

## Supplemental Information

**Supplemental Table 1.** *Primer sequences for real-time PCR*

Gene	Primer sequences	
<i>Mouse</i>		
CCL11	Forward:5'-TGCAGAGCTCCACAGCGCTT-3'	Reverse:5'-GGGTGAGCCAGCACCTGGGA-3'
CCL24	Forward:5'-ACCTCCAGAACATGGCGGGC-3'	Reverse:5'-AGATGCAACACGCGCAGGCT-3'
CXCL1	Forward:5'-TGCACCCAAACCGAAGTCAT-3'	Reverse:5'-CAAGGGAGCTTCAGGGTCAAG-3'
CXCL2	Forward:5'-GCGCTGTCAATGCCTGAAG-3'	Reverse:5'-CGTCACACTCAAGCTCTGGAT-3'
CXCL10	Forward:5'-GCTGCAACTGCATCCATATC-3'	Reverse:5'-TTTCATCGTGGCAATGATCT-3'
GAPDH	Forward:5'-GTCGGTGTGAACGGATTG-3'	Reverse:5'GTCGTTGATGGCAACAATCTC-3'
GOB5	Forward:5'-CTGTCTTCCTCTTGATCCTCCA-3'	Reverse:5'-CGTGGTCTATGGCGATGACG-3'
IFN- $\alpha$	Forward:5'-CCATCCCTGTCTGAGTG-3'	Reverse:5'-CCATGCAGCAGATGAGTCCTT-3'
IFN- $\beta$	Forward:5'-CAGCCCTCTCCATCAACTATAAG-3'	Reverse:5'-CCTGTAGGTGAGGTTGATCTTTC-3'
IFN- $\gamma$	Forward:5'-ACGCTACACACTGCATCTTGG-3'	Reverse:5'-GTCACCATCCTTTTGCCAGTTC-3'
IL12b	Forward:5'-CTCCTGGTTTGCCATCGTTT-3'	Reverse:5'-GGGAGTCCAGTCCACCTCTA-3'
IL13	Forward:5'-CCTGGCTCTTGCTTGCCCTT-3'	Reverse:5'-GGTCTTGTGTGATGTTGCTCA-3'
IL17a	Forward:5'-GCCTGAGAGCTGCCCTTCAC-3'	Reverse:5'-GGCTGCCTGGCGACAATCG-3'
IL5	Forward:5'-CTCTGTTGACAAGCAATGAGACG-3'	Reverse:5'-TCTTCAGTATGTCTAGCCCCTG-3'
IL6	Forward:5'-TTGGTCCTTAGCCACTCCTTC-3'	Reverse:5'-TAGTCCTTCTACCCCAATTTCC-3'
MCP1	Forward:5'-GCTCTCTTCTCCACCAC-3'	Reverse:5'-GCGTAACTGCATCTGGCT-3'
Muc5ac	Forward:5'-AAAGACACCAGTAGTCACTCAGCAA-3	Reverse:5'-CTGGGAAGTCAGTGTCAAACC-3'
Muc5b	Forward:5'-GAGCAGTGGCTATGTGAAAATCAG-3'	Reverse:5'-CAGGGCGCTGTCTTCTTCAT-3'
TNF-a	Forward:5'-GCAGGTTCTGTCCCTTTCAC-3'	Reverse:5'-GTCGCGGATCATGCTTCTG-3'
<i>Human</i>		
GAPDH	Forward:5'-TTCGACAGTCAGCCGCATC-3'	Reverse:5'-CGACCAAATCCGTTGACTCC-3'
IL17a	Forward:5'-CAAGACTGAACACCGACTAAGG-3'	Reverse:5'-CCATTCCTCAGGGCCATTATC-3'

Supplementary Table 2. Characteristics of tested patients with EV-D68 or RV-A

Characteristic	EV-D68 N=10	RV-A N=11
Age Group, n (%)		
0-10 years	5 (50)	4 (36)
11+ years	5 (50)	7 (64)
Male, n (%)	5 (50)	6 (55)
Race, n (%)		
White	7 (70)	8 (73)
African American	2 (20)	2 (18)
Other	1 (10)	1 (9)
Inpatient Encounter, n (%)	7 (70)	11 (100)
ICU Admission, n (%)	2 (20)	2 (18)
Charlson Comorbidity Index, median (range)	2.5 (0, 8)	3 (0, 10)
History of Asthma <sup>a</sup> , n (%)	7 (78)	6 (75)

<sup>a</sup>History of asthma defined as those who received outpatient or inpatient medications for asthma, or who had an asthma ICD-9 code present in their hospital record. Asthma status missing for 1 in EV-D68 group and 3 in RV-A group.