JSB148 Poster presentations		
11 September (Odd Numbers 14:00-15:00, Even Numbers 15:00-16:00)		
P101	Production and analysis of multiple genome editing rice using an original plasmid set and a method for high-density crop hydroponics in a plant incubator	◯Kuroda, M., H. Park, M. Chiba, T. Oikawa (Inst. Agrobiol. Sci. NARO)
P102	Examining conditions in rice seeds for the development of a new mutation breeding method using the boron neutron capture reaction.	◯Segami, S.1, T. Kinouchi2, Y. Hattori3, M. Kirihata3 (1.Res. Inst. Env. Agr. Fish., Osaka Pref., 2.KURNS, 3.Osaka Metro. Univ. Res. Cent. for BNCT)
P103	Production of polyphenol mutants using heavy-ion beam irradiation on sweet potato (Ipomoea batatas [L.] Lam.)	◯Narasako, Y.1,2, M. Yamamura3, Y. Setoguchi1, M. Takeshita3, T. Abe4, T. Hirano3,4, M. Otani5, H. Kunitake3 (1.Interdiscip. Grad. Sch. Agric. Eng., Univ. Miyazaki, 2.Kushima Aoifarm Co., Ltd., 3.Facul. Agric., University of Miyazaki, 4.RIKEN Nishina Center, 5.Res. Inst. Agric. Resour., Ishikawa Pref. Univ.)
P104	Examination of Training Datasets in the Development of a Deep Learning-Based Detection Model for Rumex obtusifolius	◯Kuwata, K.1, K. Kurogi1, M. Makishima1, T. Yagi2, M. Miyaji2, Y. Sanada2, Y. Takahara3, Y. Akiyama2 (1.Grad. Sch. Materials Science and Bioengineering., Nagaoka University of Technology, 2.Hokkaido Agric. Res. Ctr., NARO, 3.Materials Science and Bioengineering., Nagaoka University of Technology)
P105	Analysis of dormancy to bud-break transition in tea winter buds using transcriptome and temperature data	☆UEDA, T.1, M. Onuki1, J. Kawaki2, A. Nagano3,4, T. ikka1,5,6, H. Yamashita1,5,6 (1.Grad.Agr., Shizuoka Univ., 2.Shizuoka Tea Res. Cent., 3.Biosci. and Biotech. Center, Univ. Nagoya, 4.Inst. Adv. Biosci., Keio Univ., 5.Shizuoka Univ. Res. Inst. Green Sci. Tech., 6.Shizuoka Univ. Res. Inst. Tea Sci.)
P106	An Attempt at Gene Discovery Using Phenotypic Measurement of Chinese Cabbage via Deep Learning	☆Kanbayashi, Y.1, Y. Kobayashi1, H. Matsumura2, N. Hayashida3 (1.Graduate School of Science and Technology, Shinshu University, 2.Gene Research Center, Shinshu University, 3.Faculty of Textile Science and Technology, Shinshu University)
P107	*NGS-ACT: A Tool for allele determination using short reads from Next-Generation Sequencing*	☆Oishi, M., M. Takata, M. Sakemoto, M. Yoshizumi, M. Hara, H. Takagi (Ishikawa Prefectural University)
P108	Comparing methods for imputing missing phenotypes and predicting breeding values in multi-trait and multi-environment data	☆Kinami, A., A. Onogi (Grad. Sch. of Agri., Ryukoku Univ.)
P109	Establishment of emasculation method using TFMSA: male sterility induction via inhibition of proline transport and phenylpropanoid biosynthesis	☆Sekiguchi, Y.1,2, K. Terada3, G. Yan1, N. Kamal4,5, T. Ishii5,6,7 (1.United Grad. Sch. Agricultural Sci., Tottori U., 2.JSPS Research Fellow DC, 3.Grad. Sch. Sus. Sci. Tottori U., 4.ARC., Sudan, 5.International Platform for Dryland Research and Education (IPDRE), Tottori U., 6.ALRC, Tottori U., 7.Chromosome Engineering Research Center, Tottori U.)
P110	The effect of Ca ions on double-strand break repair in plant DNA	☆Emori, Y.1, A. Sanjaya1, M. Sakaguchi1, K. Takagi2, Y. Kazama1 (1.Fac.Biosci.Biotech.Fukui Pref.Univ, 2.Wakasa-wan Ener.Cent)
P111	Development of semi-glutinous, high-yielding Inbred variety "Yumiharizuki" and its improved NIL with non-photosensitivity.	◯Jinushi, K. (Research Institute of Rice Production &Technology Co., Ltd.)
P112	Improvement of Tocopherol Composition in Soybean by Accumulation of Genes Related to Tocopherol Biosynthesis	☆PARK, C., D. Xu (Japan International Research Center for Agricultural Sciences (JIRCAS))
P113	Identification of the ‘Sanuki no Yume 2023’ cultivar using DNA markers	☆Ueta, S., Y. Tada (Kagawa Pref. Agric. Exp. Stn.)

P114	Feasibility Study on the Development of Winter Two-row Malting Barley Varieties in Hokkaido	○TOKIZONO, Y.1, Y. NAKANO2, M. SHIBAMURA1, K. KOIE1, T. NAGAMINE2, T. HOKI1 (1.Crop Research Laboratories, Sapporo Breweries Ltd., 2.Central Region Agricultural Research Center, NARO)
P115	Genetic variation in the ionome of a Barley line population	☆Niwa, Y.1, A. Kiyota1, T. Ikka1,2, Y. Nakano3, H. Yamashita1,2 (1.Grad. Agr., Shizuoka Univ., 2.Shizuoka Univ. Res. Inst. Green Sci. Tech., 3.CARC, NARO)
P116	Project introduction for future development of wheat genetic resources maintained by NBRP-Wheat	○Ohta, A., M. Nitta, S. Nasuda, K. Yoshida, T. Sakai, R. Terauchi (Graduate School of Agriculture, Kyoto University)
P117	Exploring the Genetic Diversity and Population Patterns in Asian Cowpea (Vigna unguiculata (L.) Walp.)	☆Ofem, N.1, N. Kamal2,3, S. Pearson4, T. Shatte5, D. Jordan4, E. Mace4, T. Ishii2,6,7 (1.Grad. Sch. Agric. Sci., Tottori Univ., 2.Int. Platf. Dryl. Res. & Educ., Tottori Univ., 3.Biotechnol. & Biosaf. Res. Cent., Agric. Res. Corp., Sudan, 4.Qld. Alliance Agric. & Food Innov., Univ. Qld., Hermitage Res. Facil., Australia, 5.Qld. Dept. Prim. Ind., Hermitage Res. Facil., Australia, 6.Arid Land Res. Cent., Tottori Univ., 7.Chromosome Eng. Res. Cent., Tottori Univ.)
P118	Phylogenetic analysis on Japanese ramie (Boehmeria nivea) based on chloroplast DNA sequencing	Ogata, R.1, K. Saito1, ☆K. Yamada1, H. Murakami2, T. Sasanuma1 (1.Fac. Agr., Yamagata Univ., 2.Aoso Rivival Dreaming Corps)
P119	Genetic characterization of Nikkokisuge (Hemerocallis dumortieri) indigenous to Anan town, Nagano Prefecture	☆Okada, K.1, N. Saito2, K. Tamagawa1,2, Y. Sato2, Y. Osafune3, T. Sugawara3, S. Kishimoto3,4, T. Sasanuma1,2 (1.Grad. Sch. Agr., Yamagata Univ., 2.Fac. Agr., Yamagata Univ., 3.Mt. Chokai and Tobishima island Geopark Promotion Council, 4.Fac. Life Design, Tohoku Inst. Tech.)
P120	Development of an efficient intermediate line enabling introgression of late-flowering alleles in Brassica rapa	☆Shimizu, S., M. Hara, K. Miyaki, M. Yoshizumi, H. Takagi (Ishikawa Prefectural University)
P121	Examination for applying the U.S. maturity indicator to Japanese Soybean cultivars	☆Nakashima, K.1,2, R. Takeshima2, K. Hirata2, R. Yamazaki2, T. Wada2, S. Kato2 (1.Kyushu Okinawa Agricultural Research Center, NARO, 2.Institute of Crop Science, NARO)
P122	Evaluating the Accuracy of Rice Phenotype Prediction Using Large Language Models: Leveraging Breeding and Agricultural Insurance Data	☆Fukumoto, Y.1, S. Isomichi1, C. Sato2, A. Abe3, T. Sato1, C. Kim4,5, T. Nakatani1, H. Shimono4, H. Iwata1 (1.Grad. Sch. Agr. Life Sci., Univ., 2.Ifu-Rinrin, 3.Iwate Biotechnology Research Center, 4.Iwate University, 5.Sky Ocean Technology Co., Ltd.)
P123	Genetic variation of dry matter production in rice (Oryza sativa L.) germplasm from Zambia	Ohshiro, K.1, T. Sato2, K. Toriyama2, S. Komatsubara3, R. Mulenga4, G. Munkombwe4, P. Mabvuto4, M. Chinji4, E. Musabula4, N. Museta4, L. Kamguya4, J. Njobvu4, ○Y. Fukuta1 (1.Univ. Ryukyu, 2.Tohoku Univ., 3.JICA, 4.ZARI)
P124	Histological observation on abscission layer inhibition leading to non-seed-shattering trait in rice domestication	☆Matsubara, N.1, S. Sugiyama1, M. Sakuta1, Y. Tsujimura1, C. Inoue1, T. Htun1, K. Numaguchi1, H. Nasu2, T. Ishii1, R. Ishikawa1 (1.Grad. Sch. Agr. Sci., Kobe Univ., 2.Fac. Bios.-Geos. Sci., Okayama Univ. Sci.)
P125	Role of seed pigments in wild rice, Oryza rufipogon	☆Furuta, Y., H. Iwamoto, K. Numaguchi, R. Ishikawa, T. Ishii (Grad. Sch. Agr. Sci., Kobe Univ.)
P126	Characterization of γ irradiated Yacon cv. 'Andesu no otome' in the M1V5 generation	Akagi, M.1, G. Okuno1, K. Ooe2, M. Hirata2, T. Murata1, S. Yasuda1,2, Y. Masuda1,2, ○Y. Matsuda1,2 (1.Graduate School of Agriculture, Tokai University, 2.School of Agriculture, Tokai University)
P127	Mutations in the flavonoid 3'-hydroxylase gene in sweetpotato varieties containing pelargonidin-type anthocyanins	○Tanaka, M., T. Sakaigaichi, R. Kurata, K. Suematsu, T. Sakai, Y. Takahata (Kyushu Okinawa Agr. Res. Cent., NARO)

P128	Research on contribution of traditional crop Aoso (Boehmeria nivea) to regional revitalization in Oe town, Yamagata Prefecture	Ogata, R.[1], ☆E. Nagasawa[1], H. Murakami[2], T. Sasanuma[1] ([1].Fac. Agr., Yamagata Univ., 2.Aoso Rivival Dreaming Corps)
P129	A large-scale screening population for enhanced CO2 fixation in rice.	☆Suganami, M.[1], Y. Tobita[2], S. Ishizaki[3], S. Honda[2], K. Nakajima[4], S. Mori[5], H. Ishida[5], M. Matsuoka[1], S. Adachi[2], Y. Tanaka[4] ([1].Inst. Ferment. Sci., Fukushima Univ., 2.Grad. Sch. Agr., Tokyo Univ. Agri. Tech., 3.Fac. Afri., Okayama Univ., 4.GSES, Okayama Univ., 5.Grad. Sch. Agr. Sci., Tohoku Univ.)
P130	Pangenome study on Japanese soybean cultivars and development of genome database “Daizu-net”	○Yano, R.[1], F. Li[2], S. Hiraga[2], R. Takeshima[2], M. Kobayashi[3], A. Kaga[2], M. Ishimoto[2] ([1].NAAC, NARO, 2.Inst. Crop Sci., NARO, 3.NIAS, NARO)
P131	Whole genome resequencing of a high-density mutant library of the Japanese soybean cultivar Enrei, and development of a gene mutation search platform	○Hiraga, S.[1], R. Yano[2], R. Nakata[1], F. Li[1], A. Kaga[1], T. Anai[3], M. Ishimoto[1] ([1].Inst. Crop Sci., NARO, 2.Res. Cntr. Adv. Anal., NARO, 3.Grad. Sch. Agric., Kyushu Univ.)
P132	Development of a functional genomics platform for spinach based on a high-quality reference genome and VIGS system.	☆Yunoki, S.[1], Y. Wu[1], H. Hirakawa[2], C. Masuda[3], Y. Onodera[3] ([1].Grad. Sch. Agr., Hokkaido Univ., 2.Res. Fac. Agr., Kyushu Univ., 3.Res. Fac. Agr., Hokkaido Univ.)
P133	Draft genome sequence of Japanese traditional Cannabis sativa	☆Madambashi, M.[1,3], F. Nagaya[1,3], K. Ohira[2,3], A. Okamoto[2,3], Y. Nagaya[2,3], A. Ohyama[1,3], K. Suwabe[1,3] ([1].Grad. Sch. Reg., Mie Univ., 2.Grad. Sch. Bio., Mie Univ., 3.CIMC)
P134	DNA Marker Development for Plant Height in Grain Amaranth (Amaranthus hypochondriacus)	☆Zaelani, A.[1], Y. Yoshioka[2] ([1].Grad. Sch. Science & Tech., Univ. Tsukuba, 2.Inst. Life & Env. Sci., Univ. Tsukuba)
P135	Genetic analysis of resistance to highly virulent strains of Corynespora cassicola in cucumber	☆HO THI, M.[1], S. ISOBE[2], K. SHIRASAWA[2], Y. YOSHIOKA[3] ([1].Grad. Sch. Science & Tech., Univ. Tsukuba, 2.Kazusa DNA Research Institute, 3.Inst. Life & Env. Sci., Univ. Tsukuba)
P136	Enhanced Drought Resilience in Rice Through Post-Drought Root Emergence	Krusenbaum, L.[1], R. Sakusabe[2], R. Ishikawa[2], M. Wissuwa[1], ○T. Dinh[2] ([1].Institute of Crop Science and Resource Conservation (INRES), University of Bonn, 2.Faculty of Agricuture and Life Science, Hirosaki University)
P137	Fine-mapping of QTL regulating plant height in azuki bean (Vigna angularis)	☆Nguyen, T.[1], Y. Horiuchi[2], H. Nagashawa[2], C. Wainaina[3], P. Bethke[4], M. Mori[1] ([1].Obihiro Univ. Agr. Vet. Med., 2.Tokachi Agri. Exp. Sta., HRO, 3.Jomo Kenyatta Univ. Agr. Tec., 4.USDA, USA)
P138	Evaluation of genetic loci for stolon production ability in wild rice, Oryza rufipogon	☆Kimura, Y., D. Abe, Y. Mori, K. Numaguchi, R. Ishikawa, T. Ishii (Grad. Sch. Agr. Sci., Kobe Univ.)
P139	Characterization and genetic analysis of culm length using wild Oryza species	☆Suzuki, R.[1], M. Kato[2], H. Takahashi[1], M. Nakazono[1], T. Yoshikawa[3], Y. Sato[4], A. Agata[1] ([1].Grad. Sch. Bioagr. Sci., Nagoya U., 2.Fac. Agr., Nagoya U., 3.Grad. Sch. Agric., Kyoto Univ., 4.National Institute of Genetics.)
P140	Search for causative loci related to female flowering using Japanese larch mutant lines.	○Mishima, K.[1], K. Shirasawa[2], T. Iki[1], H. Hirakawa[3], T. Hirao[1], K. Konagaya[4], Y. Fukuda[1] ([1].Forest Tree Breeding Center, FFPRI, 2.Inst.KAZUSA DNA Res, 3.Fac.Agri., Univ.Kyushu, 4.Forest Bio-Reseach Breeding Center, FFPRI)
P141	Genetic analysis of resistance to rice stink bugs in the rice variety ‘Milyang 44’	○Nakamura, M.[1], M. Tsuzuki[1], H. Kokaji[2], H. Yamaguchi[1], K. Sugiura[1], T. Yoshida[3], S. Kato[1], K. Mori[1], H. Ohashi[1], U. Yamanouchi[4], S. Fukuoka[4], A. Shomura[4], S. Fukuta[1], Y. Mizukami[1,5] ([1].Aichi Agri. Res. Cent., 2.GRA&GREEN Inc., 3.Mount. Reg. Agri. Inst., Aichi Agri. Res. Cent., 4.NARO, 5.Aichi Agri. Promotion Div.)

P142	QTL analysis of watercore in Japanese pear and selection of DNA markers for risk of severe symptoms.	Tanabe, T.[1], K. Kajiyama[1], K. Shirasawa2, ○T. Gonai[1] ([1].Plant Biotech. Inst., Ibaraki Agri. Ctr., 2.Kazusa DNA Res. Inst.)
P143	Genetic study on nitrogen use efficiency of Aegilops tauschii-derived wheat populations under combined heat and nitrogen deficiency stress	☆EMAM, A.[1,2], I. Tahir2,3, N. Kamal2,3, Y. Gorafi2,4, H. Tsujimoto5, T. Ishii3,5,6 ([1].United Graduate School of Agricultural Sciences, Tottori University, 2.Agricultural Research Corporation (ARC), P.O. Box 126, Wad Medani, Sudan, 3.International Platform for Dryland Research and Education (IPDRE), Tottori University, 4.Graduate School of Agriculture, Kyoto University, 5.Arid Land Research Center (ALRC), Tottori University, 6.Chromosome Engineering Research Center, Tottori University)
P144	Objective Image-Based Evaluation of Perilla Leaf Curling and Subsequent QTL and GWAS for Gene Association Analysis	☆Chen, T.[1], S. Kinoshita[1], K. Sakurai[1], T. Tsusaka2, M. Sakurai2,3, K. Shirasawa4, S. Isobe[1,4], H. Iwata[1] ([1].Grad. Sch. Agr. Life Sci., Univ. Tokyo, 2.TSUMURA & CO., 3.LAO TSUMURA CO.,LTD, 4.Kazusa DNA Res. Inst.)
P145	Genetic analysis of growth abnormalities observed in the S1 generation of synthetic hexaploid wheat	☆Nakanishi, S.[1], K. Nishimura[1], T. Nakazaki2,3, Y. Monden[1], K. Kato[1], H. Nishida[1] ([1].Grad. Sch. Environ. Life Nat. Sci. Tech., Okayama Univ., 2.Grad. Sch. Agr., Kyoto Univ., 3.IAC, Kyoto Univ.)
P146	Improvement of a GWAS for pearl millet by imputing missing genotypes	☆Kambara, K.[1], G. Shashi Kumar2, D. Tsugama[1] ([1].Grad. Sch. Agr., Univ. Tokyo, 2.ICRISAT)
P147	Generation of Male-Sterile Chrysanthemum seticuspe by Genome Editing	○Matsushita, S.[1], M. Nakano2, S. Choukyuu[1], M. Kurao[1], A. Fujita[1] ([1].Agr. Tech. Res. Cent., HiTRI, 2.Fac. Agr. Mar. Sci., Kochi Univ.)
P148	Construction of a new homologous recombination evaluation system in Arabidopsis thaliana	☆Asakawa, T.[1], M. Endo2, S. Toki[1,3,4], H. Saika2 ([1].Grad. Sch. Agr., Univ. Ryukoku, 2.Inst. Agrobiol. Sci., NARO, 3.Grad. Sch. Nanobio., Yokohama City Univ., 4.Kihara Inst. Res., Yokohama City Univ.)
P149	Transportation of Protein from Agrobacterium to Plant Cell via Type III Secretion System	☆Fujihara, K.[1], I. Mitsuhara2, M. Endo2, M. Kiran3, S. Toki[1,4,5] ([1].Grad. Sch.Agr., Univ.Ryukoku, 2.Inst. Agrobiol. Sci., NARO, 3.Dept. Biochem. Molbiol., Oklahoma State Univ., 4.Kihara Inst. Biol. Res., Yokohama City Univ., 5.Grad. Sch. Nanobio., Yokohama City Univ.)
P150	Construction of a genomic breeding database for the realization of digital breeding	☆Yumiya, M., H. Bono (Grad. Sch. Int. Sci., Hiroshima Univ.)
P151	Population structure analysis of Japanese sorghum landrace for genetic analysis of 'Amakibi'	☆Okada, S.[1], K. Kuga2, S. Araki-Nakamura[1], K. Ohmae-Shinohara[1], T. Sazuka[1] ([1].Biosci. and Biotech. Center, Nagoya Univ., 2.Grad. Sch. Bioagri., Nagoya Univ.)
P152	Genomic prediction-based evaluation of trait segregation in the progenies populations of tea plants	☆Shibata, M.[1], Y. Ishiguro2, J. Kawaki3, A. Nagano4,5, H. Yamashita[1,2,6,7], T. Ikka[1,2,6,7] ([1].Grad. Agr., Shizuoka Univ., 2.Uni. Agr., Gifu Univ., 3.Shizuoka Tea Res. Cent., 4.Biosci. and Biotech. Center, Univ. Nagoya, 5.Inst. Adv. Biosci., Keio Univ., 6.Shizuoka Univ. Res. Inst. Green Sci. Tech., 7.Shizuoka Univ. Res. Inst. Tea Sci.)
P153	Functional Analysis of Four Wax Biosynthesis Genes Involved in Rice Hydrophobicity	☆ZHU, T., A. HIRAIWA, S. AIGA, J. ITOH (Grad. Sch. Agr. Life Sci., Univ. Tokyo)
P154	Fine mapping of the causal genomic region for perpetual flowering and its genotypic effects during early growth stage in Fragaria × ananassa	☆Yoshizumi, M., Y. Machi, T. Nishitani, M. Hara, H. Takagi (Ishikawa Prefectural University)

P155	Modulation of Plant Height in Rice via Genome Editing of a Conserved Noncoding Sequence Near the Transcription Start Site of the SD1 gene	○Kuroha, T.1, H. Park1, W. Iwasaki2, S. Chechetka1, M. Kimizu1, Y. Kawahara3, K. Hayashi1, Y. Hayano1, T. Makino2, H. Yoshida1 (1.Inst. Agrobiological Sci., NARO, 2.Graduate School of Life Sciences, Tohoku University, 3.Research Center for Advanced Analysis, NARO)
P156	Identification of bHLH transcription factor regulating proanthocyanidin accumulation in barley testa layer	○Nakano, Y.1, M. Nakata2, H. Yamakawa3, T. Tonooka4, H. Maejima5, T. Nagamine1 (1.CARC, NARO, 2.KARC, NARO, 3.Inst. Crop Sci., NARO, 4.Headquarters, NARO, 5.Nagano Agricultural Experiment Station)
P157	Shoot Apical Meristem Bombardment Enables Stable In Planta Transformation in Pearl millet (Pennisetum glaucum L.)	☆Arikpo, G.1, Y. Kentaro2, T. Ishii3,4,5 (1.United Graduate School of Agricultural Sciences (UGSAS) Tottori University, 2.Graduate School of Agriculture, Kyoto University, 3.International Platform for Dryland Research and Education (IPDRE), Tottori University Arid Land Research Center, 4.Tottori University, 5.Chromosome Engineering Research Center, Tottori University)
P158	Genome editing of CAD gene involved in lignin biosynthesis in bahiagrass—k-mer analysis in F1 null segregants and fixation of mutant loci in F2 generation—	○Gondo, T.1, M. Yamada2 (1.FSRC, Univ. Miyazaki, 2.Agr., Univ. Miyazaki)
P159	Molecular genetic analysis of the LHCI deficient mutant in rice	☆Yamatani, H.1, S. Ozawa2, T. Takami2, W. Sakamoto2, M. Kusaba3 (1.QST, Takasaki, 2.IPSR, Univ., Okayama, 3.Grad. Sch. Int. Sci. Life, Univ. Hiroshima)
P160	Creation of Soybean AGPase Mutants via iPB-RNP-based Genome Editing	☆Ogawa, T., K. Fujii, W. Achley, R. Imai (Inst. Agrobiol. Sci., NARO)
P161	Creation of genome-edited lines of transcription factor SHP in bread wheat	☆Sakurai, S., N. Kawano, S. Sakoguchi, Y. Kamiya, K. Kawaura (KIBR, Yokohama City Univ.)
P162	Isolation of six-rowed mutants derived from a two-rowed barley cultivar “Haruka Nijo” and pyramiding of the causal genes	○Nakata, M., M. Taira, M. Yanaka, H. Shimizu (KARC, NARO)
P163	Comparative Analysis of Genetic and Epigenetic Regulation of Light-Dependent Anthocyanin Differences in Brassica rapa Cultivars ‘Akamaru’ and ‘Hinona’	☆Miyaki, K., T. Segawa, M. Hara, M. Sakemoto, H. Takagi (Ishikawa Prefectural University)
P164	Mitochondrial morphology of mitochondrial fission mutants in Arabidopsis thaliana	☆Hashimoto, M., Y. Ito, I. Nakazato, H. Takanashi, S. Arimura (Graduate School of Agricultural and Life Sciences, The University of Tokyo)
P165	Characterization of the QTLs that control Na accumulation in leaf blades of rice	○Horie, T.1, H. Sakagami1, R. Ishikawa2, Y. Ishii1, H. Matsumura3, P. Amarasinghe4, M. Katsuhara5, T. Ishii2 (1.Div. Appl Biol., FTST, Shinshu Univ., 2.Grad. Sch., Agric Sci., Kobe Univ., 3.Grad. Sch. Sci. Tech., Shinshu Univ., 4.GLORDC, Sri Lanka, 5.IPSR, Okayama Univ.)
P166	Exploration of candidate genes related to fruit peelability and hardness in citrus using RNA-seq analysis	☆Takada, K.1, K. Nonaka2, T. Shimizu2,3, M. Minamikawa4 (1.Grad. Sch. Hort., Chiba Univ, 2.NIFTS, NARO, 3.Kazusa DNA Res. Inst., 4.IAAR, Chiba Univ.)
P167	Transcriptome analysis of ditelosomic lines in common wheat	☆Imoto, K., R. Nishijima (Grad. Sch. Biosci. Biotech., Fukui Pref. Univ.)
P168	Genome-wide identification of the LOX gene family in adzuki bean and identification of seed-specific LOX genes	☆Iwayama, D.1,2, Y. Horiuchi3, S. Isobe1, M. Mori2, K. Kato2 (1.Tokachi Daifuku Honpo, Inc., 2.Obihiro Univ. Agri. Vet. Med., 3.Tokachi. Agri.Exp.Stn.,HRO)

P169	Hormonome and transcriptome analysis in winter buds of tea cultivars with different bud-break timing	☆Yamada, M.[1], M. Onuki[1], J. Kawaki2, M. Kojima3, Y. Takebayashi3, H. Sakakibara3,4, A. Nagano5,6, T. Ikka[1,7,8], H. Yamashita[1,7,8] ([1].Grad. Agr., Shizuoka Univ., 2.Shizuoka Tea Res. Cent., 3.Biosci. and Biotech. Center, Univ. Nagoya, 4.Inst. Adv. Biosci., Keio Univ., 5.CSRS, RIKEN, 6.Grad. Sci. Bioagr., Univ. Nagoya, 7.Shizuoka Univ. Res. Inst. Green Sci. Tech., 8.Shizuoka Univ. Res. Inst. Tea Sci.)
P170	Genomic regions associated with seed storage protein contents between japonica rice cultivars grown in Hokkaido	☆Yamaguchi, M.[1], K. Shishido[1], S. Iiduka[1], S. Yoshikawa[1], T. Wakabayashi[1], J. Kasuga[1], H. Ozaki2, K. Kato[1] ([1].Obihiro Univ. Agric. & Vet. Med., 2.Kamikawa Agri. Exp. Sta., HRO)
P171	Estimating the temporal origins of mutations associated with domestication and improvement in Oryza sativa ssp. japonica	○Koyanagi, K.[1], Y. Kawahara2, Z. Zhou3, H. Watanabe[1] ([1].Fac. Info. Sci. Tech., Hokkaido Univ., 2.Research Center for Advanced Analysis, NARO, 3.Grad. Sch. Info. Sci. Tech., Hokkaido Univ.)
P172	Comparative analysis of Homoeologous Recombination in synthetic and landrace Brassicanapus	☆Hara, M.[1], K. Okazaki2, T. Segawa[1], K. Miyaki[1], M. Yoshizumi[1], H. Takagi[1] ([1].Ishikawa Prefectural University, 2.Faculty of Agriculture Niigata University)
P173	Relationship between polyphenol and foot rot resistance in sweet potato	☆Setoguchi, Y.[1], Y. Narasako[1,2], T. Hirano3, M. Otani4, H. Kunitake3 ([1].Interdiscip. Grad. Sch. Agric. Eng., Univ. Miyazaki, 2.Kushima AoiFarm Co. Ltd., 3.Facul. Agric., Univ. Miyazaki, 4.Res. Inst. Agric. Resour., Ishikawa Pref. Univ.)
P175	Variation in blast resistance in wheat conferred by gene dosage effects.	Trinh, V., ○Y. Inoue, K. Yoshida (Grad. Sch. Agri., Kyoto U.)
P176	Evaluation of chilling tolerance in Hokkaido rice varieties and detection of quantitative trait loci for chilling tolerance after acclimation	○Sagehashi, Y. (Institute of Agrobiological Science, NARO)
P177	Analysis of occurrence factors for internal browning in sweet potato	○Maeda, S.[1], N. Yokotani2, R. Yamazaki[1], T. Ohashi[1] ([1].Agricultural Research Institute, Ibaraki Agriculture Center, 2.Kazusa DNA Research Institute)
P178	Multi-omics investigation of protein phosphorylation control in a water-saving wheat line.	Hirata, S.[1], K. Yamashita2, T. Umezawa2, J. Kim3, A. Nieda[1], H. Tsujimoto4, ○R. Mega[1] ([1].Grad. Sch. Sci. Tech. for Innovation, Yamaguchi U., 2.BASE, Tokyo U. Agr. Tech., 3.CSRS･RIKEN, 4.ALRC, Tottori U.)
P179	Stress Responses of Arabidopsis thaliana RBOHF Knockout Mutants to Heat, Drought, and Their Combination.	☆Furihara, M.[1], N. Suzuki2 ([1].Grad. Sch. Sci. Tech., Sophia Univ., 2.Fac. Sci. Tech., Sophia Univ.)
P180	Analysis of ROS regulation and chloroplast signaling in the Arabidopsis sid2-1 KO mutant under combined heat and drought stress conditions	☆Hidaka, K.[1], N. Suzuki2 ([1].Grad.Sch.Sci.Tech., Sophia Univ, 2.Fac.Sci.Tech., Sophia Univ)
P181	Functional Analysis of Arabidopsis RBOHD in the Memory Response to Short-Term Heat Stress	☆Sumi, C.[1], N. Suzuki2 ([1].Grad. Sch. Sci. Tech., Sophia Univ., 2.Fac. Sci. Tech., Sophia Univ.)
P182	Identification of phytohormones that regulate the pattern of passage cell formation in rice roots.	☆Yokoi, H.[1], K. Noshita2, T. Yamauchi3 ([1].Sch. Agr., Nagoya Univ., 2.Grad. Sch. Sci., Kyushu Univ., 3.Biosci. Biotech. Center, Nagoya Univ.)
P183	Change in aquaporin gene families through polyploid evolution of Triticeae	☆Moriya, H.[1], A. Ezoe2, Y. Kamiya[1], K. Kawaura[1] ([1].KIBR, Yokohama City Univ., 2.RIKEN CSRS)
P184	Roles of ubiquitination and heat response transcription factors in the regulation of heat-responsive systemic acquired resistance in Arabidopsis.	☆Ayana, M.[1], N. Suzuki2 ([1].Grad. Sch. Sci. Tech., Sophia Univ., 2.Fac. Sci. Tech., Sophia Univ.)

P185	Effects of different pH and low fertilizer soil conditions on the detection of QTLs associated with element accumulation in rice straw and grains	Zhang, Q.2, T. Furuta1, K. Kashihara1, D. Ogawa3, J. Yonemaru4, J. Ma1, ○T. Yamamoto1 (1.IPSR, Okayama U., 2.Grad. Sch. Environ. Life Nat. Sci., Okayama U., 3.NICS, NARO, 4.RCAIT, NARO)
P186	Response of Arabidopsis Deficient in Reactive Oxygen Species Producing Enzyme, RBOHD to Salt, Waterlogging, and Combined Stress	☆Taniguchi, Y.1, N. Suzuki2 (1.Grad. Sch. Sci. Tech., Sophia Univ., 2.Fac. Sci. Tech., Sophia Univ.)
P187	Investigating of the role of C group Raf kinase in aerenchyma formation in rice roots	☆Seimiya, Y., A. Shinozawa, K. Izawa, S. Nakamura (Dept.Bioscience, Tokyo Univ. Agric)
P188	Analysis of ethylene- and ABA-mediated hypoxic response in Brassica napus	☆Tamai, H.1, N. Yokouchi1, H. Takahashi2, M. Nakazono2, K. Izawa1, S. Nakamura1, A. Shinozawa1 (1.Dept. Bioscience, Tokyo Univ. Agric., 2.Grad. Sch. Bioagric. Sci., Univ. Nagoya)
P189	Evaluation of mechanized cultivation suitability under narrow-row cultivation conditions for the new soybean cultivar "Soratakaku".	○Saruta, M.1, H. Katoh1, Y. Kawasaki2, Y. Takada1 (1.WARC, NARO, 2.Inst. Crop Sci., NARO)
P190	Varietal Differences in Sweet Potato Yield and Dried Sweet Potato Shirota Incidence under Hot and Dry Environments	☆Konosu, H.1, M. Nishinaka2, Y. Yoshioka3, K. Taguchi2 (1.Grad. Sch. Sci., Univ. Tsukuba, 2.Carc., NARO, 3.Sci., Univ. Tsukuba)
P191	Varietal Differences of Rice Grain Quality at High Temperature during Ripening Period in Ibaraki	○Suzuki, Y., H. Ishikawa, T. Nakano, K. Akita, K. Okano, M. Hirayama (Plant Biotechnology Institute , Ibaraki Agricultural Center)
P192	Characterization of starch branching enzyme (SBE) for the ripening buckwheat grain with a low-temperature gelatinization trait	☆Katsuta, M., T. Suzuki, K. Katsu (Kyushu Okinawa Agricultural Research Center, NARO)
P194	Generation and analysis of mutants of promoters and coding sequences of lipase genes for enhanced production of rice bran oil	Kuwabara, K., M. Urakawa, K. Toriyama, ○Y. Ito (Grad Sch Agri Sci, Tohoku Univ)
P195	Heritability of medicinal compound levels in clonal lines of Glycyrrhiza uralensis	○Tsusaka, T.1, M. Sakurai1,2 (1.Tsumura & Co., 2.LAO TSUMURA CO.,LTD)
P196	Trade-off relationship between grain yield and zinc concentration in rice	☆Kataoka, S.1, N. Miyazaki1, R. Takahashi1, M. Ogasawara1, K. Taniko1, G. Monden1, L. Sathya1, M. Iwata1, K. Numaguchi1, T. Ishii1, H. Maeda2, J. Ma3, R. Ishikawa1 (1.Grad. Sch. Agr. Sci., Kobe Univ., 2.NARO, 3.ISPR, Okayama Univ.)
P197	Genomic Loci Underlying Early Developmental Heterosis in Chinese Cabbage (Brassica rapa L. subsp. pekinensis)	☆SARKER, K., H. MEHRAJ, R. FUJIMOTO (Graduate School of Agricultural Science, Faculty of Agriculture, Kobe University)
P198	QTL analysis of hybrid vigor for early growth in rice BC1F1 derived from the cross between Taichung 65 as the donor parent and Asu as the recurrent parent	☆Ogihara, S.1, Y. Nakamura1, K. Ichitani2, S. Taura3, T. Kuboyama1 (1.Grad. Sch. Agr., Ibaraki U., 2.Fac. Agr., Kagoshima U., 3.Gene Res. Inst., Kagoshima U.)
P199	Analysis of growth traits and genetic factors associated with heterosis level in hybrids generated by crossing different parental lines in sugar beet.	☆Suda, M.1, R. Iwahori1, K. Hiroki1, A. Naito1, H. Matsuhira2, K. Kitazaki1 (1.Hokkaido University, Research Faculty of Agriculture, 2.NARO･HARC)
P200	Analysis of rice abl2-d mutant with a mutation in microRNA166 target sequence	☆Mikami, K.1, M. Kobukai2, K. Chiba1, M. Kuwamura2, N. Nagasawa2, N. Satoh-Nagasawa2 (1.Grad. Sch. Biores. Sci., Akita Pref. Univ.,, 2.Fac. Biores. Sci., Akita Pref.Univ.,)

P201	Development of an experimental system for single-nucleus RNA-seq and single-cell resolution 3D imaging analysis of barley shoot apex	☆Takeda, R.[1], J. Ito[1], Y. Nomura[1], N. Sato[1], A. Hirota[2], M. Hayashi[2], D. Shi[2], Y. Sasai[2], P. Kao[2], K. Sugimoto[2], D. Saisho[3], H. Hisano[3], T. Uchino[4], S. Nasuda[4], K. Tonosaki[1], T. Kinoshita[1], K. Amagai[5], M. Kashima[5], H. Tsuji[1,6] ([1].Kihara Inst. Biol. Res., Yokohama City Univ., [2].CSRS, RIKEN., [3].IPSR, Okayama Univ., [4].Grad. Sch. Agric., Kyoto Univ., [5].Fac. Sci., Toho Univ., [6].Biosci. Biotechnol. Center, Nagoya Univ.)
P202	Morphological characterization and identification of genes responsible for monogerm/multigerm seed formation in sugar beet and its relatives.	○Kuno, A.[1], K. Takayasu[1], K. Hiroki[1], T. Narihiro[2], H. Matsuhira[2], Y. Kuroda[2], T. Kubo[1], K. Kitazaki[1] ([1].Hokkaido University, Research Faculty of Agriculture, [2].NARO･HARC)
P203	Exploration of genes involved in late heading in a barley hy2 mutant via time-lapse Lasy-Seq	☆Okuma, M.[1], K. Nishimura[1], M. Kashima[2], Y. Monden[1], K. Kato[1], H. Nishida[1] ([1].Grad. Sch. Environ. Life Nat. Sci. Tech., Okayama U., [2].Fac. Sci., Toho U.)
P204	Single-cell resolution imaging of the development of three spikelet meristems from a triple spikelet meristem in barley inflorescence	☆Mitsuishi, R.[1], J. Ito[1], Y. Nomura[1], R. Takeda[1], H. Tsuji[1,2] ([1].Kihara Inst. Biol. Res., Yokohama City Univ, [2].Biosci. Biotechnol. Center, Nagoya Univ)
P205	Functional analysis of genes involved in branching and floral induction in cassava using genome editing	○Tokunaga, H.[1,2], Q. Do Thi Nhu[4], M. Endo[3], A. Nguyen Hai[4], H. Le Huy[4], M. Seki[2] ([1].TARF, JIRCAS, [2].CSRS, RIKEN, [3].Institute of Agrobiological Sciences, NARO, [4].National Key Laboratory for Plant Cell Biotechnology, Agricultural Genetics Institute)
P206	Genome-wide association study reveals key loci controlling the timing of juvenile-to-adult vegetative transitions in rice	☆Shiragaki, K.[1,2], T. Okasaki[3], M. Yamamoto[3], T. Tezuka[1,2], S. Yokoi[1,2] ([1].Grad. Sch. Agri., Osaka Metro. Univ., [2].Edu. Res. Field, Sch. Agri., Osaka Metro. Univ., [3].Grad. Sch. Life Envi. Sci., Osaka Pref. Univ.)
P207	Characterization of photoperiod sensitivity of landraces in common buckwheat.	☆Nakano, A.[1], Y. Mizukami[1], K. Nemoto[1], A. Fukushima[1], j. Seino[1], N. Washizu[1], N. Hara[1], A. Toda[2], T. Kaizu[2], H. Nakayama[2], M. Oya[2], J. Aii[1] ([1].NUPMLS, [2].Niigata City Agri. Dev. Res Cent.)
P208	Comparative growth and seed yield of Lotus experimental strains under fluorescent and LED lighting conditions	☆Ng, H.[1], H. Tanaka[2], T. Gondo[3], R. Akashi[4], M. Hashiguchi[1] ([1].Fac. of Regional and Innov., Univ. of Miyazaki, [2].Fac. of Agr., Univ. of Miyazaki, [3].FSRC, Univ. of Miyazaki, [4].Univ. of Miyazaki)
P209	Inheritance of monoecious traits in XY spinach plants derived from germplasm resources.	☆Yajima, Y.[1], S. Maeda[2], Y. Onodera[3] ([1].Sch. Agr., Hokkaido Univ., [2].Grad. Sch. Agr., Hokkaido Univ., [3].Res. Fac. Agr., Hokkaido Univ.)
P210	Comparative analysis of cell morphology in glandular trichomes and phenolic compounds of polyploid strains obtained from crosses among Japanese Drosera species	○Hoshi, Y.[1], S. Funakoshi[2], K. Terasaki[2], T. Katogi[3] ([1].Sch. Agri., Univ. Tokai, [2].Grad. Sch. Agri., Univ. Tokai, [3].Res. Inst. Agr.)
P211	Detection of hybrid lethality alleles in Nicotiana species using agroinfiltration	○Nagai, S.[1,2], K. Kobayashi[1], M. Mino[1], Y. Tanaka[3], K. Nakata[4], T. Yamada[4], S. Yokoi[1,5], T. Tezuka[1,5] ([1].Grad. Sch. Agr., Osaka Metro. Univ., [2].Res. Inst. Env. Agr. Fish., Osaka Pref., [3].Wakasa Wan Energy Res. Cent., [4].United Grad. Sch. Agr. Sci., Tokyo U. Agr. Tech., [5].Educ. Res. Field., Sch. Agr., Osaka Metro. Univ.)
P212	Transcription factors and internal plant hormones during secondary somatic embryogenesis of tea plant (Camellia sinensis).	☆Mikami, K.[1], S. Hirata[1,2], H. Yamashita[3], T. Ikka[3], M. Kojima[4], Y. Takebayashi[4], H. Sakakibara[4,6], s. Koshimizu[5], M. Arita[5], K. Furukawa[1] ([1].KOSEN Numazu college, [2].Grad. Sch. Agr. Life Sci., Univ. Tokyo, [3].Grad. Sch. Integrated Sci. and Tech, Shizuoka Univ., [4].CSRS.RIKEN, [5].NIG, [6].Grad. Sch. Biol. Sci. Nagoya Univ.)
P213	Analysis of potassium ion transporters involved in pollination in Arabidopsis thaliana	☆Naoe, A., K. Yokota, M. Hayashi, M. Watanabe (Grad. Sch. Life Sci., Tohoku Univ.)
P214	Analysis of the molecular mechanism in the female papilla cells regulating self-incomaptibility in Brassicacea plants.	Harada, Y.[1], A. Nozawa[2], T. Sawasaki[2], ○M. Hayashi[1], M. Watanabe[1] ([1].Grad. Sch. Life Sci., Tohoku Univ., [2].PROS, Ehime Univ.)

P215	Genetic analysis of the UI region responsible for intraspecific unilateral incompatibility in Brassica rapa.	◯Takada, Y.1, M. Shimizu2, G. Suzuki3, M. Watanabe1 (1.Grad. Sch. Sci., Tohoku Univ., 2.IBRC, 3.Osaka kyoiku Univ.)
P216	Which S haplotypes are utilized in Japanese radish F1 varieties?	Ji, J., R. Kato, M. Yamashita, Y. Wang, S. Miyashita, M. Yamamoto, ◯H. Kitashiba (Grad. Sch. Agr. Sci., Tohoku U.)
P217	Multiomics analysis aiming for self seed production of anther indehiscence-type cytoplasmic male sterile rice	☆Takatsuka, A.1,2, T. Kazama1, K. Toriyama2 (1.Grad. Sch. Biores. Bioenviron. Sci., Kyushu Univ., 2.Grad. Sch. Agri. Sci., Tohoku Univ.)
P218	Candidate genomic regions of pollen and spikelet sterility genes at qSG11 for F1 sterility between Oryza sativa and O. glumaepatula	☆Amano, H.1, T. Kawata1, A. Umebara1, H. Yasui2, Y. Yamagata2 (1.Grad. Sch. Bioresour. Bioenviron. Sci., Kyushu Univ., 2.Fac. Agr., Kyushu Univ.)
P219	Genetic analysis of fertility restorer genes for Taichung 65/O. glaberrima (TG)-type cytoplasmic male sterile rice	☆Oniki, M., Y. Yamagata, H. Yasui, T. Kazama (Fac. Agr., Kyushu Univ.)
P220	QTL analysis of grain quality related traits on chromosome 6 including THB1 in rice.	☆Wakabayashi, T.1, H. Ozaki2, K. Kato1 (1.Obihiro Univ. of Agri. & Vet. Med., 2.Kamikawa Agri. Exp. Sta., HRO)