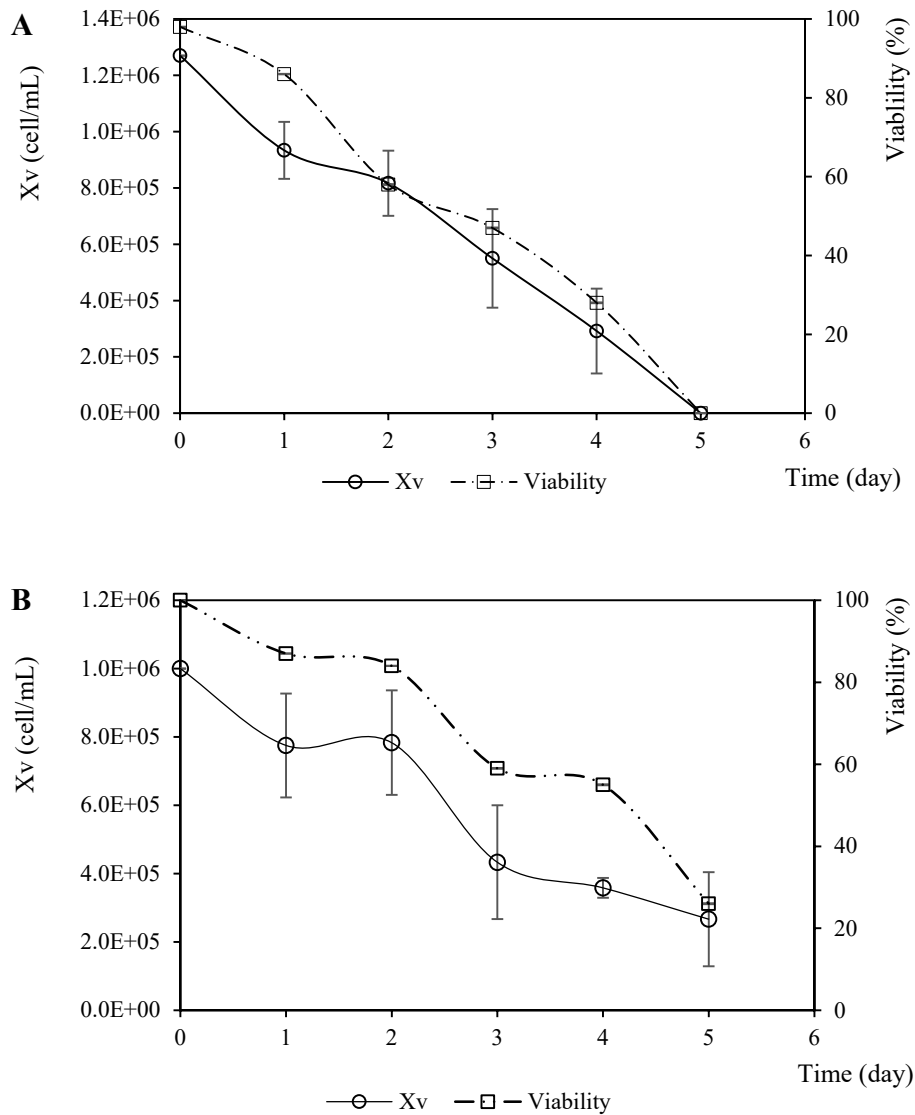


Supplementary material

Figure S1. Kinetics profiles of viable cell density and viability from Sf9 cells co-infected with recombinant baculoviruses carrying the rabies glycoprotein (BVG) and matrix protein (BVM) with a ratio between BVG and BVM of 1.5 using Schott flask as culture system. **A)** Coinfection 1: BVM 1 pfu/cell – BVG 1.5 pfu/cell. **B)** Coinfection 2: BVM 3 pfu/cell – BVG 4.5 pfu/cell. **C)** Coinfection 3: BVM 5 pfu/cell – BVG 7.5 pfu/cell. The points depict the average from three repetitions. Error bars represent the standard deviation from repetitions.



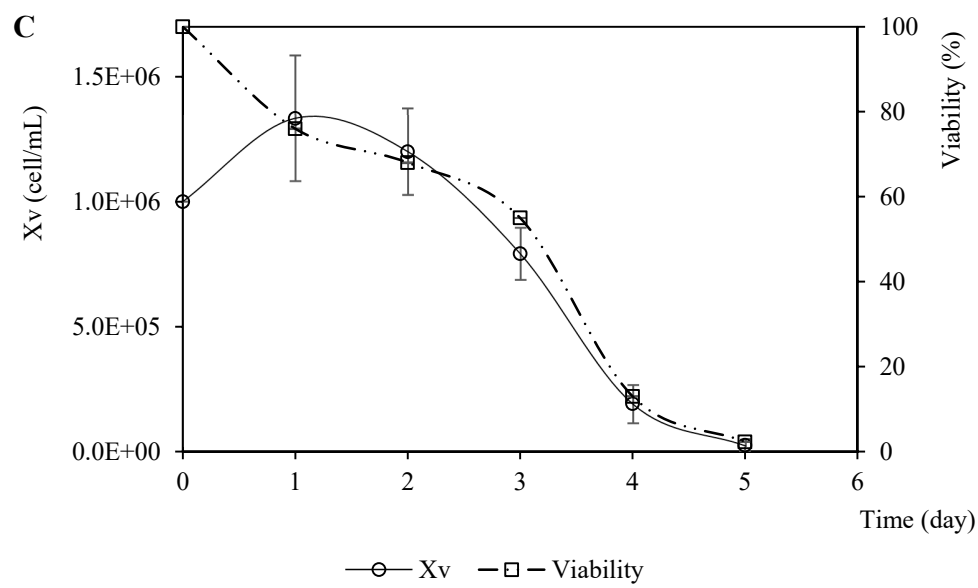
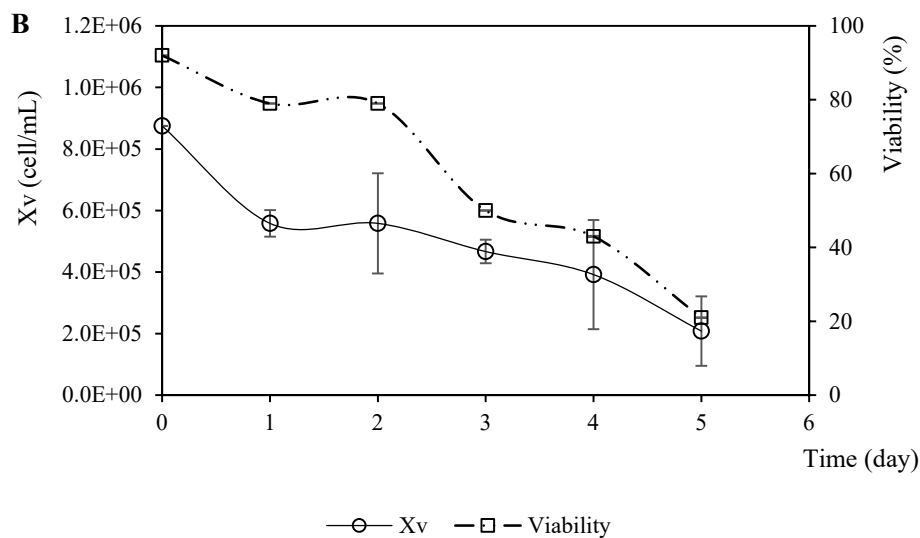
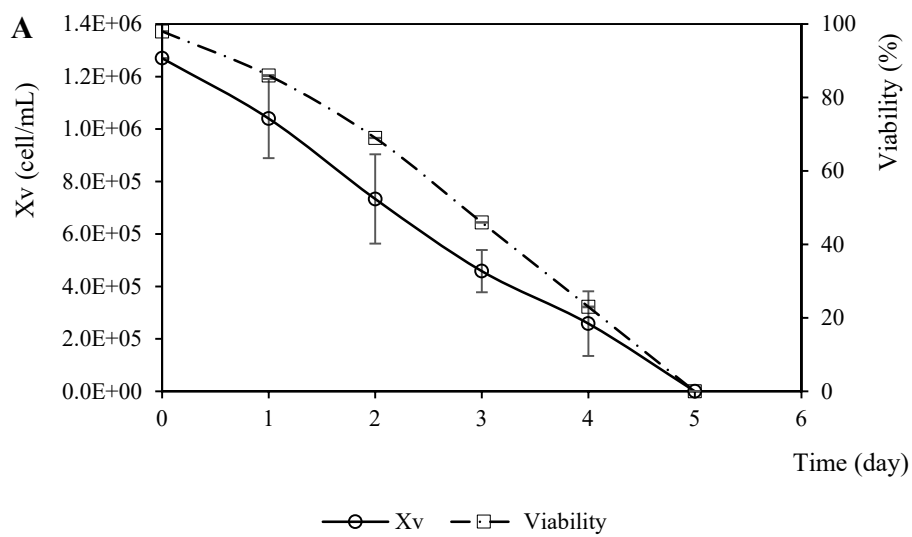


Figure S2. Kinetics profiles of viable cell density and viability from Sf9 cells co-infected with recombinant baculoviruses carrying the rabies glycoprotein (BVG) and matrix protein (BVM) with a ratio between BVG and BVM of 2.0 using Schott flask as culture system. **A)** Coinfection 1: BVM 1 pfu/cell – BVG 2.0 pfu/cell. **B)** Coinfection 2: BVM 3 pfu/cell – BVG 6.0 pfu/cell. **C)** Coinfection 3: BVM 5 pfu/cell – BVG 10.0 pfu/cell. The points depict the average from three repetitions. Error bars represent the standard deviation from repetitions.



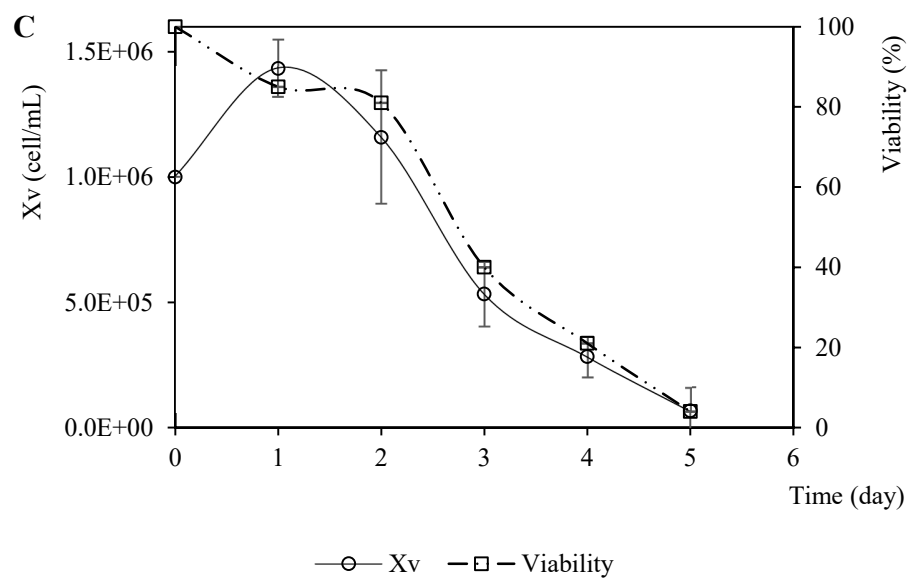
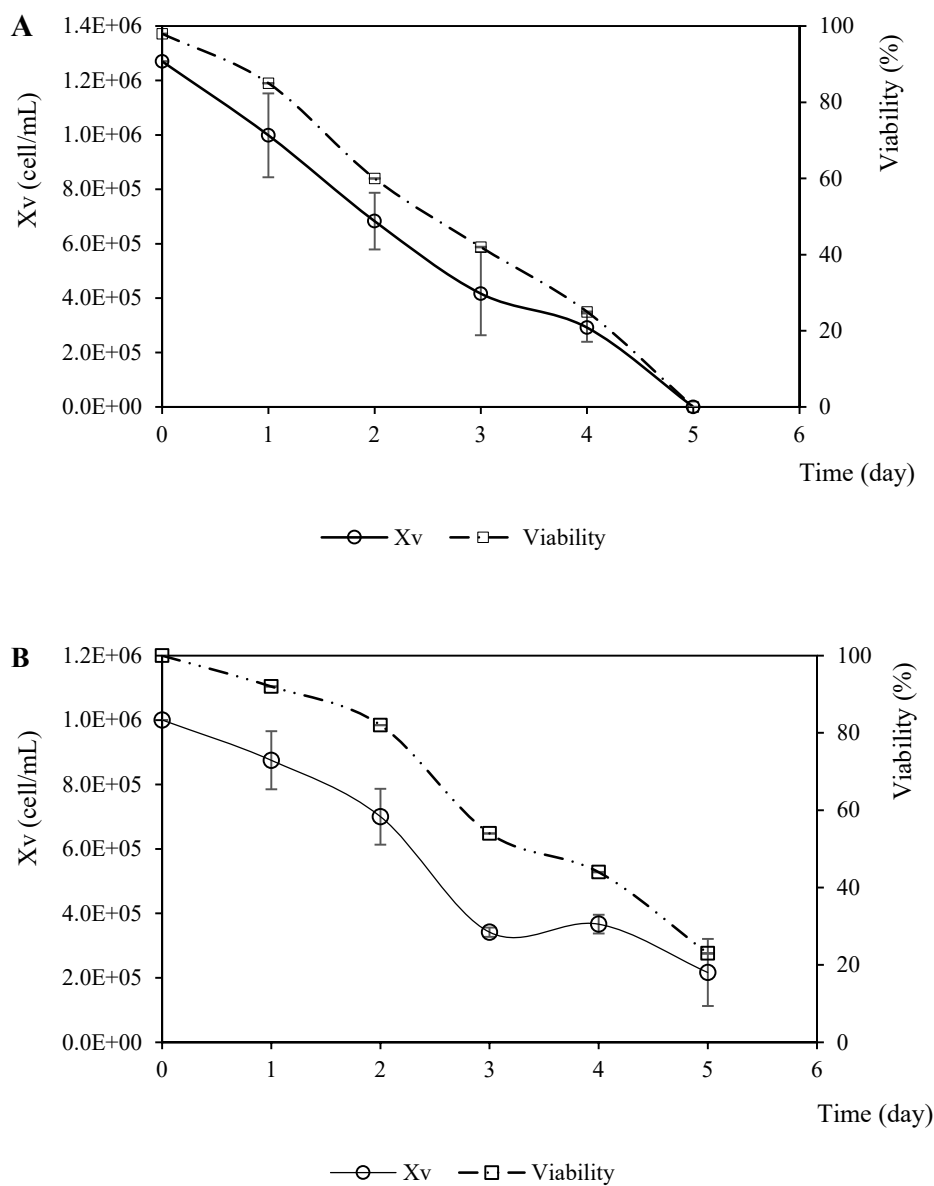


Figure S3. Kinetics profiles of viable cell density and viability from Sf9 cells co-infected with recombinant baculoviruses carrying the rabies glycoprotein (BVG) and matrix protein (BVM) with a ratio between BVG and BVM of 2.5 using Schott flask as culture system. **A)** Coinfection 1: BVM 1 pfu/cell – BVG 2.5 pfu/cell. **B)** Coinfection 2: BVM 3 pfu/cell – BVG 7.5 pfu/cell. **C)** Coinfection 3: BVM 5 pfu/cell – BVG 12.5 pfu/cell. The points depict the average from three repetitions. Error bars represent the standard deviation from repetitions.



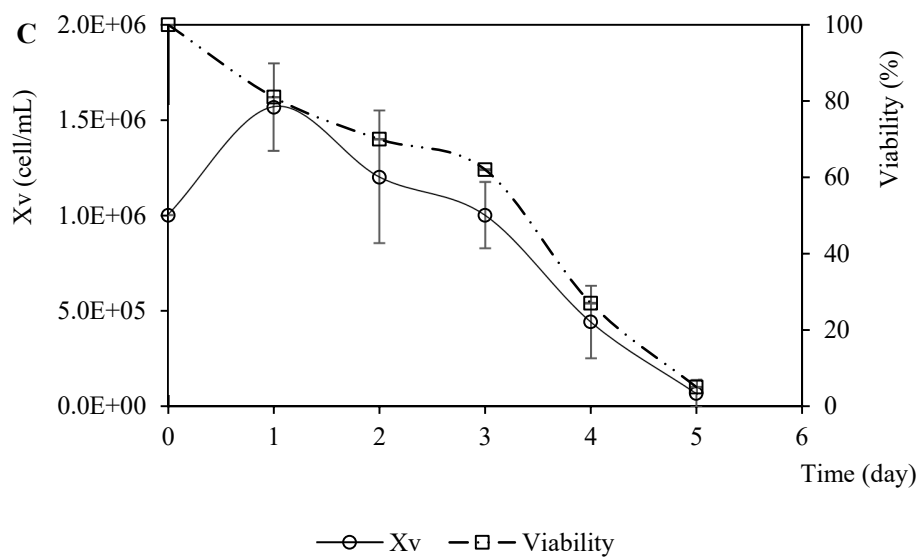
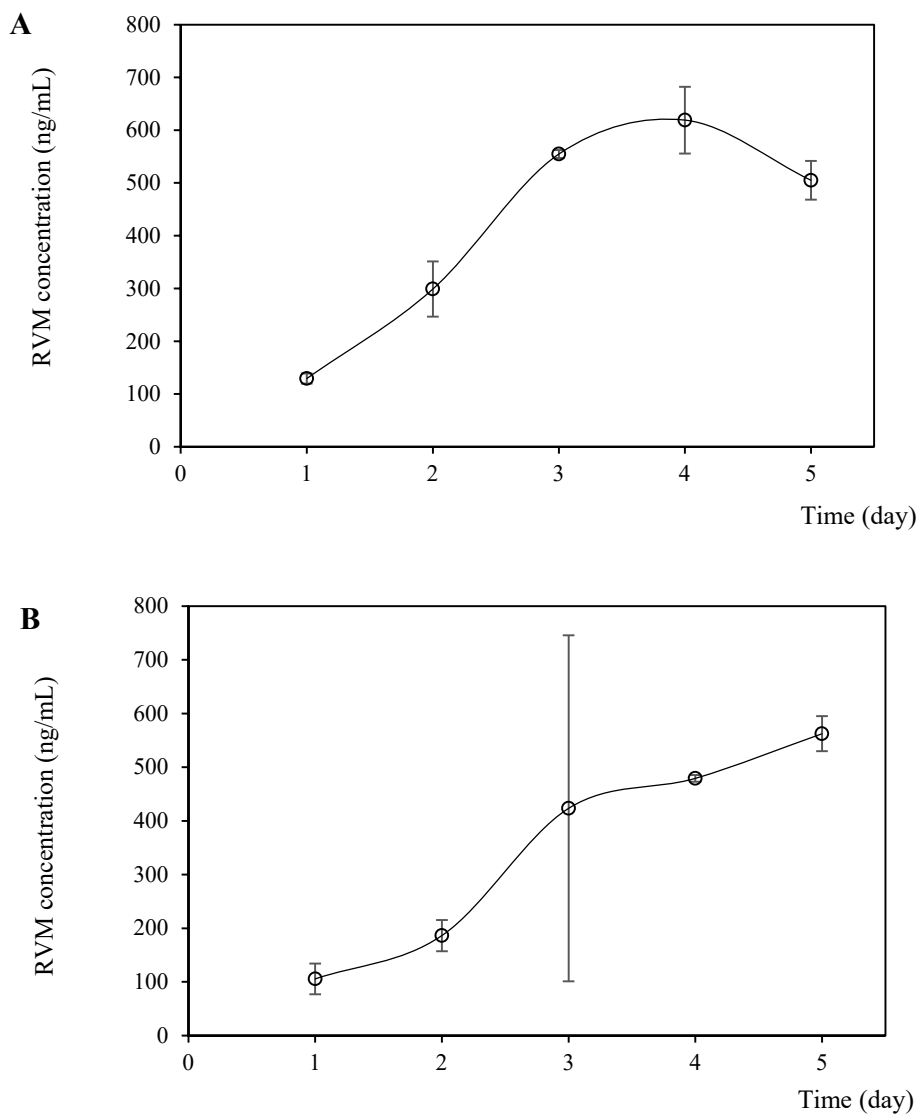


Figure S4. Kinetics profiles of rabies matrix protein (RVM) production (measured by the signal intensity of the dot blot membrane labeled with anti-RVM antibody) from Sf9 cells co-infected with recombinant baculoviruses carrying the rabies glycoprotein (BVG) and matrix protein (BVM) with a ratio between BVG and BVM of 1.5 using Schott flask as culture system. **A)** Coinfection 1: BVM 1 pfu/cell – BVG 1.5 pfu/cell. **B)** Coinfection 2: BVM 3 pfu/cell – BVG 4.5 pfu/cell. **C)** Coinfection 3: BVM 5 pfu/cell – BVG 7.5 pfu/cell. The points depict the average from three repetitions. Error bars represent the standard deviation from repetitions.



C

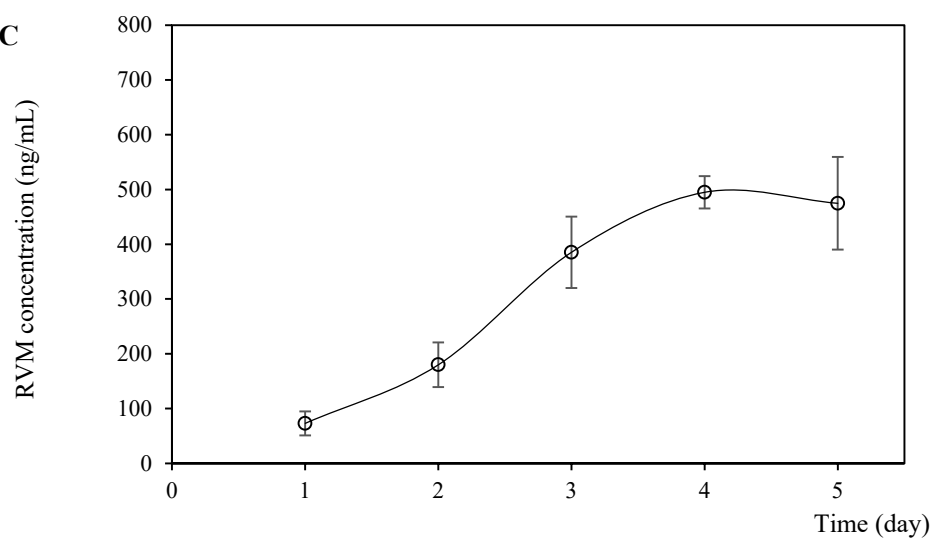
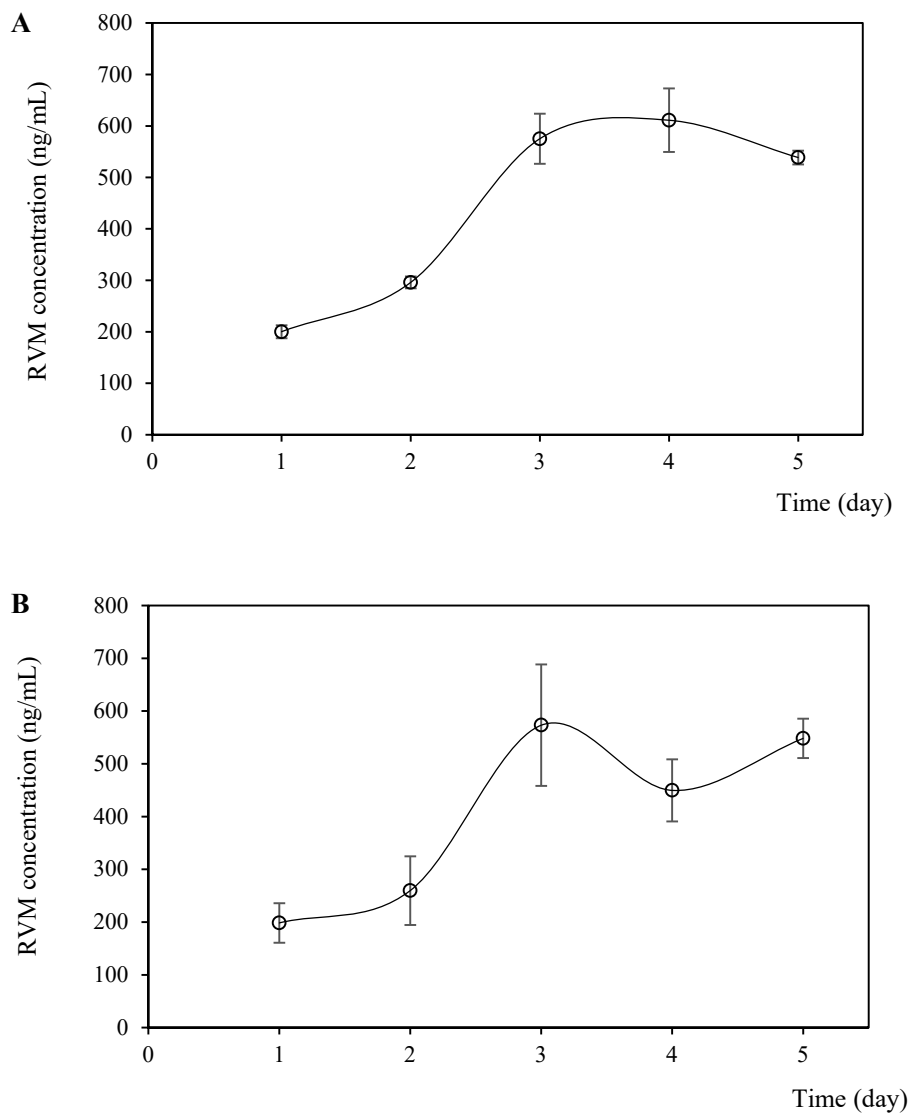


Figure S5. Kinetics profiles of rabies matrix protein (RVM) production (measured by the signal intensity of the dot blot membrane labeled with anti-RVM antibody) from Sf9 cells co-infected with recombinant baculoviruses carrying the rabies glycoprotein (BVG) and matrix protein (BVM) with a ratio between BVG and BVM of 2.0 using Schott flask as culture system. **A)** Coinfection 1: BVM 1 pfu/cell – BVG 2.0 pfu/cell. **B)** Coinfection 2: BVM 3 pfu/cell – BVG 6.0 pfu/cell. **C)** Coinfection 3: BVM 5 pfu/cell – BVG 10.0 pfu/cell. The points depict the average from three repetitions. Error bars represent the standard deviation from repetitions.



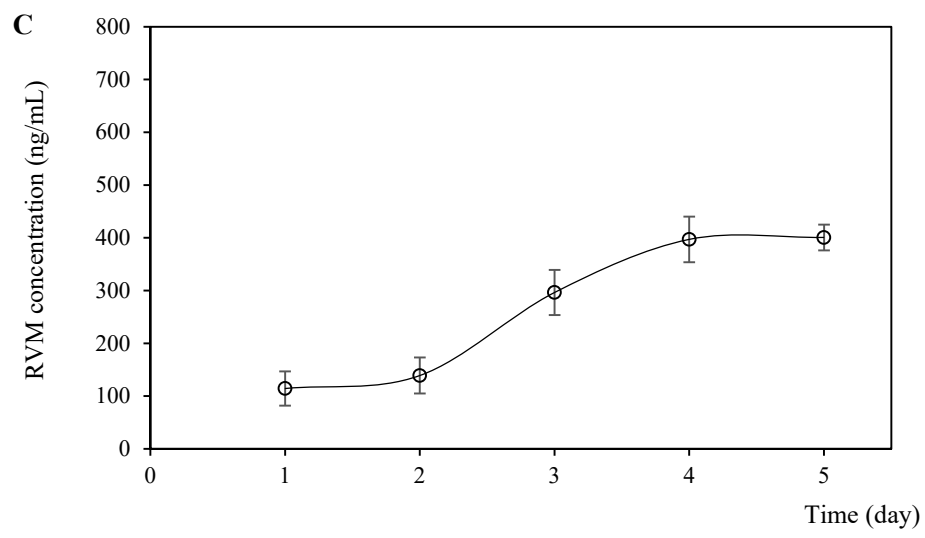
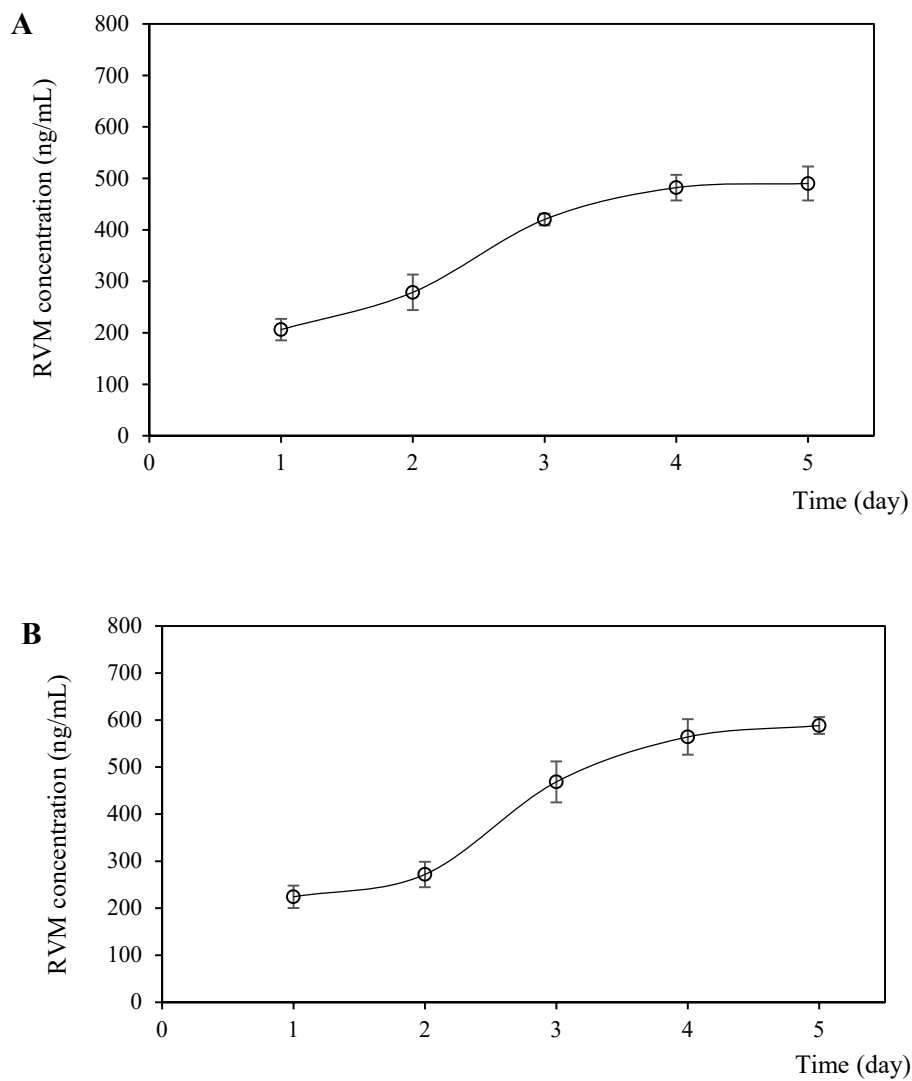


Figure S6. Kinetics profiles of rabies matrix protein (RVM) production (measured by the signal intensity of the dot blot membrane labeled with anti-RVM antibody) from Sf9 cells co-infected with recombinant baculoviruses carrying the rabies glycoprotein (BVG) and matrix protein (BVM) with a ratio between BVG and BVM of 2.5 using Schott flask as culture system. **A)** Coinfection 1: BVM 1 pfu/cell – BVG 2.5 pfu/cell. **B)** Coinfection 2: BVM 3 pfu/cell – BVG 7.5 pfu/cell. **C)** Coinfection 3: BVM 5 pfu/cell – BVG 12.5 pfu/cell. The points depict the average from three repetitions. Error bars represent the standard deviation from repetitions.



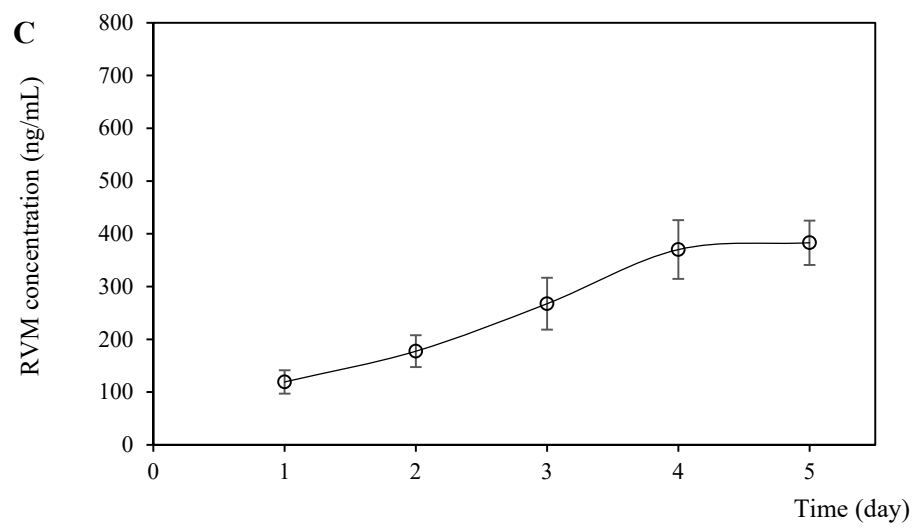


Figure S7. Perturbation graph of BVM MOI (A), BVG/BVM MOI ratio (B), and HT (C) on rabies M protein concentration (RVM) (determined by Dot-blot) modelled statistically.

A

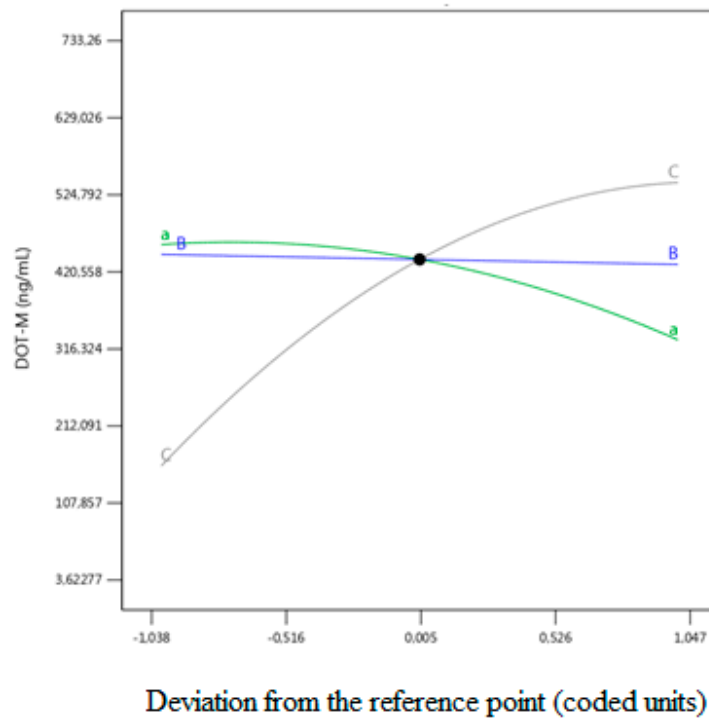
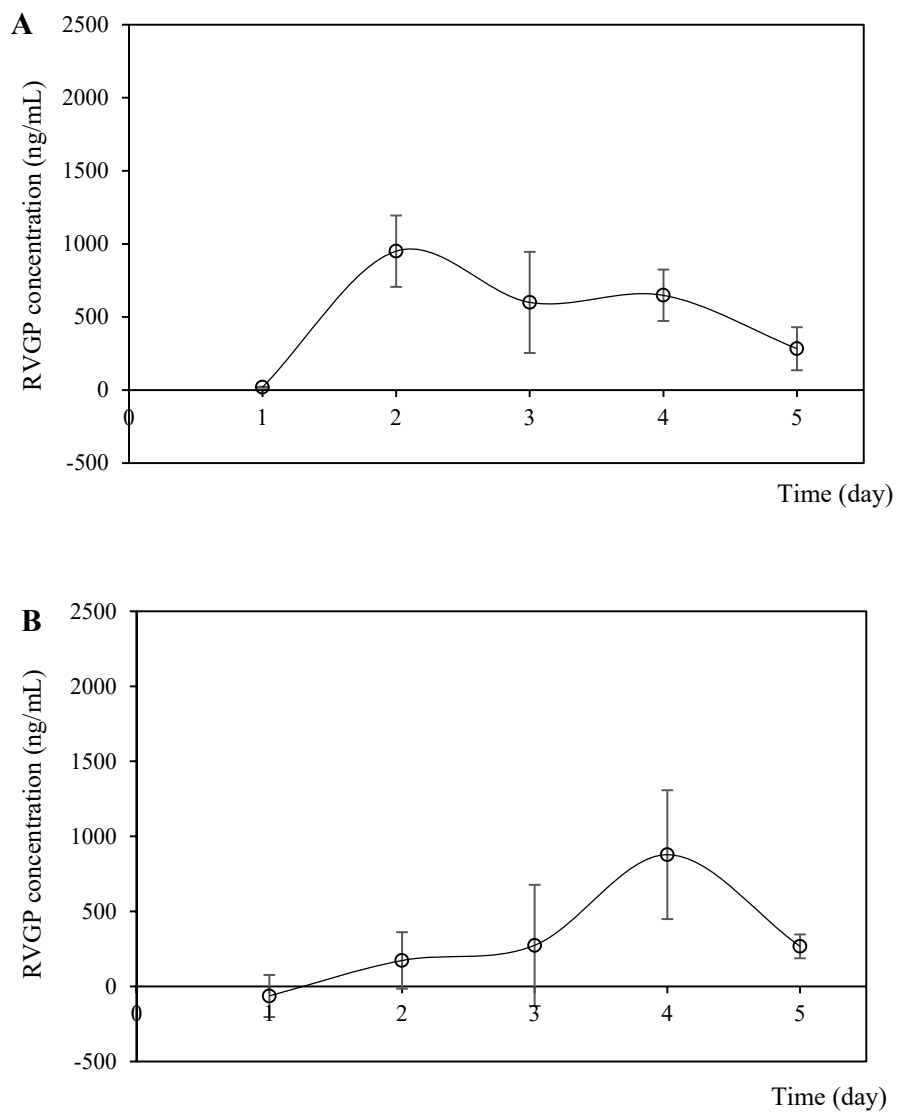


Figure S8. Kinetics profiles of rabies G glycoprotein (RVGP) production (measured by the signal intensity of the dot blot membrane labeled with anti-RVGP antibody) from Sf9 cells co-infected with recombinant baculoviruses carrying the rabies glycoprotein (BVG) and matrix protein (BVM) with a ratio between BVG and BVM of 1.5 using Schott flask as culture system. **A)** Coinfection 1: BVM 1 pfu/cell – BVG 1.5 pfu/cell. **B)** Coinfection 2: BVM 3 pfu/cell – BVG 4.5 pfu/cell. **C)** Coinfection 3: BVM 5 pfu/cell – BVG 7.5 pfu/cell. The points depict the average from three repetitions. Error bars represent the standard deviation from repetitions.



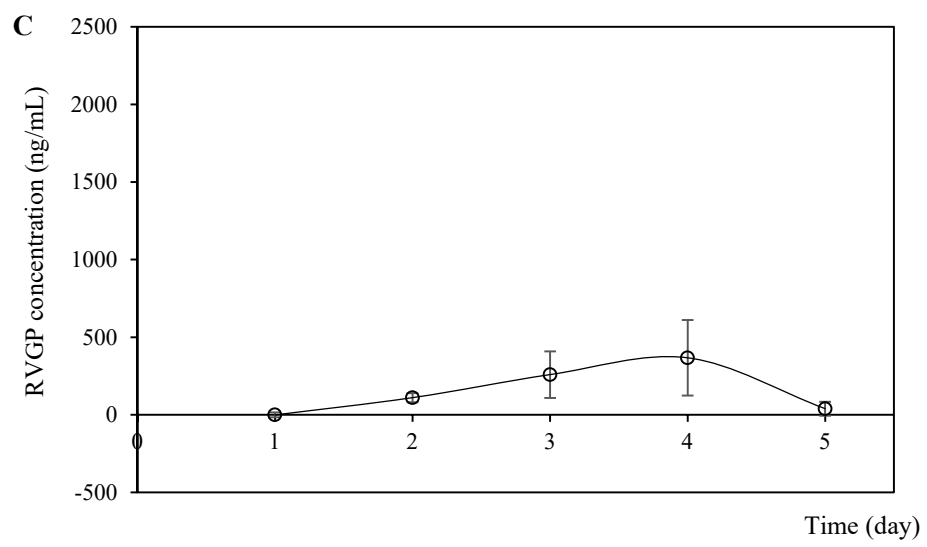
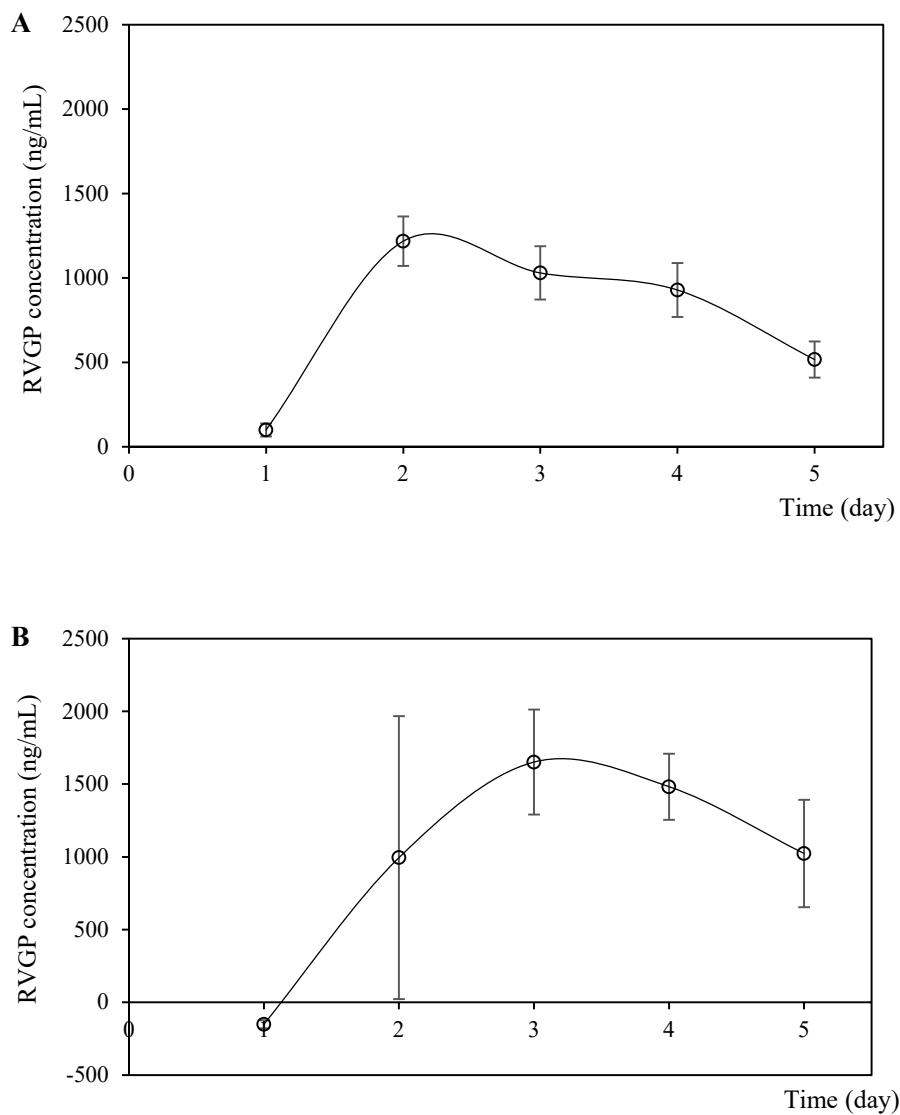


Figure S9. Kinetics profiles of rabies G glycoprotein (RVGP) production (measured by the signal intensity of the dot blot membrane labeled with anti-RVGP antibody) from Sf9 cells co-infected with recombinant baculoviruses carrying the rabies glycoprotein (BVG) and matrix protein (BVM) with a ratio between BVG and BVM of 2.0 using Schott flask as culture system. **A)** Coinfection 1: BVM 1 pfu/cell – BVG 2.0 pfu/cell. **B)** Coinfection 2: BVM 3 pfu/cell – BVG 6.0 pfu/cell. **C)** Coinfection 3: BVM 5 pfu/cell – BVG 10.0 pfu/cell. The points depict the average from three repetitions. Error bars represent the standard deviation from repetitions.



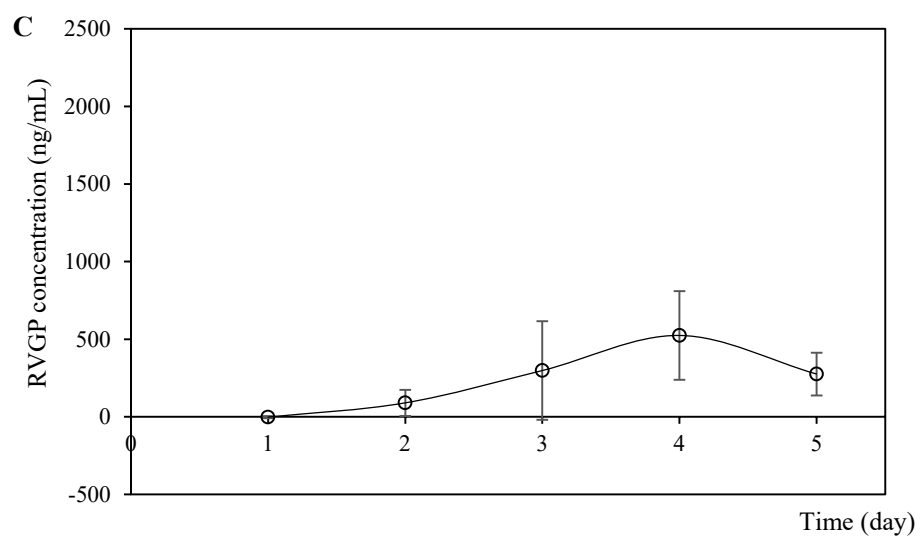
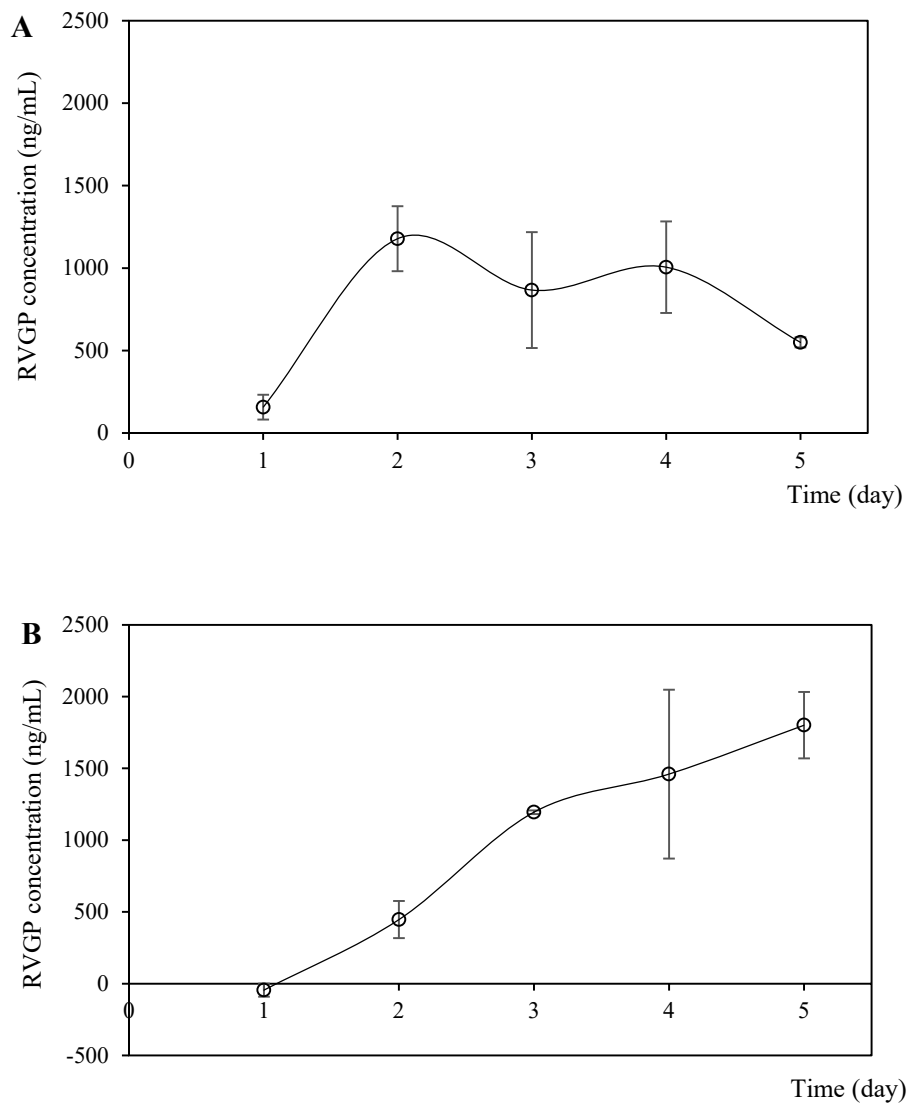


Figure S10. Kinetics profiles of rabies G glycoprotein (RVGP) production (measured by the signal intensity of the dot blot membrane labeled with anti-RVGP antibody) from Sf9 cells co-infected with recombinant baculoviruses carrying the rabies glycoprotein (BVG) and matrix protein (BVM) with a ratio between BVG and BVM of 2.5 using Schott flask as culture system. **A)** Coinfection 1: BVM 1 pfu/cell – BVG 2.5 pfu/cell. **B)** Coinfection 2: BVM 3 pfu/cell – BVG 7.5 pfu/cell. **C)** Coinfection 3: BVM 5 pfu/cell – BVG 12.5 pfu/cell. The points depict the average from three repetitions. Error bars represent the standard deviation from repetitions.



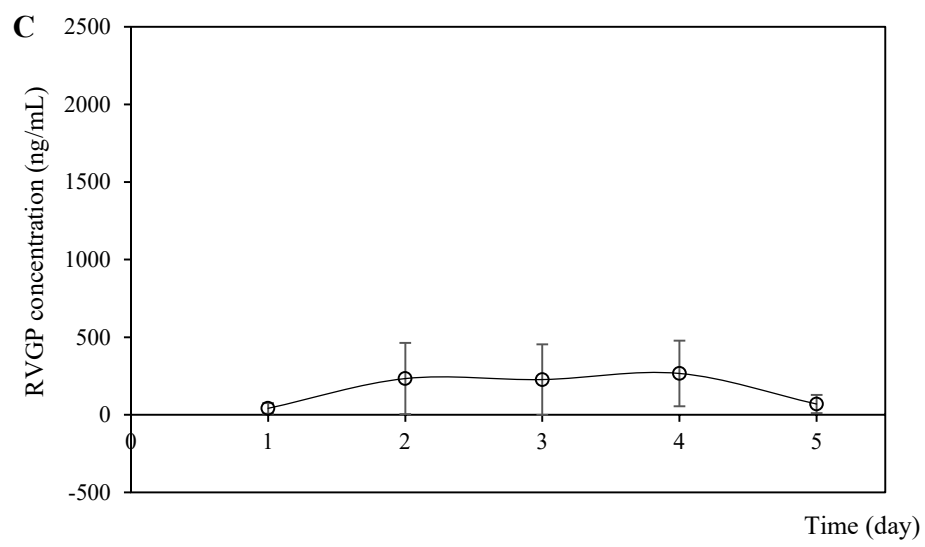


Figure S11. Perturbation graph of BVM MOI (A), BVG/BVM MOI ratio (B), and HT (C) on rabies G glycoprotein concentration (RVGP) (determined by Dot-blot) modelled statistically.

B

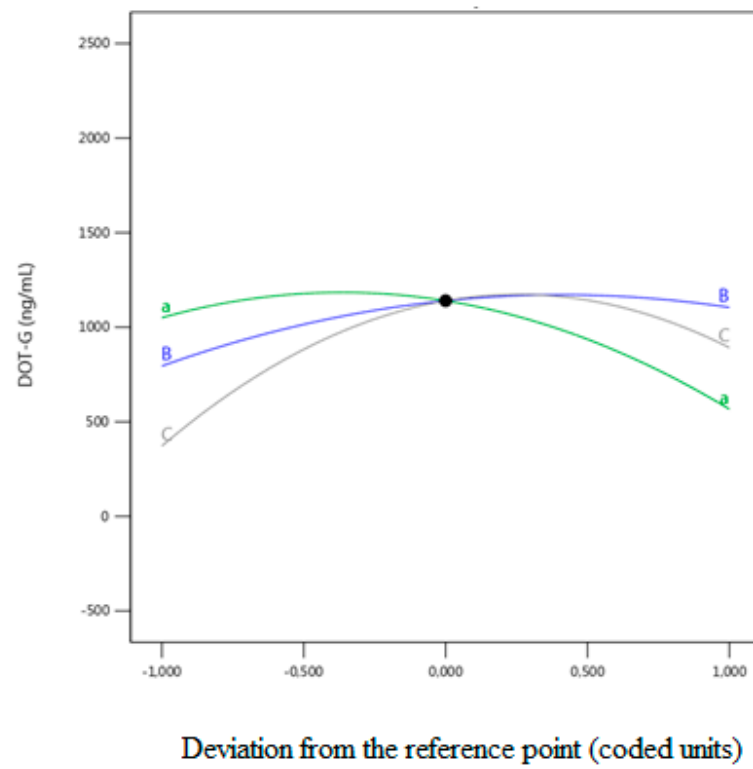
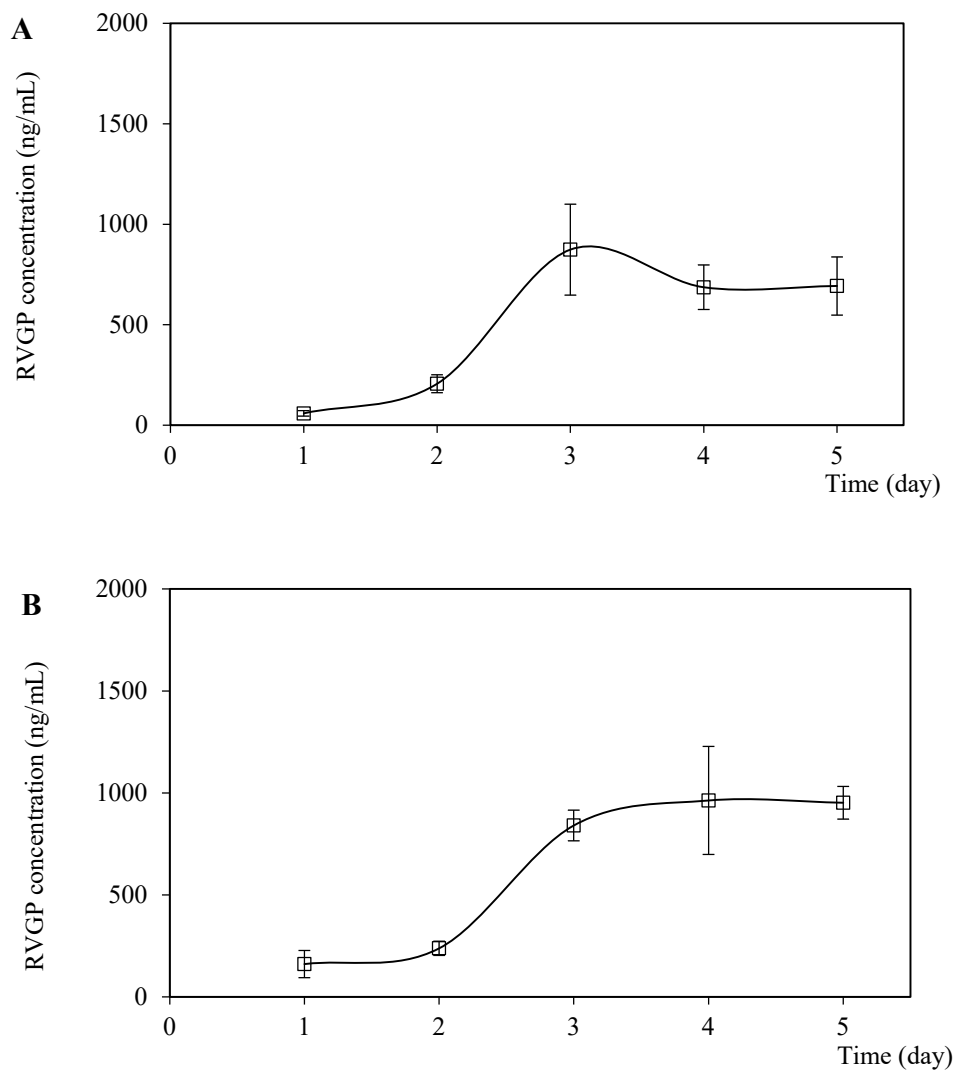


Figure S12. Kinetics profiles of rabies G glycoprotein (RVGP) production (measured by ELISA) from Sf9 cells co-infected with recombinant baculoviruses carrying the rabies glycoprotein (BVG) and matrix protein (BVM) with a ratio between BVG and BVM of 1.5 using Schott flask as culture system. **A)** Coinfection 1: BVM 1 pfu/cell – BVG 1.5 pfu/cell. **B)** Coinfection 2: BVM 3 pfu/cell – BVG 4.5 pfu/cell. **C)** Coinfection 3: BVM 5 pfu/cell – BVG 7.5 pfu/cell. The points depict the average from three repetitions. Error bars represent the standard deviation from repetitions.



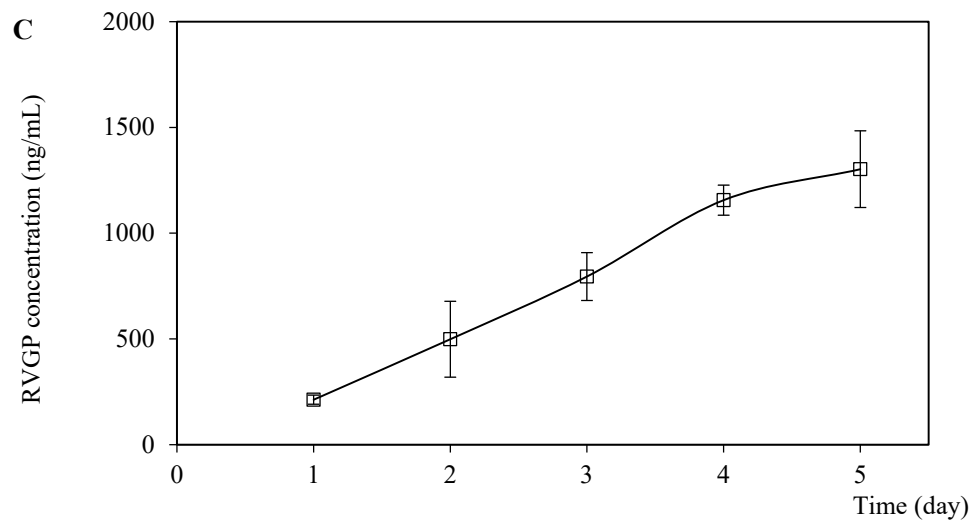
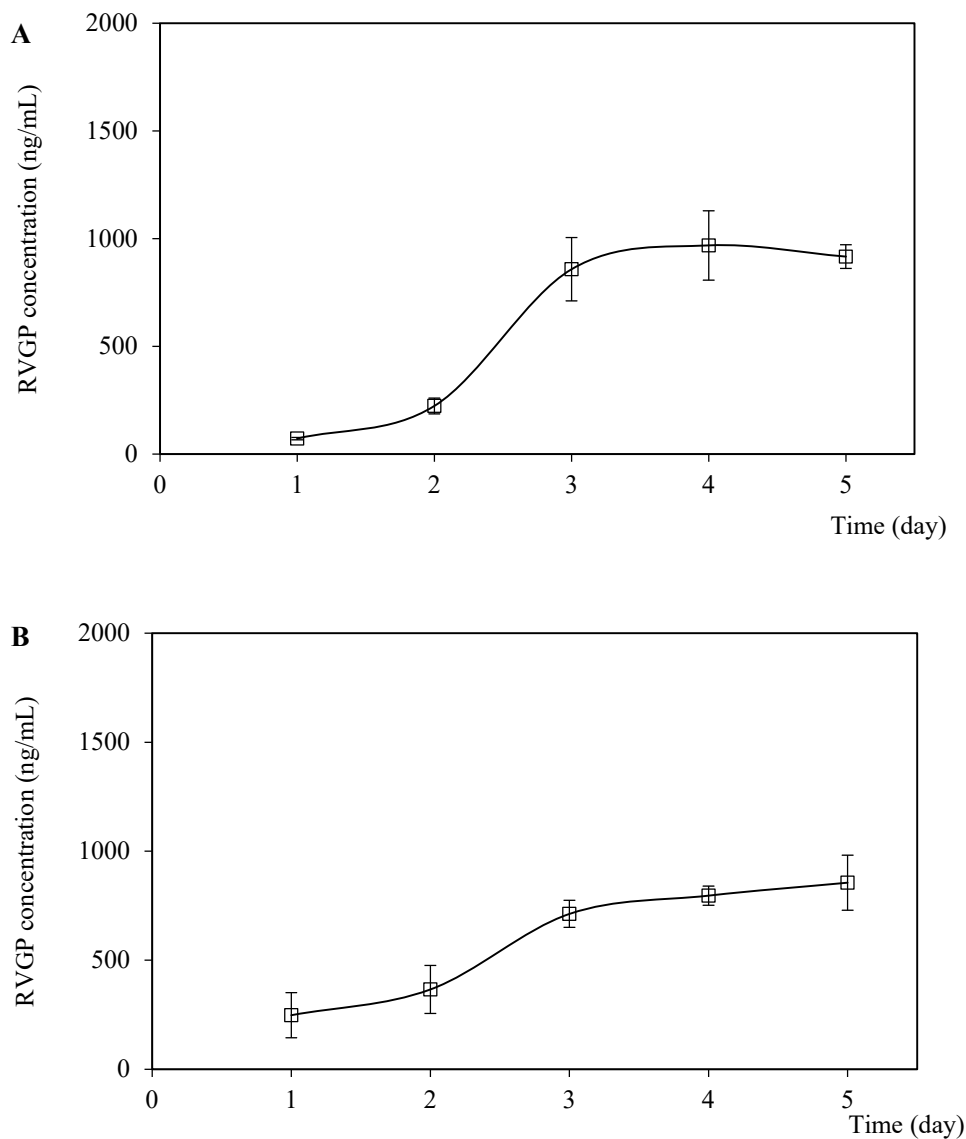


Figure S13. Kinetics profiles of rabies G glycoprotein (RVGP) production (measured by ELISA) from Sf9 cells co-infected with recombinant baculoviruses carrying the rabies glycoprotein (BVG) and matrix protein (BVM) with a ratio between BVG and BVM of 2.0 using Schott flask as culture system. **A)** Coinfection 1: BVM 1 pfu/cell – BVG 2.0 pfu/cell. **B)** Coinfection 2: BVM 3 pfu/cell – BVG 6.0 pfu/cell. **C)** Coinfection 3: BVM 5 pfu/cell – BVG 10.0 pfu/cell. The points depict the average from three repetitions. Error bars represent the standard deviation from repetitions.



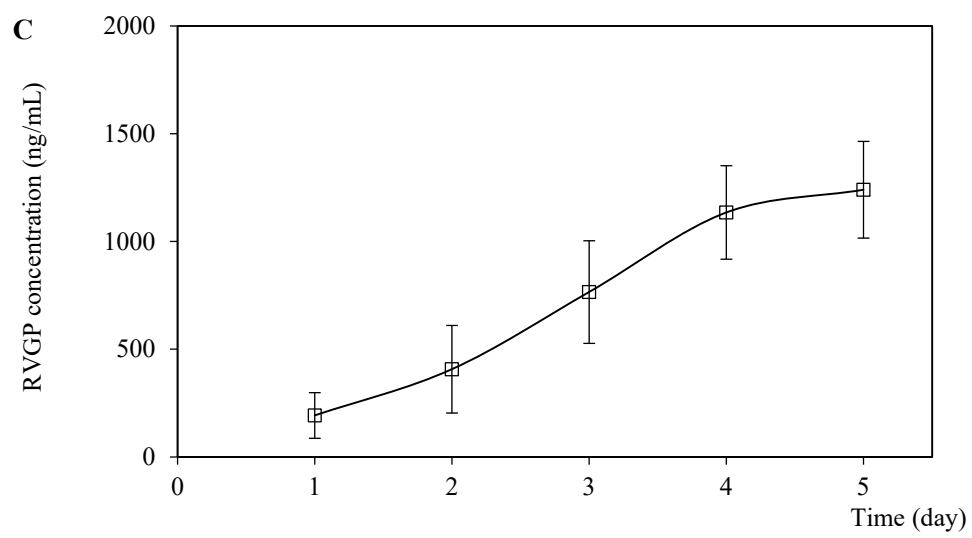
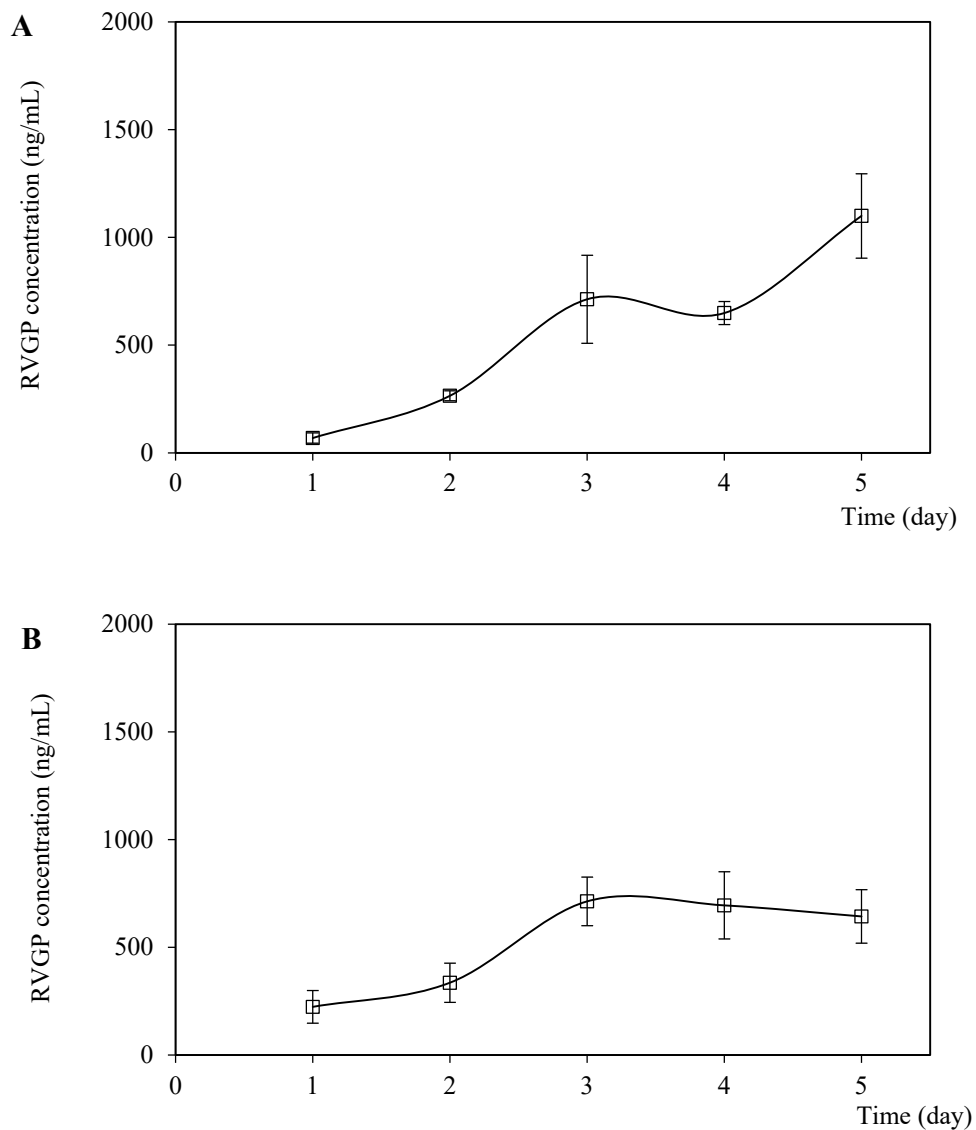


Figure S14. Kinetics profiles of rabies G glycoprotein (RVGP) production (measured by ELISA) from Sf9 cells co-infected with recombinant baculoviruses carrying the rabies glycoprotein (BVG) and matrix protein (BVM) with a ratio between BVG and BVM of 2.5 using Schott flask as culture system. **A)** Coinfection 1: BVM 1 pfu/cell – BVG 2.5 pfu/cell. **B)** Coinfection 2: BVM 3 pfu/cell – BVG 7.5 pfu/cell. **C)** Coinfection 3: BVM 5 pfu/cell – BVG 12.5 pfu/cell. The points depict the average from three repetitions. Error bars represent the standard deviation from repetitions.



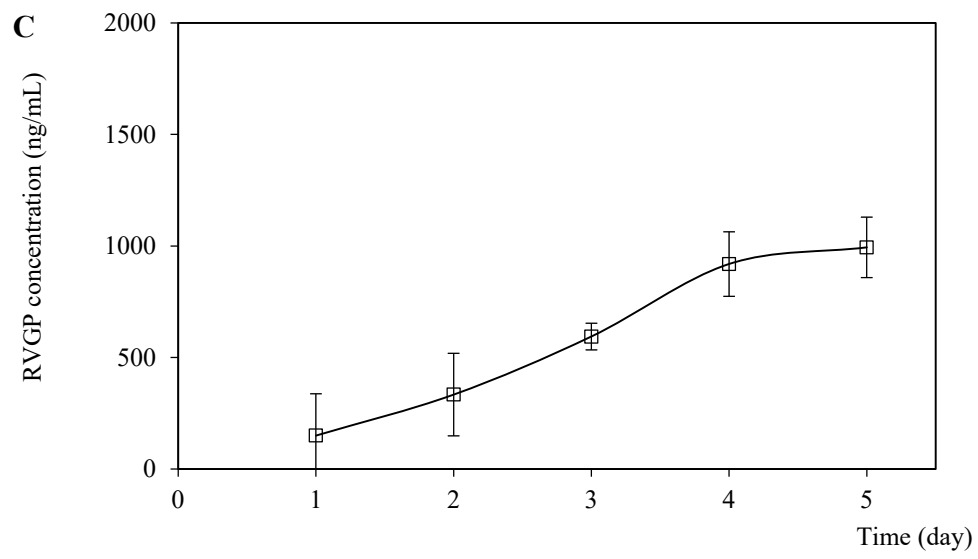


Figure S15. Perturbation graph of BVM MOI (A), BVG/BVM MOI ratio (B), and HT (C) on rabies G glycoprotein concentration (RVGP) (determined by ELISA) modelled statistically.

C

