PEPperCHIP® Influenza Virus H1N1 Proteome Microarray

Product: PEPperCHIP® Peptide Microarray
Organism: Influenza A Virus (H1N1)
Strains:
1: A/USA:Texas/UR06-0195/2007
3: A/New Zealand:South Canterbury/35/2000

Microarray Content/UniProt Entry:

<table>
<thead>
<tr>
<th>Protein</th>
<th>Strain 1</th>
<th>Strain 2</th>
<th>Strain 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hemagglutinin</td>
<td>A8C8J4</td>
<td>B4URD6</td>
<td>Q289M7</td>
</tr>
<tr>
<td>Matrix protein 1</td>
<td>A8C8J6</td>
<td>B4URD7</td>
<td>Q289M5</td>
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<tr>
<td>Matrix protein 2</td>
<td>A8C8J5</td>
<td>B4URD8</td>
<td>Q289M6</td>
</tr>
<tr>
<td>Nucleoprotein</td>
<td>A8C8J8</td>
<td>B4URE0</td>
<td>Q289M3</td>
</tr>
<tr>
<td>Nuclear export protein</td>
<td>A8C8J9</td>
<td>B4URE1</td>
<td>Q289M2</td>
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<tr>
<td>Neuraminidase</td>
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<td>B4URD9</td>
<td>Q289M4</td>
</tr>
<tr>
<td>Non-structural protein 1</td>
<td>A8C8K0</td>
<td>B4URE2</td>
<td>Q289M1</td>
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<tr>
<td>Polymerase acidic protein</td>
<td>A8C8K1</td>
<td>B4URE3</td>
<td>Q289M0</td>
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<td>Protein PB1-F2</td>
<td>A8C8K3</td>
<td>B4URE5</td>
<td>Q289L8</td>
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<tr>
<td>Polymerase basic protein 2</td>
<td>A8C8K4</td>
<td>B4URE6</td>
<td>Q289L7</td>
</tr>
<tr>
<td>RNA-directed RNA polymerase catalytic subunit</td>
<td>A8C8K2</td>
<td>B4URE4</td>
<td>Q289L9</td>
</tr>
</tbody>
</table>

Sequence Length/Status: 13,895 AA/Complete
Sequence Compilation: The protein sequences were translated into 15mer peptides with a peptide-peptide overlap of 12 amino acids. The C- and N-termini were elongated by neutral GSGSGSG linkers to avoid truncated peptides.
Peptide Length/Overlap: 15 AA/12 AA
Number of Peptides/Spots: 3,939/7,878 (peptides as duplicates)
Microarray Layout:

Each PEPperCHIP® is marked with an individual number on the backside of the slide. The slide is placed correctly in an incubation tray with the microarray surface up when the slide number appears in the upper right corner in a mirror view manner.

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

The peptide array is framed by Flag and HA control peptides (292 and 288 spots each peptide).

Microarray Layout Files:

Excel: Peptide Map_InfluenzaVirus_H1N1_Proteome_Microarray.xlsx
GenePix® Pro: InfluenzaVirus_H1N1_Proteome.gal
PepSlide® Analyzer: InfluenzaVirus_H1N1_Proteome.psf