

JSB146 Poster presentations

20 September (Odd Numbers 9:00-10:15, Even Numbers 10:15-11:30)

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, T. Oikawa, M. Chiba (Inst. Agrobiol. Sci. NARO)
P102	Development of Eucalyptus Commercial Clones through Selective Breeding Technology using Genomic Information (Genomic Selection)	☆SHINYA, T. (NIPPON PAPER INDUSTRIES CO., LTD. Research Laboratory)
P103	Investigation of breeding value prediction using multi-trait and multi-environment models	☆Kinami, A., A. Onogi (Grad. Sch. of Agri., Ryukoku Univ.)
P104	Development of an objective evaluation method for the curling of perilla leaves using a convolutional neural network	☆Chen, T. ¹ , S. Kinoshita ¹ , M. Okada ¹ , Y. Imachi ¹ , K. Sakurai ¹ , T. Tsusaka ² , M. Sakurai ² , K. Shirasawa ³ , S. Isobe ³ , H. Iwata ¹ (1.Grad. Sch. Agr. Life Sci., Univ. Tokyo, 2.TSUMURA & CO., 3.Kazusa DNA Res. Inst.)
P105	UAV time-series analysis by R package phenocrop	☆Taniguchi, S. ¹ , T. Sakamoto ² , D. Ogawa ³ (1.Research Center for Agricultural Information Technology, NARO, 2.Institute for Agro-Environmental Sciences, NARO, 3.Institute of Crop Science, NARO)
P106	Establishment of an interspecific hybridization method in <i>Pennisetum</i> species with trifluoromethanesulfonamide (TFMSA)	☆Terada, K. ¹ , Y. Sekiguchi ² , T. Ishii ^{3,4} (1.Grad. Sch. of Sustainability Sci., Tottori U, 2.United Grad. Sch. Agricultural Sci., Tottori U, 3.Arid Land Research Center, Tottori U, 4.International Platform for Dryland Research and Education (IPDRE), Tottori U)
P107	Identification of novel <i>S-RNase</i> alleles in potato (<i>Solanum tuberosum</i> L.) and attempt to silence <i>S-RNase</i> by inoculation of double-strand RNAs.	☆Akai, K. (HARC, NARO)
P108	Doubly late-flowering phenotype obtained by integration of two spontaneous variants of Koshihikari	☆Sugihara, H., M. Tomita (Res. Inst. Green Sci. & Technol., Shizuoka Univ.)
P109	Breeding a high yielding soybean variety, "Soramizuki", developed from a contemporary U.S. variety.	○Kato, S. ¹ , E. Aoki ¹ , Y. Nanjo ² , M. Saruta ³ , R. Yamazaki ¹ , K. Takahashi ¹ , T. Yamada ⁴ , A. Hishinuma ² , K. Hirata ¹ (1.Institute of Crop Science, NARO, 2.Tohoku Agricultural Research Center, NARO, 3.Western Region Agricultural Research Center, NARO, 4.Research Center for Agricultural Information Technology, NARO)
P110	Chromosome instability in synthetic octaploid wheat produced by wild hybridization between bread wheat and <i>Aegilops tauschii</i>	☆GAO, Y. ¹ , M. Kishii ² , Y. Matsuoka ³ , H. Tsujimoto ⁴ , S. Sakuma ⁵ , T. Ishii ^{4,6} (1.United Graduate School of Agricultural Sciences, Tottori University, 2.Japan International Research Center for Agricultural Sciences (JIRCAS), 3.Graduate School of Agricultural Science, Kobe University, 4.Arid Land Research Center (ALRC), Tottori University, 5.Faculty of Agriculture, Tottori University, 6.International Platform for Dryland Research and Education (IPDRE), Tottori University)
P111	A method to breed fertile interspecific hybrids between Asian and African rice via tetraploidization and haploid induction	☆Kuniyoshi, D. ¹ , M. Ishihara ² , Y. Shimazaki ² , Y. Sato ³ , Y. Kishima ² (1.Tropical Agriculture Research Front, JIRCAS, 2.Grad. Sch. Agr., Univ. Hokkaido, 3.Hokkaido Agricultural Research Center, NARO)
P112	Can exotic Johnson grass be a genetic resource for improving the underground part of cultivated sorghum?	Yamada, C. ¹ , S. Okada ² , S. Hashimoto ³ , S. Nakamura-Araki ² , K. Shinohara-Ohmae ² , S. Kasuga ⁴ , ○T. SAZUKA ² (1.Grad. Sch. Bioagri., Nagoya Univ., 2.Bio. Biotech. Center, Nagoya Univ., 3.Grad. Sch. Agric. Life Sci., U. Tokyo., 4.AFC, Fac. Agri. Shinshu Univ.)
P113	Development of DNA markers for selecting cassava resistant to cassava mosaic disease and investigating genetic resources in Southeast Asia	☆Tokunaga, H. (JIRCAS)
P114	Establishment of an RNA analysis pipeline without the use of liquid nitrogen or deep freezer and an RNA sequencing using rice samples obtained in Madagascar	○Ueda, Y. ¹ , R. Diary ² , T. Rajonandraina ^{2,3} , T. Radanielina ² (1.JIRCAS, 2.Antananarivo University, Department of Plant Biology and Ecology, 3.Antananarivo University, Laboratory of Radioisotopes)
P115	Diversity of environmental stress tolerance of rice genetic resources	○Saito, H., M. Obara (JIRCAS)

P116	Diversity of morphological and agronomic traits in the Erianthus genetic resources of Thailand.	○Terajima, Y. ¹ , W. Ponragdee ² , A. Tippayawat ² , S. Chanachai ² , T. Sansayawichai ² , H. Takagi ¹ , A. Sugimoto ¹ , s. Ando ¹ (1.JIRCAS, 2.Khon Kaen Field Crops Research Center)
P117	Genetic diversity of floating rice in the Mekong River Basin	○Dinh, T. ¹ , T. Le ² , T. Dang ² , R. Ishikawa ¹ (1.Faculty of Agriculture and Life Science, Hirosaki University, Japan, 2.Climate Change Institute, An Giang University, Vietnam National University Ho Chi Minh City, Vietnam)
P118	Upland rice genetic resource of Lao.PDR; its collection, evaluation and utilization	○ASAI, H. ¹ , T. Takai ¹ , H. Saito ¹ , A. Oo ¹ , K. Maruyama ¹ , V. Koukham ² , P. Sengthong ² (1.JIRCAS, 2.NAFRI)
P119	Towards breeding early-maturing quinoa lines in Bolivia and Japan	○Nagatoshi, Y. ¹ , Y. Yasui ² , K. Nishimura ⁴ , K. Fujii ⁵ , J. Tanaka ³ , T. Ogata ¹ , Y. Kobayashi ¹ , M. Gutema ⁶ , E. Nishihara ⁶ , M. Tsubo ⁷ , A. Bonifacio ⁸ , Y. Fujita ^{9,10} (1.Biol. Resources Post-harvest Div., JIRCAS, 2.Grad. Sch. Agri., Kyoto Univ., 3.Crop Livestock Environ. Div., JIRCAS, 4.Grad. Sch. Environ. Life Nat. Science Tech., Okayama Univ., 5.Div. Crop Genome Edit., NIAS, 6.Faculty Agri., Tottori Univ., 7.IPDRE., Tottori Univ., 8.Fundación PROINPA in Bolivia, 9.Grad. Sch. Life Environ. Sci., Univ. Tsukuba, 10.Food Program, JIRCAS)
P120	Diversity of mango genetic resources	○Yamanaka, S. ¹ , M. Shoda ² , H. Takagi ¹ , T. Yamamoto ³ (1.JIRCAS, 2.OPARC, 3.NARO)
P122	Analysis of genetic differentiation and heading date diversity in wild emmer wheat collected from Israel	☆Chang, Y. ¹ , K. Nishimura ² , M. Kakusaka ³ , K. Murata ¹ , T. Tamura ² , Y. Iwahashi ¹ , K. Motoki ² , K. Nagasaka ¹ , T. Maki ¹ , Y. Kinoshita ¹ , R. Nakano ¹ , H. Inoue ¹ , Y. Monden ² , K. Kawaura ³ , N. Mori ⁴ , E. Nevo ⁵ , K. Kato ² , H. Nishida ² , T. Nakazaki ^{1,6} (1.Grad. Sch. Agr., Kyoto Univ., 2.Grad. Sch. Environ. Life Nat. Sci. Tech., Okayama U., 3.KIBR, Yokohama City Univ., 4.Grad. Sch. Agr. Sci., Kobe Univ., 5.IoE, Univ. of Haifa, 6.Office of IAC, Kyoto Univ.)
P123	Population genetic estimation of genomic region and origin for small-fruit cultivars of Japanese apricot	☆Numaguchi, K. ¹ , Y. Kitamura ² , T. Kashiwamoto ³ , T. Morimoto ⁴ , T. Oe ³ (1.Grad. Sch. Agr. Sci., Kobe Univ., 2.Facul. Agr., Setsunan Univ., 3.Japanese Apricot Lab., Wakayama Fruit Tree Exp. Sta., 4.Grad. Sch. Life and Env. Sci., Kyoto Pref. Univ.)
P124	Comparing genome structures between <i>Fragaria</i> × <i>ananassa</i> cultivars based on genomic regions from <i>F. chiloensis</i> and <i>F. virginiana</i>	☆Yoshizumi, M. ¹ , Y. Machi ¹ , S. Saiga ^{1,2} , H. Takagi ¹ (1.Ishikawa Prefectural University, 2.Takii and Company, Limited)
P125	Possible effect of Pollen Tube Elongation Gene Mutation on Segregation Distortion in the Progeny from Cross between Asian Rice and Australian Wild Rice	☆Shibata, Y. ¹ , K. Katano ² , R. Takahashi ¹ , Y. Maeda ¹ , S. Taura ³ , R. Henry ⁴ , R. Ishikawa ⁵ , K. Ichitani ⁶ (1.Grad. Sch. Agr. Forest. Fish., Kagoshima Univ., 2.Takii & CO., LTD, 3.Inst. Gene Res., Kagoshima Univ., 4.QAAFI, Univ. of Queensland, 5.Fac. Agr. and Life Sci., Hirosaki Univ., 6.Fac. Agr., Kagoshima Univ.)
P126	Genetic characterization of landrace buckwheat in the Shinshu area collected before the 2000s via MIG-seq analysis	☆Kondo, F. ^{1,2,3} , S. Masuda ³ , K. Yamane ³ , H. Maruyama ⁴ , S. Murayama ⁴ , K. Nemoto ³ , V. Palombo ⁵ , M. D'Andrea ⁵ , K. Matsushima ³ (1.Kyoto Univ., 2.JSPS Research Fellowship for Young Scientists, 3.Shinshu Univ., 4.Nagano Veg. Orn. Crops Exp. Stn., 5.Univ. Molise)
P127	Genetic characterization of <i>Hemerocallis</i> species in Samegawa Village, Fukushima	○Sasanuma, T. ^{1,2} , N. Saito ¹ , K. Tamagawa ^{1,2} , Y. Sato ¹ , Y. Osafune ³ , T. Sugawara ³ , S. Kishimoto ^{3,4} (1.Fac. Agr., Yamagata Univ., 2.Grad. Sch. Agr., Yamagata Univ., 3.Mt. Chokai and Tobishima island Geopark Promotion Council, 4.Fac. Life Design, Tohoku Inst. Tech.)
P128	Morphological diversity of seed starch granules in <i>Vigna</i> species	○Matsushima, R., J. Yamashita (Institute of Plant Science and Resources, Okayama University)
P129	Evaluation of the degree of seed shattering and awn length in Japanese upland rice core collection	☆Yabu, K., K. Mikumo, T. Ishii, R. Ishikawa (Grad. Sch., Agr. Sci., Kobe Univ.)

P130	Evaluation of quantitative trait loci associated with awnlessness in cultivated rice, <i>Oryza sativa</i> IR36 and Nipponbare	☆Terada, H., H. Tanaka, P. Yaddehige, A. Yamamoto, R. Ishikawa, T. Ishii (Grad. Sch., Agr. Sci., Kobe Univ.)
P131	Wild and cultivated allele effects at <i>PROG1</i> and <i>TAC1</i> loci for plant architecture in rice	☆Ushirozako, M. ¹ , Y. Tokuyama ² , Y. Koide ² , T. Ishi ¹ (1.Grad. Sch., Agr. Sci., Kobe Univ., 2.Res. Fac. Agr., Hokkaido Univ.)
P132	Effect of selection based on medicinal ingredient paeoniflorin content and yield in <i>Paeonia lactiflora</i>	☆Kawashimo, M., T. Tsusaka, M. Sakurai (Tsumura & Co.)
P133	Characterization of safflower genetic resources based on basic morphological traits	☆Hosono, K. ¹ , S. Kimura ² , H. Suzuki ² , K. Toyama ² , T. Sasanuma ^{1,2} (1.Grad. Sch. Agr., Yamagata Univ., 2.Fac. Agr., Yamagata Univ.)
P134	Haplotype heredity of chromosome 4 in Japanese peach cultivar breeding	☆Iwamoto, M. ¹ , M. Minamikawa ² , R. Nakano ³ , D. Takada ⁴ , T. Kawai ¹ , F. Fukuda ¹ , Y. Unoki ⁵ , K. Oda ⁶ , K. Ushijima ¹ (1.Grad. Sch. Env, Life, Nat Sci., & Tech., Okayama. Univ, 2.IAAR., Chiba. Univ, 3.Grad. Sch. Agri., Kyoto. Univ, 4.Fac. Food., & Agri Sci., Fukushima. Univ, 5.Inst. Agri Res., Okayama Pref., 6.RIBS Okayama)
P135	Identification of an early-flowering mutant in Indonesian native rice cultivar: 'Gemdjah Beton'	☆IMIHAMU MUDIYANSELAGE, A. ¹ , R. Morita ¹ , H. Ichida ¹ , Y. Hayashi ¹ , Y. Shirakawa ¹ , T. Sato ^{1,2} , Y. Fukuta ³ , K. Toriyama ² , H. Saito ⁴ , Y. Okumoto ⁵ , T. Abe ¹ (1.Nishina Cen., RIKEN, 2.Grad. Sch. Agri. Sci., Univ. Tohoku, 3.Fac. Agri. Univ., Ryukyus, 4.Trop. Agri. Res. Front., JIRCAS, 5.Fac. Agri. Univ., Setsunan)
P136	Target genotyping using GRAS-Di technology in Barley	○Suzuki, K. ¹ , T. Kimura ¹ , N. Tada ¹ , T. Furuta ² , R. Matsushima ² , H. Enoki ¹ , D. Saisho ² (1.TOYOTA MOTOR CORPORATION, 2.IPSR,Okayama Univ.)
P137	Verification of epistasis on sorghum heterosis	○Okada, S. ¹ , S. Araki-Nakamura ¹ , K. Ohmae-Shinohara ¹ , S. Kasuga ² , T. Sazuka ¹ (1.Biosci. and Biotech. Center, Nagoya Univ., 2.AFC, Fac. of Agri. Shinshu Univ.)
P138	Development of a user-friendly GUI-based QTL-seq analysis tool	☆Sakemoto, M., T. Segawa, M. Takada, M. Hara, K. Miyaki (Ishikawa Prefectural University)
P139	QTL analysis of free amino acids regulated good eating quality of Dadachamame	☆Shioya, N. ¹ , H. Abe ² , A. Miyagi ^{1,2} , M. Kawai ³ , E. Ogiso-Tanaka ⁴ , T. Hoshino ^{1,2} (1.Grad. Sch. Agr., Iwate Univ., 2.Fac. Agr., Yamagata Univ., 3.Grad. Sch. Sci. Eng., Saitama Univ., 4.Ctr. Mol. Biodivers. Res., Natl. Mus. Nat. Sci.)
P140	Estimation of loci involved in non-seed-shattering behaviour of <i>japonica</i> rice cultivar, 'Asahi'	☆Kakigi, S., M. Karino, Y. Tsujimura, K. Numaguchi, T. Ishii, R. Ishikawa (Grad. Sch., Agr. Sci., Kobe Univ.)
P141	QTL-seq and fine-mapping of the low-amylose gene <i>du-2</i>	☆Kugita, T. ¹ , Y. Mukai ² , U. Yamanouchi ² , T. Wako ² , A. Kobayashi ³ , K. Okuno ⁴ , K. Hori ^{1,2} (1.Grad. Sch. Frontier Sci., Univ. Tokyo, 2.NARO, NICS, 3.Fukui. Agr. Exp. Stn., 4.Fac. Life Env. Sci., Univ. Tsukuba)
P142	Estimation of genetic loci for stolon production ability in wild rice, <i>Oryza rufipogon</i>	☆kimura, y., t. abe, y. mori, r. ishikawa, t. ishii (Grad. Sch., Agr. Sci., Kobe Univ.)
P143	Genetic analysis of light-independent anthocyanin accumulation in the Brassica rapa cultivar "Akamaru" excluding the effect of <i>BrMyb2</i> locus	☆Miyaki, K., T. Segawa, R. Kumazawa, M. Hara, H. Takagi (Ishikawa Prefectural University)
P144	QTL analysis of Candidate Regions Associated with Ovule Number in <i>Raphanus sativus</i> L.	☆JI, J., H. XUE, X. ZHU, M. YAMAMOTO, H. KITASHIBA (Grad. Sch. of Agri. Sci., Univ. Tohoku)
P145	Genetic effects of allelic combinations for starch biosynthesis genes by using multiple mutant lines in rice.	☆Watanabe, N. ¹ , D. Nagamatsu ¹ , K. Iijima ² , N. Fujita ³ , K. Hori ^{1,2} (1.Grad. Sch. Frontier Sci., Univ. Tokyo, 2.NARO, NICS, 3.Facult. Biores., Akita Pref. Univ.)
P146	Comparison of genomic prediction accuracy for fruit traits in citrus using Graphite and Beagle softwares.	☆Sato, C. ¹ , M. Minamikawa ² , M. Inamori ³ , K. Nonaka ⁴ , T. Shimizu ⁴ , H. Iwata ³ (1.Fac. Hort., Chiba Univ., 2.IAAR, Chiba Univ., 3.Grad. Sch. Agr. Life Sci., Univ. Tokyo, 4.NIFTS, NARO)
P147	Analysis of the white pollen mutant <i>wpo1</i> in <i>Chrysanthemum seticuspe</i> and mapping of the causal gene	☆Qin, D. ¹ , K. Nishimura ² , K. Moriwaki ¹ , K. Taniguchi ¹ , M. Kusaba ¹ (1.Grad. Sch. Integr. Sci. Life, Univ. Hiroshima, 2.Grad. Sch. Envir. Life Nat. Sci. Tech., Univ. Okayama)

P148	Isolation and functional analysis of the rice stay-green gene <i>DYE2</i>	☆Yamatani, H. ^{1,2} , M. Nakano ³ , T. Takami ⁴ , S. Ozawa ⁴ , W. Sakamoto ⁴ , M. Kusaba ² (1.QST, Takasaki, 2.Grad. Sch. Int. Sci. Life, Univ. Hiroshima, 3.Fac. Agr. Mar. Sci., Univ. Kochi, 4.IPSR, Univ., Okayama)
P149	Regulation of polyphenol oxidase and vacuolar invertase activities in potato variety by genome editing	○Endo, A. ¹ , H. Tanaka ¹ , Y. Shuhei ² , H. Sasaki ³ , T. Igarashi ³ , N. Umemoto ⁴ , M. Toshiya ² , M. Mori ³ , T. Yamada ¹ (1.Grad. Sch. Agric., Hokkaido Univ., 2.Grad. Sch. Eng., Osaka Univ., 3.Calbee Potato, Inc., 4.CSRS, RIKEN)
P150	A rice mutant exhibiting dominant early-flowering phenotype possessed complex structural variation.	○Morita, R. ¹ , H. Ichida ¹ , Y. Hayashi ¹ , Y. Shirakawa ¹ , K. Ichinose ¹ , T. Sato ^{1,2} , K. Toriyama ² , T. Abe ¹ (1.RIKEN, Nishina Cent., 2.Grad. Sch. Agri. Sci., Tohoku Univ.)
P151	Identification of a gene responsible for white bulb color in onion.	○Himi, E. ¹ , K. Kanazawa ¹ , M. Nishino ² , J. Kitagawa ² , S. Kobayashi ¹ (1.Sch. Agri., Kibi International Univ., 2.Hyogo Prefectural Agriculture, Forestry and Fishery Technology Center)
P152	Analysis of DNA demethylase mutants in rice	☆Uechi, M. ¹ , H. Nagata ¹ , K. Asai ¹ , Y. Fukuda ¹ , A. Ono ¹ , M. Endo ² , K. Tonosaki ¹ , T. Kinoshita ¹ (1.Yokohama City University Kihara Institute for Biological Research, 2.NARO, Institute of Agrobiological Sciences)
P153	Phenotypic observation of indehiscent anther in CMS eggplant and prediction of candidate gene responsible for the phenotype	☆Miyata, A. ¹ , M. Tsujimura ² , T. Shizuka ³ , S. Arimura ⁴ , S. Isshiki ⁵ , T. Terachi ¹ (1.Fac. Life Sci., Kyoto Sangyo Univ., 2.Fac. Agr., Ryukoku Univ., 3.Cent. Plant Sci., Kyoto Sangyo Univ., 4.Grad. Sch. Agr. Life Sci., Univ. Tokyo., 5.Fac. Agr., Saga Univ.)
P154	Integrating public databases to identify heat stress-related genes for breeding in rice. Meta-analysis of transcriptome data and structural similarity search.	○Yonezawa, S., H. Bono (Grad. Sch. Integ. Sci. Life, Hiroshima Univ.)
P155	Identification of novel stress-responsive genes by meta-analysis of public RNA-Seq data in rice varieties tolerant or susceptible to salt and drought stress	☆Shintani, M., H. Bono (Grad. Sch. Int. Sci., Hiroshima Univ.)
P156	Allele Graph: Overview of Allelic Combinations of Loci for Agricultural Traits	○Kawahara, Y. ¹ , E. Yamamoto ² , A. Takahashi ³ , K. Ebana ⁴ , K. Hori ² , K. Sugimoto ² (1.Res. Cent. Adv. Anal., NARO, 2.Inst. Crop Sci., NARO, 3.Inst. Agrobiol. Sci., NARO, 4.Res. Cent. Genet. Resources, NARO)
P157	Cataloging recombination sites between homoeologous chromosomes in Brassica napus using Dosage-score analysis	☆Kumazawa, R., M. Hara, K. Miyaki, M. Yoshizumi, T. Segawa, H. Takagi (Ishikawa Prefectural University)
P158	Unveiling the NB-LRR diversity from cultivars of Brassica rapa vegetables	Shimizu, M. ² , ○R. Fujimoto ¹ (1.Grad Sch. Agric. Sci., Kobe Univ., 2.IBRC)
P159	Pathotype classification of <i>Plasmodiophora brassicae</i> from broccoli field in Japan and varietal difference of resistance to clubroot	○Kawasaki, M., N. Fukino, H. Sakamoto (Institute of Vegetable and Floriculture Science, NARO)
P160	Introduction of resistance genes to brown planthopper into rice variety 'Sagabiyori' and linkage of negative traits.	○Fujita, D., S. Shar, K. Begum (Grad. Sch. Agri., Univ. Saga)
P161	Varietal differences of waterlogging tolerance in wheat at the early stage of growth	☆Onoue, A., H. Kai, Y. Kakitsuka, O. Uchikawa, T. Todoroki, M. Tamura, E. Kakita (Fukuoka Agric. Res. Cent.)
P162	Phosphoproteome analysis between water-saving and non-water-saving wheat	☆Hirata, S. ¹ , K. Yamashita ² , T. Umezawa ² , A. Nieda ³ , H. Tsujimoto ⁴ , R. Mega ^{1,3} (1.Grad. Sch. Sci. Tech. Innov., Yamaguchi. Univ, 2.Grad. Sch. BASE., Tokyo U. Agr. Tech, 3.Fac. Agr., Yamaguchi Univ, 4.ALRC., Tottori Univ)
P163	Evaluation of root anatomical plasticity in response to phosphate starvation in the chromosome segment substitution lines derived from <i>O. rufipogon</i> .	☆Kageyama, M. ¹ , H. Morishita ² , T. Takashi ³ , M. Ashikari ⁴ , T. Yamauchi ⁴ (1.Sch. Agric., Nagoya Univ., 2.Grad. Sch. Bioagr. Sci., Nagoya Univ., 3.STAY GREEN Co., Ltd., 4.Biosci. Biotech. Center, Nagoya. Univ.)
P164	Contribution of pathogen defense mechanisms and HSF2 in regulating memory of 5-min heat stress in Arabidopsis	☆Shimizu, R., M. Yunose, K. Oyoshi, N. Suzuki (Sophia University Graduate School of Science and Technology)
P165	Integrated analysis of phosphorus acquisition traits and comparison across wheat varieties	○Maruyama, H., T. Imai, N. Aoyama, T. Watanabe, T. Shinao (Gras. Sch. Agri., Hokkaido Univ.)

P166	Screening of QTL contributing to water-saving drought-tolerance using wheat RIL population	☆Hina, K. ¹ , T. Ishii ² , K. Nishimura ³ , Y. Matsuoka ⁴ , H. Tsujimoto ² , R. Mega ¹ (1.Grad. Sch. Sci. Tech. Innov., Univ. Yamaguchi, 2.ALRC., Univ. Tottori, 3.Grad. Sch. Environ. Life Sci., Univ. Okayama, 4.Grad. Sch. Agri. Sci., Univ. Kobe)
P167	Functional analysis of B3-Raf to root oxygen deficiency in <i>Brassica napus</i>	○Yokouchi, n. ¹ , A. Shinozawa ¹ , H. Takahashi ² , M. Nakazono ² , K. Izawa ¹ , S. Nakamura ¹ (1.Dept. Bioscience, Tokyo Univ. Agric., 2.Grad. Sch. Bioagric. Sci., Univ. Nagoya)
P168	Investigation of yields on various environments and photosynthetic activities using Japanese major sweetpotato cultivars	☆Izumitani, M. ¹ , K. Taguchi ² , K. Ishiguro ³ , Y. Tanaka ¹ , M. Nishinaka ² , K. Nishimura ¹ , H. Nishida ¹ , K. Kato ¹ , Y. Monden ¹ (1.Grad. Sch. Environ. Life Nat. Sci. Tech., Okayama U., 2.CARC/NARO, 3.HARC/NARO)
P169	Effects of mulching on sweet potato yield and processing quality	☆Konosu, H. ¹ , M. Nishinaka ² , Y. Yoshioka ³ , K. Taguchi ² (1.Grad. Sch. Sci., Univ. Tsukuba, 2.Carc., NARO, 3.Sci., Univ. Tsukuba)
P170	Analysis of barley mutant lines with altered grain starch properties	○Nakata, M. ¹ , R. Matsushima ² , M. Taira ¹ , M. Yanaka ¹ , H. Shimizu ¹ (1.KARC, NARO, 2.IPSR, Okayama Univ.)
P171	Characteristics of storage roots in dodecaploid sweet potato and their unstable ploidy	☆Setoguchi, Y. ¹ , S. Hashimura ² , Y. Narasako ^{1,3} , T. Hirano ⁴ , M. Otani ⁵ , H. Kunitake ⁴ (1.Interdiscip. Grad. Sch. Agric. Eng., Univ. Miyazaki, 2.Grad.Sch. Agric., Univ. Miyazaki, 3.Kushima AoiFarm Co. Ltd., 4.Facul. Agric., Univ. Miyazaki, 5.Res. Inst. Agric. Resour., Ishikawa Pref. Univ.)
P172	Seed protein content and <i>POWR1</i> gene genotype of Japanese summer type soybeans.	○Komatsu, K. ¹ , T. Sayama ^{1,2} , Y. Takada ¹ (1.Western Region Agricultural Research Center, NARO, 2.Present; Tohoku Agricultural Research Center, NARO)
P173	Relationshi between the degree of heterosis and parental genomic differences for several traits under different growth conditions in sugar beet.	Iwahori, R. ¹ , K. Hiroki ¹ , A. Kuno ¹ , K. Yamada ¹ , M. Suda ¹ , H. Ogawa ¹ , H. Matsuhira ² , ○K. Kitazaki ¹ (1.Res. Fac. Agri., Hokkaido Univ., 2.HARC, NARO)
P174	Examination of conditions for isolating nuclei from barley shoot apex for single-nucleus RNA-sequencing	☆Takeda, R. ¹ , J. Ito ¹ , Y. Nomura ¹ , N. Sato ¹ , A. Hirota ² , M. Hayashi ² , H. Hisano ³ , T. Uchino ⁴ , S. Nasuda ⁴ , H. Tsuji ^{1,5} (1.KIBR, Yokohama City Univ., 2.CSRS, RIKEN., 3.IPSR, Okayama Univ., 4.Grad. Sch. Agric., Kyoto Univ., 5.Bioscience and Biotechnology Center, Nagoya Univ.)
P175	Genetic analysis of panicle traits using <i>Oryza rufipogon</i>	☆Suzuki, R. ¹ , H. TAKAHASHI ² , M. NAKAZONO ² , Y. Sato ³ , A. Agata ² (1.Fac. Agr., Nagoya U., 2.Grad. Sch. Bioagr. Sci., Nagoya. U., 3.National Institute of Genetics.)
P176	Time-series analysis of kinematics of the main culm and tillers in wild rice in micro-gravity condition	☆Kushida, S. ¹ , Y. Tokuyama ¹ , T. Ishii ² , Y. Kishima ³ , Y. Koide ³ (1.Graduate School of Agriculture, Hokkaido University, 2.Graduate School of Agricultural Science, Kobe University, 3.Research Faculty of Agriculture, Hokkaido University)
P177	Analysis of PIN localization for elucidation of auxin polar transport in rice embryo	☆Tezuka, T., Y. Sato (Plant Genet., NIG)
P178	Identification of <i>rsd32</i> reducing seed dormancy using MutMap in wheat	○Rikiishi, K., E. Tsuchiya, M. Sugimoto (Inst. Plant Sci. Res., Okayama Univ.)
P179	Search for epigenetic mutations involved in the inhibition of <i>BoFLC1</i> gene silencing in the non-flowering cabbage mutant 'nfc'	○Kinoshita, Y. ¹ , K. Motoki ² , Y. Aoyagi ³ , H. Hirakawa ³ , M. Hosokawa ^{4,5} (1.Grad. Sch. Agri., Kyoto Univ., 2.Grad. Sch. Environ. Life Nat. Sci. Tech., Okayama Univ., 3.Kazusa DNA Res. Inst., 4.Fac. Agr., Kindai Univ., 5.Agr. Tech. Innov. Res. Inst., Kindai Univ.)
P180	Suppression of barley flowering by overexpression of rice <i>DECELERATOR OF INTERNODE ELONGATION 1</i> (<i>DEC1</i>) gene	○Ito, J. ¹ , Y. Nomura ¹ , K. Nagai ² , H. Hisano ³ , M. Kashima ⁴ , M. Ashikari ² , H. Tsuji ^{1,2} (1.KIBR, Yokohama City Univ., 2.Bioscience and Biotechnology Center, Nagoya Univ., 3.IPSR, Okayama Univ., 4.Toho Univ.)
P181	Epigenetic modification analysis using single-cell resolution 3D immunostaining for rice shoot apical meristem II	☆Morishita, Y. ¹ , R. Takata ² , A. Yoshida ² , A. Higo ² , H. Tsuji ^{2,3} (1.Grad. Sch. Bioagr. Sci., Nagoya Univ., 2.KIBR, Yokohama City Univ., 3.BBC, Nagoya Univ.)
P182	Relationship between bolting phenotype and BvBTC1 haplotype in cultivated beet	☆Oishi, M., R. Hayakawa, E. Taniguchi, K. Kitazaki, T. Kubo (Grad. Sch. Agr., Hokkaido Univ)

P183	Vernalization response characteristics of <i>FLOWERING LOCUS C 2</i> derived from cabbage in the Chinese cabbage genetic background.	○Yano, S. ¹ , A. Chowdhury ¹ , N. Nishida ² , R. Fujimoto ¹ (1.Graduate School of Agricultural Science, Kobe University, 2.Faculty of Agriculture, Kobe University)
P184	Functional analysis of spinach <i>FT</i> and <i>CO</i> homologs located in QTLs that control bolting timing.	☆Hatsukade, M. ¹ , R. Ishikawa ¹ , Y. Onodera ² (1.Grad. Sch. Agr., Hokkaido Univ., 2.Res. Fac. Agr., Hokkaido Univ.)
P185	Expression analysis of floral development-related genes in <i>Fragaria iinumae</i> using RNA-seq.	☆Machi, Y. ¹ , K. Hukuoka ¹ , S. Saiga ^{1,2} , M. Yoshizumi ¹ , H. Takagi ¹ (1.Ishikawa Prefectural University, 2.Takii and Company, Limited)
P186	Identifying genomic regions in tetraploid wheat involved in unreduced gamete formation by QTL-seq	☆Nomura, D. ¹ , Y. Matsuoka ² , N. Mori ² , K. Yoshida ¹ (1.Grad. Sch. Agri., Kyoto Univ., 2.Grad. Sch. Agri. Sci., Kobe Univ.)
P187	Fine mapping of the <i>HLA1</i> locus causing hybrid lethality in <i>Nicotiana</i> interspecific hybrids	☆Nagai, S. ¹ , K. Nakata ² , T. Yamada ² , S. Yokoi ¹ , T. Tezuka ¹ (1.Grad. Sch. Agr., Osaka Metro. Univ., 2.United Grad. Sch. Agr. Sci., Tokyo U. Agr. Tech.)
P188	Basic research on stem tip culture methods for induction of shoot primordia in licorice (<i>Glycyrrhiza uralensis</i> L.)	☆Asano, H. ¹ , T. Murata ^{1,2} , Y. Matsuda ^{1,2} , Y. Masuda ^{1,2} (1.Graduate School of Agriculture, Tokai University, 2.School of Agriculture, Tokai University)
P189	Comparison of callus induction and regeneration conditions from mature seed embryos using an indica rice variety.	○Ohtake, M., A. Komatsu (Institute of Agrobiological Sciences,NARO)
P190	Characterization of a self-compatible mutant in common buckwheat	☆Nakano, A., Y. Mizukami, S. Tadokoro, K. Wada, J. Aii (NUPMLS)
P191	Detection of <i>BrassicaS</i> haplotypes by STH chromatographic assay	☆Zhu, X., A. Tian, H. Kitashiba (Grad. Sch. Agr. Sci., U. Tohoku)
P192	Identification and frequency survey of <i>S</i> haplotypes in <i>Raphanus sativus</i> L. var. <i>raphanistroides</i> collected from the Japan Sea coastal area (Shimane to Niigata).	Ji, J. ¹ , A. Tian ¹ , K. Yoshida ¹ , Y. Ito ¹ , X. Zhu ¹ , M. Yamashita ¹ , T. Ishi ^{2,3} , S. Miyashita ¹ , M. Yamamoto ¹ , ○H. Kitashiba ¹ (1.Grad. Sch. Agr. Sci., U. Tohoku, 2.Arid Land Res. Ctr., Tottori Univ., 3.Int. Platform for Dryland Res. and Educ., Tottori Univ.)
P193	Inheritance of fertility restoration in heterozygotes of the F ₁ pollen sterility gene <i>S21</i> from <i>Oryza nivara</i> and <i>O. meridionalis</i>	Kubota, R. ¹ , ○Y. Yamagata ² (1.Bioenviron. Sci., Grad. Sch., Kyushu Univ., 2.Fac. Agr., Grad. Sch., Kyushu Univ.)
P194	Mitochondrial genome editing of the candidate gene responsible for cytoplasmic male sterility in sugar beet.	☆Gibo, H. ¹ , K. Kitazaki ¹ , S. Arimura ² , T. Kubo ¹ (1.Grad. Sch. Agr., Hokkaido.Univ., 2.Grad. Sch. Agr. Life Sci., Univ. Tokyo)
P195	Morphological changes in petals and petal cells during opening and closing of <i>Nelumbo</i> flowers	○Ishizuna, F. ¹ , U. Yo ¹ , N. Yoshimura ¹ , A. Shirai ¹ , T. Aono ² , S. Arimura ³ , N. Tsutsumi ³ , H. Takanashi ³ (1.Tokyo Kasei-gakuin Univ., 2.BRC·Univ Tokyo (Present address, Inst. Agro-Environ. Sci. NARO), 3.Grad. Sch. Agric. Life Sci., Univ. Tokyo)