June 2020

- Igartua, E., Contreras-Moreira B., Casas A.M. 2020. TB1, from domestication gene to tool for many trades. Journal of Experimental Botany, in press
- Monteagudo, A., Kiss, T., Mayer, M., Casas, A.M., Igartua, E., Karsai, I. 2020. Genetic diversity in developmental responses to light spectral quality in barley (Hordeum vulgare L.). BMC Plant Biology 20:207
- Monteagudo, A., Igartua, E., Contreras-Moreira, B., Gracia, M.P., Ramos, J., Karsai, I., Casas, A.M. 2019. Fine-tuning of the flowering time control in winter barley: the importance of *HvOS2* and *HvVRN2* in non-inductive conditions. BMC Plant Biology 19:113
- Igartua, E., Mansour, E., Cantalapiedra, C. P., Contreras-Moreira, B., Gracia, M. P., Fuster, P., ... Thomas WTB, Karsai, I....Casas AM (2015). Selection footprints in barley breeding lines detected by combining genotyping-by-sequencing with reference genome information. Molecular breeding, 35(1), 11.
- Mansour E., Casas A.M., Gracia M.P., Molina-Cano J.L., Moralejo M., Cattivelli L., Thomas W.T.B., Igartua E. 2014. Quantitative trait loci for agronomic traits in an elite barley population for Mediterranean conditions. Mol Breeding 33(2), 249-265
- Karsai I, Igartua E., Casas A.M., Kiss T., Soós V., Balla K., Bedő Z., Veisz O. 2013. Developmental patterns of a large set of barley (*Hordeum vulgare*) cultivars in response to ambient temperature. Annals Applied Biol 162(3), 309-323
- Ponce-Molina, L. J., María Casas, A., Pilar Gracia, M., Silvar, C., Mansour, E., Thomas, W. B., ... & Igartua, E. (2012). Quantitative trait loci and candidate loci for heading date in a large population of a wide barley cross. Crop Science, 52(6), 2469-2480.
- Casao M.C., Igartua E., Karsai I., Bhat P.R., Cuadrado N., Gracia M.P., Lasa J.M., Casas AM. 2011. Introgression of an intermediate *VRNH1* allele in barley (*Hordeum vulgare* L.) leads to reduced vernalization requirement without affecting freezing tolerance. Mol Breeding 28(4), 475-484
- Casao M.C., Karsai I., Igartua E., Gracia M.P., Veisz O., Casas A.M. 2011. Adaptation of barley to mild winters: A role for *PPDH2*. BMC Plant Biology 11: 164
- Silvar C., Casas A.M., Igartua E., Ponce-Molina L., Gracia M.P., Schweizer G., Herz M., Waugh R., Kopahnke D., Ordon F. 2011. Resistance to powdery mildew in Spanish barley landraces is controlled by different sets of quantitative trait loci. Theor Appl Genet 123(6), 1019-1028
- Malosetti M., van Eeuwijk F.A., Boer M.P., Casas A.M., Elía M., Moralejo M., Bhat P.R., Ramsay L., Molina-Cano J.L. 2011. Gene and QTL detection in a three-way barley cross under selection by a mixed model with kinship information using SNPs. Theor Appl Genet 122(8), 1605-1616
- Casao M.C., Igartua E., Karsai I., Lasa J.M., Gracia M.P., Casas A.M. 2011. Expression analysis of vernalization and day-length response genes in barley (*Hordeum vulgare* L.) indicates that *VRNH2* is a repressor of *PPDH2* (*HvFT3*) under long days. J Exp Bot 62(6), 1939-1949

- Karsai I., Szűcs P., Kőszegi B., Hayes P.M., Casas A., Bedő Z., Veisz O. 2008. Effects of photo and thermo cycles on flowering time in barley: a genetical phenomics approach. J Exp Bot 59(10), 2707-2715
- Cuesta-Marcos A., Igartua E., Ciudad F.J., Codesal P., Russell J.R., Molina-Cano J.L., Moralejo M., Szűcs P., Gracia M.P., Lasa J.M., Casas A.M. 2008. Heading date QTL in a spring x winter barley cross evaluated in Mediterranean environments. Mol Breeding 21(4), 455-471
- Yahiaoui S., Igartua E., Moralejo M., Ramsay L., Molina-Cano J.L., Ciudad F.J., Lasa J.M., Gracia M.P., Casas A.M. 2008. Patterns of genetic and eco-geographical diversity in Spanish barleys. Theor Appl Genet 116(2), 271-282
- von Zitzewitz, J., Szűcs, P., Dubcovsky, J., Yan, L., Francia, E., Pecchioni, N., ... & Skinner, J. S. (2005). Molecular and structural characterization of barley vernalization genes. Plant molecular biology, 59(3), 449-467.
- Moralejo M., Swanston J.S., Muñoz P., Prada D., Elía M., Russell J.R., Ramsay L., Cistué L., Codesal P., Casas A.M., Romagosa I., Powell W., Molina-Cano J.L. 2004. Use of new EST markers to elucidate the genetic differences in grain protein content between European and North American two-rowed malting barleys. Theor Appl Genet 110(1), 116-125