21 March (9:00-11:45) Oral Presentation Program

Time	No.	Chair: Kengo Sakurai (Univ. Tokyo)	No.	Chair: Kanako Kawaura (Yokohama City Univ.)	No.	Chair: Hidenori Sassa (Chiba Univ.)	No.	Chair: Katsunori Hatakeyama (Iwate Univ.)	No.	Chair: Kiyosumi Hori (NARO)	Time
9:00	101	Does genomic selection work in a potato breeding program? 〇Sato, K.1, Y. Ishikawa1, T. Wazaki1, N. Ashikaga2, K. Shirasawa3, H. Shinada1, N. Yamaguchi4 (1.Kitami Agri. Exp. Stn., HRO, 2.Tokachi Agri. Exp. Stn., HRO, 3.Kazusa DNA Res. Inst., 4.Central Agri. Exp. Stn., HRO)	201	Stepwise control of quantitative agronomic traits by editing gene copy number ☆Nomura, C.1, H. Kanzaki1, E. Kanzaki1, M. Shimizu1, K. Oikawa1, H. Utsushi1, K. Ito1, Y. Sugimura1, R. Terauchi1,2, A. Abe1 (1.IBRC, 2.Grad. Sch. Agr., Kyoto Univ.)	301	A simple S-haplotype typing method in Brassica species using tailed specific primers 〇Kitashiba, H., A. Tian, X. Zhu, M. Yamashita, M. Yamamoto (Grad. Sch. Agr. Sci., Tohoku Univ.)	401	Optimization of tissue culture conditions and development of mutant lines of ripgut brome and Johnson grass toward de novo domestication Morii, K.1, 〇T. Ohsako2 (1.Fac. Life Env. Sci., Kyoto Pref Univ., 2.Grad. Sch. Life Env. Sci., Kyoto Pref Univ.)	501	Effects of only one remaining major starch synthase (SS) on amylopectin structure in rice mutants. 〇Miura, S.1,2, N. Crofts3, Y. Hosaka1, N. Oitome1, N. Fujita1,2 (1.Facult. Biores. Sci., Akita Pref. Univ., 2.Starch Tecnologies Co., LTD, 3.Dept. Chem. Biol. Engin., Natl. Inst. Technol., Akita College)	9:00
9:15	102	Quantification of citrus fruit shape using geometric morphometrics and its application to genomics-assisted breeding ☆Yanagi, S.1, K. Nonaka2, T. Shimizu2, K. Noshita3, K. Hamazaki4, C. Sato1, K. Hironaga1, M. Minamikawa5 (1.Grad. Sch. Hort., Chiba Univ., 2.NIFTS, NARO, 3.Fac. Sci., Kyushu Univ., 4.Adv. Int. Proj., RIKEN, 5.IAAR, Chiba Univ.)	202	Development of a New Transposon Detection Method Using Next-Generation Sequencing 〇Miyao, A. (Strategic Planning Headquarters, NARO)	302	Analysis of the effect of AISRKb mutations on self-incompatibility at high temperatures. Yokosawa, S., H. Kitashiba, 〇M. Yamamoto (Grad. Sch. Agri. Sci., Tohoku Univ.)	402	Evaluation of Pollen Fertility Based on Morphological Characteristics in Wasabi ☆Higuchi, A., K. Yamane (Fac. Appl. Biol. Sci. Gifu Univ.)	502	The roles of two amylose synthase enzymes (GBSSs) in rice ☆Oda, S.1, S. Miura1,2, R. Morita3, N. Crofts4, I. Hanashiro5, N. Fujita1,2 (1.Grad. Sch. Biores. Sci., Akita Pref. Univ., 2.Starch Technologies Co. Ltd., 3.Crop Sci. Agri. Life Sci., Tokyo Univ., 4.Dept. Chem. Biol. Engin., Natl. Inst. Technol., Akita College, 5.Bio. Sci. Technol. United Grad. Sch. Agri. Sci., Kagoshima Univ.)	9:15
9:30	103	Knowledge-guided Bayesian optimization using pre-trained LLMs speeds up the identification of superior genotypes ☆Hamazaki, K.1, K. Tsuda1,2 (1.Adv. Int. Pro., RIKEN, 2.Grad. Sch. Fro. Sci., Univ. Tokyo)	203	Analysis of Citrus unshiu mutants using high-quality short-read sequencing technologies 〇Shirasawa, K.1, T. Endo2, Y. Kawahara2, T. Shimada2, H. Fujii3, S. Isobe4 (1.Kazusa DNA Res. Inst., 2.NARO, 3.Shizuoka U., 4.U. Tokyo)	303	Analysis of Self-Incompatibility Dominance Phenotypes and BrSRK48 Splicing Variants in Brassica rapa S-48 ☆Chen, J., H. Kitashiba, M. Yamamoto (Grad. Sch. Agric. Sci., Tohoku Univ)	403	Current Status of Self-seed harvesting of Local Turnip Varieties in Nagano Prefecture ☆Kohara, R.1, K. Matsushima2, K. Nemoto2 (1.Grad. Sch. Sci and Tec., Univ. Shinshu, 2.Inst. Agric. Acad. Assy. Fac., Univ. Shinshu)	503	The effect of a high-temperature tolerance gene Apq1 on the growth and grain quality of rice in Hokkaido. ☆Morita, K.1, M. Kasuya1, S. Adegawa2, C. Souma2, K. Horikawa1, M. Kinoshita1, H. Ozaki1 (1.Kamikawa A. E. S., HRO, 2.Central A. E. S., HRO)	9:30
				Chair: Yusuke Kazama (Fukui Pref. Univ.)		Chair: Takanori Yoshikawa (Kyoto Univ.)					
9:45	104	Development and evaluation of genomic prediction models for selection in rice breeding populations ☆Suzuki, N.1, E. Yamamoto1, S. Taniguchi1, K. Matsushita1, T. Ikegaya1, M. Kuroki1, H. Kajiya-Kanegae1,2, A. Goto1 (1.Inst. Crop Sci., NARO, 2.Res. Cent. Agric. Info. Tech., NARO)	204	Mutation spectrum induced by a 184 keV/μm argon ion beam causing large-scale mutations ☆Ishii, K.1,2, S. Ohbu2, Y. Shirakawa2, T. Ikeda2, T. Abe2, Y. Matsuya3,4, T. Kai4 (1.NIRS, QST, 2.RIKEN Nishina Cent., 3.Fac. Health Sci., Hokkaido Univ., 4.NSEC, JAEA)	304	Genetic Analysis of Callus Induction Variation in Nipponbare and Kasalath CSSLines in Relation to Anther Browning Observed in Parental Rice Lines ☆NACHILIMA, C.1, M. Xu1, Y. Konno1, N. Kudo1, K. Takashima1, K. Miyamoto1, S. Sasagawa1, Y. Tokuyama1, Y. Okamoto2, Y. Kishima1 (1.Hokkaido University, 2.Rakuno Gakuen University)	404	Breeding of Miyazaki's original vegetable "ITOMAKI DAIKON" using mass selection method ~Official variety registration of new variety "NANKYU WHITE No.2 GO"~ 〇Chen, L.1,2, k. Kumamoto1, Y. Tanaka2, Y. Nakahata2, j. Haze2, y. Okura1, t. Ochi1, s. Sugiura1 (1.Grad. Sch. Hort. & Food Sci., Minami Kyushu U., 2.Fac. Envir. Hort. Sci., Minami Kyushu U.)	504	The known semi-dwarf gene Rht24b allele contributed to reducing plant height in the bread wheat breeding lines in Hokkaido. ☆Saitoh, R.1, C. Souma2, S. Adegawa2, K. Shirasawa3, K. Hayashi1, S. Ohnishi1 (1.Hokkaido Research Organization Kitami Agricultural Experiment Station, 2.Hokkaido Research Organization Central Agricultural Experiment Station, 3.Kazusa DNA Research Institute)	9:45

Time	No.	Room 1	No.	Room 2	No.	Room 3	No.	Room 4	No.	Room 5	Time
		Chair: Yoshiyuki Yamagata (Kyushu Univ.)						**Chair: Masanori Yamasaki (Niigata Univ.)**		**Chair: Tetsuya Yamada (NARO)**	
10:00	105	Genome analysis of ancient rice DNA of Yayoi period 〇Ota, T.1, R. Ishikawa2, T. Hamada3, Y. Terai1, H. Nasu4 (1.RCIES, SOKENDAI, 2.Grad. Sch. Agr. Sci., Kobe U., 3.RIDS, Okayama Univ., 4.Ctr. Fund. Edu., Okayama Univ. Sci.)	205	Resistance of the mutant gene induced in rice by ion beam against multiple Xanthomonas oryzae pv. oryzae ☆Ellewala, E.1, V. Wijesinghe2, Y. Maeda2, R. Takahashi3, S. Taura4, K. Ichitani5 (1.Uni. Grad. Sch. Agr., Kagoshima U., 2.Grad. Sch. Agr. Forest. Fish., Kagoshima U., 3.Takii & CO., LTD, 4.Prof. emeritus, Kagoshima U., 5.Fac. Agr., Kagoshima U.)	305	Identification of genetic factors involved in occurrence of albino plants in rice anther culture ☆Miyamoto, K.1, E. G Balimponya1, K. Takashima1, C. Nachilima1, Y. Konno1, N. Kudo1, Y. Tokuyama1, Y. Okamoto2, Y. Kishima1 (1.Graduate School of Agriculture., Hokkaido University, 2.Rakuno Gakuen University)	405	Towards generation of new rice cultivars circumvent structural changes of starch under high-ripening temperature. I. Comparison of different cultivation areas. 〇Fujita, N.1,2, R. Matsushima3, N. Oitome1, S. Miura1,2, N. Crofts4, T. Yamamoto3 (1.Facult. Biores. Sci., Akita Pref. Univ., 2.Starch Technologies Co. Ltd., 3.Inst. Plant Sci. Res., Okayama Univ., 4.Dept. Chem. Biol. Engin., Natl. Inst. Technol., Akita College)	505	Can the degree of Green stem disorder be controlled through cultivation methods in soybeans? 〇SEKI, K., T. KODAIRA (Veg. & Orn. Exp. Stn.)	10:00
10:15	106	Ongoing genome evolution of Japanese rice in modern breeding context; impact of cv. Koshihikari. Akagi, T.1,2, 〇A. Kobayashi3, D. Saisho4, H. Yoshida5, M. Matsuoka5 (1.Nihon BioData Co., Ltd., 2.RIKEN-AIP, 3.Fukui Agri. Exp. Stn., 4.IPSR, Okayama Univ., 5.IFeS, Fukushima Univ.)	206	Evaluation of Tree Characteristics and Genome-Wide Association Study in Acerola Seedlings 〇Haramoto, N.1, M. Minamikawa2, K. Shirasawa3, S. Kimura1, A. Kimura4, A. Hama4, R. Mizuguchi1, T. Nomura5, S. Kammera5, M. Yamamoto5, Y. Nishizawa5, K. Ozaki5, K. Hisanaga5, S. Toida4, T. Hanamura1, H. Aoki1 (1.Nichirei Foods Inc., 2.IAAR, Chiba Univ., 3.Kazusa DNA Res. Inst., 4.Grad. Sch. Hort., Chiba Univ., 5.Fac. Agri., Kagoshima Univ.)	306	Identification of a locus involved in callus formation located on the long arm of barley chromosome 2H 〇Hisano, H., N. Yamaji, H. Munemori, K. Yamamori (IPSR, Okayama U.)	406	'Kitami 95' : A new wheat cultivar for confectionery use 〇Sonoda, T.1, S. Ohnishi1, H. Kiuchi1, N. Ashikaga1, K. Morita1, K. Hayashi1, H. Jinno1, M. Kasuya2, Y. Yoshimura3, M. Sato4, S. Kobayashi5, T. Nishimura4, M. Kurushima2, S. Hiura6, T. Inoue4, T. Suzuki4, C. Souma4, R. Ogura1, K. Senda4, K. Takeuchi4, A. Sugawara5, T. Todai5 (1.Kitami AES., HRO., 2.Kamikawa AES., HRO., 3.ARD., HRO., 4.Central AES., HRO., 5.Tokachi AES., HRO., 6.Hokkaido Govt.)	506		10:15
						Chair: Ken Naito (NARO)					
10:30	107	History of Japanese Malting Barley Breeding Revealed by GRAS-Di data 〇Saisho, D.1,2, J. Kim1,3, H. Kai4 (1.IPSR, Okayama Univ., 2.AIP Center, RIKEN, 3.CSRS, RIKEN, 4.Fukuoka Agriculture and Forestry Research Center)	207	Loss-of-function of the soybean flowering/maturation gene TOF11 enhances eating quality by increasing free amino acid content in edamame seeds ☆Shioya, N.1, H. Abe2, M. Hamada3, A. Miyagi1,2,3, H. Murayama1,2,3, Y. Tobita4, Y. Kawaguchi4, S. Adachi4, A. Kaga5, E. Ogiso-Tanaka4, T. Hoshino1,2,3 (1.Grad. Sch. Agr., Iwate Univ., 2.Grad. Sch. Agr., Yamagata Univ., 3.Fac. Agr., Yamagata Univ., 4.Grad. Sch. Agr., Tokyo Univ. of Agr. & Tech., 5.Inst. Crop Sci., NARO)	307	OsEMF2a mutation overcomes the interspecific hybridization barrier via derepression of the maternally derived genes ☆Sakurai, F.1, Y. Sato2, T. Kinoshita1, K. Tonosaki1 (1.KIBR, Yokohama City Univ., 2.Plant Genet., Natl. Inst. Genet.)	407	Breeding challenges in Zambian genetic resources in rice (Oryza sativa L.) 〇Fukuta, Y.1, T. Sato2, K. Ohshiro1, K. Igarashi2, K. Toriyama2, R. Mulenga3, R. Mulenga4, G. Munkombwe4, M. Chinji4, P. Mabuto4, E. Musabula4, N. Museta4, L. Kamguya4, J. Njobuv4 (1.University of the Ryukyus, 2.Tohoku University, 3.Hokkaido University, 4.ZARI)	507	UAV-based monitoring of biomass production during grain-filling stage in rice ☆Aikawa, T.1, M. Kasahara2, K. Shimakawa2, S. Nishiuchi2, K. Doi2 (1.Sch. Agr. Sci. Nagoya U., 2.Grad. Sch. Bioagri. Sci. Nagoya U.)	10:30

Time	No.		No.		No.		No.		No.		Time
				Chair: Kenta Shirasawa (Kazusa DNA)							
10:45	108	History of Japanese Malting Barley Breeding Revealed by Malting Quality Data	208	Telomere-to-telomere gap-free genome of Japanese cultivar 'Enrei'	308	Subgenome biased expression of homoeologous gene pairs in interspecific tetraploid hybrids between Asian and African rice cultivars	408	A New Rice Cultivar with Tolerance to High Temperature During Maturation, 'Konohoshi'	508	Image-Based Analysis of Wheat Seed Morphology and QTL under Drought Stress	10:45
		○Sasaki, S.1, M. Kihara1, M. Shibamura1,2, K. Koie1, H. Kai3, T. Hoki1, D. Saisho4 (1.Crop Research Laboratories, SAPPORO BREWERIES LTD., 2.Vilmorin-Mikado Co., Ltd., 3.Fukuoka Agriculture and Forestry Research Center, 4.IPSR, Okayama Univ.)		○Yano, R.1, F. Li2, K. Kurita2, M. Kobayashi3, S. Hiraga2, M. Ishimoto2 (1.RCAA, NARO, 2.Inst. Crop Sci., NARO, 3.Inst. of Agro. Sci., NARO)		Mu, H.1, T. Furuta1, K. Kashihara1, T. Oka1, K. Nagaki1, W. Wongla2, T. Okamoto2, Y. Kishima3, ○T. Yamamoto1 (1.IPSR, Okayama Univ., 2.Grad. Sch. Sci., Tokyo Met. Univ., 3.Grad. Sch. Agr., Hokkaido Univ.)		○Sasaki, Y., K. Morimoto, H. Okada, S. Matsukawa, Y. Hanada (Hyogo Prefectural Institute for Agriculture, Forestry and Fisheries)		☆Katagiri, S.1, S. BOLDEN1,2, S. Miyasita1,2, Y. WENG1, Y. Kanno1, M. Nitta3, S. Nasuda3, K. Nishimura4, T. Ishii5, M. Okamoto1,2 (1.RIKEN·CSRS, 2.Yokohama City Univ., 3.Kyoto Univ., 4.Okayama Univ., 5.ALRC, Tottori Univ)	
		Chair: Daisuke Saisho (Okayama Univ.)						**Chair: Naoko Fujita (Akita Pref. Univ.)**		**Chair: Ryo Ishikawa (Kobe Univ.)**	
11:00	109	Genetic trend analysis of historical rice data in Japan using phenotypic, pedigree, and genomic information	209	Development of Genomic Resources for the Utilization of Ulvophycean Algae: Draft Genome Assemblies of Monostroma latissimum and Ulva meridionalis	309	Detection of aneuploidy in interspecific hybrid tetraploid rice progeny and its effects on phenotype	409	Breeding rice for high-temperature tolerance at the grain-filling stage in response to warmer climates in Miyagi.	509	Verification of QTLs affecting early growth in hybrids between rice cultivar Taichung 65 and Asu using advanced backcross progeny	11:00
		☆Abe, T.1, S. Kimura2, K. Sakurai2, A. Abe3, H. Shimono4, H. Iwata2, G. Morota2 (1.Fac. Agr., Univ. Tokyo, 2.Grad. Sch. Agr. Life Sci., Univ. Tokyo, 3.Iwate Biotechnology Research Center, 4.Faculty of Agriculture, Iwate University)		○Sakurai, T.1, T. Yamasaki2, A. Toyoda3, T. Namba1, M. Hiraoka4 (1.Fac. Agric. Mar. Sci., Kochi Univ., 2.Fac. Sci. Technol., Kochi Univ., 3.NIG, 4.Sci. Res. Center, Kochi Univ.)		☆Oka, T.1, T. Furuta1, K. Kashihara1, H. Mu1, Y. Kishima2, K. Nagaki1, T. Yamamoto1 (1.IPSR., Univ. Okayama, 2.Grad. Agr. Sci., Univ. Hokkaido)		○Kisara, M., B. Chiba, F. Sugawara, Y. Inada, S. Masuta, R. Chiba (Miyagi Pref. Furukawa Agricultural Experiment Station)		☆Ogihara, S.1, Y. Nakamura1, T. Kojo2, K. Ichitani2, S. Taura3, T. Kuboyama1 (1.Grad. Sch. Agr., Ibaraki Univ., 2.Grad. Sch. Agr. Forest. Fish., Kagoshima Univ., 3.Prof. emeritus, Kagoshima Univ.)	
11:15	110	Evolutionary genetic dissection of reaction norm under unstable environments in one of northern-limit regions of rice cultivation	210	Visualization of Pedigree, Skin Color, and MYB Haplotypes in Grapes using "Pedigree Finder"	310	A gynoecium-promoting role of the X chromosome in Silene latifolia revealed by polyploid analysis	410	Optimization of cultivation processes and introduction of useful mutations for the utilization of "Non-flowering rice" as whole crop silage (WCS)	510	Development of climate change-resilient crops through EGAO technology	11:15
		○Itoh, Y. (Green evolution laboratory)		○Yamaguchi, M.1, A. Azuma2, H. Sakai3, N. Uwatoko1, Y. Mukai1, F. Taniguchi2, H. Kajiya-Kanegae1,4 (1.NICS, NARO, 2.NIFTS, NARO, 3.RCAA, NARO, 4.RCAIT, NARO)		Kobayashi, T.1, S. Ochiai1, K. Sato2, ○Y. Kazama1,3 (1.Grad. Sch. Biosci. Biotechnol., Fukui Pref. Univ., 2.Fac. Sci., Toyama Univ., 3.RIKEN Nishina Cent.)		☆Tsuchiya, M.1, A. Elakhdar1, N. Nishide1, S. Hashimoto1, K. Miyazaki1, T. Namihira2, R. Morita1, N. Aoki1, T. Izawa1 (1.Grad.Sch. Agr. Life Sci., Univ. Tokyo, 2.Fac. Agr., Univ. Ryukyus)		○Todaka, D.1, Y. Iwahashi2, K. Murata2, K. Sako3, K. Bashir4, T. Maki2, Y. Kinoshita2, H. Inoue2, T. Yoshikawa2, Y. Shida7, R. Futagawa1,7, S. Yamazaki1, Y. Ichihashi1, T. Katsube-Tanaka2, R. Nakano2, M. Seki1,5,6 (1.CSRS, RIKEN, 2.Grad. Sch. Agri., Kyoto Univ., 3.Fac. Agri., Kindai Univ., 4.LUMS, 5.KIBR, YCU, 6.Grad. Sch. Sci. Engi., Saitama Univ., 7.Mat. Sci. Bioengi., Nagaoka Univ. Tech.)	
11:30	111	Relationship between haplotypes and grain quality in different groups of sake rice	211	Improvements to a Breeding Support System and Development of a Deployable Version			411	Development of a cost-effective protein production system using an etiolated rice seedling	511	Genetic basis of bird damage to barley	11:30
		○Shenton, M.1, K. Ishimaru1, H. Hirabayashi1, N. Tanaka1, K. Ebana2, K. Sugimoto1, K. Hori1 (1.Insitute of Crop Science, NARO, 2.Research Center of Genetic Resources , NARO)		Yamamoto, E.1, T. Yamada2, R. Tanaka1, Y. Mukai1, N. Uwatoko1, ○H. Kajiya-Kanegae1,2 (1.Institute of Crop Science, NARO, 2.Research Center for Agricultural Information Technology, NARO)				Kayukawa, H., R. Shimizu, A. Watanabe, T. Yahara, H. Takamori, R. Tobe, H. Yoneyama, ○Y. Ito (Grad Sch Agri Sci, Tohoku Univ)		○Sakuma, S., K. Mishina, M. Unose, S. Karasawa (Fac. Agr. Tottori U.)	

22 March (13:00-15:30) Oral Presentation Program

		Chair: Hiroaki Saika (NARO)		Chair: Kazusa Nishimura (Okayama Univ.)		Chair: Mai Minamikawa (Chiba Univ.)		Chair: Yuki Monden (Okayama Univ.)		Chair: Hidetaka Nishida (Okayama Univ.)	
13:00	112	Improvement of TiD-X system in potato for efficient genome-editing 〇Yasumoto, S.1, C. Yanagihara1, H. Hamada1, Z. Shimatani1, H. Yamada1, S. Kidokoro2, N. Wada3, Y. Osakabe2, K. Osakabe3, Y. Nagira1 (1.Food Production Support Strategic Unit, KANEKA Co., 2.Sch. of Life Sci. & Tech., Science Tokyo, 3.Grad. Sch. of Tech., Ind. & Soc. Sci., Tokushima Univ.)	212	Comparative Evaluation of Drought Tolerance in NBRP-wheat NAM Population parental lines Using Soil-Based and Hydroponic-Based Systems ☆AHMADZAI, W.1, Y. Kamiya1, M. Okamoto1,2, Y. Weng2, K. Kawaura1 (1.KIBR, Yokohama City Univ., 2.CSRS,RIKEN)	312	Development of BitBreedingSim: A High-Speed Breeding Simulator Executable in R 〇Inamori, M.1, K. Sakurai1, K. Hamazaki2, H. Iwata1 (1.Grad. Sch. Agr. Life Sci., Univ. Tokyo, 2.Adv. Int. Proj., RIKEN)	412	Identification and candidate gene analysis of a major QTL controlling tannin content in tea plant (Camellia sinensis) ☆TAKAYAMA, K., F. TANIGUCHI, S. YAMASHITA, A. OGINO, S. NOMURA, K. YOSHIDA (NIFTS, NARO)	512	Time-course dynamics of leaf gene expression during heading in sugarcane 〇Tokunaga, H.1, S. Isobe2,3, K. Shirasawa3, Y. Nikawadori4, Y. Terajima1 (1.Trop. Agric. Res. Front, JIRCAS, 2.Grad. Sch. Agric. Life Sci., The Univ. Tokyo, 3.Kazusa DNA Res. Inst., 4.Okinawa Pref. Agric. Res. Cent.)	13:00
13:15	113	Validation of Agroinfiltration-Mediated Organelle Genome Editing for Marker Introduction in Strawberry ☆Nasuno, A.1, C. Thagun2, I. Nakazato3, S. Arimura3, T. Ohnishi1 (1.Grad. Sch. Reg. Dev. and Creativity, Utsunomiya Univ., 2.Center for Bioscience Research and Education, Utsunomiya U, 3.Grad. Sch. of Agr. and Life Sci., Univ. of Tokyo)	213	Comprehensive analysis reveals relationship between sub-functionalization of aquaporins and abiotic stress tolerance during wheat polyploidization ☆Moriya, H.1, A. Ezoe2, Y. Kamiya1, K. Kawaura1 (1.KIBR, Yokohama City Univ., 2.RIKEN CSRS)	313	Optimization of Crossing Strategies Considering Multiple Traits Based on Lookahead Simulation in a High-Speed Breeding Simulator ☆Sakurai, K.1, M. Inamori1, R. Okabe1, H. Igarashi2, N. Yamaguchi3, A. Kaga4, H. Iwata1 (1.Grad. Sch. Agr. Life Sci., Univ. Tokyo, 2.Tokachi Agr. Exp. Sta., HRO, 3.Central Agr. Exp. Sta., HRO, 4.Inst. Crop Sci., NARO)	413	A novel BSA approach for polyploid, De Novo assembly-based polyploid QTL-seq, identified IbAOMT1 controlling anthocyanin composition in sweetpotato ☆Suematsu, K., R. Kurata, T. Sakaigaichi, M. Tanaka (Kyushu Okinawa Agr. Res. Cent., NARO)	513	Evaluation of photoperiodic response of ion-beam induced late heading mutant japonica rice lines. ☆Wijesinghe, V.1, E. Ellewala2, Y. Li3, Y. Fukuta4, K. Ichitani5 (1.Grad. Sch. Agr. Forest. Fish., Kagoshima U., 2.Uni. Grad. Sch. Agr.,Kagoshima U., 3.Grad. Sch. Agr., Kyoto U., 4.Fac. Agr., U. Ryukyus, 5.Fac. Agr., Kagoshima U.)	13:15
13:30	114	Attempt to develop targeted C-to-T substitution technology in the tomato organellar genome ☆Nakajima, R., Y. Tamura, S. Arimura, I. Nakazato (Grad. Sch. Agri. Life Sci., Univ. Tokyo)	214	Genetic analysis of cold tolerance of rice focusing on anther traits Kikuchi, Y.1, M. Yamasaki2, D. Makihara3, 〇K. Doi1 (1.Grad. Sch. Bioagri. Sci., Nagoya U., 2.Fac. Agr., Niigata U., 3.ICREA, Nagoya U.)	314	Comparison of genomic prediction methods for prediction of trait segregation in a strawberry F1 population 〇Yabe, S.1, T. Mizubayashi1, Y. Kawahara2, K. Kurita1, H. Kanamori1, J. Tanaka1, T. Wako1, E. Yamamoto1, M. Ogura3, M. Yoshida4, M. Misumi5, T. Fujita5, M. Hikawa-Endo6,7, M. Honjo4, S. Kataoka3, H. Kajiya-Kanegae1 (1.NICS, 2.NAAC, 3.NIVFS, 4.TARC/NARO, 5.KARC/NARO, 6.WARC/NARO, 7.Okayama University, Graduate School of Environmental, Life, Natural Science and Technology)	414	QTL analysis of grain shape in a tropical japonica cultivar 'Oiran'. ☆Adachi, K.1, A. Yasuda1, K. Nishimura2, E. Tanesaka1, T. Tsukiyama1 (1.Fac. Agr., Kindai Univ., 2.Grad. Sch. Env. Life Nat. Sci. Tech., Okayama Univ.)	514	Genetic characterization of QTL for heading date in recombinant inbred lines dervived from a cross between Miliyang23 and Akihikarinin rice (Oryza sativa L.) ☆Yonamine, K., H. Kobayashi, Y. Fukuta (Univ. Ryukyus.)	13:30

					Chair: Hiromi Kanegae (NARO)		Chair: Masaru Tanaka (NARO)				
13:45	115	Generation of mutant populations of Arabidopsis thaliana in the chloroplast-genome-targeted gene petA using A-to-G base editors	215	Identification of environmental factors reducing barley fertility: Temperature sensitivity during early germination and pollen mother cell differentiation.	315	Genomic prediction and genome-wide association study for fruit traits using grape genetic resources and an F1 population	415	Detection of QTLs associated with robotic harvesting suitability by GWAS in the strawberry F1 population	515	Two Distal Cis-Regulatory Elements Determining Expression Pattern of a Rice Floral Repressor Ghd7	13:45
		☆Nakazato, I., W. Yamori, Y. Tamura, R. Masuda, S. Arimura (Grad. Sch. Agri. Life Sci., Univ. Tokyo)		☆Okada, S.1, K. Yamamori1, Y. Okada2, D. Saisho1 (1.IPSR, Okayama Univ., 2.NARO.)		☆Shimoda, A.1, A. Azuma2, T. Saito2, F. Taniguchi2, S. Isobe3,5, K. Shirasawa3, K. Hamazaki4, H. Iwata5, M. Minamikawa6 (1.Grad. Sch. Hort., Chiba Univ., 2.NIFTS, NARO, 3.Kazusa DNA Res. Inst., 4.Adv. Int. Proj., RIKEN, 5.Grad. Sch. Agr. Life Sci., Univ. Tokyo, 6.IAAR, Chiba Univ.)		☆Sakai, Y., S. Nagamatsu, T. Sueyoshi (Fukuoka Agriculture and Forestry Research Center)		☆Kawauchi, T.1, Y. Ogo2, H. Itoh3, M. Mimura1, T. Izawa1 (1.Grad. Sch. Agr. Life Sci., Univ. Tokyo, 2.NIVFS, 3.NICS)	
	Chair: Issei Nakazato (Univ. Tokyo)		Chair: Jun-ichi Itoh (Univ. Tokyo)						Chair: Shun Sakuma (Tottori Univ.)		
14:00	116	Loss of function of mitochondrial DNA replication genes, DNA polymerase I or Topoisomerase I, restores pollen fertility in cytoplasmic male sterile tomato	216	Fine mapping of loci promoting coleoptile elongation during anaerobic germination using rice reciprocal chromosome segment substitution lines.	316	Development of an Algorithm for Optimizing Variety Combinations Based on Rice Growth Prediction Models	416	QTLs related to kernel cracking resistance in the sake brewing rice variety "Fukunoka" developed in Fukushima Prefecture	516	Phenotypic characterization of young spike development in the late-heading barley mutant line hvhy2 and exploration of Triticeae-specific regulatory genes	14:00
		☆Kuwabara, K.1, A. Van Bosstraeten2, R. Nakajima3, K. Ezura4,5, K. Toriyama1, K. Shirasawa6, T. Arizumi5 (1.Grad. Sch. Agric. Sci., Tohoku Univ., 2.Grad. Sch. Sci. and Tech., Univ. Tsukuba, 3.Grad. Sch. Agri. Life Sci., Univ. Tokyo, 4.JIRCAS, 5.Fac. Life Env. Sci., Univ. Tsukuba, 6.Kazusa DNA Res. Inst.)		☆Hirano, H.1, S. Hirata2, A. Fujita2, M. Fukuda2, T. Fukao1 (1.Grad. Sch. Biosci. Biotech., Fukui Pref. Univ., 2.Dept. Biosci. Biotech., Fukui Pref. Univ.)		☆Watanabe, M.1, K. Hikichi2, Y. Koide2, M. Munetomo1 (1.Hokkaido University, Information Science Institute, 2.Hokkaido University, School of Agriculture)		Matsuzaki, T.1, K. Kobayashi1, Y. Suzuki1, T. Kobayashi1, T. Matsuda2,3, M. Matsuoka3, ○H. Takahashi2,3 (1.Fukushima Agricultural Technology Centre, 2.Faculty of Food and Agricultural Sciences, Fukushima University, 3.Institute of Fermentation Sciences, Faculty of Food and Agricultural Sciences, Fukushima University)		☆Okuma, M.1, K. Nishimura1, M. Kashima2, Y. Monden1, K. Kato1, H. Nishida1 (1.Grad. Sch. Environ. Life Nat. Sci. Tech., Okayama U., 2.Fac. Sci., Toho U.)	
14:15	117	Development of GFA-GraphDepthViz3D: A 3D Genome Graph Viewer for Visualizing Read Depth Dynamics in Plant Organelle Genomes	217	The rice G protein γ-subunit RGG3/GS3 enhances submergence tolerance at both germination and vegetative stages despite contrasting adaptation strategies.	317	Optimization of Interspecific Genotype Combinations in Intercropping Systems: Bayesian Optimization Based on Genomic Prediction of Two-Species Interactions	417	Development of image-based quantitative evaluation for acerola tree and fruit morphology.	517	QTL Mapping of Genomic Regions Associated with Winter Prostrate Growth and Validation of Their Effects in Barley	14:15
		☆Igarashi, K. (Grad. Sch. Agri. Sci., Univ. Tohoku)		☆Takashima, T.1, H. Azumahara1, H. Hirano2, S. Hirata1, M. Fukuda1, S. Lamsal2, K. Miura2, Y. Iwasaki2, T. Fukao2 (1.Dept. Biosci. Biotech., Fukui Pref. Univ., 2.Grad. Sch. Biosci. Biotech., Fukui Pref. Univ.)		☆Kinoshita, S.1, H. Takanashi1, Y. Ohmori1, H. Takahashi2, Y. Ichihashi3, M. Hirai Yokota4, Y. Fuji4, M. Tsuda5, T. Ishii6,7, W. Guo1, H. Iwata1 (1.Grad. Sch. Agr. Life Sci., Univ. Tokyo, 2.Grad. Sch. Bioagri. Sci., Nagoya Univ., 3.RIKEN BioResource Res. Ctr., 4.RIKEN Ctr. for Sustainable Sci., 5.Faculty of Food and Nutritional Sci., Toyo Univ., 6.Arid Land Res. Ctr., Tottori Univ., 7.Int. Platf. Dryland Res. Educ. (IPDRE), Tottori Univ.)		☆ZHONG, Y.1, S. Watanabe2, S. Toida1, A. Kimura1, N. Haramoto3, S. Kimura3, R. Mizuguchi3, H. Aoki3, F. Sanchez da Cunha4, F. Álef Carlos Pinto4, T. Nomura5, S. Kammera5, M. Yamamoto5, Y. Nishizawa5, A. Hama1, M. Minamikawa6 (1.Grad. Sch. Hort., Chiba Univ, 2.Fac. Hort., Chiba Univ., 3.Nichirei Foods Inc., 4.NIAGRO LTDA, 5.Fac. Agri., Kagoshima Univ, 6.IAAR, Chiba Univ.)		☆MANDOZAI, A.1, K. Nishimura1, M. Okuma1, N. Fukushima2, D. Kikkawa1, Y. Monden1, K. Kato1, H. Nishida1 (1.Grad. Sch. Environ. Life Nat. Sci. and Tech., Okayama U., 2.Grad. Sch. Environ. Life, Okayama U.)	

14:30	118	Genome editing of the starch synthase II gene to modify starch physicochemical properties in sweet potato (Ipomoea batatas) cv. Hanaranman. ☆Geno, Y.1, T. Nakahara1, M. Izumitani1, M. Otani2, K. Ushijima1, K. Nishimura1, H. Nishida1, K. Kato1, Y. Monden1 (1.Grad. Sch. Environ. Life Nat. Sci. Tech., Okayama Univ., 2.Res. Inst. Biore. Bioen., Ishikawa Pref. Univ.)	218	Beyond SUB1A: How PHYTOCHROME B loss-of-function confers submergence tolerance in rice ☆Lamsal, S.1, A. Shinozawa2, M. Fukuda3, T. Takashima3, N. Inagaki4, Y. Arai-Kichise5, T. Fukao1 (1.Grad. Sch. Biosci. Biotech., Fukui Pref. Univ., 2.Dept. Biosci., Tokyo NODAI, 3.Dept. Biosci. Biotech., Fukui Pref. Univ., 4.NAAC, NARO, 5.NGRC, Tokyo NODAI)	318	Assessment of the severity of seed abortions in Nicotiana interspecific crosses using image analysis. ☆Kobayashi, K.1, K. Shiragaki1,2, S. Yokoi1,2, T. Tezuka1,2 (1.Grad. Sch. Agr., Osaka Metro. Univ., 2.Educ. Res. Field., Sch. Agr. Osaka Metro. Univ.)			518	Identification of QTLs suppressing extra-early heading in wheat with three loss-of-function PCL1 homoealleles ☆Matsuda, T.1, K. Nishimura2, K. Murata3, A. Fujioka4, Y. Monden2, K. Kato2, H. Nishida2 (1.Fac. Agri., Okayama U., 2.Grad. Sch. Environ. Life Nat. Sci. Tech., Okayama U., 3.Grad. Sch. Agr., Kyoto U., 4.Grad. Sch. Environ. Life Sci., Okayama U.)	14:30
	Chair: Hiroshi Yamatani (QST)		**Chair: Takeshi Fukao (Fukui Pref. Univ.)**		**Chair: Kazuyuki Doi (Nagoya Univ.)**				**Chair: Ayumi Agata (Nagoya Univ.)**		
14:45	119	Analysis of transcription factors SPA and SHP in genome-edited bread wheat ☆Sakurai, S., N. Kawano, S. Sakoguchi, H. Moriya, Y. Kamiya, K. Kawaura (KIBR, Yokohama City Univ.)	219	The role of SCARECROW in regulating the number of cortical cell layers in rice roots under flooding ☆Minami, S.1, J. Li2, K. Tsuda2, T. Yamauchi2 (1.Grad. Sch. Bioagr. Sci., Nagoya Univ., 2.Biosci. Biotech. Center, Nagoya Univ.)	319	G×E evaluation of growth traits including UAV-based tree height in hybrid larch sibling families ☆Watanabe, M.1, K. Sakurai1, S. Kimura1, H. Sano1, N. Miura1, M. Inamori1, Y. Unno2, W. Guo1, S. Isobe1,3, S. Inukai4, K. Kusunoki2, H. Iwata1 (1.Grad. Sch. Agr. Life Sci., Univ. Tokyo, 2.Sumitomo Forestry Co., Ltd., 3.Kazusa DNA Res. Inst., 4.Hokkaido Forest, Univ. Tokyo)			519	A palea defective mutant, rep1, induced by irradiation with fast neutrons generated by J-PARC accelerator, and its causal chromosomal rearrangement ◯Uematsu, Y.1, K. Kojima1, K. Ishibashi2, N. Kikuchi2, T. Kuboyama1 (1.Grad. Sch. Agr., Ibaraki U., 2.Quantum Flowers & Foods Co., Ltd.)	14:45
15:00	120	Characterization of genome-edited rice lines with suppressed starch accumulation in the culm and leaf sheath ◯KOMATSU, A.1, M. Ohtake1, K. Yamagishi2, T. Kotake3 (1.Inst. Agrobiological Sci., NARO, 2.Inst. Food Research ., NARO, 3.Gradu. Sch. Sci. and Enginer., Saitama Univ.)	220	'Shogoin daikon' suppresses the proliferation of Plasmodiophora brassicae in tissues external to the vascular cambium. ☆TAKASE, A., S. BANG, T. Ohnishi (Grad. Sch. Reg. Dev. & Creativity, Utsunomiya Univ.)	320	Effect of non-shattering mutant gene sh4 in different genetic backgrounds of rice(Oryza sativa L.) ☆TOMARI, H., N. Nagano, Y. Fukuta (Univ. Ryukyus)			520	Regulation of cell division in soybean pod formation: Correlation with tissue growth rate and effects of positional cues ☆Hikichi, K., S. Miura, Y. Tokuyama, Y. Koide (Graduate school of Agriculture, Hokkaido University)	15:00
15:15	121	Verification of the gene pyramiding effect of gw2 and Apo1 on improving lodging resistance. ☆Kawabata, K., k. miura (Fac.Biosci.Biotec.,FPU)	221	Integrated imaging of rhizosphere oxidation in rice varieties with contrasting methane emissions by combining planar optode and X-ray CT ☆Kawai, T.1, S. Teramoto1, T. Tokida2, Y. Uga1 (1.NICS, 2.NIAES)	321	Monitoring of chromosomal instability in the early generations of synthetic hexaploid wheat with MIG-seq ☆Nakanishi, S.1, K. Nishimura1, T. Chen2, M. Okuma1, T. Matsuda3, K. Murata2, R. Nakano2, T. Nakazaki2,4, Y. Monden1, K. Kato1, H. Nishida1 (1.Grad. Sch. Environ. Life Nat. Sci. Tech., Okayama U., 2.Grad. Sch. Agr., Kyoto U., 3.Fac. Agri., Okayama U., 4.IAC, Kyoto U.)			521	RNA-seq analysis of flower buds in the white-flowered Japanese morning glory mutant iw136 and a structural mutation in the candidate causative gene InbHLH2 ☆Moroe, K.1, R. Yamamura1, A. Hoshino2, E. Nitasaka3, K. Shirasawa4, T. Kuboyama1 (1.Grad. Sch. Agr., Ibaraki. U, 2.Natl. Inst., Basic. Biol., 3.Grad. Sch. Sci., Kyushu. U., 4.Kazusa DNA Res. Inst.)	15:15