHB Resistance and DON Accumulation
195	Thomas Turkington	An overview of scald and net blotch resistance screening at Lacombe and Edmonton, Alberta, Canada
196	Yerlan Turuspekov	Genetic and phenotypic variation of spring barley accessions from Kazakhstan and USA
197	Wilma van Esse	Genetic dissection of tiller development in barley
198	THIRULOGACHANDAR VENKATASUBBU	Dosage-dependent expression of duplicated genes regulated barley leaf and spikelet development and brought two-rowed barley into existence
199	Liliana Vasilescu	A comparison study of agronomical and physiological traits in a set of varieties released in Romania and Italy during the last 40 years
200	Ramesh Verma	Addressing the global challenges for barley improvement through CGIAR Research Program on Dryland Cereals
201	Ramesh Verma	Novel sources of resistance to stripe rust in ICARDA barley germplasm
202	Sadaram Verma	Genetic improvement for grain yield and quality traits in barley ( <i>Hordeum vulgare</i> L.)
203	Marcus Vinje	Comparative expression analysis of hordein and beta-amylase in developing barley grains
204	Andrea Vioni	Optimizing test locations and identifying promising genotypes in ICARDA barley breeding program
205	Asuka Takahashi	Relationship between <i>Hordoin</i> and barley pearling characteristics
206	Agatha Alexandra Walla	Phenotypical Dissection of a High Tillering Mutant in Barley
207	Hugh Wallwork	Detection of minor gene resistance to net form net blotch under controlled environment conditions

## Pinnacle Ballroom – Posters 181-230

Poster Number	Name	Title
208	Junmei Wang	A high density map reveals better markers for the new semi-dwarf gene on chromosome 7H in barley
209	Rui Wang	Molecular mapping of a single dominant gene for resistance to a new pathotype of <i>Cochliobolus sativus</i> in barley
210	Yajun Wang	Map-based cloning of <i>Rphq11</i> : a QTL conferring partial resistance to adapted and non-adapted rust species in barley
211	WHEALBI Consortium	WHEALBI: Applying state of the art genomic tools, methods and approaches to characterise barley and wheat genetic resources from across their geographical range as sources of genes and alleles for use in crop improvement
212	Mathias Wiegmann	CROSSTALK BETWEEN FLOWERING TIME AND ABIOTIC STRESS TOLERANCE IN HALLE EXOTIC BARLEY-YIELD
213	Ronja Wonneberger	Identification of molecular mechanisms in the Drechslera teres – barley pathosystem and analysis of genetic diversity and population structure of a Norwegian D. teres population
214	Dezhi Wu	Cadmium uptake is mediated by a manganese transporter, HvNramp5 in barley
215	Ping Yang	Evolution of recessive resistance genes against the bymovirus disease of barley
216	Lu Yin	Fine Mapping Coincident QTL for Multiple Traits Linked with Gpc1 on Chromosome 6H of Barley
217	Helmy Youssef	Six rowed spike 2 (Vrs2) – a central regulator of spike development in barley
218	Behzad Talle	Manipulating Male Fertility in Barley ( <i>Hordeum vulgare</i> L.)
219	Jennifer Zantinge	A customised single nucleotide polymorphism (SNPs) panel for molecular marker assisted selection within an applied spring barley breeding program.
220	wen zang	Genetic and histological studies of durable loose smut resistance mediated by Un8 in barley
221	Jianbin Zeng	Integration of Transcriptome, Proteome and Metabolome Analysis Reveals the Mechanisms of Low-Potassium Tolerance in Barley
222	Alessandro Tondelli	Exploring phenotypic variation for key agronomic and life history traits in a barley legacy collection
223	Roger Wise	Inter-chromosomal transfer of immune regulation during barley-powdery mildew interactions
224	Takashi Yanigasawa	Japanese Barley Cultivars with high $\beta$ -glucan Content
225	Qisen Zhang	Identifications of significant genes controlling malting qualities in barley genome
226	xinzhong zhang	QTL mapping of glume-opening angle in barley ( <i>Hordeum vulgare</i> L.)
227	Meixue Zhou	Breeding barley for waterlogging tolerance: key mechanisms and ready-to-use molecular markers
228	Min Zhu	Evaluating predictive values of various physiological indices for salinity Stress tolerance in barley and wheat
229	Min Zhu	Evaluation of physiological characteristics conferring waterlogging tolerance in barley accessions
230	Monika Zwirek	Mechanisms Underlying Row-Type Determination in Cultivated Barley