

PEPperCHIP® Influenza Virus H1N1 Proteome Microarray

Product:	PEPperCHIP® Peptide Microarray
Organism:	Influenza A virus (H1N1)
Strains:	1: A/USA:Texas/UR06-0195/2007 2: A/Russia:St.Petersburg/8/2006 3: A/Wisconsin/588/2019
Microarray Content:	A: Hemagglutinin B: Matrix protein 1 C: Matrix protein 2 D: Nucleoprotein E: Nuclear export protein F: Neuraminidase G: Non-structural protein 1 H: Polymerase acidic protein I: Protein PB1-F2 J: Polymerase basic protein 2 K: RNA-directed RNA polymerase catalytic subunit

UniProt Entry:

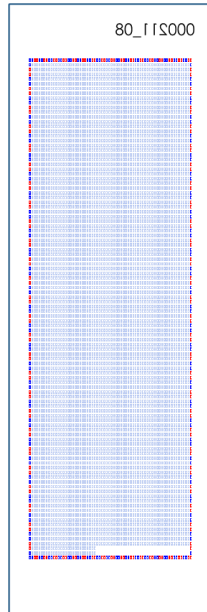
Protein	Strain 1	Strain 2	Strain 3
A	A8C8J4	B4URD6	QRV63266.1
B	A8C8J6	B4URD7	QRV63260.1
C	A8C8J5	B4URD8	QRV63261.1
D	A8C8J8	B4URE0	QRV63267.1
E	A8C8J9	B4URE1	QRV63264.1
F	A8C8J7	B4URD9	QRV63257.1
G	A8C8K0	B4URE2	QRV63263.1
H	A8C8K1	B4URE3	QRV63259.1
I	A8C8K3	B4URE5	QRV63262.1
J	A8C8K4	B4URE6	QRV63265.1
K	A8C8K2	B4URE4	QRV63258.1

Sequence Compilation:

The protein sequences were elongated by neutral GSGSGSG linkers to avoid truncated peptides. The elongated protein sequences were converted into 15 aa peptides with a peptide-peptide overlap of 13 aa printed in duplicate. Redundant peptides were removed.

- Peptide length/peptide-peptide overlap: 15 aa / 13 aa
- Number of peptides/spots: 4,856 / 9,712

Microarray Layout:



Each PEPperCHIP® Peptide Microarray is marked with microarray ID on the backside of the glass slide. The glass slide is accurately placed in an incubation tray with the microarray surface up if the microarray ID appears in the **top right corner in a **mirror view** manner.**

The PEPperCHIP® Influenza H1N1 Proteome Microarray contains a single peptide array and is compatible with a 3/1-well PEPperCHIP® Incubation Tray.

Each PEPperCHIP® Influenza H1N1 Proteome Microarray further contains HA and polio control peptides (108 spots each control peptide).

Microarray Layout Files:

Excel: Peptide Map Influenza Virus H1N1 Proteome Microarray.xlsx

MAPIX / GenePix® Pro: Influenza Virus H1N1 Proteome Microarray.gal