

Appendix:

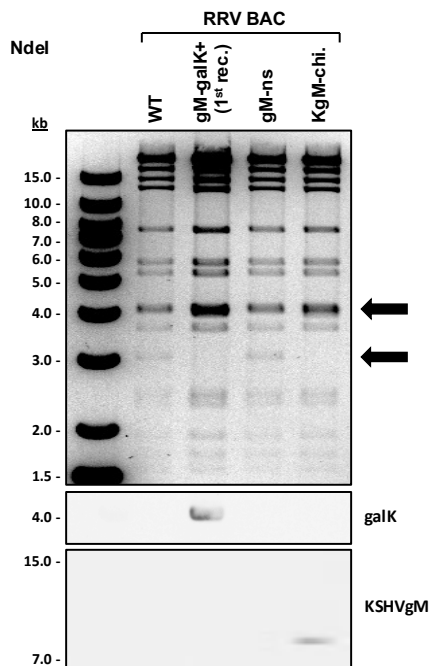


Fig.A1. Confirmation of the generation of gM-ns and KgM-chimeric RRV.

Recombinant RRV BAC DNA was digested by NdeI, analyzed by gel electrophoresis, then probed via Southern blot—first with a probe specific to galK, then the blot was stripped and hybridized with a probe specific to KSHVgM. The black arrows point to the expected mobility shifts due to the recombinations.

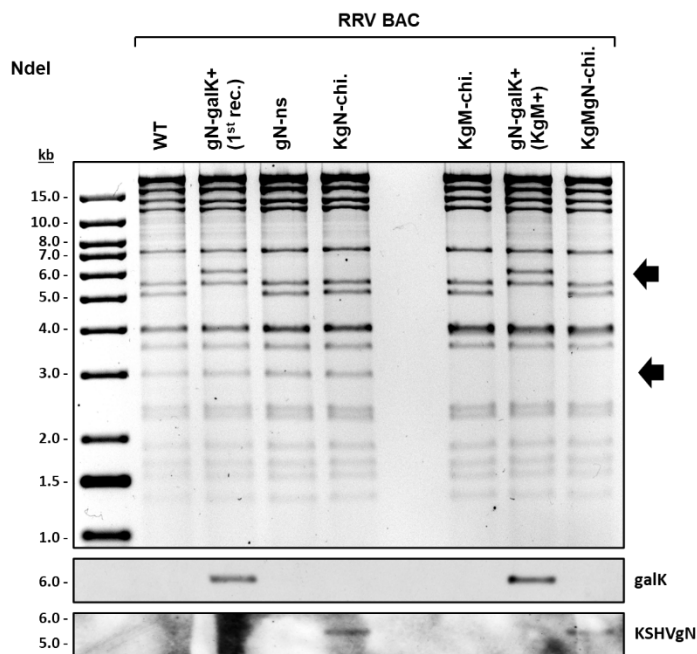


Fig.A2. Confirmation of the generation of gN-ns, KgN-chimeric RRV, and KgMgN-chimeric RRV.

Recombinant RRV BAC DNA was digested by NdeI, analyzed by gel electrophoresis, then probed via Southern blot—first with a probe specific to galK, then the blot was stripped and hybridized with a probe specific to KSHVgN. The black arrows point to the expected mobility shifts due to the recombinations.

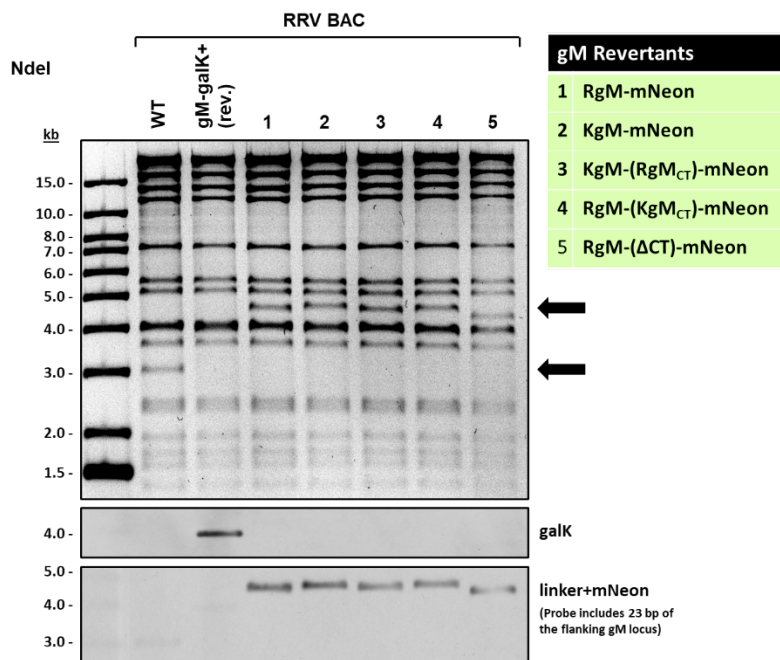


Fig.A3. Confirmation of the generation of gM revertants encoding gM-mNeon variants in RRV BAC.

Recombinant RRV BAC DNA was digested by NdeI, analyzed by gel electrophoresis, then probed via Southern blot— first with the galk probe, then the blot was stripped and hybridized with an mNeon-targeted probe. The black arrows point to the expected mobility shifts due to the recombinations.

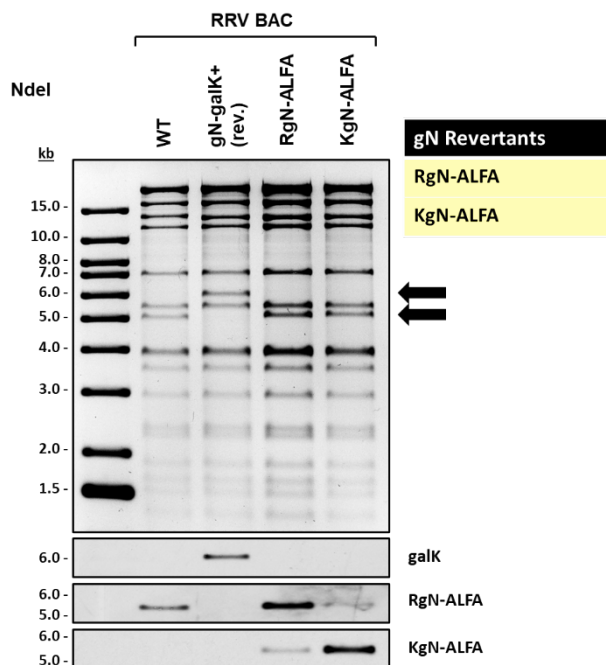


Fig.A4. Confirmation of the generation of gN revertants encoding gN-ALFA in RRV BAC.

Recombinant RRV BAC DNA digested by NdeI, analyzed by gel electrophoresis, then probed via Southern blot— first with the galk probe, then the blot was stripped and hybridized with an RgN-ALFA-targeted probe, then the blot was re-stripped and hybridized with an KgN-ALFA-targeted probe. The black arrows point to the expected mobility shifts due to the recombinations.

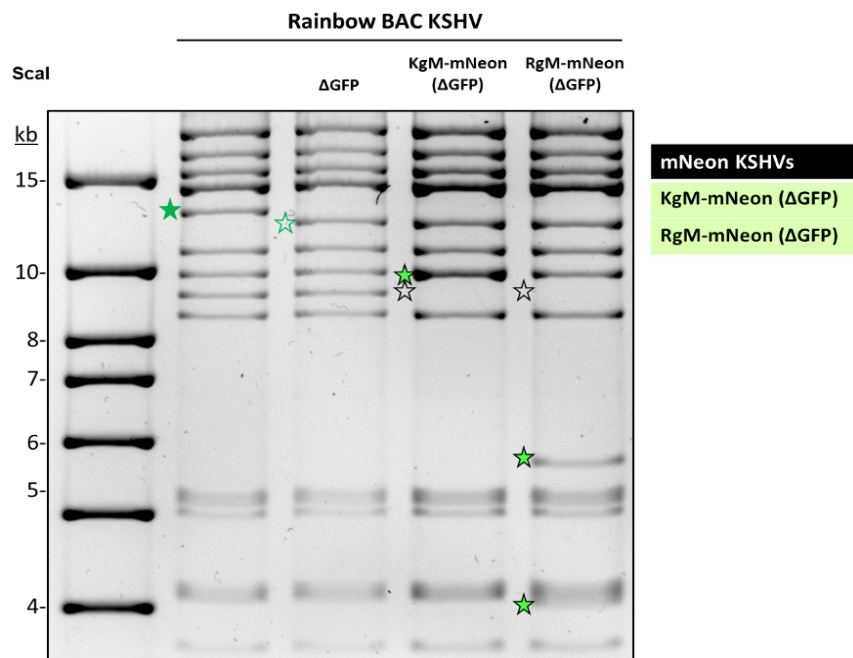


Fig.A5. Confirmation of the generation of gM-mNeon fusions encoded by Rain.BAC KSHV.

Recombinant Rain.BAC KSHV was deleted for GFP, then used to derive KgM-mNeon or RgM-mNeon Rain.BAC KSHV. Corresponding BACmid DNA was digested by Scal and analyzed by gel electrophoresis. The stars indicate the expected mobility shifts due to the recombinations.

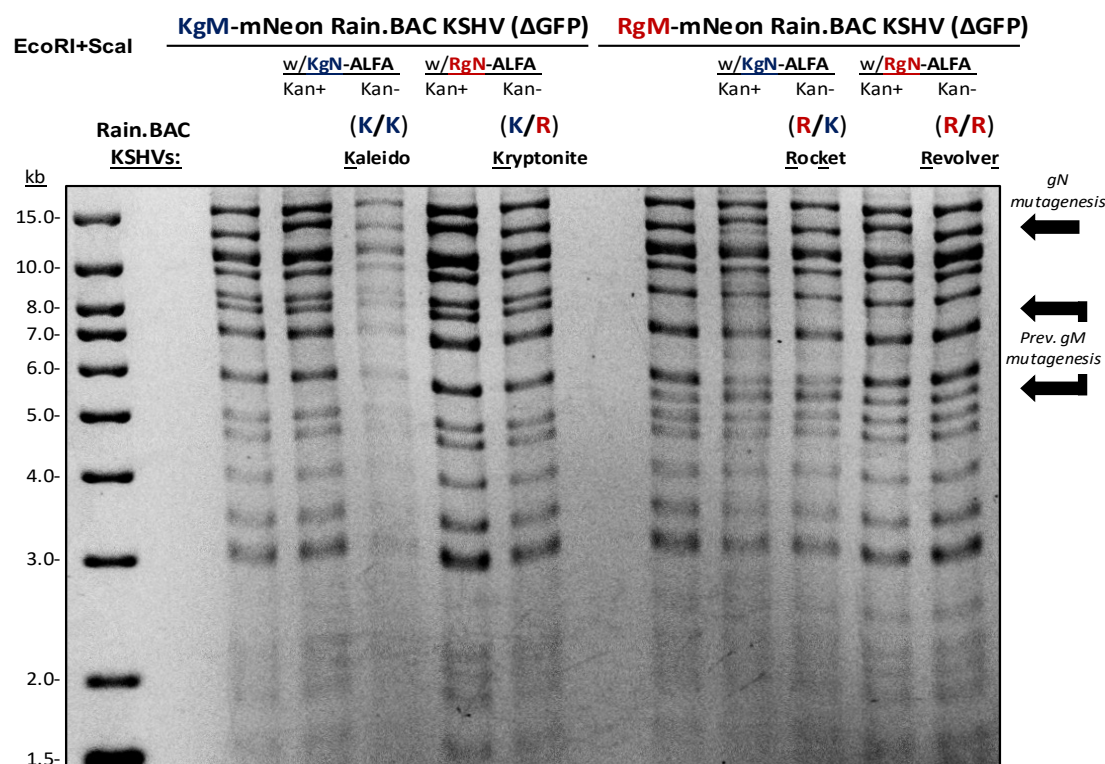


Fig.A6. Confirmation of the generation of gM/gN Crosses in Rain.BAC KSHV.

KgM-mNeon or RgM-mNeon Rain.BACs were used to derive: Kaleido.BAC KSHV (KgM-mNeon/KgN-ALFA), Kryptonite.BAC KSHV (KgM-mNeon/RgN-ALFA), Rocket.BAC KSHV (RgM-mNeon/KgN-ALFA), and Revolver.BAC KSHV (RgM-mNeon/RgN-ALFA). Corresponding BACmid DNA was double digested by Scal/EcoRI and analyzed by gel electrophoresis. The black arrows point to the expected mobility shifts due to the recombinations.

