

GGG PRIZE 2023

TITLE	AUTHORS	published
Changed life course upon defective replication of ribosomal RNA genes	Mei Hattori, Chihiro Horigome, Théo Aspert, Gilles Charvin, Takehiko Kobayashi	GGG Vol. 97 (2022) P285–295.
Euchromatin factors HULC and Set1C affect heterochromatin organization and mating-type switching in fission yeast <i>Schizosaccharomyces pombe</i>	Alfredo Esquivel-Chávez, Takahisa Maki, Hideo Tsubouchi, Testuya Handa, Hiroshi Kimura, James E. Haber, Geneviève Thon, Hiroshi Iwasaki	GGG Vol. 97 (2022) P123–138.
Identification of genes regulating stimulus-dependent synaptic assembly in <i>Drosophila</i> using an automated synapse quantification system	Jiro Osaka, Haruka Yasuda, Yusuke Watanuki, Yuya Kato, Yohei Nitta, Atsushi Sugie, Makoto Sato, Takashi Suzuki.	GGG Vol. 97 (2022) P297–309.

GGG PRIZE 2022

TITLE	AUTHORS	published
Activity-dependent endocytosis of Wingless regulates synaptic plasticity in the <i>Drosophila</i> visual system	Hinata Kawamura, Satoko Hakeda-Suzuki, Takashi Suzuki	GGG Vol. 95 (2020) P235–247.
Establishment of an “ <i>in saccharo</i> ” experimental system	Tetsushi Iida, Takehiko Kobayashi	GGG Vol. 96 (2021) P107–118.
The <i>Drosophila</i> <i>Nepriylin 4</i> gene is essential for sperm function following sperm transfer to females	Takashi Ohsako, Machi Shirakami, Kazuharu Oiwa, Kimihide Ibaraki, Timothy L. Karr, Masatoshi Tomaru, Rikako Sanuki, Toshiyuki, Takano-Shimizu-Kouno	GGG Vol. 96 (2021) P177–186.

GGG PRIZE 2021

TITLE	AUTHORS	published
Signature of positive selection in mitochondrial DNA in Cetartiodactyla	Satoko Mori, Masatoshi Matsunami	GGG Vol. 93 (2018) P65–73.
Mb-level CpG and TFBS islands visualized by AI and their roles in the nuclear organization of the human genome	Kennosuke Wada, Yoshiko Wada, Toshimichi Ikemura	GGG Vol. 95 (2020) P29–41.
<i>ONSEN</i> shows different transposition activities in RdDM pathway mutants	Yui Hayashi, Kanako Takehira, Kosuke Nozawa, Takamasa Suzuki, Yukari Masuta, Atsushi Kato, Hidetaka Ito	GGG Vol. 95 (2020) P183–190.

GGS PRIZE 2020

TITLE	AUTHORS	published
Spontaneous de novo germline mutations in humans and mice: rates, spectra, causes and consequences	Mizuki Ohno	GGS Vol. 94 (2019) P13–22.
Defects in the NuA4 acetyltransferase complex increase stability of the ribosomal RNA gene and extend replicative lifespan	Takehiko Kobayashi, Tsuyoshi Wakatsuki, Mariko Sasaki	GGS Vol. 94 (2019) P197–206.
Two-dimensional site frequency spectrum for detecting, classifying and dating incomplete selective sweeps	Yoko Satta, Wanjing Zheng, Kumiko V. Nishiyama, Risa L. Iwasaki, Toshiyuki Hayakawa, Naoko T. Fujito, Naoyuki Takahata	GGS Vol. 94 (2019) P283–300.

GGS PRIZE 2019

Not applicable

GGS PRIZE 2018

TITLE	AUTHORS	published
Interplay between chromatin modulators and histone acetylation regulates the formation of accessible chromatin in the upstream regulatory region of fission yeast <i>fbp1</i>	Akira Adachi, Satoshi Senmatsu, Ryuta Asada, Takuya Abe, Charles S. Hoffman, Kunihiro Ohta and Kouji Hirota.	GGS Vol. 92 (2017) P267–276.

GGS PRIZE 2017

TITLE	AUTHORS	published
From the laboratory to the field: assaying histone methylation at <i>FLOWERING LOCUS C</i> in naturally growing <i>Arabidopsis halleri</i>	Haruki Nishio, Diana Mihaela Buzas, Atsushi J. Nagano, Yutaka Suzuki, Sumio Sugano, Motomi Ito, Shin-Ichi Morinaga, Hiroshi Kudoh	GGS Vol. 91 (2016) P15–26.
Identification of gamma ray irradiation-induced mutations in membrane transport genes in a rice population by TILLING	Jung Eun Hwang, Duk-Soo Jang, Kyung Jun Lee, Joon-Woo Ahn, Sang Hoon Kim, Si-Yong Kang, Dong Sub Kim, Jin-Baek Kim	GGS Vol. 91 (2016) P245–256.

GGG PRIZE 2016

TITLE	AUTHORS	published
<i>Drosophila</i> Ogg1 is required to suppress 8-oxo-guanine accumulation following oxidative stress	Takashi Yasukawa, Yasuyuki Nakahara, Jun Hirai, Yoshihiro H. Inoue	GGG Vol. 90 (2015) No. 1 P11-20.
Generation of artificial <i>drooping leaf</i> mutants by CRISPR-Cas9 technology in rice	Takuyuki Ikeda, Wakana Tanaka, Masafumi Mikami, Masaki Endo, Hiro-Yuki Hirano	GGG Vol. 90 (2015) No. 4 P231-235.

GGG PRIZE 2015

TITLE	AUTHORS	published
Mitochondrial genomes of Japanese <i>Babina</i> frogs (Ranidae, Anura): unique gene arrangements and the phylogenetic position of genus <i>Babina</i> .	Ryosuke Kakehashi, Atsushi Kurabayashi, Shohei Oumi, Seiki Katsuren, Masaki Hosono and Masayuki Sumida	Genes & Genetic Systems (2013) 88: 59-67

GGG PRIZE 2014

TITLE	AUTHORS	published
Expression of the rice microRNA <i>miR820</i> is associated with epigenetic modifications at its own locus	Misuzu Nosaka, Akemi Ono, Aiko Ishiwata, Sae Shimizu-Sato, Kiyoe Ishimoto, Yusaku Noda and Yutaka Sato	Genes & Genetic Systems (2013) 88:105-112
Elimination of Y chromosome-bearing spermatids during spermiogenesis in an autosomal <i>sex-ratio</i> mutant of <i>Drosophila simulans</i>	Yusaku Yasuno, Yoshihiro H. Inoue and Masa-Toshi Yamamoto	Genes & Genetic Systems (2013) 87:113-126

GGG PRIZE 2013

TITLE	AUTHORS	published
Mutation in <i>OsLMS</i> , a gene encoding a protein with two double-stranded RNA binding motifs, causes lesion mimic phenotype and early senescence in rice (<i>Oryza sativa</i> L.)	Jerwin R. Undan, Muluneh Tamiru, Akira Abe, Kentaro Yoshida, Shunichi Kosugi, Hiroki Takagi, Kakoto Yoshida, Hiroyuki Kanzaki, Hiromasa Saitoh, Rym Fekih, Shailendra Sharma, Jesusa Undan, Masahiro Yano, Ryohei Terauchi	Genes & Genetic Systems (2012) 87:169-179
Quick replication fork stop by overproduction of <i>Escherichia coli</i> DinB produces non-proliferative cells with an aberrant chromosome	Mio Ikeda, Yutaka Shinozaki, Kaori Uchida, Yasuha Ohshika, Asako Furukohri, Hisaji Maki, Masahiro Tatsumi Akiyama	Genes & Genetic Systems (2012) 87:221-231

GGG PRIZE 2012

TITLE	AUTHORS	published
<i>trans</i> -translation-mediated tight regulation of the expression of the alternative ribosome-rescue factor ArfA in <i>Escherichia coli</i>	Yuhei Chadani, Emi Matsumoto, Hiroaki Aso, Takeo Wada, Kazuhiro Kutsukake, Shizuyo Sutou, Tatsuhiko Abo	Genes & Genetic Systems (2011) 86:151-163
Identification of an evolutionarily conserved, functional noncoding element regulated by Six1 homeoprotein	Yongsu Jeong, Sangtaek Oh	Genes & Genetic Systems (2010) 85:233-240

GGG PRIZE 2011

TITLE	AUTHORS	published
Genetic analysis of DNA repair in the hyperthermophilic archaeon, <i>Thermococcus kodakaraensis</i>	Ryosuke Fujikane, Sonoko Ishino, Yoshizumi Ishino and Patrick Forterre	Genes & Genetic Systems (2010) 85:243-257
Alu-derived <i>cis</i> -element regulates tumorigenesis-dependent gastric expression of GASDERMIN B (<i>GSDMB</i>)	Hiromitsu Komiyama, Aya Aoki, Shigekazu Tanaka, Hiroshi Maekawa, Yoriko Kato, Ryo Wada, Takeo Maekawa, Masaru Tamura and Toshihiko Shiroishi	Genes & Genetic Systems (2010) 85:75-83

GGG PRIZE 2010

TITLE	AUTHORS	published
The spatial expression patterns of <i>DROOPING LEAF</i> orthologs suggest a conserved function in grasses	Motokazu Ishikawa, Yoshihiro Ohmori, Wakana Tanaka, Chizuru Hirabayashi, Koji Murai, Yasunari Ogihara, Takahiro Yamaguchi and Hiro-Yuki Hirano	Genes & Genetic Systems (2009) 84:137-146
A dominant mutation of <i>TWISTED DWARF 1</i> encoding an α -tubulin protein causes severe dwarfism and right helical growth in rice	Hidehiko Sunohara, Takayuki Kawai, Sae Shimizu-Sato, Yutaka Sato, Kanna Sato and Hidemi Kitano	Genes & Genetic Systems (2009) 84:209-218

GGG PRIZE 2008

TITLE	AUTHORS	published
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Mre11 mediates gene regulation in yeast spore development	Kazuto Kugou, Hiroyuki Sasanuma, Kouji Matsumoto, Katsuhiko Shirahige and Kunihiro Ohta	Vol. 82 (2007) , No. 1 p.21-33
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GGG PRIZE 2007

TITLE	AUTHORS	published
RECS1 deficiency in mice induces susceptibility to cystic medial degeneration	Hanjun Zhao, Akihiko Ito, Shinya H. Kimura, Norikazu Yabuta, Naohiko Sakai, Masahito Ikawa, Masaru Okabe, Yuji Matsuzawa, Shizuya Yamashita and Hiroshi Nojima	Genes & Genetic Systems (2006) 81:41-50.
Strategies to maintain the stability of the ribosomal RNA gene repeats -Collaboration of recombination, cohesion, and condensation-	Takehiko Kobayashi	Genes & Genetic Systems (2006) 81:155-161.

GGG PRIZE 2005

TITLE	AUTHORS	published
Intracellularly inducible, ubiquitin hydrolase-insensitive tandem ubiquitins inhibit the 26S proteasome activity and cell division	Yasushi Saeki, Erika Isono, Tomoko Oguchi, Masumi Shimada, Takayuki Sone, Hiroyuki Kawahara, Hideyoshi Yokosawa and Akio Toh-e	Genes & Genetic Systems (2004) 79:77-86.
Identification and molecular characterization of novel anther-specific genes in <i>Oryza sativa</i> L. by using cDNA microarray	Makoto Endo, Tohru Tsuchiya, Hiroshi Saito, Hitoshi Matsubara, Hirokazu Hakozaiki, Hiromi Masuko, Motoshi Kamada, Atsushi Higashitani, Hideyuki Takahashi, Hiroo Fukuda, Taku Demura and Masao Watanabe	Genes & Genetic Systems (2004) 79:213-226.