

FR AIB - Publications 2023	Laboratoires	IF 2021	Liens
Agudelo MG, Ruiz B, Capela D, Remigi P (2023). The role of microbial interactions on rhizobial fitness. <i>Frontiers in Plant Science</i> , 14: 1277262.	LIPME	-	6,627 https://doi.org/10.3389/fpls.2023.1277262
Ahmed HI, Heuberger M, Schoen A, Koo D-H, Quiroz-Chavez J, Adhikari L, Raupp J, Cauet S, Rodde N, Cravero C, Callot C, Lazo GR, Kathiresan N, Sharma PK, Moot I, Yadav IS, Singh L, Saripalli G, Rawat N, Datla R, Athiyannan N, Ramirez-Gonzalez RH, Uauy C, Wicker T, Tiwari VK, Abrouk M, Poland J, Krattinger SG (2023). Einkorn genomics sheds light on history of the oldest domesticated wheat. <i>Nature</i> , 620: 830-838.	CNRGV	-	69,504 https://www.nature.com/articles/s41586-023-06389-7
Althiab-Almasaud R, Teyssier E, Chervin C, Johnson MA, Mollet J-C (2023). Pollen viability, longevity, and function in angiosperms: Key drivers and prospects for improvement. <i>Plant Reproduction</i> , Doi: 10.1007/s00497-023-00484-5.	LRSV	-	4,217 https://doi.org/10.1007/s00497-023-00484-5
Alvarez-Codesal S, Faillace CA, Garreau A, Bestion E, Synodinos AD, Montoya JM (2023). Thermal mismatches explain consumer-resource dynamics in response to environmental warming. <i>Ecology and Evolution</i> , 13: e10179.	SETE	-	3,167 https://doi.org/10.1002/ece3.10179
Antunes DF, Stettler PR, Barbara T (2023). The role of serotonin in modulating social competence in a cooperatively breeding fish. <i>Behavioural Brain Research</i> , 114819.	EDB	-	3,352 https://doi.org/10.1016/j.bbr.2023.114819
Arbouche N, De Lestrage A, Hacquet R, Ricaut F-X, Raul J-S, Kintz P (2023). Testing secular ayahuasca bottles: Determination of the composition of the active substances after 100 years of storage. <i>Toxicologie Analytique Et Clinique</i> , 35: 328-334.	EDB	-	- https://doi.org/10.1016/j.toxac.2023.07.004
Arico DS, Dickmann JEM, Hamant O, Canut H (2023). The plasma membrane - cell wall nexus in plant cells: Focus on the Hechtian structure. <i>Cell Surface</i> , 10: 100115.	LRSV	-	- https://doi.org/10.1016/j.tcs.2023.100115
Arranz I, Cucherousset J (2023). Climate warming effects on stream-fish size spectra are modulated by other perturbations. <i>Nature Ecology & Evolution</i> , 7: 977-978.	EDB	-	19,1 https://doi.org/10.1038/s41559-023-02085-x
Arranz I, Grenouillet G, Cucherousset J (2023). Biological invasions and eutrophication reshape the spatial patterns of stream fish size spectra in France. <i>Diversity and Distributions</i> , 29: 590-597.	EDB	-	5,717 https://doi.org/10.1111/ddi.13681
Arranz I, Grenouillet G, Cucherousset J (2023). Human pressures modulate climate-warming-induced changes in size spectra of stream fish communities. <i>Nature Ecology & Evolution</i> , 7: 1072-1078.	EDB	-	19,1 https://doi.org/10.1038/s41559-023-02083-z
Attar F, Sotoodeh A, Mirtadzadini M, Daemi M, Civeyrel L (2023). New findings in <i>Onosma</i> section <i>Protonosma</i> (Boraginaceae) using morphological and molecular evidence. <i>Botany Letters</i> , 170: 285-302.	EDB	-	1,566 https://doi.org/10.1080/23818107.2023.2166581
Aubier TG, Bürger R, Servedio MR (2023). The effectiveness of pseudomagic traits in promoting premating isolation. <i>Proceedings of the Royal Society B-Biological Sciences</i> , 290: 20222108.	EDB	-	5,53 https://doi.org/10.1098/rspb.2022.2108
Aubier TG, Galipaud M (2023). Senescence evolution under the catastrophic accumulation of deleterious mutations. <i>Evolution Letters</i> , DOI10.1093/evlett/grad050.	EDB	-	6,494 https://doi.org/10.1093/evlett/grad050
Badrana L, Burlat V, Montanier CY (2023). CBMs as probes to explore plant cell wall heterogeneity using immunocytochemistry. <i>Methods in Molecular Biology</i> , 2657: 163-179.	LRSV	-	- https://doi.org/10.1007/978-1-0716-3151-5_12
Baroukh C, Cottret L, Pires E, Peyraud R, Guidot A, Genin S (2023a). Insights into the metabolic specificities of pathogenic strains from the <i>Ralstonia solanacearum</i> species complex. <i>mSystems</i> , e0008323	LIPME	-	7,328 https://doi.org/10.1128/msystems.00083-23

Barragan-Jason G, Hopfensitz A (2023). Self-control is negatively linked to prosociality in young children. <i>Journal of Behavioral Decision Making</i> , e2314.	SETE	-	2,508	https://doi.org/10.1002/bdm.2314
Barragan-Jason G, Loreau M, de Mazancourt C, Singer MC, Parmesan C (2023). Psychological and physical connections with nature improve both human well-being and nature conservation : a systematic review of meta-analyses. <i>Biological Conservation</i> , 277: 109842.	SETE	-	7,497	https://doi.org/10.1016/j.biocon.2022.109842
Becker C, Berthomé R, Delavault P, Flutre T, Fréville H, Gibot-Leclerc S, Le Corre V, Morel J-B, Moutier N, Muñoz S, Richard-Molard C, Westwood J, Courty P-E, de Saint Germain A, Louarn G, Roux F, International Plantcom Network (2023). The ecologically relevant genetics of plant-plant interactions. <i>Trends in Plant Science</i> , 28: 31-42.	LIPME	-	22,012	https://doi.org/10.1016/j.tplants.2022.08.014
Bellec A, Dia Sow M, Pont C, Civan P, Mardoc E, Duchemin W, Armisen D, Huneau C, Thévenin J, Vernoud V, Depège-Fargeix N, Maunas L, Escale B, Dubreucq B, Rogowsky P, Bergès H, Salse J (2023). Tracing 100 million years of grass genome evolutionary plasticity. <i>Plant Journal</i> , 114: 1243-1266.	CNRGV	-	7,091	https://doi.org/10.1111/tpj.16185
Bellec A, Sow MD, Pont C, Civan P, Mardoc E, Duchemin W, Armisen D, Huneau C, Thévenin J, Vernoud V, Depège-Fargeix N, Maunas L, Escale B, Dubreucq B, Rogowsky P, Bergès H, Salse J (2023). Tracing 100 million years of grass genome evolutionary plasticity. <i>Plant Journal</i> , 114: 1243-1266.	CNRGV	-	7,091	https://doi.org/10.1111/tpj.16185
Bels V, Le Floch G, Kirchhoff F, Gastebois G, Davenport J, Baguette M (2023). Food transport in Reptilia: A comparative viewpoint. <i>Philosophical Transactions of the Royal Society B-Biological Sciences</i> , 378: 20220542.	SETE	-	3,586	https://doi.org/10.1098/rstb.2022.0542
Berdan EL, Aubier TG, Cozzolino S, Faria R, Feder JL, Gimenez MD, Joron M, Searle JB, Merot C (2024). Structural variants and speciation: Multiple processes at play. <i>Cold Spring Harbor Perspectives in Biology</i> , Doi: 10.1101/cshperspect.a041446.	EDB	-	9,708	https://cshperspectives.cshlp.org/content/early/2023/12/05/cshperspect.a041446.abstract
Bernoux M, Chen J, Zhang X, Newell K, Hu J, Deslandes L, Dodds P (2023). Subcellular localization requirements and specificities for plant immune receptor Toll-interleukin-1 receptor (TIR) signaling. <i>Plant Journal</i> , 114: 1319-1337.	LIPME	-	7,091	https://doi.org/10.1111/tpj.16195
Berrabah F, Bernal G, Elhosseyn A-S, El Kassis C, L'Horset R, Benaceur F, Wen J, Mysore KS, Garmier M, Gourion B, Ratet P, Gruber V (2023). Insight into the control of nodule immunity and senescence during <i>Medicago truncatula</i> symbiosis. <i>Plant Physiology</i> , 191: 729-746.	LIPME	-	8,005	https://doi.org/10.1093/plphys/kiac505
Besnard G, Hong-Wa C, Médail F (2023). On the taxonomic subdivision of the Brown Olive from Africa and Asia through the reinstatement of <i>Olea europaea</i> subsp. <i>africana</i> (Mill.) P.S. Green. <i>Botany Letters</i> , Doi: 10.1080/23818107.2023.2248234.	EDB	-	1,566	https://doi.org/10.1080/23818107.2023.2248234
Bestion E, San-Jose LM, Di Gesu L, Richard M, Sinervo B, Côte J, Calvez O, Guillaume O, Cote J (2023). Plastic responses to warmer climates: A semi-natural experiment on lizard populations. <i>Evolution</i> , qpad070.	SETE	EDB	4,171	https://doi.org/10.1093/evolut/qpad070
Blanchet S, Fargeot L, Raffard A (2023). Phylogenetically-conserved candidate genes unify biodiversity-ecosystem function relationships and eco-evolutionary dynamics across biological scales. <i>Molecular Ecology</i> , 32: 4467-4481.	SETE	-	6,622	https://doi.org/10.1111/mec.17043

Bodelot A, Chavonet E, Brisset MN, Dousset N, Ravon E, Heintz C, Berthomé R, Zaffuto M, Kempf M, Foulon M, Marion E, Vergne E, Degrave A (2023). Overexpression of an apple broad range agglutinating lectin does not promote <i>in planta</i> resistance to fire blight and bacterial wilt. <i>Journal of Plant Pathology</i> , Doi: 10.1007/s42161-023-01479-x.	LIPME	-	2,643	https://doi.org/10.1007/s42161-023-01479-x
Bogdziewicz M, [...] Chave J, [...] Clark JS (2023). Linking seed size and number to trait syndromes in trees. <i>Global Ecology and Biogeography</i> , 32: 683-694.	EDB	-	6,909	https://doi.org/10.1111/geb.13652
Bollier N, Micol-Ponce R, Dakdaki A, Maza E, Zouine M, Djari A, Bouzayen M, Chevalier C, Delmas F, Gonzalez N, Hernould M (2023). Various tomato cultivars display contrasting morphological and molecular responses to a chronic heat stress. <i>Frontiers in Plant Science</i> , 14: 1278608.	LRSV	-	6,627	https://doi.org/10.3389/fpls.2023.1278608
Bourget MY, Fanin N, Fromin N, Hattenschwiler S, Roumet C, Shihan A, Huys R, Sauvadet M, Freschet GT (2023). Plant litter chemistry drives long-lasting changes in the catabolic capacities of soil microbial communities. <i>Functional Ecology</i> , 37: 2014-2028.	SETE	-	6,282	https://doi.org/10.1111/1365-2435.14379
Brearley FQ, Roy M, Vasco-Palacios AM (2023). Dipterocarps, ectomycorrhizal fungi, and monodominant forests: Not such a simple story? <i>Trends in Plant Science</i> , 28: 1333-1334.	EDB	-	22,012	https://doi.org/10.1016/j.tplants.2023.08.015
Breeze E, Vale V, McLellan H, Pecrix Y, Godiard L, Grant M, Frigerio L (2023). A tell tail sign: A conserved C-terminal tail-anchor domain targets a subset of pathogen effectors to the plant endoplasmic reticulum. <i>Journal of Experimental Botany</i> , 74: 3188–3202.	LIPME	-	7,298	https://doi.org/10.1093/jxb/erad075
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Burlat V, Papon N, Courdavault V (2023). Medicinal plants enter the single-cell multi-omics era. <i>Trends in Plant Science</i> , 28: 1205-1207.	LRSV	-	22,012	https://doi.org/10.1016/j.tplants.2023.08.005
Caldas B, Thieme ML, Shahbol N, Coelho ME, Grill G, Van Damme PA, Aranha R, Canas C, Fagundes CK, Franco-Leon N, Herrera-Collazos EE, Jézéquel C, Montoya M, Mosquera-Guerra F, Oliveira-da-Costa M, Paschoalini M, Petry P, Oberdorff T, Trujillo F, Tedesco PA, Ribeiro M (2023). Identifying the current and future status of freshwater connectivity corridors in the Amazon basin. <i>Conservation Science and Practice</i> , 5: e12853.	EDB	-	3,574	https://doi.org/10.1111/csp2.12853
Calderon-Gonzalez A, Perez-Vich B, Pouilly N, Boniface M-C, Louarn J, Velasco L, Muños S (2023). Association mapping for broomrape resistance in sunflower. <i>Frontiers in Plant Science</i> , 13: 1056231.	LIPME	-	6,627	https://doi.org/10.3389/fpls.2022.1056231
Cambon MC, Cartry D, Chancerel E, Ziegler C, Levionnois S, Coste S, Stahl C, Delzon S, Buée M, Burban B, Casal J, Fort T, Goret J-Y, Heuret P, Léger P, Louisanna E, Ritter Y, Bonal D, Roy M, Schimann H, Vacher C (2023). Drought tolerance traits in neotropical trees correlate with the composition of phyllosphere fungal communities. <i>Phytobiomes Journal</i> , 7: 244-258.	EDB	-	5,19	https://doi.org/10.1094/PBIOMES-04-22-0023-R
Camuel A, Teulet A, Carcagno M, Haq F, Pacquit V, Gully D, Pervent M, Chaintreuil C, Fardoux J, Horta-Araujo N, Okazaki S, Ratu STN, Gueye F, Zilli J, Nouwen N, Arrighi J-F, Luo H, Mergaert P, Deslandes L, Giraud E (2023). Widespread <i>Bradyrhizobium</i> distribution of diverse Type III effectors that trigger legume nodulation in the absence of Nod factor. <i>ISME Journal</i> , 17: 1416–1429.	LIPME	-	11,217	https://doi.org/10.1038/s41396-023-01458-1

Cantera I, Jézéquel C, Dejean T, Muriene J, Vigouroux R, Valentini A, Brosse S (2023). Deforestation strengthens environmental filtering and competitive exclusion in Neotropical streams and rivers. <i>Proceedings of the Royal Society B-Biological Sciences</i> , 290: 20231130.	EDB	-	5,53	https://doi.org/10.1098/rspb.2023.1130
Cantera I, Jézéquel C, Dejean T, Muriene J, Vigouroux R, Valentini A, Brosse S (2023). Functional responses to deforestation in fish communities inhabiting neotropical streams and rivers. <i>Ecological Processes</i> , 12: 52.			4,394	https://doi.org/10.1186/s13717-023-00463-8
Carrère S, Mayjonade B, Lalanne D, Gaillard S, Verdier J, Chen NWG (2023). First whole genome assembly and annotation of a European common bean cultivar using PacBio HiFi and Iso-Seq data. <i>Data in Brief</i> , 48: 109182.	LIPME	-	-	https://doi.org/10.1016/j.dib.2023.109182
Carvajal-Quintero J, Comte L, Giam X, Olden JD, Brose U, Eros T, Filipe AF, Fortin MJ, Irving K, Jacquet C, Larsen S, Ruhi A, Sharma S, Villalobos F, Tedesco PA (2023). Scale of population synchrony confirms macroecological estimates of minimum viable range size. <i>Ecology Letters</i> , 26: 291-301.	EDB	-	11,274	https://doi.org/10.1111/ele.14152
Castagné P, Paz-Vinas I, Boulêtreau S, Ferriol J, Loot G, Veysière C, Arlinghaus R, Britton R, Chiarello M, Garcia-Berthou E, Horky P, Nicolas D, Nocita A, Nordahl O, Ovidio M, Ribeiro F, Slavik O, Vagnon C, Blanchet S, Santoul F (2023). Patterns of genetic variation in native and non-native populations of european catfish silurus glanis across europe. <i>Biodiversity and Conservation</i> , 32: 2127–2147.	EDB	SETE	4,296	https://doi.org/10.1007/s10531-023-02596-w
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Cazalis V, Loreau M, Barragan-Jason G (2023). A global synthesis of trends in human experience of nature. <i>Frontiers in Ecology and the Environment</i> , 21: 85-93.	SETE	-	13,789	https://doi.org/10.1002/fee.2540
Chaber A-L, Moloney GK, Renault V, Morrison-Lanjouw S, Garigliany M, Flandroy L, Pires D, Busoni V, Saegerman C, Gaubert P (2023). Examining the international bushmeat traffic in Belgium: A threat to conservation and public health. <i>One Health</i> , 17: 100605.	EDB	-	9	https://doi.org/10.1016/j.oneht.2023.100605
Chang Z, Fan L, Wigner J-P, Wang Y-P, Ciais P, Chave J, Fensholt R, Chen JM, Yuan W, Ju W, Li X, Jiang F, Wu M, Chen X, Qin Y, Frappart F, Li X, Wang M, Liu X, Tang X, Hobeichi S, Yu M, Ma M, Wen J, Xiao Q, Shi W, Liu D, Yan J (2023). Estimating aboveground carbon dynamic of China using optical and microwave remote-sensing datasets from 2013 to 2019. <i>Journal of Remote Sensing</i> , 3: 0005.	EDB	-	-	https://spj.science.org/doi/10.34133/remotesensing.0005
Chao L, Liu Y, Zhang W, Wang Q, Guan X, Yang Q, Chen L, Zhang J, Hu B, Liu Z, Wang S, Freschet GT (2023). Root functional traits determine the magnitude of the rhizosphere priming effect among eight tree species. <i>Oikos</i> , 2023: e09638.	SETE	-	4,254	https://doi.org/10.1111/oik.09638
Chervin C, Geffroy O (2023). Ethylene impact on grapevine pistil temperature and fruit set. <i>Journal of Plant Growth Regulation</i> , 42: 5433–5437.	LRSV	PPGV	4,64	https://doi.org/10.1007/s00344-023-10942-z
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Chirinos X, Ying S, Rodrigues MA, Maza E, Djari A, Hu G, Liu M, Purgatto E, Fournier S, Regad F, Bouzayen M, Pirrello J (2023). Transition to ripening in tomato requires hormone-controlled genetic reprogramming initiated in gel tissue. <i>Plant Physiology</i> , 191: 610-625.	LRSV	-	8,005	https://doi.org/10.1093/plphys/kiac464

Chrea S, Tudesque L, Chea R (2023). Comparative assessment of water quality classification techniques in the largest north-western river of Cambodia (Sangker River-Tonle Sap Basin). <i>Ecological Indicators</i> , 154: 110759.	EDB	-	6,263	https://doi.org/10.1016/j.ecolind.2023.110759
Conde e Silva N, Leguilloux M, Bellec A, Rodde N, Aubert J, Manicacci D, Damerval C, Bergès H, Deveaux Y (2023). A MITE insertion abolishes the AP3-3 self-maintenance regulatory loop in apetalous flowers of <i>Nigella damascena</i> . <i>Journal of Experimental Botany</i> , 74: 1448-1459.	CNRGV	-	7,298	https://doi.org/10.1093/jxb/erac489
Corenblit D, Corbara B, Lala K, Phillips JD, Pocheville A, Roussel E, Steiger J, Viles HA (2023). Revisiting the geomorphological-biological divide: An introspective biogeomorphological perspective. <i>Earth Surface Processes and Landforms</i> , Doi: 10.1002/esp.5729.	EDB	-	3,956	https://doi.org/10.1002/esp.5729
Cornelissen JHC, Cornwell WK, Freschet GT, Weedon JT, Berg MP, Zanne AE (2023). Coevolutionary legacies for plant decomposition. <i>Trends in Ecology & Evolution</i> , 38: 44-54.	SETE	-	20,589	https://doi.org/10.1016/j.tree.2022.07.008
Correa DF, [...], Chave J, [...] V, ter Steege H (2023). Geographic patterns of tree dispersal modes in Amazonia and their ecological correlates. <i>Global Ecology and Biogeography</i> , 32: 46-69.	EDB	-	6,909	https://doi.org/10.1111/geb.13596
Coste C, Lamaze T, Grenouillet G, Chauvet E (2023). Vertical and altitudinal distribution patterns of hydrophilic saxicolous lichens across French streams. <i>Acta Oecologica-International Journal of Ecology</i> , 120: 103936.	EDB	-	1,93	https://doi.org/10.1016/j.actao.2023.103936
Côte J, Poulet N, Blanc L, Grenouillet G (2023). Disentangling the effects of different human disturbances on multifaceted biodiversity indices in freshwater fish. <i>Ecological Applications</i> , e2845.	EDB	-	6,105	https://doi.org/10.1002/eap.2845
Coutant O, Jézéquel C, Mokany K, Cantera I, Covain R, Valentini A, Dejean T, Brosse S, Murienne J (2023). Environmental DNA reveals a mismatch between diversity facets of Amazonian fishes in response to contrasting geographical, environmental and anthropogenic effects. <i>Global Change Biology</i> , 29: 1741-1758.	EDB	-	13,212	https://doi.org/10.1111/gcb.16533
Cui T, Fan L, Ciais P, Fensholt R, Frappart F, Sitch S, Chave J, Chang Z, Li X, Wang M, Liu X, Ma M, Wigneron J-P (2023). First assessment of optical and microwave remotely sensed vegetation proxies in monitoring aboveground carbon in tropical Asia. <i>Remote Sensing of Environment</i> , 293: 113619.	EDB	-	13,85	https://doi.org/10.1016/j.rse.2023.113619
Cullimore J, Fliegmann J, Gascioli V, Gibelin-Viala C, Carles N, Luu T-B, Girardin A, Cumener M, Maillet F, Pradeau S, Fort S, Bono J-J, Gough C, Lefebvre B (2023) Evolution of lipochitooligosaccharide binding to a LysM-RLK for nodulation in <i>Medicago truncatula</i> . <i>Plant and Cell Physiology</i> , pcad033.	LIPME	-	4,937	https://doi.org/10.1093/pcp/pcad033
Danneels B, Blignaut M, Marti G, Sieber S, Vandamme P, Meyer M, Carlier A (2023). Cyclitol metabolism is a central feature of <i>Burkholderia</i> leaf symbionts. <i>Environmental Microbiology</i> , 25: 454-472.	LIPME	-	5,476	https://doi.org/10.1111/1462-2920.16292
Danneels B, Carlier A (2023). Whole-genome sequencing of bacterial endophytes from fresh and preserved plant specimens. <i>Methods in Molecular Biology</i> , 2605: 133-155.	LIPME	-	-	https://doi.org/10.1007/978-1-0716-2871-3_7
de Guzman I, Elosegi A, von Schiller D, Gonzalez JM, Paz LE, Gauzens B, Brose U, Anton A, Olarte N, Montoya JM, Larranaga A (2023). Treated and highly diluted, but wastewater still impacts diversity and energy fluxes of freshwater food webs. <i>Journal of Environmental Management</i> , 345: 118510.	SETE	-	8,91	https://doi.org/10.1016/j.jenvman.2023.118510

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De Meyer F, Carlier A (2023). Ecotin: A versatile protease inhibitor of bacteria and eukaryotes. Frontiers in Microbiology , 14: 1114690.	LIPME	-	6,064	https://doi.org/10.3389/fmicb.2023.1114690
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Dee LE, Ferraro PJ, Severen CN, Kimmel KA, Borer ET, Byrnes JEK, Clark AT, Hautier Y, Hector A, Raynaud X, Reich PB, Wright AJ, Arnillas CA, Davies KF, MacDougall A, Mori AS, Smith MD, Adler PB, Bakker JD, Brauman KA, Cowles J, Komatsu K, Knops JMH, McCulley RL, Moore JL, Morgan JW, Ohlert T, Power SA, Sullivan LL, Stevens C, Loreau M (2023). Clarifying the effect of biodiversity on productivity in natural ecosystems with longitudinal data and methods for causal inference. Nature Communications , 14: 2607.	SETE	-	17,694	https://doi.org/10.1038/s41467-023-37194-5
Dejean A, Azémar F, Naskrecki P, Tindo M, Rossi V, Faucher C, Gryta H (2023). Mutualistic interactions between ants and fungi: A review. Ecology and Evolution , 13: e10386.	EDB	-	3,167	https://doi.org/10.1002/ece3.10386
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