

S3 Table. Mapping of autologous BG505 neutralization to glycan holes at 241 or 289.

Neutralizing activity was measured as ID₅₀ for each indicated guinea pig serum against BG505 virus, or BG505 S241N or P291S mutants, which restored glycans at N241 or N289, colored similarly as in Figs. 1 and 2. A reduction of serum-neutralizing activity on glycan-restored mutants relative to glycan-hole BG505 virus that was larger than 50% was defined as significant (highlighted in green).

Virus	BG505	BG505 S241N	Reduction	N241 glycan hole targeted	BG505 T332N	BG505 T332N P291S	Reduction	N289 glycan hole targeted	N241 or N289 glycan hole targeted
CGP701-1	649	118	82%	Yes	149	72	52%	Yes	Yes
CGP701-2	6,932	5,592	19%	No	5,183	2,497	52%	Yes	Yes
CGP701-3	8,189	8,801	-7%	No	5,875	4,094	30%	No	No
CGP701-4	598	219	63%	Yes	270	260	4%	No	Yes
CGP701-5	294	112	62%	Yes	370	90	76%	Yes	Yes