## **Supplementary data**

## **Supplementary Table 1:** Lung damage score in mock- or PlyD1 immunized mice following challenge with PLY

Study	Immunization	IN Challenge	No. of mice	Lung damage score per lobe (median)	<i>p</i> -value *
1	10 ug PlyD1	PLY 5µg dose	10	1.8	p<0.05
	Tris-saline	PLY 5µg dose	10	2.9	
2	10 μg PlyD1	PLY 5µg dose	10	1.5	P=0.0038
	Alooh	PLY 5µg dose	8	5.5	
3	10 μg PlyD1	PLY 5µg dose	15	1.5	p<0.05
	Alooh	PLY 5µg dose	15	6	

<sup>\*</sup>The p value was determined by using the Wilcoxon test, where PlyD1 immunized mice were compared to mock immunized mice