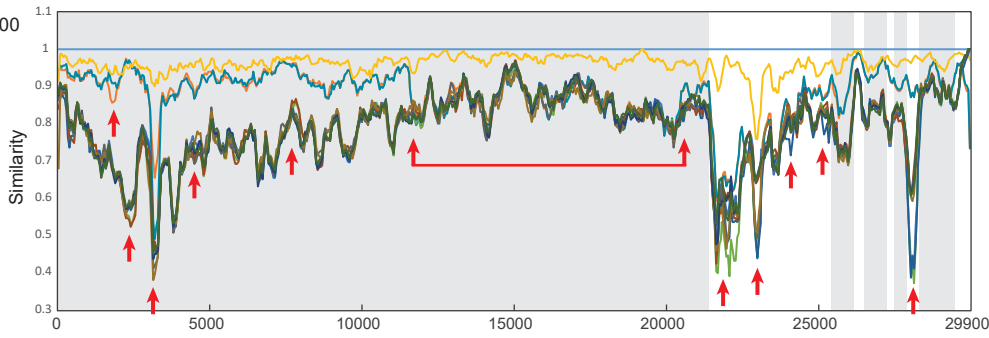
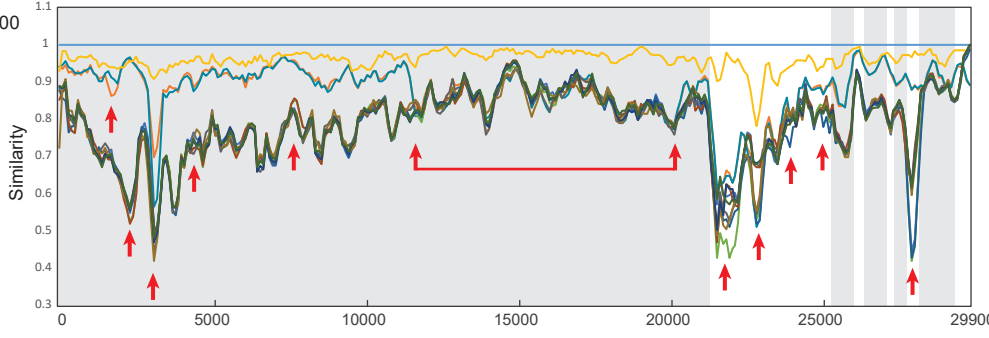




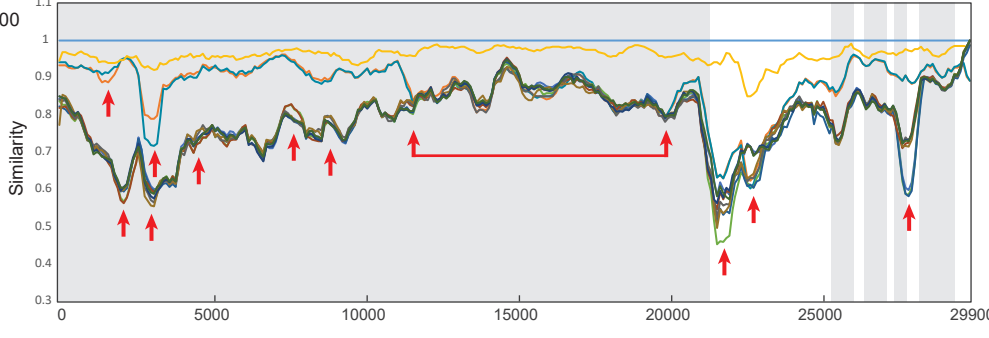
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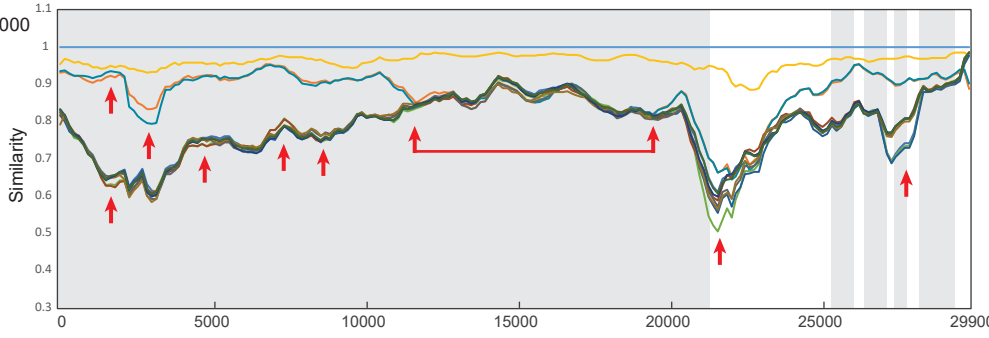
Window size 200
Step size 100



Window size 500
Step size 100



Window size 1000
Step size 150



- Human SARS-CoV-2 (NC_045512.2)
- Bat CoV RaTG13 (MN996532.1)
- Bat SARS-like CoV CoVZC45 (MG772933.1)
- Bat SARS-like CoV CoVZXC21 (MG772934.1)
- Human SARS CoV (NC_004718.3)
- Bat SARS-related CoV F46 (KU973692.1)
- Bat SARS-like CoV YNLF_31C (KP886808.1)
- Bat CoV LYRa11 (KF569996.1)
- Bat SARS CoV HKU3-7 (GQ153542.1)
- Bat CoV HuB2013 (KJ473814.1)
- Bat SARS-like CoV RsSHC014 (KC881005.1)
- Bat SARS-like CoV Rs4231 (KY417146.1)

↔ Major recombination region in the ancestor of human SARS-CoV-2 and bat CoV RaTG13

↑ The genome region of the SARS-related CoVs which underwent recombination