

## JSBI 49 Poster presentations

22 March (Odd Numbers 9:00-10:15, Even Numbers 10:15-11:30)

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| P001 | Investigation of days to heading and heading-related genes in bread wheat under ultra-long-day conditions   | ☆Kouike, T. <sup>1</sup> , S. Takenaka <sup>2</sup> (1.Grad.Sch.Agr.,Ryukoku Univ., 2.Fac.Sch.Agr.,Ryukoku Univ.)   |
| P002 | Pyramiding Effects and Interlocus Interactions of Fatty Acid Biosynthesis Mutant Genes in Soybean   | ☆Morooka, R. <sup>1</sup> , R. Yamada <sup>1</sup> , A. Hase <sup>3</sup> , M. Shibata <sup>3</sup> , T. Anai <sup>2</sup> , S. Watanabe <sup>1</sup> (1.Fac. of Agri., Saga Univ., 2.Fac. of Agri., Kyushu Univ., 3.Fuji Oil Co., Ltd.)  |
| P003 | Quantification of Sweet Potato Damage Using 3D Data and Optimization of the Machine Learning Dataset Generation Process                                   | ○Kodama, K. <sup>1</sup> , K. Taguchi <sup>2</sup> , M. Nishinaka <sup>2</sup> , M. Kurihara <sup>2</sup> , W. Guo <sup>1</sup> (1.Univ. Tokyo, 2.NARO CRAC)  |
| P004 | Designing and benchmarking generative AI agents for soybean breeding using virtual multi-environment trials.  | ○Yamada, T. <sup>1</sup> , Y. Nanjo <sup>2</sup> , S. Kato <sup>3</sup> , M. Saruta <sup>4</sup> , A. Kaga <sup>3</sup> , J. Yonemaru <sup>1</sup> (1.Res. Cent. Agric. Info. Tech., NARO, 2.Tohoku Agric. Res. Cent., NARO, 3.Inst. Crop Sci., NARO, 4.Western Reg. Agric. Res. Cent., NARO)   |
| P005 | Development of traceSelection, a visualization tool of selection process using expected progeny distribution, and its application to citrus breeding data | ☆Kimura, S. <sup>1</sup> , M. Minamikawa <sup>2</sup> , K. Nonaka <sup>3</sup> , T. Shimizu <sup>3,4</sup> , H. Iwata <sup>1</sup> (1.Grad. Sch. Agr. Life Sci., Univ. Tokyo, 2.IAAR, Chiba Univ, 3.NIFTS, NARO, 4.Kazusa DNA Res. Inst)  |
| P006 | A new rice cultivar "Shiga Sake 85" with stable productivity even in high summer temperatures   | ○Yamaguchi, K. <sup>1</sup> , Y. Tsujimura <sup>1</sup> , T. Yoshida <sup>1</sup> , T. Nishimura <sup>1</sup> , J. Nakagawa <sup>1</sup> , T. Yokoi <sup>1</sup> , S. Mori <sup>1</sup> , S. Shiigi <sup>2</sup> , K. Hino <sup>1</sup> (1.Shiga Pref. Agric. Tech. Prom. Cent., 2.Shiga Pref. Higashiomi Agric. Rural. Develop. Prom.) |
| P007 | Development of Yamada-Nishiki FW2, a sake rice variety possessing early heading and non-shattering property.  | ○Miura, K. <sup>1</sup> , R. ishikawa <sup>1</sup> , A. Hayakawa <sup>1</sup> , M. Iwaki <sup>1</sup> , S. Shiraiwa <sup>1</sup> , K. Yamaguchi <sup>1</sup> , K. Takagi <sup>2</sup> (1.Fac. Biosci. Biotec., FPU, 2.WERC)   |
| P008 | Evaluation of agronomic traits and Identification of the causal gene of a Koshihikari ultra-early heading mutant, "Natsusakari".                          | ☆matsuta, s., k. miura (Fac.Biosci.Biotec.,FPU)   |
| P009 | Evaluation of Drought Resistance in Lao Rice Cultivars  | ☆Makida, E. <sup>1</sup> , A. Kobayashi <sup>1</sup> , K. Maruyama <sup>2</sup> , h. Asai <sup>2</sup> (1.Fukui Agricultural Experiment Station, 2.Japan International Research Center for Agricultural Sciences)   |
| P010 | Genetic analysis for the development of high-protein rice.  | ☆yamauchi, s., r. honda, m. takahashi, k. miura (Fac.Biosci.Biotec.,FPU)  |
| P011 | Characteristics of Yellow hilum Confirmed in the "Tsukui zairai" Native Soybean Variety   | ○Yokota, H. (kanagawa prefectural agricultural reserch institue)  |
| P012 | Ensuring the Continuity of Breeding Research— Interuniversity Bio-Backup Project (IBBP) —   | ○Tsugane, K., A. Kato, N. Matsubayashi, C. Tsuzuki, A. Hamatani, K. Naruse (IBBP Center, National Institute for Basic Biology)  |
| P013 | Evaluation of genetic resources of the genus <i>Coix</i> based on hardness of seed husk   | ○Nakajima, Y. <sup>1,3</sup> , T. Watanabe <sup>2</sup> , H. Hattori <sup>3</sup> , K. Matsui <sup>3</sup> (1.Res. Cent. Adv. Anal., NARO, 2.Inst. Food Res., NARO, 3.Res. Cent. Gen. Res., NARO)   |

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| P014 | Evaluation of landraces in Vietnam with GRAS-Di marker system and agronomical traits to establish core collection   | ☆Bui Quang, D. <sup>1</sup> , L. Dinh Thi <sup>1</sup> , P. Dang Thanh <sup>2</sup> , P. Bui Thi Mai <sup>3</sup> , K. Tanaka <sup>1</sup> , R. Ishikawa <sup>1</sup> , P. Le Thanh <sup>2</sup> (1.Fac. Agri. Life Sci., Hirosaki Univ., 2.Climate Change Institute, An Giang Univ., VNU-HCM, Vietnam, 3.Faculty of Engineering – Technology – Environment, An Giang Univ., VNU-HCM, Vietnam)   |
| P015 | Reassessing rice domestication through gene-level haplogroup analysis   | ☆Yamada, K. <sup>1</sup> , Y. Sato <sup>2</sup> , T. Izawa <sup>1</sup> (1.Grad. Sch. Agric. Life Sci., Univ. Tokyo, 2.National Institute of Genetics)   |
| P016 | Variation in insertion of transposable elements in the 5'UTR of the candidate gene <i>YABBY</i> for Nekoashi (Nekoashi) in foxtail millet                                   | ○Fukunaga, K., R. Nakashima, R. Norimatsu (Fac. Biores. Sci., Pref.U.Hiroshima)  |
| P017 | Evaluation of snow tolerance in wheat standard varieties for developing wheat varieties adapted to Sea of Japan side of Northeast Japan                                     | ○Sasanuma, T. <sup>1,2</sup> , K. Yamada <sup>1</sup> , E. Nagasawa <sup>1</sup> , M. Nobesawa <sup>1</sup> , H. Nagaya <sup>1,2</sup> , I. Sugai <sup>1</sup> , M. Sasaki <sup>1</sup> , R. Ogata <sup>1</sup> , H. Kamata <sup>1</sup> , K. Hatta <sup>3</sup> , H. Aoki <sup>3</sup> , Y. Terasawa <sup>3</sup> , H. Nakamura <sup>3</sup> , A. Matsuoka <sup>4</sup> , A. Nakamaru <sup>4</sup> , H. Ito <sup>4</sup> , S. Ikenaga <sup>4</sup> , A. Nakatsubo <sup>1,2</sup> (1.Fac. Agr., Yamagata Univ., 2.Grad. Sch. Agr., Yamagata Univ., 3.Hokkaido Agr. Res. Cent., NARO, 4.Tohoku Agr. Res. Cent., NARO) |
| P018 | cDNA Sequence Analysis of the <i>SSII</i> Gene Involved in Low-pasting Temperature of Sweet Potato Starch Using 3' RACE Combined with Nanopore Sequencing.                  | ☆Nakahara, T. <sup>1</sup> , M. Tanaka <sup>2</sup> , K. Ushijima <sup>1</sup> , K. Nishimura <sup>1</sup> , H. Nishida <sup>1</sup> , K. Kato <sup>1</sup> , Y. Monden <sup>1</sup> (1.Grad. Sch. Environ. Life Sci. Tech., Okayama U., 2.KARC/NARO)  |
| P019 | Genome sequence of a durum wheat cultivar 'Langdon' in the NBRP-Wheat project   | ☆Ohta, A., K. Yoshida, M. Khezri, T. Sakai, M. Nitta, S. Nasuda, R. Terauchi (Graduate School of Agriculture, Kyoto University)  |
| P020 | Development of a new DNA marker for selecting the null allele of the <i>Ppo-D1</i> gene in Wheat  | ☆Nakamaru, A. <sup>1</sup> , T. Nakamura <sup>3</sup> , K. Kato <sup>2</sup> , S. Ikenaga <sup>1</sup> , K. Hatakeyama <sup>3</sup> (1.Tohoku Agricultural Research Center, NARO, 2.Western Region Agricultural Research Center, NARO, 3.Faculty of Agriculture, Univ. Iwate)  |
| P021 | Development and evaluation of novel DNA markers for identifying "Alowa"-derived late blight resistance  | ☆Nakajima, H., K. Akai (Hokkaido Agricultural Research Center, NARO)   |
| P022 | Comprehensive analysis of heading date genes in rice flour lines and study of genotype combinations suitable for cultivation in northern Tohoku region                      | ○OHMORI, S. <sup>1</sup> , S. KANDA <sup>2</sup> , W. SUNAGA <sup>2</sup> , N. KITAZAWA <sup>1</sup> , S. TANIGUCHI <sup>1</sup> , Y. TANIGUCHI <sup>1</sup> , J. TANAKA <sup>1</sup> (1.Crop Sci., NARO, 2.Aomori Pref. Indust. Tech. Res. Cent. Agric. Res. Inst.)   |
| P023 | Loss-of-function mutations in the rice hybrid weakness genes <i>HWA1</i> and <i>HWA2</i> induced by ion beam irradiation and genetic analysis based on DNA marker genotypes | ☆Sakamoto, T. <sup>1</sup> , M. Onoue <sup>2</sup> , T. Futagami <sup>3</sup> , M. Yamamoto <sup>3</sup> , K. Shimizu <sup>3</sup> , R. Yoshida <sup>3</sup> , K. Shimizu <sup>3</sup> , H. Sakai <sup>4</sup> , T. Kuboyama <sup>5</sup> , R. Ishikawa <sup>6</sup> , K. Ichitani <sup>3</sup> (1.Grad. Sch. Agr. Forest. Fish., Kagoshima U., 2.CASRaP, Kagoshima U., 3.Fac. Agr., Kagoshima U., 4.Research Center for Advanced Analysis, NARO, 5.Col. Agr. Ibaraki U., 6.Fac. Agr. and Life Sci., Hirosaki U.)  |
| P024 | Development of InDel markers for efficient interspecific and intraspecific identification within genus <i>Chrysanthemum</i>   | ☆Fujisaki, E., Y. Matsuda, Y. Masuda (Grad. Sch. Agri., Tokai. Univ)   |

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| P025 | Identification and validation of QTLs controlling shoot regeneration ability in azuki bean tissue culture               | ☆Nguyen, T. <sup>1</sup> , M. Toili <sup>2</sup> , R. Aurélie <sup>3</sup> , Y. Tokuji <sup>1</sup> , M. Mori <sup>1</sup> (1.Obihiro Univ. Agr. Vet. Med., 2.Jomo Kenyatta Univ. Agr. Tec., 3.UW-Madison)  |
| P026 | QTL analysis of acid soil tolerance using barley mini-core collection   | ☆Kokubo, H. <sup>1</sup> , K. Yamamori <sup>2</sup> , H. Hisano <sup>2</sup> (1.Grad. Sch. Environ. Life Nat. Sci., Okayama U., 2.IPSR, Okayama U.)   |
| P027 | Identification of QTLs and development of DNA markers for strawberry flesh color using Polyploid QTL-seq                | ○Asano, Y. <sup>1</sup> , H. Yamakawa <sup>2</sup> , T. Mizubayashi <sup>2</sup> , N. Uwatoko <sup>2</sup> , S. Mochizuki <sup>1</sup> , Y. Terada <sup>1</sup> (1.Shizuoka Pref. Res. Inst. Agri. Forest., 2.Institute of Crop Science, NARO)                      |
| P028 | Genetic analysis of cyanidin ratio of anthocyanins in sweetpotato storage roots   | ○Tanaka, M., K. Suematsu, R. Kurata, T. Sakaigaichi (Kyushu Okinawa Agr. Res. Cent., NARO)  |
| P029 | Evaluation of Myanmar Rice Cultivars for Heat Stress Resistance   | ☆Thant, T., T. Furuta (IPSR, Okayama Univ.)   |
| P030 | Detection of qualitative trait loci (QTL) for seed-storage protein content derived from genetic resources in rice.      | ☆Kase, R. <sup>1</sup> , T. Ando <sup>2</sup> , K. Ebana <sup>3</sup> , K. Naito <sup>1,3</sup> , K. Hori <sup>1,2</sup> (1.Grad.Sch.Frontier.,Univ.Tokyo, 2.Inst. Crop Sci., NARO, 3.Res. Cent. Genet. Resources, NARO)  |
| P031 | Effect of <i>Vernalization-A1</i> region on plant architecture in early growth stage and its allelic variation in wheat | ☆Inoshita, K., K. Onishi (Obihiro U. Agric. & Vet. Med.)  |
| P032 | Genome-wide association study considering the effect of ripening temperature on grain chalkiness in rice                | ☆Fujii, E. <sup>1</sup> , E. Yamamoto <sup>1</sup> , Y. Kawahara <sup>2</sup> , K. Sugimoto <sup>1</sup> , K. Hori <sup>1</sup> (1.Inst. Crop Sci., NARO, 2.Res. Cent. Adv. Anal., NARO)  |
| P033 | Breaking a Linkage between Tolerance to Kernel Cracking and Long Awns in “Chugoku PL2”                                  | ☆Kitasaki, S. <sup>1</sup> , K. Nakagomi <sup>2</sup> , K. Murata <sup>1</sup> (1.Toyama Prefectural Agricultural, Forestry and Fisheries Research Center, 2.Central Agricultural Research Center, National Agriculture and Food Research Organization)             |
| P034 | Gene mining in wild soybean based on <i>de novo</i> assembly of unmapped reads  | ○Dwiyanti, M. <sup>1</sup> , E. Nishimura Carmo <sup>2</sup> (1.Research Faculty of Agriculture, Hokkaido University, 2.University of São Paulo)  |
| P035 | Analysis of D50 protein involved in plant height regulation under high temperature conditions in rice                   | ☆Kaburagi, T., S. Nakamura, A. Shinozawa, K. Izawa (Grad. Sch. Bio., Univ. TokyoNodai)  |
| P036 | Compound leaf development in white clover ( <i>Trifolium repens</i> L.) via UFO(UNUSUAL FLIRAL ORGANS)                  | ☆Iwasaki, K., Y. Saitoh (Fac.Agr.,Univ.Iwate)   |
| P037 | Effects of a <i>phyA</i> mutation on an indica cultivar, ‘Hokuriku-193’   | ○Itoh, H. <sup>1</sup> , D. Ogawa <sup>1</sup> , U. Yamanouchi <sup>1</sup> , K. Wada <sup>2</sup> , T. Ando <sup>1</sup> , A. Shomura <sup>1</sup> , Y. Mukai <sup>1</sup> , A. Fukuda <sup>1</sup> (1.Inst. Crop Sci., NARO, 2.Res. Cen. Agri. Info. Tech., NARO) |

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| P038 | Development of a method for early evaluation of mutation frequency as a basis for improving wheat genome editing   | ☆Kanda, Y. <sup>1</sup> , K. Takagi <sup>1</sup> , F. Abe <sup>2</sup> , M. Kishi-Kaboshi <sup>1</sup> , K. Sato <sup>1</sup> (1.Kazusa DNA Research Inst., 2.Inst. Agrobiological Sci., NARO)   |
| P039 | 16S rRNA Analysis of Rhizosphere Bacterial Communities in <i>bas1</i> mutant soybean   | ☆Asa, H. <sup>1</sup> , K. Matsumoto <sup>2</sup> , R. Shigeta <sup>2</sup> , K. Fujii <sup>2</sup> , T. Yamamoto <sup>2</sup> , Y. Masuda <sup>2</sup> , T. Yamada <sup>1</sup> (1.Grad. Sch. Agric., Hokkaido Univ., 2.Kanematsu Corp.)  |
| P040 | Simplification of Organelle Genome Editing in <i>Arabidopsis thaliana</i> Using the Self-Cleaving Peptide P2A  | ☆Fujita, M. <sup>1</sup> , R. Nakajima <sup>2</sup> , H. Sugimoto <sup>2</sup> , N. Kosaka <sup>2</sup> , Y. Tamura <sup>2</sup> , R. Masuda <sup>2</sup> , S. Arimura <sup>2</sup> , I. Nakazato <sup>2</sup> (1.Fac. Agri., Univ. Tokyo, 2.Grad. Sch. Agri. Life Sci., Univ. Tokyo)                      |
| P041 | Evaluation of <i>TaGAD3-1</i> genome-edited lines using multiple gRNAs   | ☆Morishima, M., H. Murayama, Y. Kamiya, K. Kawaura (KIBR, Yokohama City U.)  |
| P042 | DNA mutations in the <i>PDS</i> gene region induced by genome editing using particle bombardment and somatic embryogenesis in tea plant ( <i>Camellia sinensis</i> ) | ○Furukawa, K. <sup>1</sup> , M. Endo <sup>1</sup> , S. Yahashi <sup>1,5</sup> , Y. Inaba <sup>2,3</sup> , C. Aoshima <sup>2,4</sup> (1.KOSEN, Numazu college, 2.KOSEN, Numazu college, Advanced course, 3.Grad. Sch. Bioagr. Sci., Nagoya U, 4.Shizuoka Pref. Tea research cen., 5.Nagaoka Univ. of Tech.) |
| P043 | Genetic mapping and functional analysis of <i>glup7</i> involved in proglutelin intracellular transport in rice endosperm  | ☆Ammar, E. <sup>1,2</sup> , M. Fukuda <sup>2</sup> , T. Kubo <sup>2</sup> , T. Kumamaru <sup>2</sup> (1.Graduate School of Agricultural and Life Sciences, The University of Tokyo, 2.Faculty of Agriculture, Kyushu University)   |
| P044 | Male sterility and fertility-restoring genes in wheat with <i>Aegilops mutica</i> cytoplasm  | ☆Ohmori, N. <sup>1</sup> , M. Tsujimura <sup>2</sup> , S. Arimura <sup>3</sup> , S. Takenaka <sup>2</sup> (1.Grad. Sch. Agri. Ryukoku Univ., 2.Fac. Agri. Ryukoku Univ., 3.Grad. Sch. Agr. Life Sci., Univ. Tokyo)   |
| P045 | In silico prediction of candidate protein-protein interactions in rice gene pairs using AlphaFold2   | ☆MU, H., T. Furuta, T. Yamamoto (IPSR, Okayama Univ.)  |
| P046 | glmmDMRs: a mixed-effects framework for reproducible DMR detection across replicates   | ☆Daito, Y., M. Uechi, T. Kinoshita, K. Tonosaki (KIBR, Yokohama City Univ.)  |
| P047 | Comprehensive LC-MS/MS platform for phytohormone quantification and research support   | ☆Kojima, M. <sup>1</sup> , Y. Takebayashi <sup>1</sup> , M. Okamoto <sup>1</sup> , M. Hirai Yokota <sup>1</sup> , H. Sakakibara <sup>1,2</sup> (1.RIKEN CSRS, 2.Grad. Sch. BioagriSci., Nagoya Univ.)  |
| P048 | Effect of a wheat leaf rust resistant gene <i>Lr34</i> on agronomic traits in winter wheat in Hokkaido breeding program  | ☆Doman, K. <sup>1</sup> , S. Ohnishi <sup>2</sup> , T. Sonoda <sup>2</sup> (1.Central AES, HRO, 2.Kitami AES, HRO)   |
| P049 | GWAS analysis of field resistance to brown spot disease using rice core collections  | ○Sato, H. <sup>1</sup> , T. Mizubayashi <sup>1</sup> , Y. Kawahara <sup>2</sup> , N. Uwatoko <sup>1</sup> (1.Inst. Crop Sci., NARO, 2.Advanced Analysis Center, NARO)  |
| P050 | Novel QTLs for resistance to <i>Aphanomyces</i> root rot in sugar beet.  | ○Matsuhira, H., T. Narihiro, Y. Kuroda (Hokkaido Agri. Res. Cent., NARO)   |

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| P051 | Functional analysis of sweet potato genes in response to <i>Meloidogyne incognita</i> infection   | ○SUWA, N. <sup>1</sup> , T. KOHYAMA <sup>1</sup> , M. OTANI <sup>2</sup> , E. ASAMIZU <sup>1</sup> (1.Grad. Sch. Agric, Ryukoku Univ., 2.Inst. Bioresour. Eng. Res. Inst., Ishikawa Pref. Univ.)   |
| P052 | Isolation of the <i>RKNR2</i> gene for resistance to the sweet potato root-knot nematode in rice  | ○Sunohara, H. <sup>1,2</sup> , S. Sawa <sup>1</sup> (1.FAST, Kumamoto Univ., 2.ECC Co., Ltd.)  |
| P053 | Analysis of occurrence factors for internal browning by drought condition in sweet potato   | ○Maeda, S. <sup>1</sup> , N. Yokotani <sup>2</sup> , R. Yamazaki <sup>1</sup> , T. Ohashi <sup>1</sup> (1.Agricultural Research Institute, Ibaraki Agriculture Center, 2.Kazusa DNA Research Institute)  |
| P054 | Multiple year test of high tolerant rice and identification of candidate regions of involving genes   | ☆Odo, I., L. Dinh Thi, R. Ishikawa (Fac. Agri. Life Sci., Hirosaki Univ.)  |
| P055 | Evaluation of chilling tolerance in Hokkaido rice varieties and detection of quantitative trait loci for chilling tolerance after acclimation | ○Sagehashi, Y. (Inst. Agrobiol. Sci., NARO)  |
| P056 | Comparative analysis of agronomic traits and hormone profiles in wheat NAM parents under wet, mild drought, and heat-drought stress           | BOLDEN, S. <sup>1,2</sup> , S. Miyashita <sup>1,2</sup> , Y. WENG <sup>1</sup> , S. Katagiri <sup>1</sup> , M. Kojima <sup>1</sup> , A. Waisuddin <sup>2</sup> , K. Kawaura <sup>2</sup> , I. Takayoshi <sup>3</sup> , ○M. Okamoto <sup>1,2</sup> (1.RIKEN CSRS, 2.KIBR, YCU, 3.ALRC, Tottori Univ.)   |
| P057 | Evaluation of Drought Tolerance in Wheat Mutant Defective in Abscisic Acid-Inactivating Enzyme  | ○Bolden, S. <sup>1,2</sup> , S. Katagiri <sup>1</sup> , Y. Weng <sup>1</sup> , Y. Kanno <sup>1</sup> , Y. Tatebayashi <sup>1</sup> , T. Ishii <sup>3</sup> , M. Chono <sup>4</sup> , M. Okamoto <sup>1,2</sup> (1.RIKEN-CSRS, 2.Yokohama City Univ, 3.ALRC Tottori Univ, 4.NARO)   |
| P058 | Physiological Mechanisms of Heat Tolerance in Panax ginseng Cultivars: Focusing on Photosynthetic Efficiency and Stomatal Characteristics     | ○Hong, J., S. Kim, J. Lee, J. Ha, I. Jang, J. Kim (Rural Development Administration)   |
| P059 | QTL analysis for root thickness, root length and root weight in rice seedlings  | ☆Fujimura, K. <sup>1</sup> , s. Ohmori <sup>2</sup> , A. Shomura <sup>2</sup> , Y. Mukai <sup>2</sup> (1.Tohoku Agricultural Research Center, NARO, 2.Institute of Crop Science, NARO)   |
| P060 | Genetic analysis of biomass production capacity during ripening period of rice  | ☆Kasahara, M. <sup>1</sup> , M. Kano-Nakata <sup>2</sup> , D. Makihara <sup>2</sup> , S. Nishiuchi <sup>1</sup> , K. Doi <sup>1</sup> (1.Grad. Sch. Bioagri. Sci., Nagoya U., 2.ICREA, Nagoya U.)  |
| P061 | Genetic analysis of agricultural traits using recombinant inbred lines derived from two rice cultivars: Akidawara and Tachiharuka             | ☆Yoshitsugu, O. <sup>1</sup> , T. Sakamoto <sup>2</sup> , Y. Taniguchi <sup>2</sup> , U. Yamanouchi <sup>2</sup> , S. Taniguchi <sup>2</sup> , H. Fukuda <sup>2</sup> , T. Nishimura <sup>1</sup> , D. Ogawa <sup>2</sup> (1.Nagaoka University of Technology, 2.NARO)   |
| P062 | Identification of QTL controlling fruit sugar content derived from tomato cultivar "Ringyoku" and verification on commercial cultivars        | ○Ueno, H. <sup>1</sup> , Y. Kakei <sup>1</sup> , H. Takahashi <sup>2</sup> , T. Suzuki <sup>3</sup> , H. Matsunaga <sup>1</sup> , A. Ando <sup>4</sup> , S. Imanishi <sup>1</sup> , K. Nagasuga <sup>1</sup> (1.Inst. Veg. Flori. Sci., NARO, 2.Grad. Sch. Bioagri. Sci., Nagoya Univ., 3.Col. Biosci. Biotech., Chubu Univ., 4.Food Health Sci., Aichi Shukutoku Univ.) |
| P063 | Quality improvement of the large-grain Koshihikari mutant 'Pikatsunta'.   | ☆Hashiba, S. <sup>1</sup> , M. Hatasita <sup>2</sup> , K. Takagi <sup>2</sup> , K. Miura <sup>1</sup> (1.Fac.Biosci.Biotec.,FPU, 2.WERC)   |

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| P064 | Roles of TAB1 and ASP1 in the initial process of tiller formation in rice  | ☆Ohyama, A. <sup>1</sup> , T. Toriba <sup>2</sup> , M. Sato <sup>3</sup> , H. Tsuji <sup>3,4</sup> , W. Tanaka <sup>1</sup> (1.Grad. Sch. Integr. Sci. Life, Hiroshima Univ., 2.Miyagi Univ., 3.Kihara Inst. Biol. Res., Yokohama City Univ., 4.Biosci. Biotechnol. Center, Nagoya Univ.)  |
| P065 | A novel role of strigolactones in tiller formation in rice   | Aimori, S. <sup>1</sup> , A. Ohyama <sup>1</sup> , T. Toriba <sup>2</sup> , W. Tanaka <sup>1</sup> (1.Grad. Sch. Integr. Sci. Life, Hiroshima Univ., 2.Miyagi Univ.)   |
| P066 | Identification of a novel factor that suppresses the tiller defect in the rice <i>tab1</i> mutant  | ☆Ikeda, M., A. Ohyama, J. Tominaga, W. Tanaka (Grad. Sch. Integr. Sci. Life, Hiroshima Univ.,)   |
| P067 | LMD and RNA-Seq-based identification of aerenchyma and rib tissue-specific genes in rice   | ☆Zhang, Y. <sup>1</sup> , T. Tezuka <sup>2</sup> , M. Miya <sup>3</sup> , Y. Sato <sup>3</sup> , J. Itoh <sup>1</sup> (1.The University of Tokyo, 2.Iwate University, 3.National Institute of Genetics)  |
| P068 | Induction of secondary somatic embryogenesis in tea plant through transcriptional and hormonal responses to hormone-stress relief.             | ☆MIKAMI, K. <sup>1</sup> , S. HIRATA <sup>1,2</sup> , H. YAMASHITA <sup>3</sup> , T. IKKA <sup>3</sup> , M. KOJIMA <sup>4</sup> , H. SAKAKIBARA <sup>4,6</sup> , S. KOSHIMIZU <sup>5</sup> , M. ARITA <sup>5</sup> , K. FURUKAWA <sup>1</sup> (1.KOSEN, Numazu college, 2.Grad. Sch. Agr. Life Sci., Univ. Tokyo, 3.Grad. Sch. Integrated Sci. and Tech., Shizuoka Univ., 4.RIKEN CSRS, 5.NIG, 6.Grad. Sch. Bioagr. Sci., Nagoya Univ.)  |
| P069 | Effects of Gibberellin Treatment on Seed dehiscence, Germination, and Subsequent Growth of <i>Panax ginseng</i> and <i>Panax quinquefolius</i> | ○Ha, J., J. Kim, J. Lee, J. Hong, S. Kim, K. Ma (Department of Herbal Crop Research, National Institute of Horticultural and Herbal Science, RDA)  |
| P070 | Analysis of circadian and floral regulation networks in spinach using an integrative approach of QTL and co-expression data                    | Yamano, Y. <sup>1</sup> , Y. Sota <sup>1</sup> , K. Higuchi <sup>2</sup> , B. Pachakkil <sup>3</sup> , K. Tanaka <sup>4,5</sup> , S. Isobe <sup>6</sup> , K. Shirasawa <sup>7</sup> , H. Hirakawa <sup>8</sup> , ○Y. Onodera <sup>9</sup> (1.Grad. Sch. Agr., Hokkaido Univ., 2.Sch. Agr., Hokkaido Univ., 3.Dep. Int. Agr. Dev., Fac. Int. Agr. Food Studies, Tokyo Univ. Agr., 4.NGRC, Tokyo Univ. Agr., 5.Dep. Info., Tokyo Univ. Info. Sci., 6.Grad. Sch. Agr. Life Sci., Tokyo Univ., 7.Kazusa DNA Res. Inst., 8.Grad. Sch. Biores. Bioenv. Sci., Kyushu Univ., 9.Res. Fac. Agr., Hokkaido Univ.) |
| P071 | Detection of QTLs for late flowering on chromosomes 3 and 9 in the African-derived Japanese morning glory line Q63                             | ☆Mashiko, Y., T. Kuboyama, N. Funakawa (Grad. Sch. Agr., Ibaraki U.)   |
| P072 | Analysis of gene expression regulatory mechanisms and heat tolerance in parthenocarpic tomato mutants toward practical application             | ☆Nomura, Y. <sup>1</sup> , K. Ezura <sup>1</sup> , Y. Okabe <sup>1</sup> , H. Suzuki <sup>2</sup> , R. Yano <sup>3</sup> , K. Shirasawa <sup>4</sup> , H. Ezura <sup>1,5</sup> , T. Ariizumi <sup>1,5</sup> (1.Fac. Life Environ Sci., Univ. Tsukuba, 2.Grad. Sch. Life Environ Sci., Univ. Tsukuba, 3.Advanced Analysis Center., NARO, 4.Kazusa DNA Research Institute, 5.T-PIRC., Univ. Tsukuba)   |
| P073 | The juvenile-to-adult phase transition in wheat is independent of the control of the winter-spring growth habit by <i>VRN1</i> gene            | ☆Senoo, K., T. Yoshikawa, S. Nasuda (Grad. Sch. Agric., Kyoto Univ.)   |

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| P074 | Changes in the juvenile-to-adult phase transition associated with domestication in tetraploid wheat  | ☆Murakami, I. <sup>1</sup> , K. Senoo <sup>2</sup> , T. Yoshikawa <sup>2</sup> , S. Nasuda <sup>2</sup><br>(1.Fac. Agric., Kyoto Univ., 2.Grad. Sch. Agric., Kyoto Univ.)   |
| P075 | Possible suppression of seed productivity enhancement by ethephon treatment in petunia petals due to respiration inhibition linked to ethylene biosynthesis        | ☆KUROKAWA, M., T. YAMADA (Grad. Sch. Agr., Tokyo U. Agr. Tec.)  |
| P076 | Origin of <i>Hla1-1</i> , a causal gene for hybrid lethality, in <i>Nicotiana</i> section <i>Suaveolentes</i>  | ☆Tokoro, A. <sup>1</sup> , S. Nagai <sup>1,2</sup> , M. Mino <sup>1</sup> , Y. Tanaka <sup>3</sup> , K. Shiragaki <sup>1</sup> , S. Yokoi <sup>1,4</sup> , T. Tezuka <sup>1,4</sup> (1.Grad. Sch. Agr., Osaka Metro. Univ., 2.Res. Inst. Env. Agr. Fish., Osaka Pref., 3.Wakasa Wan Energy Res. Cent., 4.Educ. Res. Field., Sch. Agr., Osaka Metro. Univ.)  |
| P077 | Stage-Specific and Direction-Dependent Reproductive Barriers in Wild <i>Cucumis</i> Species  | ○Matsumoto, Y. <sup>1</sup> , M. Shimoda <sup>2</sup> , M. Yamaga <sup>2</sup> (1.Cent. Biores., Saga Univ., 2.Grad. Sch. Agr., Saga Univ.)   |
| P078 | Transcriptome analysis of overcoming and temperature-sensitive suppression of hybrid lethality in <i>Nicotiana amplexicaulis</i> × <i>N. tabacum</i> using RNA-Seq | ○Nagai, S. <sup>1,2</sup> , K. Matsumoto <sup>3</sup> , K. Kobayashi <sup>1</sup> , K. Nakata <sup>4</sup> , T. Yamada <sup>4</sup> , K. Shiragaki <sup>1,5</sup> , S. Yokoi <sup>1,5</sup> , T. Tezuka <sup>1,5</sup> (1.Grad. Sch. Agr., Osaka Metro. Univ., 2.Res. Inst. Env. Agr. Fish., Osaka Pref., 3.Sch. Life Environ. Sci., Osaka Pref. Univ., 4.United Grad. Sch. Agr. Sci., Tokyo Univ. Agr. Tech., 5.Educ. Res. Field, Sch. Agr., Osaka Metro. Univ.) |
| P079 | Roles of fusion of male and female nuclei in development of rice zygotes and embryos   | ☆Toda, E., J. Itoh, T. Izawa (Grad. Sch. Agric. Life Sci., Univ. Tokyo)   |
| P080 | Frequency of male sterility inducing mitochondria in wild beet ( <i>Beta vulgaris</i> )  | Murata, T. <sup>1</sup> , H. Kagami-Katsuyama <sup>2</sup> , M. Oishi <sup>1</sup> , H. Tanaka <sup>1</sup> , C. Sano <sup>1</sup> , J. Kashikura <sup>1</sup> , R. Hayakawa <sup>1</sup> , K. Kubota <sup>1</sup> , E. Taniguchi <sup>1</sup> , K. Suzuki <sup>1</sup> , K. Kitazaki <sup>1</sup> , ○T. Kubo <sup>1</sup> (1.Res. Fac. Agr., Hokkaido Univ., 2.Health Info. Sci. Center, Hokkaido Info. Univ.)   |