

## **BII – Protein Sequence Analysis Group Publications**

*\*\* (Publications sorted: Newest – Oldest)*

1.	<b>Chua AQ, Al Knawy B, Grant B, Legido-Quigley H, Lee WC, Leung GM, Looi MK, Maurer-Stroh S.</b> <a href="#">How the lessons of previous epidemics helped successful countries fight covid-19.</a> BMJ. 2021 Mar 11;372:n486. doi: 10.1136/bmj.n486. PMID: 33707174.
2.	<b>Min N, Ong YHB, Han AX, Ho SX, Yen EWP, Ban KHK, Maurer-Stroh S, Chong CY, Chu JH.</b> <a href="#">An epidemiological surveillance of hand foot and mouth disease in paediatric patients and in community: A Singapore retrospective cohort study, 2013-2018.</a> PLOS Neglected Tropical Diseases, 2021 Feb 10;15(2):e0008885. doi: 10.1371/journal.pntd.0008885. PMID: 33566802
3.	<b>Zhang C, Chen X, Lee RTC, T R, Maurer-Stroh S, Rühl M.</b> <a href="#">Bioinformatics-aided identification, characterization and applications of mushroom linalool synthases.</a> Communications Biology 2021 Feb 17;4(1):223. doi: 10.1038/s42003-021-01715-z. PMID: 33597725
4.	<b>Lee CY, Amrun SN, Chee RS, Goh YS, Mak TM, Octavia S, Yeo NK, Chang ZW, Tay MZ, Torres-Ruesta A, Carissimo G, Poh CM, Fong SW, Bei W, Lee S, Young BE, Tan SY, Leo YS, Lye DC, Lin RT, Maurer-Stroh S, Lee B, Wang CI, Renia L, Ng LF.</b> <a href="#">Human neutralising antibodies elicited by SARS-CoV-2 non-D614G variants offer cross-protection against the SARS-CoV-2 D614G variant.</a> Clinical & Translational Immunology 2021 Feb 22;10(2):e1241. doi: 10.1002/cti2.1241, PMID: 33628442
5.	<b>Bose U, Broadbent JA, Juhasz A, Karnaneedi S, Johnston EB, Stockwell S, Bryne K, Limviphuvadh V, Maurer-Stroh S, Lopata AL, Colgrave ML.</b> <a href="#">Protein extraction protocols for optimal proteome measurement and arginine kinase quantitation from cricket Acheta domesticus for food safety assessment.</a> Food Chemistry Vol. 348, 30 Jun 2021, doi: 10.1016/j.foodchem.2021.129110
6.	<b>Koel BF, Vigeveno RM, Pater M, Koekkoek SM, Han AX, Tuan HM, Anh TTN, Hung NT, Thinh LQ, Hai LT, Ngoc HTB, Chau NVV, Ngoc NM, Chokephaibulkit K, Puthavathana P, Kinh NV, Trinh T, Lee RTC, Maurer-Stroh S, Eggink D, Thanh TT, Tan LV, van Doorn HR, de Jong MD.</b> <a href="#">Longitudinal sampling is required to maximize detection of intrahost A/H3N2 virus variants.</a> Virus Evolution, Volume 6, Issue 2, July 2020, veaa088, PMID: 33343927, <a href="https://doi.org/10.1093/ve/veaa088">https://doi.org/10.1093/ve/veaa088</a>
7.	<b>Farrukee R, Tai CM, Oh DY, Anderson DE, Gunalan V, Hibberd M, Lau GY, Barr IG, Messling VV, Maurer-Stroh S, Hurt AC.</b> <a href="#">Utilising animal models to evaluate oseltamivir efficacy against influenza A and B viruses with reduced in vitro susceptibility.</a> PLoS Pathogens 2020 Jun 18;16(6):e1008592. doi: 10.1371/journal.ppat.1008592, PMID: 32555740
8.	<b>Krutz NL, Kimber I, Maurer-Stroh S, Gerberick GF.</b> <a href="#">Determination of the relative allergenic potency of proteins: hurdles and opportunities.</a> Critical Reviews in Toxicology. 2020 Jul;50(6):521-530. doi: 10.1080/10408444.2020.1793895, PMID: 32729356

9.	<b>Zheng Z, Monteil VM, Maurer-Stroh S, Yew CW, Leong C, Mohd-Ismail NK, Cheyyatraivendran Arularasu S, Chow VTK, Lin RTP, Mirazimi A, Hong W, Tan YJ.</b> <a href="#">Monoclonal antibodies for the S2 subunit of spike of SARS-CoV-1 cross-react with the newly-emerged SARS-CoV-2.</a> Euro Surveill. 2020 Jul;25(28):2000291. doi: 10.2807/1560-7917.ES.2020.25.28.2000291, PMID: 32700671
10.	<b>Young BE, Fong SW, Chan YH, Mak TM, Ang LW, Anderson DE, Lee CY, Amrun SN, Lee B, Goh YS, Su YCF, Wei WE, Kalimuddin S, Chai LYA, Pada S, Tan SY, Sun L, Parthasarathy P, Chen YYC, Barkham T, Lin RTP, Maurer-Stroh S, Leo YS, Wang LF, Renia L, Lee VJ, Smith GJD, Lye DC, Ng LFP.</b> <a href="#">Effects of a major deletion in the SARS-CoV-2 genome on the severity of infection and the inflammatory response: an observational cohort study.</a> Lancet. 2020 29 August-4 September; 396(10251): 603–611. Published online 2020 Aug 18. doi: 10.1016/S0140-6736(20)31757-8, PMID: 32822564
11.	<b>Alm E, Broberg EK, Connor T, Hodcroft EB, Komissarov AB, Maurer-Stroh S, Melidou A, Neher RA, O'Toole Á, Pereyaslov D; WHO European Region sequencing laboratories and GISAID EpiCoV group; WHO European Region sequencing laboratories and GISAID EpiCoV group.</b> <a href="#">Geographical and temporal distribution of SARS-CoV-2 clades in the WHO European Region, January to June 2020.</a> Euro Surveill. 2020 Aug;25(32):2001410. doi: 10.2807/1560-7917.ES.2020.25.32.2001410, PMID: 32794443
12.	<b>Bauer DC, Metke-Jimenez A, Maurer-Stroh S, Tiruvayipati S, Low W, Jain Y, Perrin A, Ebrill K, Hansen DP, Vasan SS.</b> <a href="#">Interoperable medical data: the missing link for understanding COVID-19.</a> Transboundary and Emerging Diseases, 2020 Oct 23. doi: 10.1111/tbed.13892, PMID: 33095970
13.	<b>Kim PR, Koon YL, Lee TCR, Azizan F, Koh HZD, Chiam KH, Koh CG.</b> <a href="#">Phosphatase POPX2 interferes with cell cycle by interacting with Chk1.</a> Cell Cycle, Vol. 19, 2020, Issue 4, doi: 10.1080/15384101.2020.1711577
14.	<b>Hochreiter B, Chong CS, Hartig A, Maurer-Stroh S, Berger J, Schmid JA, Kunze M.</b> <a href="#">A Novel FRET Approach Quantifies the Interaction Strength of Peroxisomal Targeting Signals and Their Receptor in Living Cells.</a> Cells 2020, 9(11), 2381; doi: 10.3390/cells9112381
15.	<b>Young TL, Whisenhunt KN, Jin J, LaMartina SM, Martin SM, Souma T, Limviphuvadh V, Suri F, Souzeau E, Zhang X, Dan Y, Anagnos E, Carmona S, Jody NM, Stangel N, Higuchi EC, Huang SJ, Siggs OM, Simões MJ, Lawson BM, Martin JS, Elahi E, Narooie-Nejad M, Motlagh BF, Quaggin SE, Potter HD, Silva ED, Craig JE, Egas C, Maroofian R, Maurer-Stroh S, Bradfield YS, Tompson SW.</b> <a href="#">SVEP1 as a Genetic Modifier of TEK-Related Primary Congenital Glaucoma.</a> Investigative Ophthalmology & Visual Science, October 2020, Vol. 61, 6, doi: 10.1167/iovs.61.12.6
16.	<b>Jaladanki CK, He Y, Zhao LN, Maurer-Stroh S, Loo LH, Song HW, Fan H.</b> <a href="#">Virtual screening of potentially endocrine-disrupting chemicals against nuclear receptors and its application to identify PPAR<math>\gamma</math>-bound fatty acids.</a> Arch Toxicol (2020). <a href="https://doi.org/10.1007/s00204-020-02897-x">https://doi.org/10.1007/s00204-020-02897-x</a>

17.	<b>Watanabe H, Ng CH, Limviphuvadh V, Suzuki S, Yamada T.</b> <a href="#">Gluconobacter dominates the gut microbiome of the Asian palm civet Paradoxurus hermaphroditus that produces kopi luwak.</a> PeerJ 8:e9579 <a href="https://doi.org/10.7717/peerj.9579">https://doi.org/10.7717/peerj.9579</a>
18.	<b>Mahoney C, Ashton RS, Birk B, Boobis AR, Cull T, Dashton GP, Ewart L, Knudsen TB, Manou I, Maurer-Stroh S, Margiotta-Casaluci L, Muller BP, Nordlund Par, Roberts RA, Steger-Hartmann T, Vandenbossche E, Vlant Mark R, Vinken M, Whelan M, Zvonimir Z, Cronin MTD. (2020).</b> <a href="#">Whole Cell Modeling - fundamental basis and applications Electronic Cell Environments: Combining Gene, Protein and Metabolic Networks Computer Simulation of the Cell Enhanced Quality and Quantity of retrieval of Critically Appraised.</a> Regulatory Toxicology and Pharmacology, Vol. 114, Jul 2020, doi: 10.1016/j.yrtph.2020.104668
19.	<b>Pung R, Chiew CJ, Young BE, Chin S, Chen MI, Clapham HE, Cook AR, Maurer-Stroh S, Toh MPHS, Poh C, Low M, Lum J, Koh VTJ, Mak TM, Cui L, Lin RVTP, Heng D, Leo YS, Lye DC, Lee VJM; Singapore 2019 Novel Coronavirus Outbreak Research Team. (2020).</b> <a href="#">Investigation of three clusters of COVID-19 in Singapore: implications for surveillance and response measures - Singapore 2019 Novel Coronavirus Outbreak Research Team.</a> Lancet 2020, Vol. 395, Issue 10229, Pg 1039-1046, March 28, 2020, doi: 10.1016/S0140-6736(20)30528-6
20.	<b>Okada P, Buathong R, Phuygun S, Thanadachakul T, Parnmen S, Wongboot W, Waicharoen S, Wacharapluesadee S, Uttayamakul S, Vachiraphan A, Chittaganpitch M, Mekha N, Janejai N, Iamsirithaworn S, Lee RT, Maurer-Stroh S (2020).</b> <a href="#">Early transmission patterns of coronavirus disease 2019 (COVID-19) in travellers from Wuhan to Thailand.</a> Eurosurveillance, Vol. 25, Issue 8, 27 Feb 2020, doi: 10.2807/1560-7917.ES.2020.25.8.2000097
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22.	<b>Han AX, Parker E, Maurer-Stroh S, Russell CA (2020).</b> <a href="#">Inferring putative transmission clusters with Phydelyty.</a> Virus Evolution, Vol. 5, Issue 2, Jul, 2019, doi: 10.1093/ve/vez039
23.	<b>Barr IG, Deng YM, Grau ML, Han AX, Gilmour R, Irwin M, Markey P, Freeman K, Higgins G, Turra M, Komadina N, Peck H, Booy R, Maurer-Stroh S, Dhanasekaran V, Sullivan S. (2019).</b> <a href="#">Intense interseasonal influenza outbreaks, Australia, 2018/19.</a> Eurosurveillance, Volume 24, Issue 33, 15 Aug 2019, DOI: 10.2807/1560-7917.ES.2019.24.33.1900421
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25.	<b>Niska-Blakie J, Gopinathan L, Low KN, Yang LK, Goh CMF, Caldez MJ, Pfeifferberger E, Jones OS, Ong CB, Kurochkin IV, Coppola V, Tessarollo L, Choi H, Kanagasundaram Y, Eisenhaber F, Maurer-Stroh S, Kaldis P. (2019).</b> <a href="#">Knockout of the non-essential gene SUGCT creates diet-linked, age-related microbiome disbalance with a diabetes-like</a>

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