

## S2- Genetic diversity, epigenetics, breeding and biotechnology

*Underlined poster numbers correspond to Flash Presentations*

Poster ID	Title	Authors
<b>P-200</b>	<b>Selection efficiency in early breeding of Australian adapted Indian mustard (<i>Brassica juncea</i>)</b>	Ali A. Parker P., King G.
<b>P-201</b>	<b>Inference of demographic history provides insight into domestication and morphotype diversification in <i>Brassica oleracea</i></b>	Turner, S.D., Mabry M.E., McAlvay A.C., Pires J.C., Beissinger T.M.
<b>P-202</b>	<b>Transcriptome and methylome profiling of the different genotypes response to vernalization in <i>Brassica rapa</i></b>	Li P., Su T., Wang W., Yu Y., Zhang D., Zhao X., Yu S., Zhang F.
<b>P-203</b>	<b>Developing Customer Oriented Doubled Haploid Inbred Lines of Brassicaceae Vegetables in Korea</b>	Park S., Park M.Y., Jang H., Jang S.W., Choi S.K., Lim Y.P.
<b>P-204</b>	<b>Genome-wide identification of disease resistance genes in the Brassicaceae and characterisation of their DNA methylation status in <i>Brassica napus</i></b>	Tirnaz S., Bayer P., Severn-Ellis A., Edwards D., Batley J.
<b>P-205</b>	<b>SNP genotyping with optimized molecular marker sets for plant breeding in the Brassica species (<i>B. napus</i>, <i>B. oleracea</i> and <i>B. rapa</i>)</b>	Ganal M., Polley A., Plieske J.
<b>P-206</b>	<b>DFG-Predict: Omics-based prediction of hybrid performance and systems genetic analyses in spring-type oilseed rape</b>	Dominic Knoch, Abbadi A., Bräutigam A., Grandke F., Himmelbach A., Meyer R.C., Riewe D., Samans B., Snowdon R., Werner C.R., Altmann T.
<b>P-207</b>	<b>Trait collection of VIR small radish (<i>Raphanus sativus</i> L.)</b>	Kurina A., Artemyeva A.
<b>P-208</b>	<b>New insights into the genetic diversity and reproduction of <i>Brassica rapa</i> L.</b>	Aïssiou F., Rousseau-Gueutin M., Laperche A., Falentin C., Lodé M., Deniot G., Boutet G., Régnier F., Trotoux G., Huteau V., Coriton O., Abrous O., Chèvre A/M., Hadj-Arab H.
<b>P-209</b>	<b>'DEsCriBe' project: A wide investigation of phytochemical diversity in leaves, roots and seeds of <i>Brassica napus</i></b>	Gravot A., Hamzaoui O., Lebreton L., Marnet N., Marquer B., Leconte P., Langrume C., Lariagon C., Lemoine J., Lode M., Berardocco S., Gilet M., Trotoux G., Glory P., Domin C., Moulin B., Ourry M., Mougél C., Laperche A., Nesi N., Chèvre A.M., Rousseau-Gueutin M., Cortesero A.M., Hervé M., Manzanares-Dauleux M.J., Delourme R., Bouchereau A.
<b>P-210</b>	<b>Genetic diversity of white cabbage (<i>Brassica oleracea</i> var. <i>capitata</i> L.) inbred lines based on simple sequence repeat (SSR) markers and its relation to hybrid performance</b>	Katarina R.P., Murovec J., Štajner N., Bohanec B.

<b>P-211</b>	<b>Investigation and improvement of the genome stability of advanced <i>Brassica A<sup>1</sup>A<sup>1</sup>B<sup>c</sup>B<sup>c</sup>B<sup>c</sup>B<sup>c</sup></i> allohexaploids</b>	Zang W., Chang S., Mason A.S., Meng J., Zou J.
<b>P-212</b>	<b>Interspecies Hybridization in Brassicaceae Vegetables for Enriching Secondary Metabolites</b>	Nath U.K., Samnang S., Sreyvatey P., Park J.I., Nou I.
<b>P-213</b>	<b>Fine mapping and candidate gene analysis for a major locus controlling circadian clock and secondary metabolism in <i>Arabidopsis</i></b>	Francisco M., Rodríguez V.M., Cartea E., Kliebenstein D.J.
<b>P-214</b>	<b>Beyond biofuel – high value applications of thermo-stable rapeseed oil.</b>	Stawniak N.
<b>P-215</b>	<b>Genetic diversity in the rapeseed and mustard – Indian context</b>	Rashmi Y., Kaur V., Tripathi K., Rana J.C., Kumar A.
<b>P-216</b>	<b>Dissecting a Semi-Dwarf <i>Brassica napus</i> Mutant Controlled by Two Genes</b>	Zhang Y., Zhao C., Huang J., Liu Y., Dong C., Cheng X., Liu S.
<b>P-217</b>	<b>Can cold and freezing stress in canola be alleviated by the expression of <i>Arabidopsis thaliana</i> ACYL-COENZYME A-BINDING PROTEIN 6?</b>	Alahakoon A.Y., Tongson E.J., Meng W., Ye Z., Chye M.L., Golz J.F., Russell D.A., Taylor P.W.
<b>P-218</b>	<b>Cauliflower germplasm innovation via interspecific asymmetrical somatic hybridization combining backcrossing</b>	Liu F., Wang G., Han S., Zong M., Guo N.
<b>P-219</b>	<b>Expression patterns and RdDM-mediated epigenetic regulations of duplicated genes in allopolyploid <i>Brassica napus</i> A and C subgenomes</b>	Tong C., Ge X., Yang L., Zhu B., Huang J., Li Z., Liu S.
<b>P-220</b>	<b>Towards Functional Characterization of Pod Shatter Resistant Genes in <i>Brassica napus</i></b>	Cheng H., Wang W., Zhou R., Wang H., Liu J., Chu W., Li C., Zaman Q.U., Hao M., Hu Q.
<b>P-221</b>	<b>Investigation of branch angle in <i>Brassica napus</i> towards yield improvement at high density planting</b>	Cheng H., Liu J., Wang, W., Wang H., Mei D., Hao M., Fu L., Li C., Hu Q.*
<b><u>P-222</u></b>	<b>Expanding the gene pool of <i>Brassica napus</i> and exploiting its genetic diversity</b>	Hu D., Zhang W., Xue H., He X., Shen J., Meng J., Zou J.
<b><u>P-223</u></b>	<b>Characterisation of disease resistance genes in the <i>Brassica napus</i> pangenome</b>	Dolatabadian A., Hurgobin B., Bayer P.E., Edwards D., Batley J.