

## PEPperCHIP® Influenza Virus H1N1 Proteome Microarray

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<b>Product:</b>	PEPperCHIP® Peptide Microarray
<b>Organism:</b>	Influenza A virus (H1N1)
<b>Strains:</b>	1: A/USA:Texas/UR06-0195/2007, 2: A/Russia:St.Petersburg/8/2006, 3: A/New Zealand:South Canterbury/35/2000
<b>Microarray Content:</b>	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

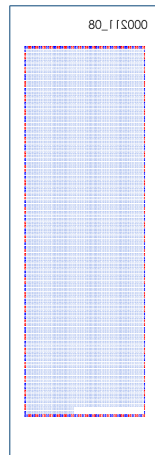
### UniProt Entry:

Protein	Strain 1	Strain 2	Strain 3
A	A8C8J4	B4URD6	Q289M7
B	A8C8J6	B4URD7	Q289M5
C	A8C8J5	B4URD8	Q289M6
D	A8C8J8	B4URE0	Q289M3
E	A8C8J9	B4URE1	Q289M2
F	A8C8J7	B4URD9	Q289M4
G	A8C8K0	B4URE2	Q289M1
H	A8C8K1	B4URE3	Q289M0
I	A8C8K3	B4URE5	Q289L8
J	A8C8K4	B4URE6	Q289L7
K	A8C8K2	B4URE4	Q289L9

**Sequence Compilation:**

The protein sequences were elongated by neutral GSGSGSG linkers to avoid truncated peptides. The elongated protein sequences were translated into 15 aa peptides printed in duplicate with a peptide-peptide overlap of 12 aa.

- peptide length/overlap: 15 aa / 12 aa
- number of peptides/spots: 3,555 / 7,110

**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.

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, Polio and c-Myc control peptides (31, 36 and 26 spots each control).

**Microarray Layout Files:**

Excel: Peptide Map\_InfluenzaVirus\_H1N1\_Proteome\_Microarray.xlsx

GenePix® Pro: InfluenzaVirus\_H1N1\_Proteome.gal

PepSlide® Analyzer: InfluenzaVirus\_H1N1\_Proteome.psf