

# VSV-SARS2-MUTANTS TO CHARACTERIZE ANTIBODY PANELS

---

[Liu, Zhuoming, Whelan, Sean](#)

[Gill, John](#)

T-019501

This is a large panel of variants in the SARS-CoV-2 spike protein incorporated into a VSV-vector. These were largely selected as escape mutants to neutralizing antibodies or were designed to probe the function of circulating viral variants. These constructs can be used to screen antibodies and soluble receptors and other inhibitors for their ability to neutralize VSV-SARS CoV 2 spike and for the currently dominant D614G variant.

This is an extension of previous recombinant VSV-SARS-CoV-2 vectors (WUSTL Technology [T-019338](#))