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(54) **Title:** PSEUDOTYPED VIRAL PARTICLES COMPRISING ENGINEERED CHIMERIC RECEPTOR PROTEINS

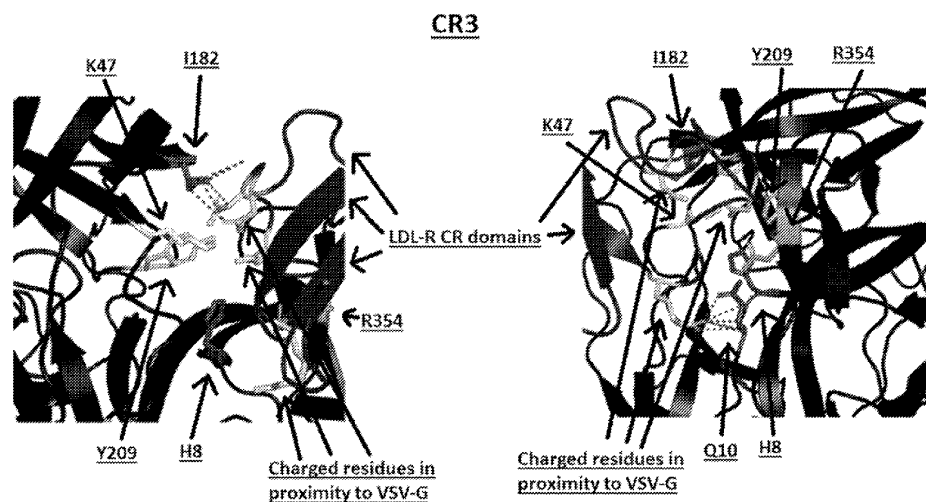


FIG. 1A

(57) **Abstract:** Provided for herein are viral particles comprising a heterologous viral glycoprotein and a targeting moiety, wherein the targeting moiety comprises a polypeptide comprising a formula of T-S₁, wherein T is a target binding domain and S₁ is a stalk portion. As provided for herein, the viral particles further comprises a nucleic acid molecule encoding for a heterologous molecule of interest. As provided for herein, the heterologous molecule of interest may be a tandem CAR. Also provided for herein are compositions comprising the same, and methods of using the same.

[Continued on next page]

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