

Table SI. Primers used for reverse transcription-quantitative PCR.

Gene	Gene name	Primers (5'→3')
ENSG00000073756	PTGS2	F: ACTCCTCAGCAGCGCCTC R: CGCCCCATCCGAAACGA
ENSG00000169429	CXCL8	F: AAACCACCGGAAGGAACCAT R: CTCGACGTCCTTTAGTCCTTC
ENSG00000175592	FOSL1	F: TCAGCCCGAGAACTTTTCATT R: CAAGACTGAGTGGGCGCG
ENSG00000130656	HBZ	F: AGCCCCCAAACCCAGTC R: CCACAAAGAATAGTCTAGGTC
ENSG00000270550	IGHV3-30	F: GCTGGGTTTTCTCCTCGTTGC R: GTGTGAGTCAGAGAGATAAAG
ENSG00000282639	IGHV3-64D	F: GCTGGGTTCTCCTTGTTGC R: GAGTGTGATAGAGATCAAGAG
ENSG00000282651	IGHV5-10-1	F: GGGCCTCTCCACTTAAACC R: TAGGGTCGACCCACCACTT
Internal control	β-actin	F: TGACGTGGACATCCGCAAAG R: CTGGAAGGTGGACAGCGAGG

F, forward; R, reverse; PTGS2, prostaglandin-endoperoxide synthase 2; CXCL8, interleukin 8; FOSL1, fos-like antigen 1; HBZ, hemoglobin subunit ζ; IGHV, immunoglobulin heavy variable.

Table SII. Clinical characteristics of the children in the present study.

Variables	HC	Groups		P-value
		NRMPP	RMPP	
Age, months, median (range)	41 (18-120)	43.00 (23.00-132.00)	54.00 (21.00-108.00)	0.87150 ^a
Sex, male, n (%)	3 (50)	3.00 (50.00)	2.00 (33.30)	0.79850 ^a
Fever duration, days, median (range)	-	5.50 (4.00-7.00)	9.50 (7.00-13.00)	0.0065 ^c
WBC, 1x10 ⁹ /l, (5-12 ^b), median (range)	-	6.05 (4.70-10.90)	8.55 (5.8-12.20)	0.2403
Hb, g/l, (105-145 ^b), median (range)	-	115.50 (105.00-120.00)	104.00 (100.00-119.00)	0.0931
Plt, 1x10 ¹² /l, (140-440 ^b), median (range)	-	270.00 (143.00-399.00)	286.50 (196.00-495.00)	0.9372
HsCRP, mg/l, (<5 ^b), median (range)	-	27.20 (1.70-60.40)	54.04 (31.90-155.80)	0.0931
ALT, U/l, (0-60 ^b), median (range)	-	12.50 (8.00-27.00)	46.50 (23.00-719.00)	0.0087 ^c
LDH, U/l, (159-322 ^b), median (range)	-	305.50 (211.00-400.00)	840.00 (332.00-1470.00)	0.0087 ^c
ALB, g/l, (40-50 ^b), median (range)	-	39.45 (25.30-40.10)	27.25 (24.80-32.80)	0.0303 ^c
Consolidation, n (%)	-	3.00 (50.00)	6.00 (100.00)	0.1818
Hydrothorax, n (%)	-	0.00 (0.00)	4.00 (66.70)	0.0606

^aP-values are two-sided and were adjusted using the Bonferroni method; ^bNormal range for each laboratory finding; ^cP<0.05. MPP, *M. pneumoniae* pneumonia; NRMPP, non-refractory MPP; RMPP, refractory MPP; HC, healthy children; WBC, white blood cell; Hb, hemoglobin; Plt, platelet; HsCRP, high-sensitivity C-reactive protein; ALT, alanine aminotransferase; LDH, lactate dehydrogenase; ALB, albumin; -, not applicable.