

A-Genetic resources, diversity and domestication:**Poster number:**

- A01 María Elena Cartea, Pablo Velasco and Marta Francisco:
Seed Oil Content and Fatty Acid Composition of *Brassica* Crops from Northwestern Spain
- A02 Donghui Xu, Jian Wu, Rifei Sun and Xiaowu wang:
Natural Variation of Glucosinolates in *Brassica rapa*
- A03 Mei J, J Li, Q Li, X Yang, J Yin, D Cai, M Frauen and W Qian:
Identification of *Sclerotinia sclerotiorum* Resistance within *Brassica oleracea*
- A04 Shi, G., Teakle, G., Larson, T., Pink D., Grant, N., Edwards, R., Selby, J., Peplow K. and Barker G:
Inter and Intra Allelic Variation in Genes Underlying Fatty Acid Synthesis in DFFS sets of *Brassica oleracea* and *Brassica napus*.
- A05 Charlotte Allender and Graham Teakle:
Microsatellite Diversity Reveals 'Signature of Selection' in Cauliflowers (*Brassica oleracea* L.)
- A06 Ying-Hua Jin, Chang-Pyo Hong, Su Ryun Choi, In-aePark, Hye Ran Kim and Yong Pyo Lim:
Korea *Brassica* Genome Resource Bank (KBGRB): Genetic and Genomic Resources
- A07 LI Guo-qiang, LI Xi-xiang, SHEN Di, WANG Hai-ping, SONG Jiang-ping and QIU Yang:
Construction of Heading Chinese Cabbage Core Germplasm Collection Based on the Morphological Data
- A08 Teakle, G., Durnford, J., Stevenson, S., Foulkes, J., White, P., Berry, P., and Pink, D.:
Genetic diversity for nitrogen use efficiency traits in oilseed rape
- A09 Teakle, G., Shi, G., Allender, C., Grant, N., Peplow K., Stevenson, S., Bailey, E., Robinson, H., McClement, S., Astley, D., King, G., Barker G. and Pink, D.:
Genetic Diversity within *Brassica oleracea* and *B. napus* Diversity Foundation Sets Assessed with SSR markers
- A10 Font R., Galán-Soldevilla H., Ruiz Pérez-Cacho, P., Villatoro-Pulido M., Del Río-Celestino M.:
Characterization of the Sensorial, Morphological and Agronomic Attributes of a World Collection of Rocket
- A11 Niels Agerbirk, Suzanne Warwick and Carl Erik Olsen:
Evolution of Glucosinolate Biochemistry in the Polyphyletic Genus *Sinapis* and Related *Brassica* Species
- A12 David A. Baum, Ning Liu, and Raul Correa:
Using Transgenic and Transgenomic Methods to Find Genes Responsible for Crucifer Diversity

B - Human health related qualities/functional foods + Post-harvest and quality:

- B01 Pablo Velasco, María Elena Cartea and Guillermo Padilla:
Seasonal Variation in Glucosinolate Content in *Brassica Oleracea* Crops Grown in Northwestern Spain.
- B02 Jasna Čačić, Jerko Markovina and Jasenka Gajdoš Kljusurić:
Functional Food in Croatia: Consumers' Perception and Legal Aspects
- B03 Benjamin Wittkop, Rod Snowdon and Wolfgang Friedt:
Improvement of rapeseed meal quality via reduction of seed fibre and phenolic fractions
- B04 Juliane Mittasch, Sabine Mikolajewski, Dieter Strack and Carsten Milkowski:
Characterization of the *UGT84A9* Loci in *Brassica napus*
- B05 Annick Bellamy, Céline Boulard, Thierry Chardot, Michel Renard, Pascale Jolivet and Nathalie Nesi:
Protein Composition of Oil Bodies from *Brassica Napus* Seeds
- B06 Bathilde Auger, Cécile Baron, Marie-Odile Lucas, Véronique Gautier, Nathalie Marnet, Isabelle Debeaujon, Jean-Marc Routaboul, Sylvain Guyot, Boulos Chalhoub, Loïc Lepiniec, Michel Renard, Nathalie Nesi:
Flavonoid Metabolism in *Brassica Napus* Seed
- B07 Ishita Ahuja and Atle Magnar Bones:
Localization of myrosin cells in different plant parts of *Brassica napus* cv. Westar through Immuno-fluorescence and Confocal Microscopy
- B08 Niu Lina, Lu Guangyuan, Zhang Jiaming, Johan Meijer and Wu Xiaoming:
Silencing of Myrosinase Gene in Rapeseed by Anti-sense Expressing Arabidopsis *TGG1* and *TGG2* Confer Resistance to Aphid
- B09 Bettina Walter, Karin Schwarz, Wolfgang Bilger, Magnor Hansen, Eva M. Hubbermann and Gunnar B. Bengtsson:
Storage Behaviour of Pak Choi (*Brassica rapa* L. ssp. *chinensis* var. *communis*) with Different Flavonoid Content
- B10 Branca F. and Chiarenza G.L.
Variation of The Biometric Characteristics and The Antioxidant Compounds of Violet Cauliflower Curd in Relation to Temperature and Light Radiation
- B11 A. Melchini, S. Catania, C. Costa, M. Traka, R. Mithen, S. Saha and A. Trovato:
Eruca sativa Mill. and *Diplotaxis* ssp. L.: Characterization of Isothiocyanates in Leaves from Italian Rocket Salads and *in Vitro* Antiproliferative Studies

C - Agronomy and diseases, incl. sustainable production and organic farming:

- C01 Bing Song Zheng, Maria Andersson, Elin Rönnerberg, Krister Lundgren, Thomas Moritz and Johan Edqvist:
The primary analysis of Arabidopsis Sterol Carrier Protein-2 in Seedling Establishment
- C02 Arne Svinningen., Jegathambigai, V., Karunaratne, M.D.S.D and G.Mikunthan:
Eisenia foetida: A Potential Soil Dweller to Recycle Ornamental Industrial Foliage Wastes in to Compost
- C03 P. Hand, P. Soengas, J. G. Vicente, E. Bailey, D. A. C. Pink:
Characterisation of Quantitative Resistance to *Xanthomonas campestris* pv. *campestris* in *Brassica rapa*
- C04 Zanetti Federica, Vamerali Teofilo and Mosca Giuliano:
Characterisation of *Brassica Carinata* L. Root System in Response to Decreasing Agricultural Input
- C05 Hendrik Winter, Antje Diestel, Susanne Gärtig, Nicole Krone, Karina Sterenberg and Maria Dolores Sacristán:
Different Genetic Resources for Blackleg Resistance Transfer into *Brassica napus*
- C06 Arne Svinningen, Jegathambigai, V., Lambert, J., Karunaratne, M.D.S.D and Mikunthan, G:
Potential of Mycopathogens to Organically Manage Root Borer, *Parapoinx stratiotata* L. Damaging *Livistona rotundifolia* L. Foliage Industry.
- C07 Stephen Ridge, Philip H. Brown, James L. Weller, Valérie Hecht, Cameron J. Spurr, Ronald G. Driessen and Arie Baelde:
Molecular Tools for Understanding Vernalisation and Reproductive Development in Cauliflower
- C08 Mélanie Jubault, Antoine Gravot, Christine Lariagon, Carole Deleu, Alain Bouchereau, Régine Delourme and Maria J. Manzanares-Dauleux:
Integrative Analysis of the *Arabidopsis thaliana*-*Plasmodiophora brassicae* Interaction: Deciphering Mechanisms Associated with Partial Resistance.
- C09 C. Almqvist, A-C. Wallenhammar and A. Jonsson:
Quantitative PCR-detection Methods for Mapping In-field Variation of Soil-borne Pathogens in Brassica Crops
- C10 Hua Li:
Hypersensitive to Highly Susceptible Responses in *Brassica napus* Cultivar Surpass 400 to *Leptosphaeria maculans* strains
- C11 A. Ignatov, E. Mazurin, F. Dzhililov, E. Matveeva, N.W. Schaad:
“An Improved Model for Races of *Xanthomonas Campestris* Pv. *Campestris*”

- C12 *Zanetti Federica, Vamerali Teofilo and Mosca Giuliano:*
"Different Behaviour of High Erucic Rapeseed Varieties with Low Input Management in NE Italy"
- C13 *Mary C Christey, Robert Braun, Sandi Keenan, Emily Gerard and Jana Lottmann:*
"Agronomic Performance and Nontarget Impacts of Bt-containing Forage and Vegetable Brassicas under Field Conditions"
- C14 *Guixiang Tang, Katrin Knecht, Yebo Qin, Wei jun Zhou and Daguang Cai:*
"The potential of resistance gene analogs (RGAs) of wild beet (*Beta procumbens*) for breeding of rapeseed (*Brassica napus*) cyst nematode resistance"
- C15 *Lilija Borovko and Ingrida Grantina:*
Efficiency environment-friendly cultivation technology on spring rape productivity
- C16 *Lô-Pelzer E, Boillot M, Aubertot JN, Pinochet X, Jeuffroy MH, Salam MU and Bousset L:*
SIPPOM-WOSR, a Simulator for Integrated Pathogen POPulation Management, to Help Design Sustainable Strategies to Control Phoma Stem Canker on Winter OilSeed Rape

D- Comparative & Applied Genomics:

- D01 *Chang Pyo Hong, David Edwards and Yong Pyo Lim:*
Genomic Distribution of Simple Sequence Repeats in *Brassica rapa*
- D02 *Daniela Holtgräwe, Thomas Rosleff Sørensen, Prisca Viehöver and Bernd Weisshaar:*
High throughput detection of sequence polymorphisms (SNPs) for genetic marker development in crop plants
- D03 *Bejai R. Sarosh, Jesper Danielsson and Johan Meijer:*
Transcriptome Analysis of Oilseed Rape (*Brassica napus*) to Differentiate Genes Involved in Microbial Interactions with Beneficial *Bacillus amyloliquefaciens* for Biocontrol from Pathogenic *Botrytis cinerea*
- D04 *Pankin A.A., Khavkin E.E., Chèvre A.-M., Divashuk M.G. and Karlov G.I.:*
A Suite of SCAR Markers for *Brassica* Genome B and Its Individual Chromosomes
- D05 *N. Sharma, M. Anderson, A. Jadhav, A. Kumar, Y. Zhang, I. Zaharia, D.C. Taylor, S.R. Abrams, and P.R. Fobert.*
Changes in Gene Transcription and Plant Growth Regulators Associated with Transgenic Increases in Seed Oil Content.
- D06 *Pierre W.C. Carion, Graham R. Teakle and Graham J. King:*
CropStore for *Brassica*: Low Maintenance, Explicit Curation & Management of Integrated Genetic Datasets
- D07 *Stephen Amoah, Mike Wilkinson and Graham King:*
The Role of DNA Methylation in Crop Phenotype Plasticity.

- D08 *Zygmunt Kaczmareka, Elżbieta Adamska, Teresa Cegielska and Laura Szala* :
"Evaluation of Genetic Parameters for seed yield and fatty acids content in DH lines of winter oil seed rape on the Basis of Line x tester experiment"
- D09 *Sei-Ichi Hareyama, Shuji Yokoi, Ayumi Goto, Ryo Tsuwamoto and Yoshihito Takahata*:
"Identification and Characterization of Genes Expressed in acquisition of desiccation tolerance of microspore-derived embryos of *Brassica napus*"

F- Trait genetics

- F01 *Artemyeva A.M., Kalinina E.N., Zhao J., Lou P., Pino Del Carpio D., Chesnokov Yu.V. and Bonnema A.*:
Evaluation of QTL for Phenotypic Characters of *Brassica rapa*
- F02 *Panjisakti Basunanda, Wolfgang Friedt and Rod Snowdon*:
Analysis of the Genetic Basis of Heterosis in Oilseed Rape (*Brassica napus*) via Comparative QTL Mapping
- F03 *Tung Nguyen, Wolfgang Friedt, Sue Abrams, Irina Zaharia and Rod Snowdon*:
A Putative Micro-RNA Regulatory System Influencing Hormonal Control of Germination and Seedling Vigour in *Brassica napus*
- F04 *Yuxiang Yuan, Jian Wu, Rifei Sun, Xiaowei Zhang, Donghui Xu, Xiaowu Wang*:
Naturally Occurring Splicing Site Mutation in the *Brassica rapa* *FLC1* Gene is Associated with Variation in Bolting Time
- F05 *Seosamh Ó Lochlainn, Helen C. Bowen, Rupert Fray, John P. Hammond, Graham J. King, Philip J. White and Martin R. Broadley*
Natural Genetic Variation in Zinc (Zn) Accumulation by Brassicaceae
- F06 *Lingjuan Li, Chunyu Zhang, Xingxing Wang, Yan Long, Jessica Endrigkeit, Christian Jung and Jinling Meng*:
Tocopherol Variation and QTL Detection in Seed of *Brassica napus*
- F07 *Dan Qiu, Muqiang Gao, Cori Ellison, Genyi Li, Fenglian Huang, Florence Negre-Zakharov, Ferdinando Branca and Carlos Quiros*:
Mapping of 10 Major Genes Involved in Isothiocyanate Content and QTL Analysis in *Brassica oleracea*
- F08 *Katarzyna Mikolajczyk, Mirosława Dabert, Wojciech M. Karłowski, Stanisław Spasibionek, Teresa Cegielska-Taras and Iwona Bartkowiak-Broda*:
Development of Allele-Specific SNP Markers for the Low-Linolenic Mutant Genotype of Winter Oilseed Rape
- F09 *Satoru Matsumoto1, Keita Suwabe, Katsunori Hatakeyama and Nobuko Fukino*:
Map Based Cloning of the Clubroot Resistance Gene, *Crr1*, in *Brassica rapa* L.
- F10 *Jing Wang, Yan Long, Jinna Hou, Xiaoxiao Zou, Baoduo Wu, Shutao Dai and Jinling Meng*:

DETECTION and DISSECTION of QTL for FLOWERING TIME in *BRASSICA NAPUS*

- F11 Pooja Sharma, Mithu Chatterjee and Jitendra P. Khurana:
Molecular and Functional Analysis of a Blue Light Receptor, Cryptochrome 2, from *Brassica*
- F12 Rachel Wells, Colin Morgan, Hayley Jeffries and Ian Bancroft:
The Genetic Control of Canopy Architecture in Oilseed Rape (*Brassica napus*)
- F13 E. Pic, L. Champolivier, A. Estragnat, B. Bammé, M. Hébrail, A. Lefèvre, L. Béthencourt, S. Rolland¹, J. Bécheny, M. Renard and X. Pinochet:
Detection of QTLs for Traits Associated with Nitrogen Use Efficiency in Winter Oilseed Rape (*Brassica napus* L.)
- F14 You-Rong Chai, Xiao-Chun Lu, Jia-Na Li, Zhang-Lin Tang, Ben-Xun Li, Ben-Bo Xu, Sheng-Dong Wu:
Brassica napus TRANSPARENT TESTA 1 Gene Family: Cloning, Expression Regulation, and Relatedness to Yellow Seed Trait
- F15 S.G. Monakhos and A.S. Mikrjukov:
Inheritance of resistance to turnip mosaic virus (TuMV) in Chinese cabbage
- F16 Mário Farinhó, Jorge Carlier, Claudia Alabaça, Patrícia Guerreiro, Paula Coelho, António Monteiro and José Leitão:
Progressing Towards the Map-Based Cloning of Downy Mildew Resistance Genes in *Brassica oleracea* L.
- F17 Claudia Alabaça, Nelson de Sousa, Paula Coelho, António Monteiro and José Leitão:
Genetic Mapping of the Downy Mildew Resistance Genes in 'Couve Algarvia' (*Brassica oleracea* var. *trunchuda*)
- F18 Mathilde Orsel, Anne-Sophie Canoy, Michel Bregeon, Emmanuelle Pic, Joël Piquemal, Martine Leflon, Jean-Michel Allirand, Frédérik Ledily, Michel Renard, Xavier Pinochet:
Nitrogen Nutrition Efficiency of Winter Oilseed Rape: Variability Among 6 DH Lines Grown Under Two Levels of Nitrogen Availability.
- F19 Peter Glen Walley, John Carder, Emma Skipper, Ian Puddephat, Dave Pink and Vicky Buchanan – Wollaston:
Mapping and Analysis of Genetic Loci Controlling Quality Traits in Broccoli
- F20 Christophe Jestin, Maryse Lodé, Patrick Vallée, Claude Domin, Cyril Falentin, Raymonde Horvais, Maria J. Manzanares-Dauleux and Régine Delourme:
Association Mapping of Quantitative Resistance to Blackleg in *B. napus*
- F21 John A. Walsh, Carol E. Jenner, Judith M. Bambridge, Rachel L. Rusholme, Sara L. Hughes, Erin E. Higgins, Isobel A. P. Parkin, Guy Barker and Derek J. Lydiate:
Genetic Resistance to Turnip mosaic virus (TuMV) in Brassicas

- F22 *Yun-Hai Lu, Harry Belcram, Patricia Rouault, Nathalie Piel, Marie-Odile Lucas, Cyril Falentin, Michel Renard, Boulos Chalhoub and Régine Delourme:*
Cloning of a Cleistogamy Gene *Clg1* in Oilseed Rape (*B. napus* L)
- F23 *Yu Xiaolin, Lu Haiyu and Cao Jiashu:*
An SSR marker linked to the *tpa* gene in *Brassica campestris* L. ssp. *rapifera*
- F24 *Sakai, M., Yokoi, S. and Takahata, Y.:*
Isolation of Microspore Embryogenesis Specific Genes in Rapeseed Using Embryo Specific Promoter
- F25 *Tim Sharbel:*
Apomixis evolution in *Boechera*: from the population to the ovule and back
- F26 *Mohammad H. Borhan, Elena Beynon, Dean Sillito and S. Roger Rimmer*
EST libraries from the *Albugo candida* – *Brassica juncea* host pathogen interaction
- F27 *Li Huang, Jiashu Cao and Tingting Liu:*
Morphological, Cytological and Ultrastructure Observation on Flower Development of *Brassica campestris* ssp. *Chinensis*
- F28 *Thomas A Wood, Colin Morgan and Lars Østergaard:*
A Genetic Approach towards Modulating Unsynchronised Pod Shattering in Oilseed Rape (*Brassica napus*)
- F29 *Marmagne A., Albertin W., Balliau T., Letanneur J.-C., Eber F., Chèvre A.-M., Damerval C., Brabant P., Thiellement H., and Alix K.:*
A Combined Proteomic and Transcriptomic Approach to Study Differential Regulation of Gene Expression in Newly Synthesized Brassica Napus Allotetraploids

G - Brassica Breeding and Genetic improvement, incl. Transgenics:

- G01 *Pu Xiao-bin, Zhang Jin-fang, Li Hao-jie and Jiang Liang-cai:*
MOLECULAR MARKERS and IDENTIFICATION of AGRONOMIC CHARACTERS of MUTANT in RAPESEED By SPACE MUTAGENESIS
- G02 *Yang Jing-Hua, Zhang Ming-Fang and Yu Jing-Quan:*
Mitochondria-targeted Expression of CMS-associated *orf220* Gene Causes Male Sterility in Stem Mustard (*Brassica juncea*)
- G03 *Chaozhi Ma, Chunyan Li, Xingguo Zhang, Yongqiang Tan, Tonghua Wang and Tingdong Fu:*
Genetic analysis reveals a dominant *S* locus and an *S* suppressor locus in cultivated self-compatible *Brassica napus*
- G04 *Gul Zaffar, Shaheena Nagoo and Shafiq.A. Wani:*
Haploid Development in Turnip Rape *Brassica rapa* var *olifera* Through Anther Culture: Source of Homozygous Inbred Lines.

- G05 Barbara K. Mable, Peter Hoebe and Marc Stift:
Mating System Variation in *Arabidopsis lyrata*: Causes and Consequences
- G06 Handa H, Oshima M and Imamura J:
The Mitochondrial DNA Region for the CMS Gene, *orf125*, of Kosena CMS Rapeseed Comes from the Intermolecular Recombination.
- G07 Oshima M, Koizuka N., Handa H. and Imamura J.:
Copy Number of the CMS Gene, *orf125*, of Kosena CMS Rapeseed is Down-Regulated by a Nuclear Gene, Fr
- G08 N.Acciarri, E.Sabatini, G.L.Rotino, T.Ciriaci, L.Pulcini, M.della Campa and A.Maestrelli:
Breeding in Progress in New Typologies of Orange Cauliflowers (*Brassica oleracea* L. var. *botrytis*)
- G09 E.N. Goloveshkina, T.N. Gribova, A.M. Kamionskaya and K.G. Skryabin:
Production of *Brassica oleracea* var. *capitata* Transgenic Plants with New Agrotechnical Properties.
- G10 Martine Leflon, Xavier Pinochet, Alexandra Huesken, Don Pendergast, Simon Kightley:
Cleistogamy of oilseed rape : a way to prevent pollen flow at the field scale ?
- G11 Shengwu Hu, Jiangjun Chang, Zehua Zhang and Huixian Zhao:
Development of Molecular Markers Specific for different Cytoplasm in Oilseed Rape (*Brassica napus* L.)
- G12 Katsunori Hatakeyama, Atsushi Horisaki, Satoshi Niikura, Hitoshi Yoshiaki, Masahiko Ishida and Satoru Matsumoto:
Identification of QTLs for the High Level of Self-incompatibility in *Brassica rapa* L.
- G13 Xian-Hong Ge, Jing Wang and Zai-Yun Li:
Genome-Specific Chromosome Stability in Synthetic Brassica Allopolyploids induced by Alien Chromosome Elimination and Potential Correlation with Nucleolar Dominance
- G14 Szadkowski Emmanuel, Nicolas Stephane Dimitri, Eber Frederique, Manzanares-Dauleux Maria, Delourme Regine, Jenczewski Eric, Chèvre Anne-Marie:
Structural Modifications in Newly Synthesized *Brassica napus* Polyploids: Non-Symmetric Deletion of Parental Genomes since Early Generations
- G15 Branca F., Argento S. and Tribulato A.:
Work in progress on Characterisation and Exploitation of Brassica Macrocarpa Guss
- G16 Suhyoung Park, Pue Hee Park, Sunggil Kim and Moo-Kyoung Yoon:
Finding of a Novel Cytoplasmic Male-Sterile Local Variety in Radish (*Raphanus sativus* L.)
- G17 Sara Obregón, José Bejarano, Milagros Saavedra and Antonio de Haro:
Cruciferae plant species for Biofumigation in Mediterranean conditions. Looking for variability in glucosinolates

- G18 *M. Habibur Rahman:*
Introgression of Clubroot Resistance from European Winter Canola into Spring Canola *Brassica napus* L.
- G19 *Akasaka-Kennedy Y., S. Yokoi and Y. Takahata:*
Genetic Variation of Storage Compounds of Seeds in Rapeseed (*Brassica napus* L.) Germplasm by Near-Infrared Spectroscopy.
- G20 *Li-Ping Chen, Yan Wang, Xue-Yun Zhu, Li-Li Dong and Zhu-Jun Chen:*
Genetic improvement of *Brassica juncea* in China
- G21 *CHHAYA ATRI, SATINDER SINGH, NAVJYOT KAUR and S.S.BANGA:*
Attempts at developing Frost Tolerant Genotypes of Brassica Juncea following introgression from *Erucastrum Abyssinicum*
- G22 *RH Braun, SC Morrison , FM Andrews, KE Schwinn and Mary C Christey:*
Increased anthocyanin production in cauliflower by transformation with the *lc* Locus
- G23 *PAYAL BANSAL, SHASHI BANGA and S.S.BANGA:*
Studies on genetic diversity, combining ability, amphiploidy and heterosis in brassica juncea and progenitor species