

Supplementary Table S2. Histopathological lesion scores for tracheas and lungs of different experimental groups.

Histopathological lesions			Mock-treated (Neg. Ctrl))	Clinical Challenge			Sub-lethal Challenge		
				Mock-treated (Post. Ctrl)	RCASBP(A)-chIFITM1	RCASBP(A)-WT	Mock-treated (Post. Ctrl)	RCASBP(A)-chIFITM1	RCASBP(A)-WT
Trachea	Necrosis of lamina epithelialis		0.0±0.0	1.4±0.5	0.2±0.4	1.1±0.5	2.6±0.5	0.4±0.5	2.4±0.5
	Necrosis of some mucous secreting glands		0.0±0.0	1.6±0.5	0.4±0.5	1.4±0.5	2.6±0.5	0.4±0.5	1.8±0.4
	Edema in lamina propria/sub mucosa		0.0±0.0	2.6±0.5	0.2±0.4	2.2±0.4	2.6±0.5	0.4±0.5	2.4±0.5
	Inflammatory cells infiltrating		0.0±0.0	2.2±0.4	0.0±0.0	2.0±0.7	2.6±0.5	0.0±0.0	2.2±0.4
Lungs	Congestion of pulmonary blood vessels		0.0±0.0	2.6±0.5	0.6±0.5	2.2±0.4	3.0±0.0	0.8±0.4	2.6±0.5
	Inflammatory exudate		0.0±0.0 ^a	2.0±0.0	0.0±0.0	1.2±0.8	2.40±0.5	0.0±0.0	1.8±0.8

Data shown as mean ± SD; one-way analysis of variance (ANOVA) were used to determine differences between groups. Statistical significance is shown with values of p< 0.05