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**Supplementary Data**

**IFN-β1b induces OAS3 to inhibit EV71 via IFN-β1b/JAK/STAT1 pathway**

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**Supplementary Table S1** Primers used for mutation and knockdown.

|  |  |  |
| --- | --- | --- |
| Primer name | Primer direction | Sequence (5′–3′) |
| shOAS3 | Forward | CCGGAAGCCACAAGTCTACTCTACCCTCGAGGGTAGAGTAGACTTGTGGCTTTTTTTG |
|  | Reverse | AATTCAAAAAAAGCCACAAGTCTACTCTACCCTCGAGGGTAGAGTAGACTTGTGGCTT |
| RNase L sgRNA | Forward | AAAGGACGAAACACCTGCTCTTATCAAAATCTGCCGTTTTAGAGCTAGAAATAG |
|  | Reverse | TGGTGTTTCGTCCTTTCCACAAGAT |
| OAS3-D816A | Forward | CAGAGGAAGGAGCGCTGCCGATCTCGTCG |
|  | Reverse | GCGCTCCTTCCTCTGAGGGCAGTGCCTTTG |
| OAS3-D818A | Forward | AAGGAGTGATGCCGCTCTCGTCGTCTTCC |
|  | Reverse | GCGGCATCACTCCTTCCCCTGAGGGCAGTG |
| OAS3-D888A | Forward | AGAGTGTCTATTTCGCTGTCCTCCCCGC |
|  | Reverse | GCGAAATAGACACTCTGATCGAGCATAG |
| OAS3-K950A | Forward | TCATCAGGCTCGTCGCACACTGGTATCAGC |
|  | Reverse | GCGACGAGCCTGATGAGACTTTTGAGTTTA |

**Supplementary Table S2** Primers used for RT-qPCR.

|  |  |  |
| --- | --- | --- |
| Primer name | Primer direction | Sequence (5′–3′) |
| EV71-RT | Forward | CTTTGTGCGCCTGTTTTATAC |
|  | Reverse | GGAAACAGAAGTGCTTGATCA |
| Negative-sense-RT | Forward | TTAAAACAGCCTGTGGGTTG |
| Positive-sense-RT | Reverse | Oligo d(T) |
| OAS3-RT | Forward | GAAGGAGTTCGTAGAGAAGGCG |
|  | Reverse | GCATCTCACTGAGGATCTCTGC |
| RNase L-RT | Forward | AGGAGGATCAAGAGCGGCTGA |
|  | Reverse | CAAGTGCTTCTTCTCCACTGC |
| MxA-RT | Forward | AGATAAGTGGAGAGGCAAGG |
|  | Reverse | CTCCAGGGTGATTAGCTCA |
| ISG15-RT | Forward | TCCTGGTGAGGAATAACAAGGG |
|  | Reverse | CTCAGCCAGAACAGGTCGTC |
| IFN-α2b-RT | Forward | TTGGCTGTGAAGAAATACTTCC |
|  | Reverse | TTGGCTGTGAAGAAATACTTCC |
| IFN-β1b-RT | Forward | AAACTCATGAGCAGTCTGCA |
|  | Reverse | AGGAGATCTTCAGTTTCGGAGG |
| IFN-γ-RT | Forward | GCAGGTCATTCAGATGTAGC |
|  | Reverse | TGGCTCTGCATTATTTTTCTG |
| IFN-28A-RT | Forward | GTTCAAGTCCCTGTCTCCAC |
|  | Reverse | CCAGAACCTTCAGCGTCA |
| IFN-29-RT | Forward | TTGAAGCTCGCTAGCTCCT |
| GAPDH-RT | ReverseForwardReverse | TTGAAGCTCGCTAGCTCCTTGCACCACCAACTGCTTAGCGGCATGGACTGTGGTCATGAG |