

**Table 1**

The genomic segments of influenza A/Puerto Rico/8/1934 (H1N1) virus and their encoded proteins

Segment	Segment length in nucleotides	Encoded protein(s)	Protein length in amino acids	Protein function
1	2341	PB2	759	Polymerase subunit; mRNA cap recognition
2	2341	PB1 PB1-F2	757 87	Polymerase subunit; RNA elongation, endonuclease activity Pro-apoptotic activity
3	2233	PA	716	Polymerase subunit; protease activity
4	1778	HA	550	Surface glycoprotein; major antigen, receptor binding and fusion activities
5	1565	NP	498	RNA binding protein; nuclear import regulation
6	1413	NA	454	Surface glycoprotein; sialidase activity, virus release
7	1027	M1 M2	252 97	Matrix protein; vRNP interaction, RNA nuclear export regulation, viral budding Ion channel; virus uncoating and assembly
8	890	NS1 NEP/NS2	230 121	Interferon antagonist protein; regulation of host gene expression Nuclear export of RNA

The PB2, PA, HA, NP and NA proteins are each encoded on a separate RNA segment. The M2 and NEP are both expressed from spliced mRNAs, while PB1-F2 is encoded in a +1 alternate reading frame (kindly provided by Megan L. Shaw).