Supplementary material

Persistent Infection of a Canine Histiocytic Sarcoma Cell Line with Attenuated Canine Distemper Virus Expressing Vasostatin or Granulocyte-Macrophage Colony-Stimulating Factor

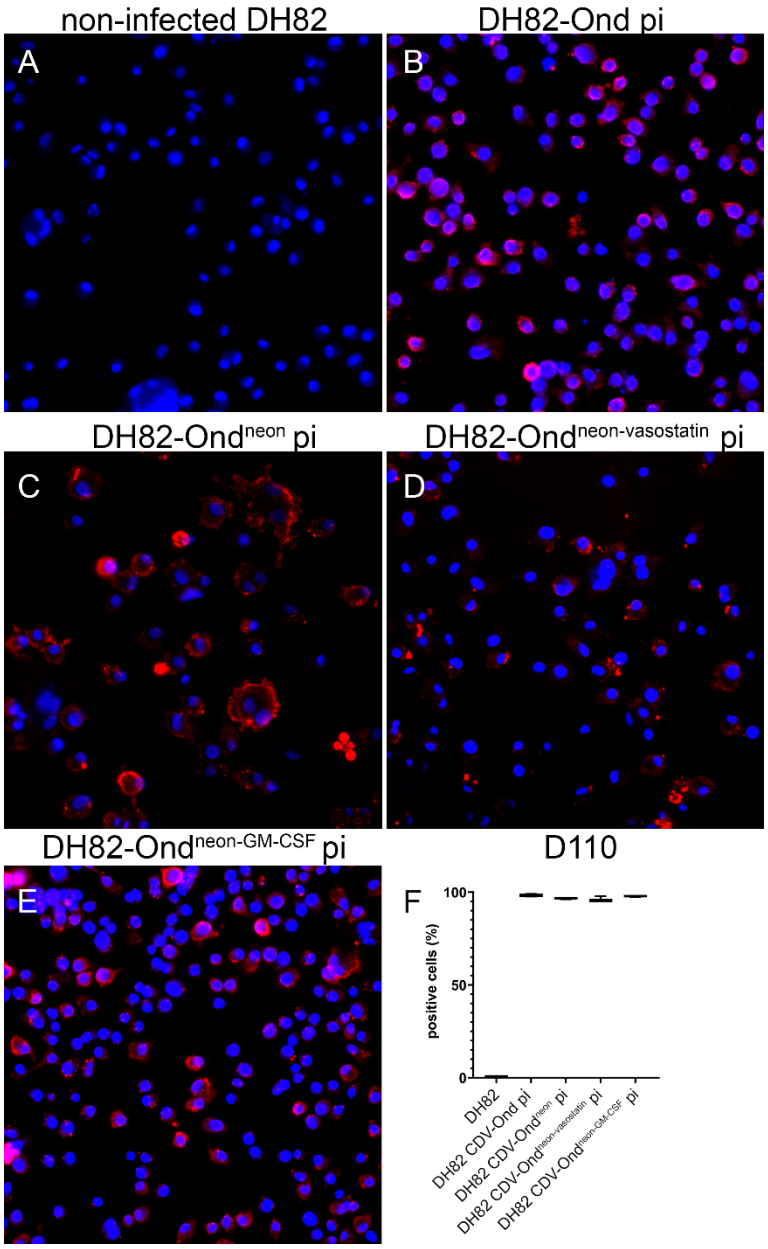
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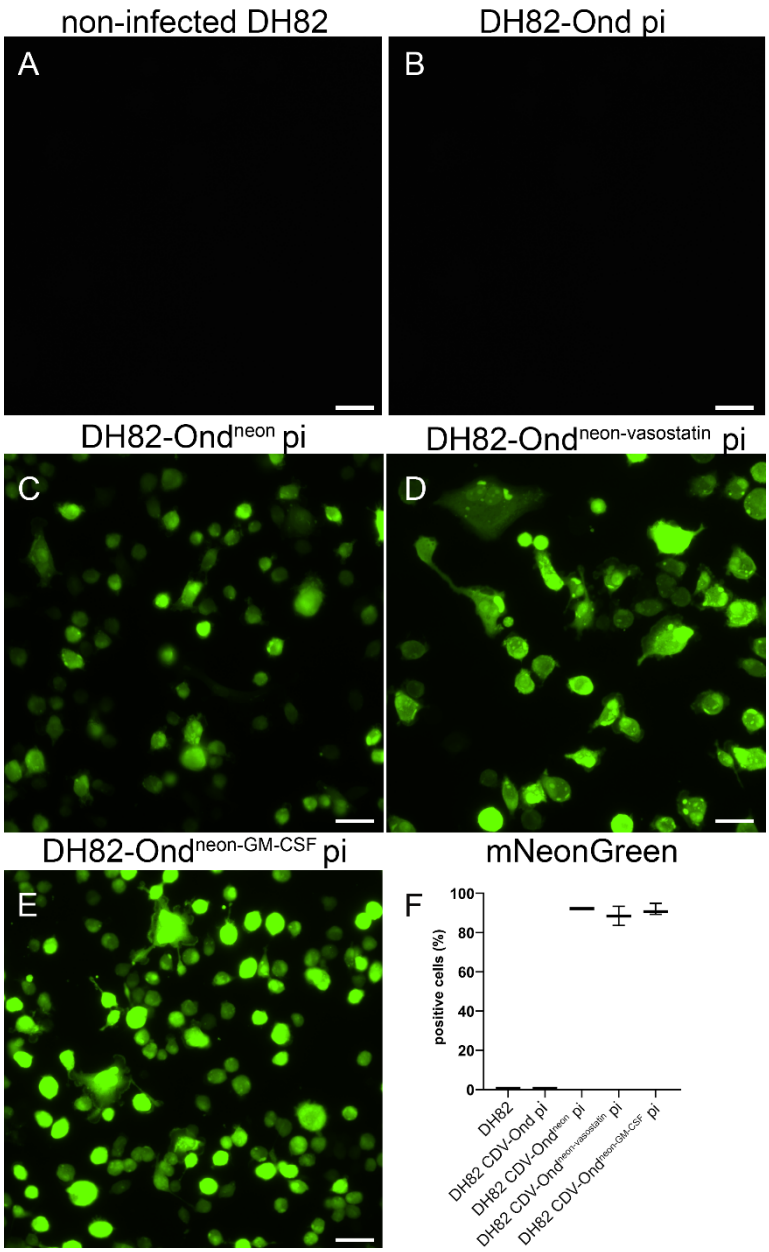
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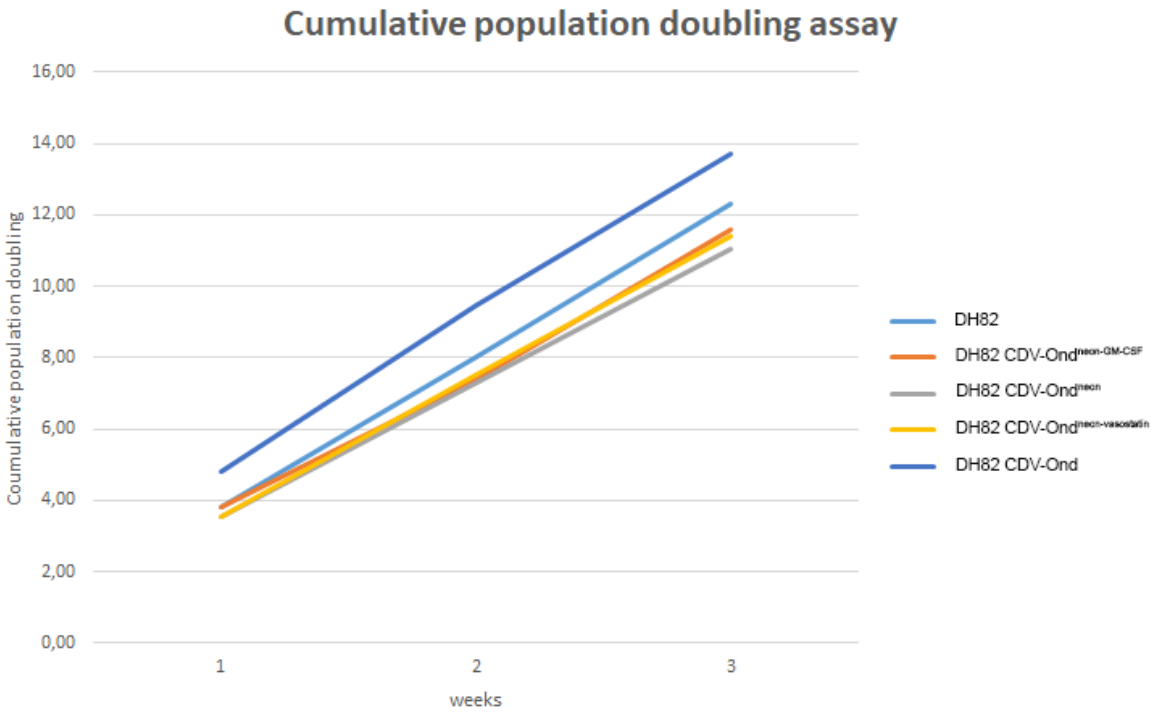
Supplementary figures S1-S4



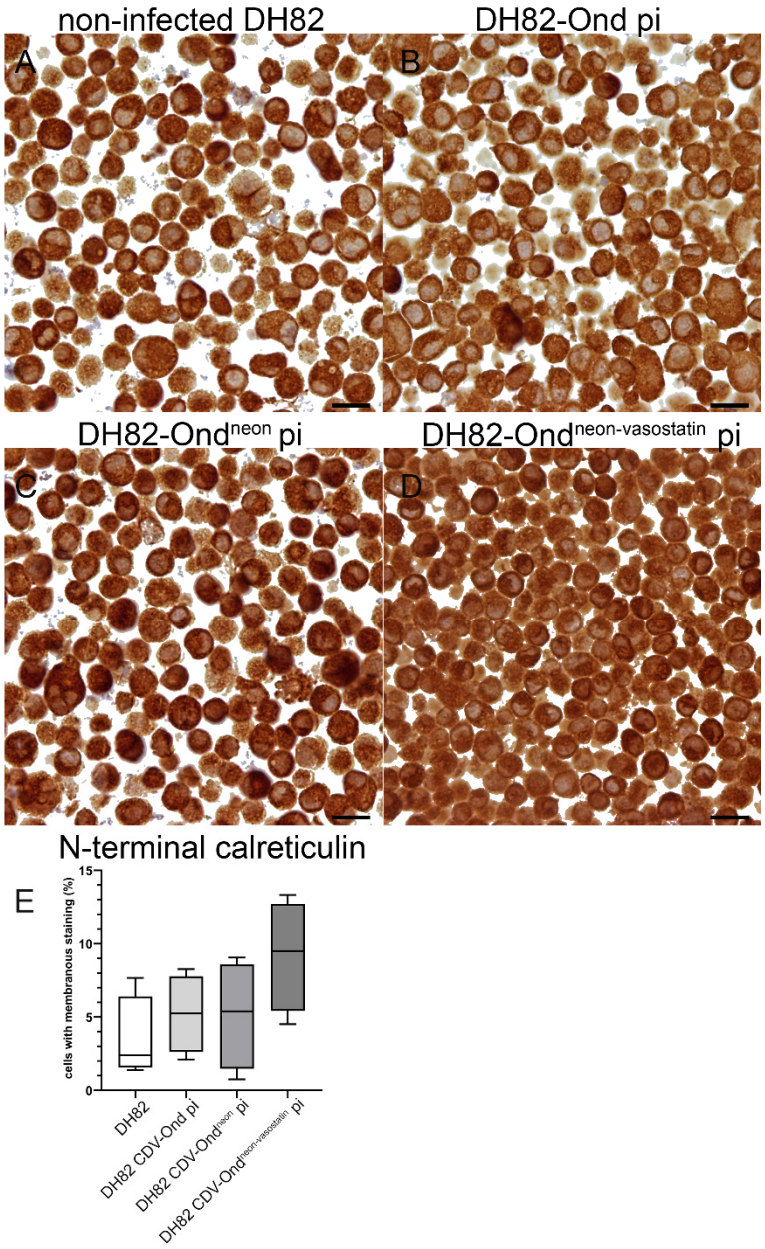
Supplementary Figure S1. (A) Immunofluorescence revealed that non-infected DH82 cells were negative for CDV-nucleoprotein. DH82 CDV-Ond pi (B), DH82 CDV-Ond^{neon} pi (C), DH82 CDV-Ond$^{neon\text{-}vasostatin}$ (D) and DH82 CDV-Ond$^{neon\text{-}GM\text{-}CSF}$ (E) cells were more than 95% positive for CDV-nucleoprotein. Nuclei were labeled with bisbenzimide (blue). Bar = 20µm. (F) Box plots represent minimum, median and maximum.



Supplementary Figure S2. Determination of mNeonGreen positive cells revealed that non-infected controls (A) and DH82 cells infected with CDV-Ond (B) were negative. In DH82 CDV-Ond^{neon} pi (C), DH82 CDV-Ond$^{neon\text{-}vasostatin}$ (D) and DH82 CDV-Ond$^{neon\text{-}GM\text{-}CSF}$ (E) cultures more than 80% of the cells expressed mNeonGreen. Bar = 20µm. (F) Box plots represent minimum, median and maximum.



Supplementary Figure S3. Cumulative population cell doubling (CPD) assay revealed that all cultures independent of the virus strain showed a similar growth rate**.**



Supplementary Figure S4. Immunohistochemistry for N-terminal calreticulin of non-infected DH82 cells (A) and DH82 cells persistently infected with CDV-Ond (B), CDV-Ond^{neon} (C) and CDV-Ond$^{neon\text{-}vasostatin}$ (D) displayed no significant differences in the intracellular protein distribution ($p \geq 0.05$, Mann-Whitney-U test). Bar = 20µm. (E) Graphical presentation of the percentage of cells with a membranous expression of N-terminal calreticulin in non-infected controls and DH82 cells infected with CDV-Ond, CDV-Ond^{neon} and CDV-Ond$^{neon\text{-}vasostatin}$. Box plots represent minimum, first quartile, median, third quartile and maximum.