

Supplementary Table S1. Expression of innate immune genes in transgenic and non-transgenic chicken challenged with HPAI H5N1.

Innate immune genes	Sense & Anti-sense Primers	Fold change		Significance (<i>P value</i>)**
		Non-transgenic (Mock treated Neg. Ctrl)	Transgenic (RCASBP(A)-chIFITM1)	
Mx	5'-CACTGCAACAAGCAAAGAAGGA-3' 5'-TGATCAACCCCAAGGAAAA-3'	86.0	89.0	NS= 0.83
IFN- β	5'-CCTCCAACACCTCTTCAACATG-3' 5'-TGGCGTGCGGTCAAT-3'	35.0	39.0	NS= 0.67
Viperin	5'-TGCTTAAGGAGGCGGGAATG-3' 5'-CAGCTGGCCTACAAATTCGC-3'	19.0	18.0	NS= 0.75
IFI35	5'-TGGTCCGCTATCCTCTGTCA-3' 5'-CTCGAGTGAGCCCAATCTCC-3'	33.0	37.0	NS= 0.83
28S	5'-GGCGAAGCCAGAGGAAACT-3' 5'-GACGACCGATTGACGTC-3'	NA	NA	NA

*Fold change represents average of triplicate repeats run on samples, compared to corresponding 28S and is rounded to full number. ** *P values* >0.05 were considered non-statistically significant (NS).