**Supplementary file 3: Nucleic acids used in this study.**

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| **Primers** | **Sequence 5'-3'** |
| OAS1 common For  | GCTTGGTACCGAGCTCGGATCC |
| OAS1 common Rev  | CAGCAGAATCCAGGAGCTCACTGG |
| OAS1 p42 For | AGTGAGCTCCTGGATTCTGCTGGTGAGACCTCCTGCTTCCTCCC |
| OAS1 p42 wt Rev  | CTATAGAATAGGGCCCTCTAGATCAAGCTTCATGGAGAGGGGCAG |
| OAS1 p42 CaaX Rev  | TATAGAATAGGGCCCTCTAGATCAGAGGATGGTGCAAGCTTCAT |
| OAS1 p46 For  | CCCAGTGAGCTCCTGGATTCTGCTGGCTGAAAGCAACAGTGCAGACG |
| OAS1 p46 wt CaaX Rev  | ACTATAGAATAGGGCCCTCTAGATCAGAGGATGGTGCAGGTCCA |
| OAS1 p46 mut CaaX Rev  | ACTATAGAATAGGGCCCTCTAGATCAGAGGATGGTGGCGGTC |
| OAS1 p48 For  | AGTGAGCTCCTGGATTCTGCTGACCCAGCACACTCCAGGCAG |
| OAS1 p46 C-term mut\_F | TAAGAATTGGGATGGGTCCCCAG |
| OAS1 p46 C-term mut\_R | GACACTATAGAATAGGGCCCTCTAGA |
| OAS1 p48 Rev  | CTATAGAATAGGGCCCTCTAGATCAGGAGACCTGGGTTCTGTCC |
| OAS1DADA\_F | GAAGACAACCAGGGCAGCGGCAGATCGGCCTCT |
| OAS1DADA\_R | AGAGGCCGATCTGCCGCTGCCCTGGTT |
| OAS1FLAG\_F | CGACTCACTATAGGGAGACCCAAGCTTGGTACCGAGCTCGATGGACTACAAAGAC |
| OAS1FLAG\_R  | GTCCAGAGATTTGGCTGGGGTATTTCTGAGATCCATCATGCTTGTCATCGTCATCCTTGTAATCGATG |
| EMCV\_F | AGATCCGGATTGCCAGTCT |
| EMCV\_R | CACTATCGTAGCCTTCACGTTG |
| EMCV\_probe  | /56-FAM/AT ATC GCA G/ZEN/G CTG GGT CCG T/3IABkFQ/ |
| IAV NP Fwd | CGTTCTCCATCAGTCTCCATC |
| IAV NP Rev | GAGTGACATCAAAATCATGGCG |
| OAS1 CFK mut SDM fwd | CTGAGGCCTGGCTGAATTACCCAGCCGCTGCGAATTGGGATGGGTCCCCAGTGA |
| OAS1 CFK mut SDM rev | TCACTGGGGACCCATCCCAATTCGCAGCGGCTGGGTAATTCAGCCAGGCCTCAG |
| OAS1 p46Δ32 SDM fwd | ACGATCCCAGGAGGTATCAGAAATGCACCATCCTC |
| OAS1 p46Δ32 SDM rev | GAGGATGGTGCATTTCTGATACCTCCTGGGATCGT |
| OAS1 p46Δ22 SDM fwd | ACATTGGAACACATGAGTACCCTTGCACCATCCTCT |
| OAS1 p46Δ22 SDM rev | AGAGGATGGTGCAAGGGTACTCATGTGTTCCAATGT |
| OAS1 p46Δ12 SDM fwd | CCCAGCACACTCCAGTGCACCATCCTCTGA |
| OAS1 p46Δ12 SDM rev | TCAGAGGATGGTGCACTGGAGTGTGCTGGG |
| OAS1 SDM common+CTIL fwd | AGAGGGGCAGGGATGAATGGCAGGGAGGACTAAAGAATCGTGCACAGCAGAATCCAGGAGCTCACTGGGGACC |
| OAS1 SDM common+CTIL rev | GGTCCCCAGTGAGCTCCTGGATTCTGCTGTGCACGATTCTTTAGTCCTCCCTGCCATTCATCCCTGCCCCTCT |
| OAS1 p46 Ala mut9 SDM fwd | CAGAGGATGGTGCAGGCCGCGTCCTCTTCTGCCTGT |
| OAS1 p46 Ala mut9 SDM rev | ACAGGCAGAAGAGGACGCGGCCTGCACCATCCTCTG |
| p52\_F | CCCAGTGAGCTCCTGGATTCTGCTGCTGAAAGCAACAGTACAGACGATG |
| p52\_R | ACTATAGAATAGGGCCCTCTAGATTATCTATGATAGGATAGAGGGCATAGAA |
|   |   |
| **S/AS oligos**  | **Sequence 5'-3'** |
| OAS1 p42 WT S | GTGAGACCTCCTGCTTCCTCCCTGCCATTCATCCCTGCCCCTCTCCATGAAGCTTGA |
| OAS1 p42 WT AS | TCAAGCTTCATGGAGAGGGGCAGGGATGAATGGCAGGGAGGAAGCAGGAGGTCTCAC |
| OAS1 p42 CaaX S  | GTGAGACCTCCTGCTTCCTCCCTGCCATTCATCCCTGCCCCTCTCCATGAAGCTTGCACCATCCTCTGA |
| OAS1 p42 CaaX AS  | TCAGAGGATGGTGCAAGCTTCATGGAGAGGGGCAGGGATGAATGGCAGGGAGGAAGCAGGAGGTCTCAC |
| OAS1 p44 WT S | CCCAGTGAGCTCCTGGATTCTGCTGGTAAACCTCACACTGGTTGGCAGAAGGAACTATACCAATAATTAGTCTAGAGGGCCCTATTCTATAGTGT |
| OAS1 p44 WT AS | ACACTATAGAATAGGGCCCTCTAGACTAATTATTGGTATAGTTCCTTCTGCCAACCAGTGTGAGGTTTACCAGCAGAATCCAGGAGCTCACTGGG |
|  |  |
| **gBlocks (partial)** | **Sequence 5'-3'** |
| OAS1 p46 WT | GCTGAAAGCAACAGTGCAGACGATGAGACCGACGATCCCAGGAGGTATCAGAAATATGGTTACATTGGAACACATGAGTACCCTCATTTCTCTCATAGACCCAGCACACTCCAGGCAGCATCCACCCCACAGGCAGAAGAGGACTGGACCTGCACCATCCTCTGA |
| OAS1 p46 mutCaaX  | GCTGAAAGCAACAGTGCAGACGATGAGACCGACGATCCCAGGAGGTATCAGAAATATGGTTACATTGGAACACATGAGTACCCTCATTTCTCTCATAGACCCAGCACACTCCAGGCAGCATCCACCCCACAGGCAGAAGAGGACTGGACCGCCACCATCCTCTGA |
| OAS1 p48 WT | ACCCAGCACACTCCAGGCAGCATCCACCCCACAGGCAGAAGAGGACTGGACCTGCACCATCCTCTGAATGCCAGTGCATCTTGGGGGAAAGGGCTCCAGTGTTATCTGGACCAGTTCCTTCATTTTCAGGTGGGACTCTTGATCCAGAGAGGACAAAGCTCCTCAGTGAGCTGGTGTATAATCCAGGACAGAACCCAGGTCTCCTGA |
| OAS1 p52 WT | CTGAAAGCAACAGTACAGACGATGAGACCGACGATCCCAGGACGTATCAGAAATATGGTTACATTGGAACACATGAGTACCCTCATTTCTCTCATAGACCCAGCACACTCCAGGCAGCATCCACCCCACAGGCAGAAGAGGACTGGACCTGCACCATCCTCTGAATGCCAGTGCATCTTGGGGGAAAGGGCTCCAGTGTTATCTGGACCAGTTCCTTCATTTTCAGGTGGGACTCTTGATCCAGAGAAGACAAAGCTCCTCAGTGAGCTGGTGTATAATCCAGGACAGAACCCAGGTCTCCTGACTCCTGGCCTTCTATGCCCTCTATCCTATCATAGATAA |
| OAS1 p46 Ala mut1 | TGCTTTAAGAATTGGGATGGGTCCCCAGTGAGCTCCTGGATTCTGCTGGCTGCCGCGGCAGCTGCAGACGATGAGACCGACGATCCCAGGAGGTATCAGAAATATGGTTACATTGGAACACATGAGTACCCTCATTTCTCTCATAGACCCAGCACACTCCAGGCAGCATCCACCCCACAGGCAGAAGAGGACTGGACCTGCACCATCCTCTGATCTAGAGGGCCCTATTCTATAGTGTCACCTA |
| OAS1 p46 Ala mut2 | TGCTTTAAGAATTGGGATGGGTCCCCAGTGAGCTCCTGGATTCTGCTGGCTGAAAGCAACAGTGCAGCGGCAGCTGCCGCAGCGCCCAGGAGGTATCAGAAATATGGTTACATTGGAACACATGAGTACCCTCATTTCTCTCATAGACCCAGCACACTCCAGGCAGCATCCACCCCACAGGCAGAAGAGGACTGGACCTGCACCATCCTCTGATCTAGAGGGCCCTATTCTATAGTGTCACCTA |
| OAS1 p46 Ala mut3 | TGCTTTAAGAATTGGGATGGGTCCCCAGTGAGCTCCTGGATTCTGCTGGCTGAAAGCAACAGTGCAGACGATGAGACCGACGATGCTGCCGCGGCAGCTGCATATGGTTACATTGGAACACATGAGTACCCTCATTTCTCTCATAGACCCAGCACACTCCAGGCAGCATCCACCCCACAGGCAGAAGAGGACTGGACCTGCACCATCCTCTGATCTAGAGGGCCCTATTCTATAGTGTCACCTA |
| OAS1 p46 Ala mut4 | TGCTTTAAGAATTGGGATGGGTCCCCAGTGAGCTCCTGGATTCTGCTGGCTGAAAGCAACAGTGCAGACGATGAGACCGACGATCCCAGGAGGTATCAGAAAGCTGCCGCGGCAGCTGCACATGAGTACCCTCATTTCTCTCATAGACCCAGCACACTCCAGGCAGCATCCACCCCACAGGCAGAAGAGGACTGGACCTGCACCATCCTCTGATCTAGAGGGCCCTATTCTATAGTGTCACCTA |
| OAS1 p46 Ala mut5 | TGCTTTAAGAATTGGGATGGGTCCCCAGTGAGCTCCTGGATTCTGCTGGCTGAAAGCAACAGTGCAGACGATGAGACCGACGATCCCAGGAGGTATCAGAAATATGGTTACATTGGAACAGCTGCCGCGGCAGCTGCATCTCATAGACCCAGCACACTCCAGGCAGCATCCACCCCACAGGCAGAAGAGGACTGGACCTGCACCATCCTCTGATCTAGAGGGCCCTATTCTATAGTGTCACCTA |
| OAS1 p46 Ala mut6 | TGCTTTAAGAATTGGGATGGGTCCCCAGTGAGCTCCTGGATTCTGCTGGCTGAAAGCAACAGTGCAGACGATGAGACCGACGATCCCAGGAGGTATCAGAAATATGGTTACATTGGAACACATGAGTACCCTCATTTCGCTGCCGCGGCAGCTGCACTCCAGGCAGCATCCACCCCACAGGCAGAAGAGGACTGGACCTGCACCATCCTCTGATCTAGAGGGCCCTATTCTATAGTGTCACCTA |
| OAS1 p46 Ala mut7 | TGCTTTAAGAATTGGGATGGGTCCCCAGTGAGCTCCTGGATTCTGCTGGCTGAAAGCAACAGTGCAGACGATGAGACCGACGATCCCAGGAGGTATCAGAAATATGGTTACATTGGAACACATGAGTACCCTCATTTCTCTCATAGACCCAGCACAGCTGCCGCGGCAGCTGCACCACAGGCAGAAGAGGACTGGACCTGCACCATCCTCTGATCTAGAGGGCCCTATTCTATAGTGTCACCTA |
| OAS1 p46 Ala mut8 | TGCTTTAAGAATTGGGATGGGTCCCCAGTGAGCTCCTGGATTCTGCTGGCTGAAAGCAACAGTGCAGACGATGAGACCGACGATCCCAGGAGGTATCAGAAATATGGTTACATTGGAACACATGAGTACCCTCATTTCTCTCATAGACCCAGCACACTCCAGGCAGCATCCACCGCTGCCGCGGCAGCTGCATGGACCTGCACCATCCTCTGATCTAGAGGGCCCTATTCTATAGTGTCACCTA |
| OAS1 p46*Alligator mississippiensis* C-terminus | TGCTTTAAGAATTGGGATGGGTCCCCAGTGAGCTCCTGGATTCTGCTGCCTGAACAAACCCTCAAAGGGAGCAAGGGAGTCTGTGTTCGCTCTGTGGCTAAGCATGAAGCACGAAAACAGAAAGCTGCAGAACTTCAGCCTGTGCTGGTCTCTTCCTACAGCATCCCTGCCTTGGCCCCACAAGAGTTGGAAAAGCAACCCTCCTTTTGCAGCATACTCTGATCTAGAGGGCCCTATTCTATAGTGTCACCTA |
| OAS1 p46*Bos taurus*C-terminus | TGCTTTAAGAATTGGGATGGGTCCCCAGTGAGCTCCTGGATTCTGCTGCCCCAAGAACACAGTGACCTGATGTTCCAGGCCTATGATTTTAGACAGCACTGTAGACCCTCTCCAGGAATCCAGTTCCACGGAGGAGCCTCTCCCCAGGTGGAAGAGAACTGGACATGTACCATCCTCTGATCTAGAGGGCCCTATTCTATAGTGTCACCTA |
| OAS1 p46*Pteropus alecto*C-terminus | TGCTTTAAGAATTGGGATGGGTCCCCAGTGAGCTCCTGGATTCTGCTGCCCTACGACACACCCCACGTGGAAGAGGACCAGTGGTGTGCCATCCTCTGATCTAGAGGGCCCTATTCTATAGTGTCACCTA |
| OAS1 p46*Vulpes vulpes*C-terminus | TGCTTTAAGAATTGGGATGGGTCCCCAGTGAGCTCCTGGATTCTGCTGCTTGAAGAAGACTATGAGGACAATTGGATAACCTCTGAACACAGGACATATTCATACCATGATTATGGTTGGCGCCCTGTATCCTCTGGGAGCCTCAACACAGGCATGACACAGTCCATTCCCCAGCAGGAAGAAAACTGGATGTGTACCATCCTCTGATCTAGAGGGCCCTATTCTATAGTGTCACCTA |
| **siRNA** | **Sequence 5'-3'** |
| OAS1 | AGUCAAGCACUGGUACCAACAAUUUUGGUACCAGUG |
| p42 | GGUCACAAUCGAGGGUUAUUCCAGAAACCCUCGAU |
| p46  | AGAGAGAUUUAGAUAAGAUUCAUUCUCUUAUCUAAA |