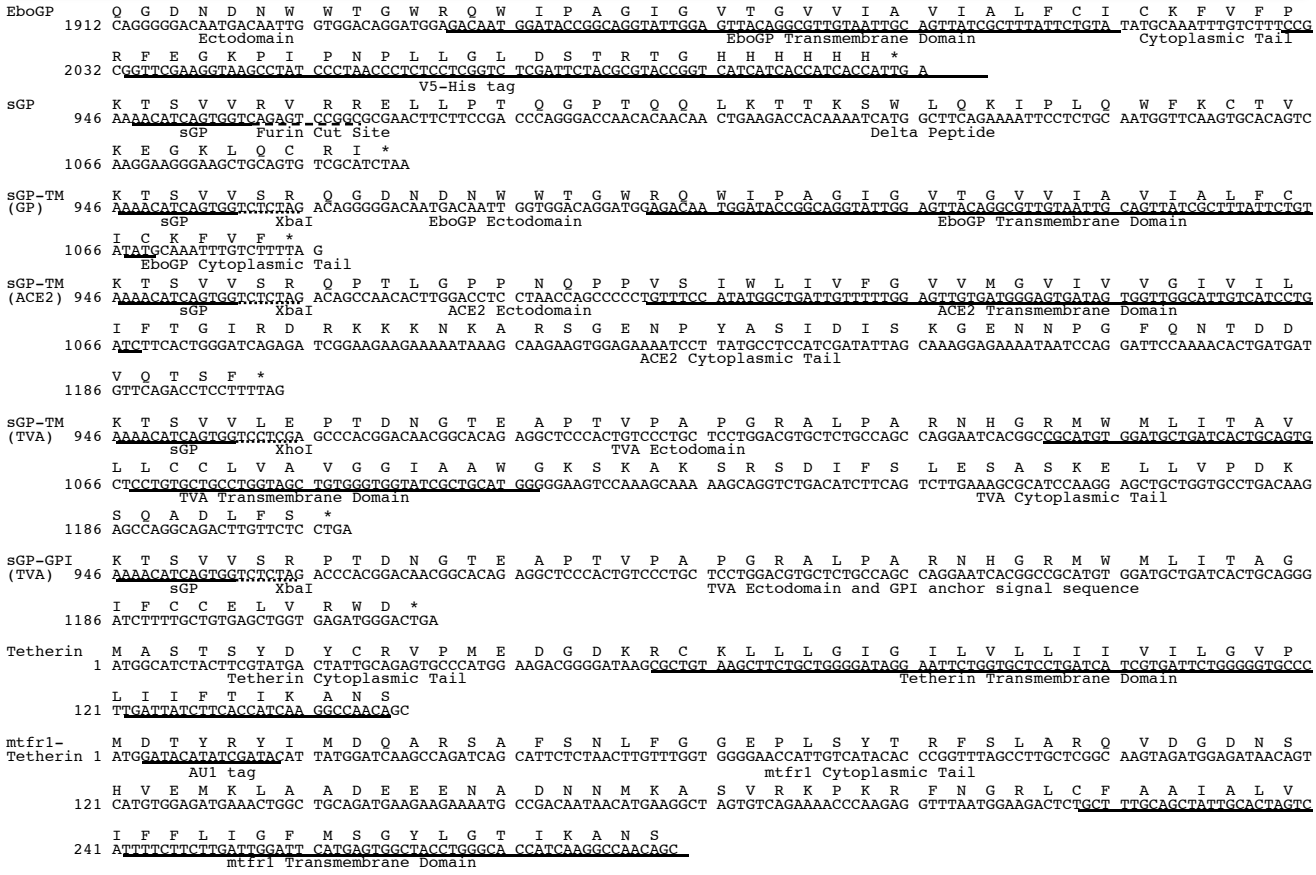
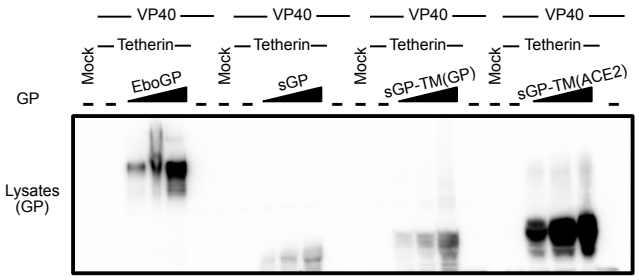
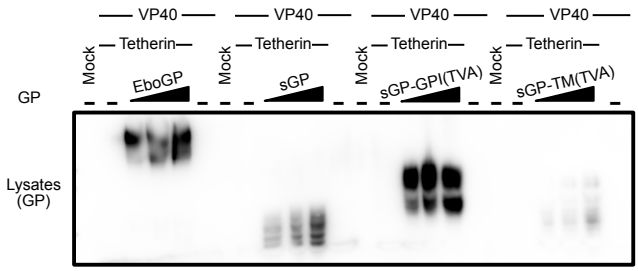
MSD and N-terminal Sequences



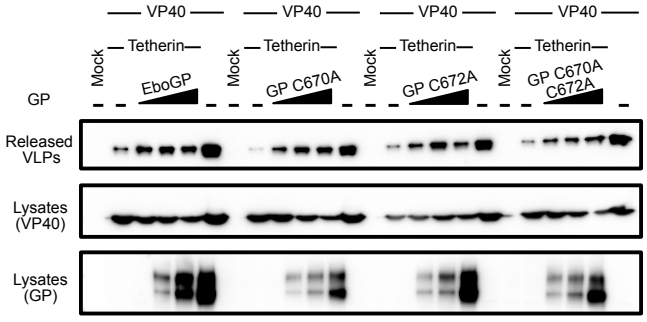
Supplemental Figure 1. A nucleotide sequence list comparing the unique C-terminal or N-terminal domains for each construct used in this study. The amino acid translation is given above each sequence and annotations are indicated below each sequence.



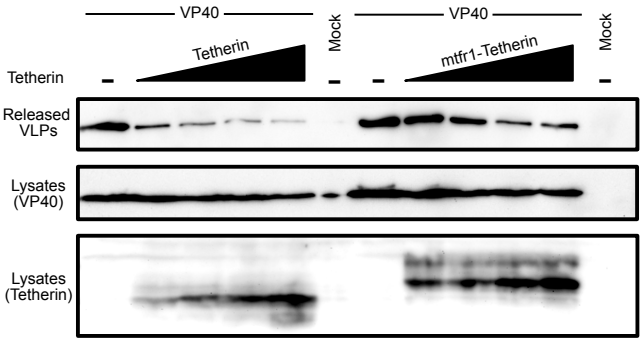
Supplemental Figure 2. SDS-PAGE immunoblot of 293T cell lysates analyzing expression of the glycoproteins used in the budding assay from Figure 1C. The immunoblot of the cell lysates from Figure 1C was stripped and reprobed with the R12 antibody to detect verify expression of the constructs in the budding assay.



Supplemental Figure 3. Immunoblot analyzing glycoprotein expression in the 293T cell lysates from the budding assay in Figure 1D. The western blot from the budding assay in Figure 1D was stripped and re-probed with the R12 antibody to confirm expression of the new constructs.



Supplemental Figure 4. A VP40 VLP budding assay assessing the ability of EboGP to antagonize tetherin with either one or both membrane proximal cysteines modified to an alanine. *Top Panel*: An immunoblot depicting purified VLPs released by each of the glycoproteins, suggesting that modification of the cysteine residues at 670 and 672 do not affect VLP release. *Middle Panel*: Cellular lysates were also analyzed by immunblot to verify the expression of VP40. *Bottom Panel*: The middle panel immunoblot was stripped and reprobed with the R12 antibody to detect glycoprotein expression in the cellular lysates.



Supplemental Figure 5. A VP40 VLP budding assay comparing the ability of tetherin and mtfr1-tetherin to prevent release of VLPs into the supernatant. *Top Panel*: VLPs analyzed by immunoblot showing the effectiveness of both tetherin and mtfr1-tetherin in retaining budded particles. *Middle Panel*: An immunoblot showing the expression of VP40 in the corresponding cellular lysates. *Bottom Panel*: The immunoblot from the middle panel was reprobed for tetherin expression.