

Sungsik Kong

CONTACT INFORMATION

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SUMMARY

- I am a *computational evolutionary biologist* with trainings in biology, statistics, mathematics, computer science, and data science.
- My research focuses on method development in *phylogenetic tree and network inference*.
- I am *adventurous* and *traveled* in Asia for a year on foot, bicycle, and motorbike.

PROFESSIONAL EXPERIENCE

Brown University, Providence, Rhode Island, USA **Present**
Institute for Computational and Experimental Research in Mathematics *Postdoctoral fellow*
(ICERM) *in Mathematics*

University of Wisconsin-Madison, Madison, Wisconsin, USA **2023-2024**
Wisconsin Institute for Discovery *Postdoctoral research associate*
Mentor: Dr. Claudia Solís-Lemus

EDUCATION

The Ohio State University, Columbus, Ohio, USA **2018-2022**
Ph.D. in Evolution, Ecology, and Organismal Biology
Presidential fellow 2022
Dissertation: Towards the network of life: Phylogenetic networks as a tool to understand complex evolutionary histories
Advisor: Dr. Laura Kubatko

University of Toronto, Toronto, Ontario, Canada **2013-2015**
M.Sc. in Ecology and Evolutionary Biology
Thesis: On the use of Median-Joining networks: A philosophical and empirical evaluation of its suitability in evolutionary biology
Advisor: Dr. Robert Murphy

University of Toronto, Toronto, Ontario, Canada **2006-2012**
B.Sc. in Zoology and Ecology and Evolutionary Biology
Undergraduate thesis advisors: Drs. Robert W. Murphy and Deborah A. McLennan

PUBLICATIONS

Total number: 20
h-index: 7 [[Google scholar](#)]
*Correspondence; ‡Co-correspondence; †Equal contribution

Selected peer-reviewed journal articles

- [20] **Kong S***, Swofford DL, and Kubatko LS. (Accepted, *Systematic Biology*) Inference of phylogenetic networks from sequence data using composite likelihood. Preprint available on *bioRxiv* at 10.1101/2022.11.14.516468v1
- [19] **Kong S***, Sánchez-Pacheco SJ, and Murphy RW. (2023) Median-Joining Networks and Bayesian phylogenies often do not tell the same story. *Bulletin of the Society of Systematic Biologists* 2:1 1–13 doi:10.18061/bssb.v2i-1.9625
- [18] **Kong S** (2022) Digest: Frequent hybridization in *Darevskia* rarely leads to the evolution of asexuality. *Evolution* 76:9 2216–2217 doi:10.1111/evo.14587

- [17] **Kong S[†]**, Pons JC[†], Kubatko LS, and Wicke K. (2022) Classes of phylogenetic networks and their mathematical and biological significance. *Journal of Mathematical Biology* 84:47 doi:10.1007/s00285-022-01746-y
- [16] **Kong S** and Kubatko LS. (2021) Comparative performance of popular methods for hybrid detection using genomic data. *Systematic Biology* 70:5 891–907 doi:10.1093/sysbio/syaa092
- [15] Sánchez-Pacheco SJ[‡], **Kong S[‡]**, Pulido-Santacruz P, Murphy RW, and Kubatko L. (2020) Median-joining network analysis of SARS-CoV-2 genomes is neither phylogenetic nor evolutionary. *Proc. Natl. Acad. Sci. U.S.A* 117:23 12518–12519 doi:10.1073/pnas.2007062117
- [14] **Kong S[†]**, Sánchez-Pacheco S[†], and Murphy RW. (2016) On the use of Median-Joining Networks in evolutionary biology. *Cladistics* 32: 691–699 doi:10.1111/cla.12147

Collaborative peer-reviewed journal articles

- [13] Peng J, **Kong S**, and Kubatko L. (In Press) A likelihood ratio test for hybridization under the multispecies coalescent. *Bulletin of the Society of Systematic Biologists*; Preprint available on *bioRxiv* at doi:10.1101/2023.06.20.545699
- [12] Fu M, Eimes JA, **Kong S**, Lamichhaney S, Waldman B (2023) Identification of major histocompatibility complex genotypes associated with resistance to an amphibian emerging infectious disease. *Infection, Genetics and Evolution* 105470 doi:10.1016/j.meegid.2023.105470
- [11] Glon H, Häussermann V, Brewin P, Brickle P, **Kong S**, Smith M, and Daly M. (2023) There and back again: The unexpected journeys of *Metridium* de Blainville, 1824 between the old oceans and throughout the modern world. *Biological Bulletin* 244:1 doi:10.1086/723800
- [10] Nguyen HQ, Ho P-T, **Kong S**, Bae Y, Pham TH, and Jang Y. (2022) A time-calibrated mitogenomic phylogeny suggests that Korean *Hyalessa fuscata* is a bridge between Chinese and Japanese *H. maculaticollis*. *Journal of Genetics* 102:9 doi:10.1007/s12041-022-01405-7
- [9] Nguyen HQ, Kim E, Bae Y, Chae S, Ji S, Heo J, **Kong S**, Nguyen TK, Pham TH, and Jang Y. (2022) An effective method for accurate life-stage delimitation of cicadas. *Journal of Asia-Pacific Entomology* 101952 doi:10.1016/j.aspen.2022.101952
- [8] Glon MG, Broe MB, Crandall KA, Daly M, **Kong S**, Thoma RF, and Freudenstein JV. (2022) Anchored hybrid enrichment resolves the *Lacunicambarus* (Decapoda: Cambaridae) phylogeny. *Journal of Crustacean Biology* 42:1 ruab073 doi:10.1093/jcabi/ruab073
- [7] Kim M, Nguyen HQ, Yi Y, Ahn J, Kim YE, Jang S, Kim S, **Kong S**, and Borzée A. (2020) Policy recommendation on whaling, trade and watching of cetaceans in the Republic of Korea. *Biodiversity Journal* 11: 255–258 doi:10.31396/Biodiv.Jour.2020.11.1.255.258
- [6] Weiringa JG, Boot MR, Dantas-Queiroz MV, Duckett D, Fonseca EM, Glon H, Hamilton N, **Kong S**, Lanna FM, Mattingly KZ, Parsons DJ, Smith ML, Stone BW, Thompson C, Zuo L, and Carstens BC. (2020) Does habitat stability structure intraspecific genetic diversity? It's complicated... *Frontiers in Biogeography* e45377 doi:10.21425/F5FBG45377
- [5] Borzée A, Purevdorj Z, Kim YI, **Kong S**, Choe M, Yi Y, Kim K, Kim A, and Jang Y. (2020) Breeding preferences in the Treefrogs *Dryophytes japonicus* (Hylidae) in Mongolia, the northern limit of their range. *Journal of Natural History* 53: 2685–2698 doi:10.1080/00222933.2019.1704458
- [4] Bae Y, **Kong S**, Yi Y, Jang Y, and Borzée A. (2019) Additional new type of threat to *Hynobius* salamander eggs: predation by loaches (*Misgurnus* sp.) in agricultural wetlands. *Animal Biology* 69:4 451–461 doi:10.1163/15707563-20191070
- [3] Groffen J, **Kong S**, Jang Y, and Borzée A. (2019) The invasive American bullfrog (*Lithobates catesbeianus*) in the Republic of Korea: history and recommendation for population control. *Management of Biological Invasions* 10:3 517–535 doi:10.3391/mbi.2019.10.3.08

- [2] Borzée A, **Kong S**, Didinger C, Nguyen HQ, and Jang Y. (2018) A ring-species or a ring of species? Phylogenetic relationship between two treefrog species around the Yellow Sea: *Dryophytes suweonensis* and *D. immaculatus*. *The Herpetological Journal* 28: 160–170
- [1] Kim K, **Kong S**, Kim YI, Borzée A, Bae Y, and Jang Y. (2018) Japanese hard ticks (*Ixodes nipponensis*) parasitizing on the endangered leopard cat (*Prionailurus bengalensis euptilura*) in the Republic of Korea. *Animal Systematics, Evolution and Diversity* 34:1 23–26 doi:10.5635/ASED.2018.34.1.032

Policy recommendation

- [1] Borzée A, Nguyen HQ, Ahn J, Kim M, Kim S, Jang S, **Kong S**, Kim YE, and Yi Y. (2017) Policy recommendation on the negative impact of infrastructure development on the population of endangered Long-Tailed Goral in Oseck-Kkeutchong. *Society for Conservation Biology Korean Chapter*

Submitted (or very close to be submitted)

- [1] **Kong S**, Solís-Lemus CR, and Tiley GP. (In Review) Phylogenetic networks empower speciation biology
- [2] Fonseca EM, Camurugi F, Magalhães FM, **Kong S**, Colli GR, Werneck FP, and Carstens BC. (In Preparation) Geographic distance, rivers, and historical climate explain genetic structure and differentiation in a widely distributed tropical skink
- [3] **Kong S**, Kolbow N, Chafin T, and Solís-Lemus CR. (In Preparation) SNaQ2: Improved scalability for phylogenetic network inference

TALKS AND PRESENTATIONS

Invited talks (*Virtual presentation)

- | | |
|---|--------------------------|
| [1] Creighton University, Omaha, NE., USA
<i>Department of Mathematics Colloquium Series</i> | <i>Scheduled in 2024</i> |
| [2] ICERM, Brown University, Providence, RI., USA
<i>From Phylogenetics to Phylogenomics:
Mathematical and Statistical Challenges in the era of Big Data Workshop</i> | <i>Scheduled in 2024</i> |
| [3] Joint Congress on Evolutionary Biology, Montréal, QC., Canada
<i>Networks in Population Genetics and Phylogenetics:
Theory, Methods, and Applications Symposium</i> | 2024 |
| [4] University of Hawai'i at Mānoa, Honolulu, HI., USA
<i>Algebraic Methods in Phylogenetics Workshop, Just-in-time talk</i> | 2024 |
| [5] University of Science and Technology of Hanoi,
Vietnam Academy of Science and Technology, Hanoi, Vietnam [press] | 2024 |
| [6] Sungshin Women's University, Seoul, South Korea | 2024 |
| [7] Ewha Womans University, Seoul, South Korea | 2024 |
| [8] The International Society for Computational Biology (ISCB),
Society for Molecular Biology and Evolution (SMBE)*
<i>EvolCompGen webinar series</i> | 2023 |
| [9] Society for Industrial and Applied Mathematics,
New York-New Jersey-Pennsylvania Section (SIAM-NNP),
New Jersey Institute of Technology (NJIT), Newark, NJ., USA
<i>Mathematics of Evolution Minisymposium</i> | 2023 |
| [10] University of Wisconsin-Madison, WI., USA [video]
<i>UW-Madison Fall 2023 Evolution Seminar Series</i> | 2023 |

- [11] University of Wisconsin-Madison, WI., USA 2023
UW-Madison Postdoctoral Research Symposium Blitz Talks Competition
- [12] Taming the BEAST, Squamish, BC., Canada 2023
Squamish BEAST Tamers
- [13] Botany Meeting, Boise, ID., USA 2023
Seeing the Network for the Trees Symposium
- [14] Algorithms and Complexity in Phylogenetics* [[video](#)] 2022
- [15] Indiana University, Bloomington, IN., USA 2022
- [16] University of California San Diego, CA., USA* 2022
- [17] Evolution Meeting, Cleveland, OH., USA 2022
Society of Systematic Biologists (SSB) Ernst Mayr Award Competition
- [18] Louisiana State University, Baton Rouge, LA., USA 2022
Department of Biological Sciences Seminar
- [19] The Korean Association of Biological Sciences, Seoul, South Korea* 2021
The Ecological Society of Korea Section
- [20] Workshop in Mathematical and Computational Biology* [[video](#)] 2021
Bioinformatics Section
- [21] Misericordia University, Dallas, PA., USA* 2021
Biology Seminar Series
- [22] The Stone Laboratory, Gibraltar Island, OH., USA 2019
EEOB 1930 Introduction to Biological Studies–Aquatic Biology
- [23] Ewha Womans University, Seoul, South Korea 2016
Eco-science/Eco-creative Graduate Seminar
- [24] Ewha Womans University, Seoul, South Korea 2013
Laboratory of Behavior and Ecology Weekly Seminar

Regular talks

- [1] University of Wisconsin-Madison, WI., USA 2024
Friday@4
- [2] University of Wisconsin-Madison, WI., USA 2023
Wisconsin Institute for Discovery Symposium
- [3] Evolution Meeting* 2021
- [4] The Ohio State University, Columbus, OH., USA* 2021
Evolution, Ecology, and Organismal Biology (EEOB) Annual Darwin Series
- [5] The Ohio State University, Columbus, OH., USA 2019, 2020
Evolution & Ecology Club
- [6] SSB Standalone Meeting, Gainesville, FL., USA 2020
- [7] Ewha Womans University, Seoul, South Korea 2017
Animal Communication Symposium

Poster presentations

- [1] Intelligent Systems for Molecular Biology (ISMB), ISCB, Madison, WI., USA 2022
Best Poster Award Winner
- [2] Evolution Meeting, Providence, RI., USA 2019
- [3] The Korean Association of Biological Sciences, Yong-In, South Korea 2017
- [4] Korean-American Scientists and Engineers Association (KSEA),
Young Generation Technical and Leadership Conference (YGTLC), Houston, TX., USA 2014
- [5] University of Toronto, Toronto, ON., Canada 2012
Department of Ecology and Evolutionary Biology undergraduate research Fair

ACADEMIC EXPERIENCE

Academic visit

- [1] University of Wisconsin–Madison, WI., USA 2022
Wisconsin Institute for Discovery *Visiting Ph.D. student*
Mentor: Dr. Claudia Solís-Lemus
- [2] Louisiana State University, Baton Rouge, LA., USA 2022
Department of Biological Sciences *Visiting Ph.D. student*
Mentor: Dr. Jeremy Brown

Research experience

- [1] Ewha Womans University, Seoul, South Korea 2013, 2016–2017
Division of Eco-science *Researcher*
Mentors: Drs. Jae Chun Choe and Yikweon Jang
- [2] University of Toronto, ON., Canada 2011–2013
Faculty of Forestry *Work-study student & Biodiversity technician*
Mentors: Dr. Sandy Smith and Eric Davies
- [3] Royal Ontario Museum, Toronto, ON., Canada 2012
Centre for Biodiversity and Conservation Biology *Student researcher*
Mentor: Dr. Robert Murphy
- [4] University of Toronto, ON., Canada 2011–2012
Department of Ecology and Evolutionary Biology *Student researcher*
Mentor: Dr. Deborah McLennan
- [5] University of Toronto, ON., Canada 2010
Cities Centre, Department of Geography *Student data collector*
Mentor: Dr. Kristian Larsen

Fieldwork experience

- [1] Indonesia, Laos, Indonesia, Mongolia, China, and South Korea 2016–2017
- [2] Greater Toronto Area (GTA) 2010–2013

TEACHING AND MENTORING EXPERIENCE

International workshops

Instructor

- [1] Methodological Advances in Reticulate Evolution, Botany Meeting, Boise, ID., USA 2023
- [2] Squamish BEAST Tamers, Taming the BEAST, Squamish, BC., Canada 2023

Teaching assistant (†Lead teaching assistant)

- [1] Workshop on Molecular Evolution, Woods Hole, MA., USA† 2024
Instructed Introduction to Computing Laboratory

- [2] Workshop on Molecular Evolution, Woods Hole, MA., USA 2023

The Ohio State University

Teaching assistant

- [1] *EEOB 3310* Evolution (Spring, Fall) 2021
(Spring, Summer, Fall) 2020
(Spring, Fall) 2019
- [2] *EEOB 2520* Human Physiology (Summer) 2021
- [3] *EEOB 1930* Introduction to Biological Studies–Aquatic Biology (Summer) 2019
- [4] *BIOL 1113* Energy Transformation and Development (Fall) 2018

University of Toronto

Teaching assistant

- [1] *BIO 120* Adaptation and Biodiversity (Summer) 2015
(Summer) 2014
(Fall) 2013
- [2] *BIO 220* From Genomics to Ecosystems in a Changing World (Spring) 2015
- [3] *EEB 362* Macroevolution (Fall) 2014
- [4] *EEB 386* Avian Biology (Spring) 2014

(Co-)supervision of undergraduate and graduate students

- [1] Alanna Kong (University of Toronto) 2021–2022
Mentored through University of Toronto Woodsworth Mentorship Program
- [2] Devansh Pandey (Indian Institute of Technology Kharagpur) 2021–2022
Mentored through Científico Latino
Currently a graduate student at University of Texas at Austin
- [3] McKenna Molnar (The Ohio State University) 2020–2021
Mentored through OSU EEOB Graduate Mentoring Program
- [4] Shelby Jansens and Kimberly Wiles 2020
Co-supervised with Dr. Laura Kubatko through
Mathematical Biosciences Institute Research Experiences for Undergraduates program
Project title: Detecting shifts in the evolutionary process in SARS-CoV-2 genomes
- [5] Tulio Soares and Ellen Southam 2014–2015
Co-supervised with Dr. Pedro Bernardo at
University of Toronto and Royal Ontario Museum
- [6] Shreeram Senthivasan 2014
Co-supervised with Drs. Pedro Bernardo, Santiago Sánchez-Pacheco, and Robert Murphy at
University of Toronto and Royal Ontario Museum

Miscellaneous

- [1] Daruma Eco-Farm, Bang Phra, Si Racha District, Chon Buri, Thailand 2016
- [2] Cheong-Shim International School English Camp, Ga-Pyeong, South Korea 2009

CONFERENCE AND WORKSHOP PARTICIPATION	Participation with a role (*Virtual event)	
	[1] Joint Congress on Evolutionary Biology, Montréal, Quebec, Canada <i>Participated as EvoAllies for safe and inclusive meeting</i>	2024
	[2] Evolution Meeting, Albuquerque, NM., USA <i>SSB Mayr Award Abstract Reviewer & Society of Study of Evolution (SSE) Hamilton Award Judge</i>	2023
	[3] ISMB, ISCB, Madison, WI., USA <i>Technical Moderator</i>	2022
	[4] Evolution Meeting, Cleveland, OH., USA <i>SSB Symposium Co-organizer (with Dr. Md Rejuan Haque)</i> <i>Symposium title: Towards the network of life: Phylogenetic networks as a tool to understand complex evolutionary histories.</i>	2022
	[5] Evolution Meeting* <i>Chair/Moderator in multiple Faux-Live Sessions</i>	2021

Participant

[1] Algebraic Methods in Phylogenetics Workshop, University of Hawai'i at Mānoa, Honolulu, HI., USA [press]	2024
[2] Wisconsin Institute for Discovery Symposium, University of Wisconsin-Madison, WI., USA	2022, 2023
[3] Midwest Machine Learning Symposium, University of Illinois Chicago, IL., USA	2023
[4] Workshop in Mathematical and Computational Biology*	2022
[5] Annual Conference of the Korean Association of Biological Sciences, South Korea*	2021
[6] iEvoBio (Informatics for Phylogenetics, Evolution and Biodiversity), Evolution Meeting*	2021
[7] Workshop in Mathematical and Computational Biology*	2021
[8] SMRT Leiden 2021 – Young Investigator Virtual Conference*	2021
[9] Virtual Asilomar 2021, American Society of Naturalists*	2021
[10] Future of Systematics Workshop at SSB Standalone Meeting, University of Florida, Gainesville, FL., USA	2020
[11] SSB Standalone Meeting, Gainesville, FL., USA	2020
[12] Evolution Meeting, Providence, RI., USA	2019
[13] Midwest Phylogenetics Workshop, Itasca Biological Station, University of Minnesota, MN., USA	2019
[14] Annual Conference of the Korean Association of Biological Sciences, Yong-In, South Korea	2017
[15] Society for Conservation Biology (SCB) Asia Section, Workshop on Conservation policy, Bangkok, Thailand	2017
[16] World Congress of Herpetology, Hangzhou and Tonglu, China	2016
[17] Phylogenomics Symposium and Software School at SSB Standalone Meeting, University of Michigan, Ann Arbor, MI., USA	2015

DIVERSITY AND
INCLUSION
ACTIVITIES

Participation with a role

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|---|------|
| [1] Joint Congress on Evolutionary Biology, Montréal, Quebec, Canada
<i>Participated as EvoAllies for safe and inclusive meeting</i> | 2024 |
| [2] International Mixer, Evolution Meeting*
<i>Moderator</i> | 2021 |
| [3] Decolonizing Evolution Workshop, Evolution Meeting*
<i>Moderator</i> | 2021 |
| [4] Strategies for Responding to Harassment and Bullying:
Improving Workplace Climate, Evolution Community Resources for
Early Career Researchers 2020 (ECR ²)*
<i>Moderator</i> | 2020 |
| [5] Fireside ECR Chat, ECR ² *
<i>Moderator</i> | 2020 |

Participant

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|---|------|
| [1] International Mixer, Evolution Meeting, Cleveland, OH., USA | 2022 |
| [2] Transformative Justice within Academia:
A radical institutional reflection, The Centre for Criminology and
Sociolegal Studies Graduate Student Conference, University of Toronto* | 2021 |

GRANTS AND
AWARDS

All in US Dollars unless stated. †Canadian Dollar; ‡Converted from South Korean Won
Total amount of funding received up to date ≈US\$87,000

Highlights

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| [1] ICERM Semester Postdoctoral Fellowship, Brown University [\$36,600] | 2024 |
| [2] The Presidential Fellowship, The Ohio State University [\$36,500] | 2022 |
| [3] SSB Ad Hoc Funds [\$3,000] | 2021 |
| [4] SSE Graduate Research Excellence Grant [\$1,800]
<i>R.C. Lewontin Award competition</i> | 2020 |
| [5] University of Toronto Graduate Fellowship | 2013–2015 |
| [6] E.M. Walker Graduate Award in Biodiversity, University of Toronto [\$2,615†] | 2014 |

Other grants

- | | |
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| [1] Funding for participation in Algebraic Methods in Phylogenetics Workshop (NSF) | 2024 |
| [2] UW-Madison Department of Plant Pathology Travel Award [\$500] | 2024 |
| [3] EvolCompGen Best Poster Award, ISMB, ISCB [\$100] | 2022 |
| [4] EEOB Graduate Development Grant, The Ohio State University [Funded] | 2022 |
| [5] EEOB Graduate Evolution & Ecology Student Organization (GEES)
Career Development Grant, The Ohio State University [\$200] | 2022 |
| [6] Council of Graduate Students (CGS) Career Development Grant,
The Ohio State University [\$350] | 2022 |
| [7] EEOB Darwin Talk Society Membership Grant, The Ohio State University [\$70] | 2021 |
| [8] EEOB Graduate Development Grant, The Ohio State University [Funded] | 2021 |
| [9] Funding for participation in Future of Systematics Workshop,
SSB Standalone Meeting (NSF) [\$500] | 2020 |

	[10] Funding for participation in Midwest Phylogenetics Workshop (NSF) [Funded]	2019
	[11] EEOB Graduate Development Grant, The Ohio State University [Funded]	2019
	[12] University of Toronto Undergraduate Bursaries [$\dagger \approx \$3,000$]	2010–2012
OUTREACH AND SERVICE	[1] The Society’s Graduate Student Research Awards <i>Reviewer</i>	2024
	[2] Junior science café, Morgridge Institute for Research, WI., USA <i>Scientist</i>	2023
	[3] EEOB 8894: EEOB Graduate seminar, The Ohio State University <i>Invited Panelist</i>	2020
	[4] Museum of Biological Diversity’s open house, The Ohio State University <i>Volunteer</i>	2019
	[5] Department of EEOB, The Ohio State University <i>Graduate studies Committee</i>	2020–2021
	[6] Department of EEOB, The Ohio State University <i>Admissions Committee</i>	2019–2020
	[7] SCB, South Korean Chapter <i>Communication Officer</i>	2016–2017
	[8] Kuang Si Butterfly Park, Ban Thapene, Luang Prabang District, Laos <i>Volunteer Biologist</i>	2016, 2022
PEER-REVIEW ACTIVITIES	Review Editor on the Editorial Board of Evolutionary Systems Biology (specialty section of Frontiers in Systems Biology). Reviewer at Systematic Biology; Molecular Biology and Evolution; Genome Biology and Evolution; Scientific Reports; Molecular Phylogenetics and Evolution; Philosophical Transactions B; Infection, Genetics and Evolution; PLOS Computational Biology; F1000Research; Journal of Mathematical Biology; Bulletin of Mathematical Biology; Ecology and Evolution; Zoological Systematics; Functional & Integrative Genomics	
ACTIVE PROFESSIONAL MEMBERSHIPS	Society of Systematic Biologists; Society for Study of Evolution; International Society for Computational Biology	
SKILLS	Programming: UNIX, R, Python, Julia, HTML, JavaScript Typesetting: \LaTeX , R Markdown, Jupyter Notebook Languages: English (Fluent), Korean (Native), Japanese (Intermediate)	
REFERENCES	[1] Dr. Laura S. Kubatko (Ph.D. advisor) Department of Statistics and Department of Evolution, Ecology, and Organismal Biology The Ohio State University 219 Cockins Hall, Columbus, OH., 43210, USA lkubatko@stat.osu.edu +1 614-247-8846 [2] Dr. Claudia Solís-Lemus (Postdoc advisor) Wisconsin Institute for Discovery Department of Plant Pathology University of Wisconsin-Madison 330 N. Orchard St., Madison, WI., 53715, USA	

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