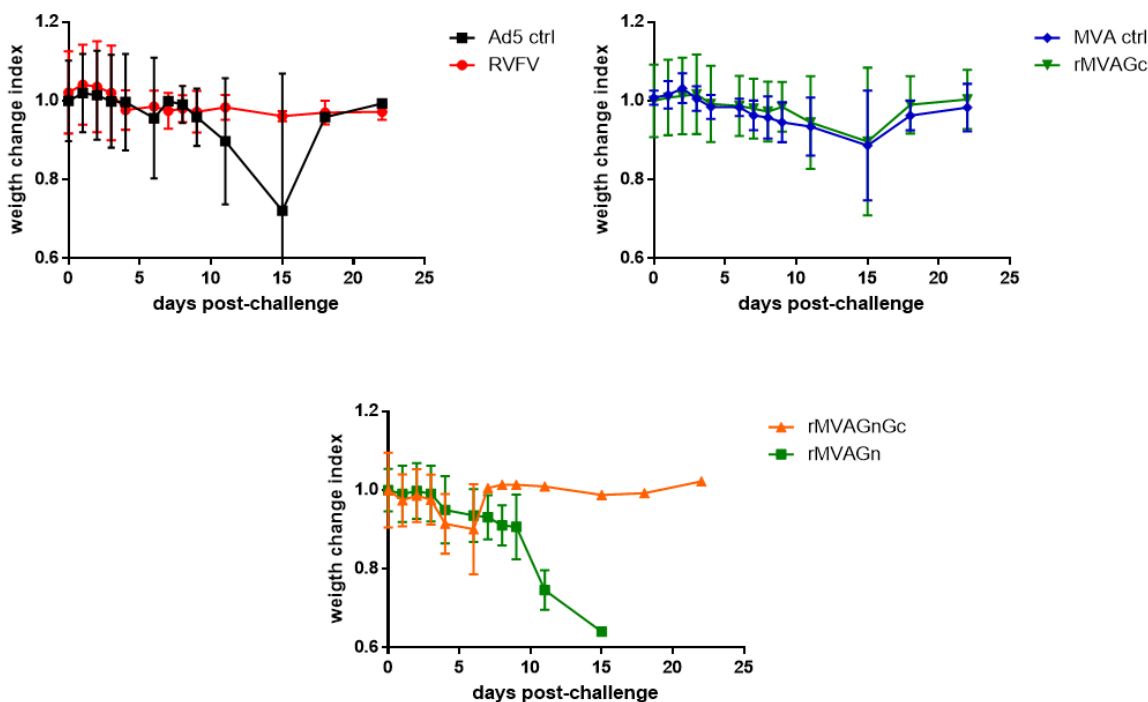# *vaccines*

Supplementary Material

Supplementary Table S1. Primers used for inverse PCR reaction

Name	5´-3' sequence	M-segment nucleotide positions (DQ380208.1)
end gn reverse	[Phos]GTGACACTGGTAATTTATCAG	1760-1739
startpb9 fwd:	TCCTACATACCATCTGCC	
endtpa reverse:	AGATCCTCTTCTGAATCG	
startgc fwd:	[Phos]TGTTCAGAACTGATTCAGG	2091-2109

Supplementary Figure S1- Weight loss after passive transfer in mice

Amino acid sequence of eGn encoded by rMVAGn

MDAMKRGLCCVLLLCGAVFVSPSQEIHARFRRGSMAGIAMTVLPALAVFALAPVVFAEDPHL
RNRPGKGHNYIDGMTQEDATCKPVTYAGACSSFDVLLEKGKFPLFQ^{SYAHHRTLL}EAVHDTIIAKADP
PSCDLLSAHGNPCMKEKLVMKTHCPNNYQSAHHLNNDGKMASVKCPPKYELTEDCNFCRQM
TGASLKKGSYPLQDLFCQSSEDDGSKLKTKMKGVCEVGVQALKKCDGQLSTAHEVVPFAVFKNS
KKVYLDKLDLKTEENLLPDSFVCFEHKGQYKGTMDFGQTKRELKSFDISQCPKIGGHGSKKCTGD
AAFCSAYECTAQYANAYCSHANGSGIVQIQVSGVWKKPLCVGYERVVVKRELSAKPIQRVEPCT
TCITKCEPHGLVVRSTGFKISSAVACASGVCVTGSQSPSTEITLKYPGISQSSGGDIGVHMAHDDQS
VSSKIVAHCPPQDPCLVHDCIVCAHGLINYQCH**SYIPSAEKIIPNPLLGLD**

Amino acid sequence of Gc encoded by rMVAGc

MDAMKRGLCCVLLLCGAVFVSPSQEIHARFRRGSCSELIQASSRITTCSTEGVNTKCRLSGTALI
RAGSVGAEACLMLKGVKEDQTKFLKLKTVSSELSCREGQSYWTGSFSPKCLSSRRCHLVGECHVN
RCLSWRDNETSAEFSFVGESTTMRENKCFEQCGGWGCGCFNVNPSCLFVHTYLQSVRKEALRVF
NCIDWVHKLTLEITDFDGSVSTIDLGASSSRFTNWGSVSLSLDAEGISGSNSFSFIESPGKGYAIVDE
PFSEIPRQGFLGEIRCNSESSVLSAHESCLRAPNLI^{SYKPMIDQL}ECTTNLIDPFVVFERGSLPQTRNDKTF
AASKGNRGVQAFSKGSVQADLTLMFDNFEVDFVGAAVSCDAAFLNLTGCYSCNAGARVCLSITS
TGTGSLSAHNKDGSLHIVLPSENGTKDQCQILHFTVPEVEEEFMYSCDGDERPLLVKGTLIAIDPF
DDRREAGGESTVVNPKSGSWNFFDWFSGLMSWF^{GGPLKTILL}<u>ICLYVALSIGLFFLLIYLGGTGLSKMW</u>
<u>LAATKKA</u>SRS**SYIPSAEKIIPNPLLGLD**

Supplementary Figure S2- Amino acid sequences of eGn and Gc encoded by the recombinant MVAs. **Bold**: N-terminal tPA leader sequence and C-terminal tag pb9/V5 epitope. <u>Underlined:</u> putative transmembrane-cytoplasmic tail of Gc. ^{Superscript}: class-I MHC peptides used in this work