

Table s1. Characteristics of influenza A (H5N1, H7N9, H10N8 or H1N1 pdm09) infected patients and healthy volunteers

	Avian influenza virus (n=47)			Mild H1N1 pdm09 patients (n=10)	Healthy volunteers(n=9)
	H5N1 (n=23)	H7N9 (n=21)	H10N8 (n=3)		
Age					
Age median (rang)	21(2-62) years	55.5(24-67) years	64(55-75) years	25.5 (14-42)years	40 (22-52) years
Interquartile range	16-31 years	45.5-65 years	55-75 years	14.75-37.25 years	27-47 years
2–14 years	4 subjects (17.4%)	0subjects (0%)	0 subjects (0%)	2 subjects (20%)	0 subjects (0%)
15–30 years	12 subjects (52.2%)	1subjects (4.8%)	0 subjects (0%)	5 subjects (50%)	4 subjects (44.4%)
31–50 years	5 subjects (21.7%)	5 subjects (23.8%)	0 subjects (0%)	3 subjects (30%)	4 subjects (44.4%)
51-65 years	2 subjects (8.7%)	9 subjects (42.9%)	1 subjects (33.3%)	0 subjects (0%)	1 subjects (11.2%)
>65 years	0 subjects (0%)	6 subjects (28.6%)	2 subjects (66.7%)	0 subjects (0%)	0 subjects (0%)
Male NO. (%)	11(50)	16(76.2)	1(33.3)	7(70%)	5(55.6%)
Clinical outcome					
Death NO.(%)	14(63.6)	10(47.6)	2(66.7)	0 (0)	/

Fig. S1. Sera CK-MB levels in PBS or PR8-challenged mice with or without 1,6-bis PC or/and peramivir treatment. (A) CK-MB kinetics in TC buffer-treated mice. n=3-4 mice per time point (mean  $\pm$  s.e.m.). (B) CK-MB levels were assessed 5 days postinfection. pi n = 3 to 4 mice per group (mean  $\pm$  s.e.m.). No significant differences were noted between different groups (p>0.05 by two-tailed t-test).

Fig. S2.

Sera LDHB levels in PBS or PR8-challenged mice with or without 1,6-bis PC or/and peramivir treatment. (A) LDHB kinetics in TC buffer-treated mice with PR8 infection. n =3 to 4 mice per time point (mean  $\pm$  s.e.m.). (B) LDHB levels were assessed 5 days postinfection. n=3 to 4 mice per group (mean  $\pm$  s.e.m.). \*p<0.05, \*\*p<0.01 ( two-tailed t-test). (C) Correlation between LDHB and CRP levels in TC buffer treated mice with PR8 infection. The Pearson correlation coefficients (r) and p values are provided in each graph.

Fig. S3. Correlation between sera LDHB and weight loss in PR8 challenged mice with TC buffer or 1,6-bis PC or/and peramivir treatment. Correlation between LDHB and weight loss in PR8 challenged mice with TC buffer treatment during 1 to 7 days postinfection (A), 1,6-bis PC or/and peramivir treatment 3 days (B), 5days (C) and 7 days postinfection. The Pearson correlation coefficients (r) and p values are provided in each graph.

Fig. S4. Schematic representation of Tranwell insert co-culture system. H5N1 virus infected A-549 cells seeded onto the lower chamber of a 12-well plate. THP-1 cells were seeded onto Millicell hanging cell culture inserts.

Fig. S1

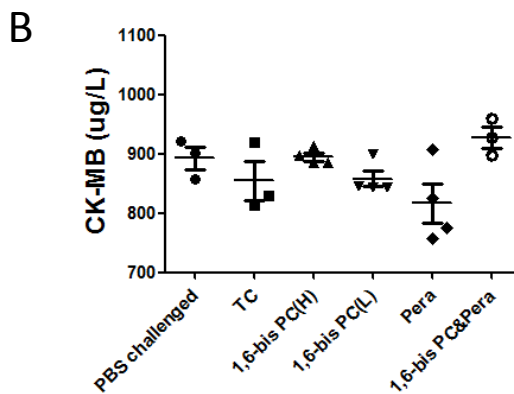
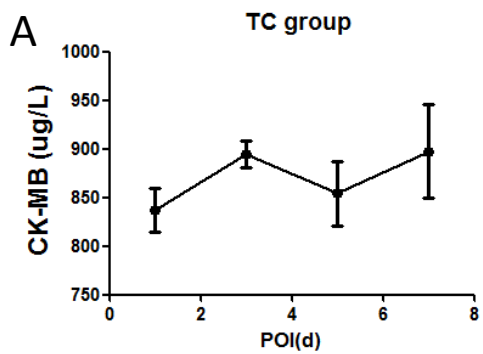


Fig. S2

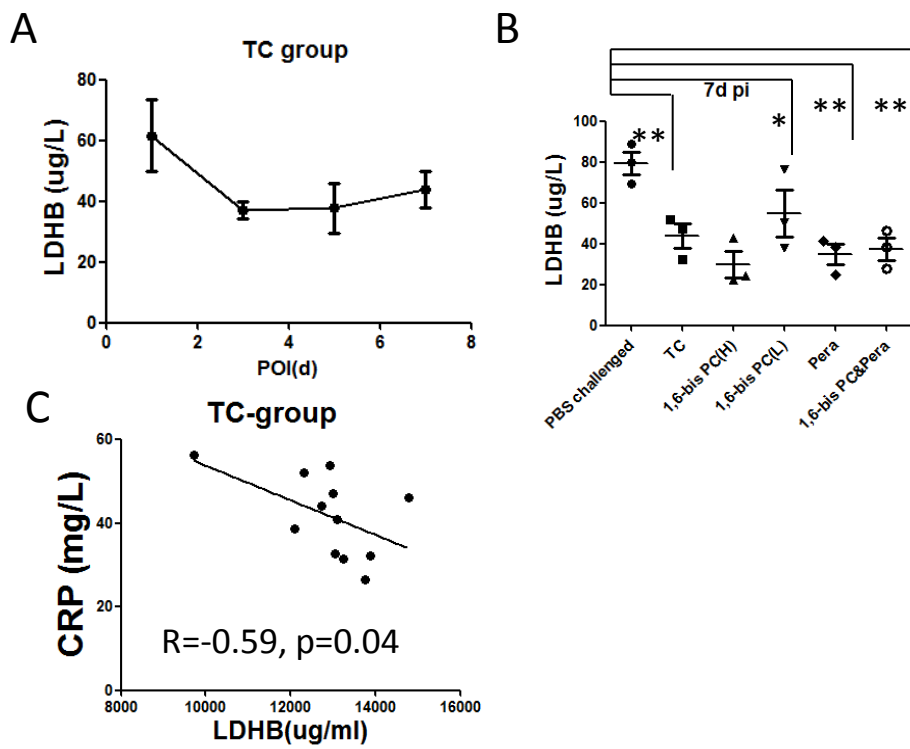


Fig. S3

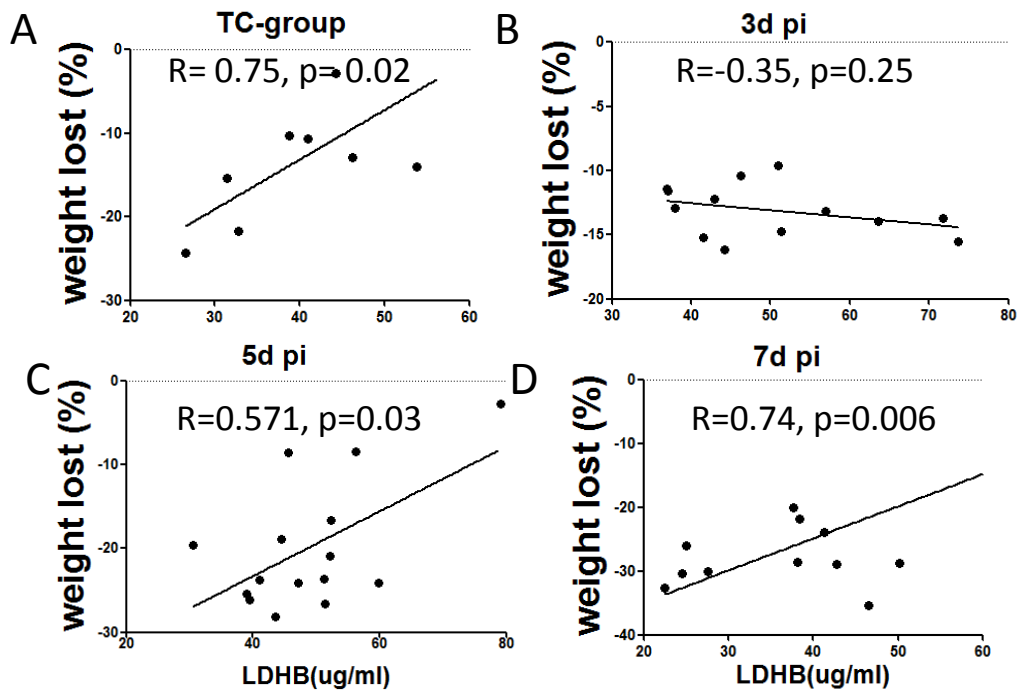


Fig. S4

