

Archived Editions (COVID-19 Genomics and Precision Public Health Weekly Update)

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COVID-19 Genomics and Precision Public Health Weekly Update Content

- Pathogen and Human Genomics Studies
- Non-Genomics Precision Health Studies
- News, Reviews and Commentaries

Pathogen and Human Genomics Studies

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- Investigation of novel SARS-CoV-2 variant: Variant of Concern 202012/01 ([/PHGKB/phgHome.action?action=forward&dbsource=covUpdate&id=649](#))
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Summary: Generation of SARS-CoV-2 spike mutants that escape antibody neutralization. Mutant S477N is resistant to neutralization by multiple monoclonal antibodies. Mutant E484K is less sensitive to neutralization by convalescent human sera. Sequential selection identifies mutants that escape neutralization by antibody cocktails.

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