

SUPPLEMENTARY MATERIAL

to the article E.O. Grishko, P.M. Borodin "Structure and evolution of metapolycentromeres"

Search elements and search results in the scholar.google.com database

Search elements	Articles found	Relevant articles found	DOI of relevant articles found
meta-polycentromere	2	1	https://doi.org/10.3390/ijms21103488
meta-polycentromeres	8	5	https://doi.org/10.3390/ijms21103488 https://doi.org/10.1016/j.semcd.2022.01.003 https://doi.org/10.1016/j.yexcr.2020.111974 https://doi.org/10.1016/j.ceb.2021.12.007 https://doi.org/10.1007/978-3-030-74889-0_5
metapolycentromere	7	6	https://doi.org/10.1371/journal.pgen.1010633 https://doi.org/10.1371/journal.pgen.1009115 https://doi.org/10.3389/fpls.2015.00913 https://doi.org/10.1016/j.molp.2017.12.009 https://doi.org/10.1600/036364416X692442 https://doi.org/10.1101/2022.11.23.516916
metapolycentromeres	7	6	https://doi.org/10.1371/journal.pgen.1010633 https://doi.org/10.1371/journal.pgen.1009115 https://doi.org/10.3389/fpls.2015.00913 https://doi.org/10.1016/j.molp.2017.12.009 https://doi.org/10.1600/036364416X692442 https://doi.org/10.1101/2022.11.23.516916
"metapoly centromere"	1	0	
"metapoly centromeres"	1	0	
"meta polycentromere"	19	12	https://doi.org/10.3390/ijms21103488 https://doi.org/10.1007/978-1-4612-6060-8_2 https://doi.org/10.1016/j.semcd.2022.01.003 https://doi.org/10.1016/j.yexcr.2020.111974 https://doi.org/10.1016/j.ceb.2021.12.007 https://doi.org/10.1007/978-3-030-74889-0_5 https://doi.org/10.3389/fpls.2015.00913 https://doi.org/10.11352/scr.24.21 https://doi.org/10.11352/scr.24.29 https://doi.org/10.1073/pnas.1512255112 https://doi.org/10.3390/genes8090230 https://doi.org/10.3389/fpls.2016.00028
"meta polycentromeres"	19	12	https://doi.org/10.3390/ijms21103488 https://doi.org/10.1007/978-1-4612-6060-8_2 https://doi.org/10.1016/j.semcd.2022.01.003 https://doi.org/10.1016/j.yexcr.2020.111974 https://doi.org/10.1016/j.ceb.2021.12.007 https://doi.org/10.1007/978-3-030-74889-0_5 https://doi.org/10.3389/fpls.2015.00913 https://doi.org/10.11352/scr.24.21 https://doi.org/10.11352/scr.24.29 https://doi.org/10.1073/pnas.1512255112 https://doi.org/10.3390/genes8090230 https://doi.org/10.3389/fpls.2016.00028
"long centromere"	77	14	https://doi.org/10.1242/jcs.107.11.3091 https://doi.org/10.1080/00837792.1984.10670350 https://doi.org/10.1093/oxfordjournals.jhered.a109298 https://doi.org/10.1093/oxfordjournals.jhered.a109297 https://doi.org/10.1159/000131473 https://doi.org/10.1159/000132627 https://doi.org/10.1093/oxfordjournals.jhered.a109541 https://doi.org/10.3390/genes11080912 https://doi.org/10.1007/BF00985168 https://doi.org/10.1007/BF00333506 https://doi.org/10.1016/j.molp.2022.12.022 https://doi.org/10.1007/BF03052984 https://doi.org/10.1007/BF00984578 https://doi.org/10.1007/BF00983946

Table (continue)

Search elements	Articles found	Relevant articles found	DOI of relevant articles found
"long centromeres"	59	23	https://doi.org/10.1186/s12862-016-0760-7 https://doi.org/10.1007/BF00985168 https://doi.org/10.1186/s13072-015-0033-5 https://doi.org/10.1371/journal.pgen.1009115 https://doi.org/10.1186/s12862-018-1247-5 https://doi.org/10.1371/journal.ppat.1010869 https://doi.org/10.3390/cells11050761 https://doi.org/10.1159/000218129 https://doi.org/10.3390/ijms21103488 https://doi.org/10.1159/000524681 https://doi.org/10.1111/imb.12759 https://doi.org/10.1007/s00412-022-00770-7 https://doi.org/10.1101/2022.01.01.473627 https://doi.org/10.1007/s00412-020-00745-6 https://doi.org/10.1242/jcs.203653 https://doi.org/10.1007/s00040-020-00755-8 https://doi.org/10.1186/s12863-018-0685-9 https://doi.org/10.1007/s00040-020-00773-6 https://doi.org/10.1038/s41559-019-1081-1 https://doi.org/10.1007/s13592-020-00766-1 https://doi.org/10.1007/s13127-017-0333-7 https://doi.org/10.3390/genes14020371 https://doi.org/10.1007/s10709-020-00111-5
"huge centromeres"	0	0	
"huge centromere"	0	0	
"enormous centromeres"	1	0	
"enormous centromere"	1	0	
"extended centromeres"	56	27	https://doi.org/10.1371/journal.pgen.1009115 https://doi.org/10.3389/fpls.2016.00234 https://doi.org/10.1038/29985 https://doi.org/10.1038/hdy.1992.68 https://doi.org/10.1038/29889 https://doi.org/10.1242/jcs.109.11.2693 https://doi.org/10.1007/s13237-018-0245-8 https://doi.org/10.1159/000524681 https://doi.org/10.1101/2022.01.01.473627 https://doi.org/10.1534/genetics.107.082313 https://doi.org/10.1007/s00412-016-0616-3 https://doi.org/10.1093/molbev/msv070 https://doi.org/10.1159/000352069 https://doi.org/10.1083/jcb.113.5.1091 https://doi.org/10.1371/journal.pgen.1008959 https://doi.org/10.1093/gbe/evs048 https://doi.org/10.3390/cells11213373 https://doi.org/10.1007/s10577-021-09655-4 https://doi.org/10.1182/blood.V93.12.4059 https://doi.org/10.3390/genes9050254 https://doi.org/10.1186/s13062-016-0146-1 https://doi.org/10.3390/genes14050999 https://doi.org/10.1083/jcb.201408025 https://doi.org/10.1038/hdy.2008.48 https://doi.org/10.17615/gqwc-ds62 https://doi.org/10.1101/2023.04.24.538079 https://doi.org/10.1093/jhered/esy040

Table (end)

Search elements	Articles found	Relevant articles found	DOI of relevant articles found
"extended centromere"	61	12	https://doi.org/10.1007/s13237-018-0245-8 https://doi.org/10.3390/ijms21103488 https://doi.org/10.1242/jcs.107.11.3091 https://doi.org/10.1508/cytologia.45.739 https://doi.org/10.1038/29985 https://doi.org/10.1093/nar/16.24.11645 https://doi.org/10.1007/BF00985440 https://doi.org/10.1023/A:1009281823488 https://doi.org/10.2307/2438317 https://doi.org/10.1111/j.1601-5223.1979.tb01659.x https://doi.org/10.1385/0-89603-289-2:335 https://doi.org/10.1016/0009-2797(81)90105-8
"centromere elongation"	12	1	https://doi.org/10.1016/0014-2964(79)90139-7
"centromere expansion"	187	10	https://doi.org/10.1371/journal.pgen.1002777 https://doi.org/10.1038/43607 https://doi.org/10.3390/ijms21103488 https://doi.org/10.1007/s00412-022-00770-7 https://doi.org/10.1093/molbev/msv070 https://doi.org/10.1007/s10577-016-9536-6 https://doi.org/10.1186/s12862-018-1247-5 https://doi.org/10.1007/s00122-022-04127-7 https://doi.org/10.1038/43611 https://doi.org/10.1371/journal.pgen.1010633