**Supplementary Methods**

**Coimmunoprecipitation**

293T cells were transfected with l-Tetherin FLAG and/or AU1 s-Tetherin. Cells were lysed in RIPA buffer and cleared as described above. Lysates incubated with either anti-FLAG rabbit (Sigma) or anti-AU1 rabbit (Bethyl Lab. Inc.) antibodies bound to Protein A Dynabeads (Invitrogen) for 4 hours. Lysates washed three times using RIPA buffer. Beads were boiled in RIPA+6x SDS/PAGE loading buffer for Western blot analysis. FLAG-tagged l-Tetherin was detected using a FLAG-HRP conjugated antibody (Sigma). s-Tetherin was visualized using the anti-AU1 rabbit antibody described above.