

PEPperCHIP® Influenza Virus H5N1 Proteome Microarray

Product:	PEPperCHIP® Peptide Microarray
Organism:	Influenza A virus (H5N1)
Strains:	<p>1: A/Hong Kong/H5N1 genotype Z+</p> <p>2: A/Guinea fowl/Hong Kong/H5N1 genotype X0</p> <p>3: A/Goose/Guangxi/345/2005 H5N1 genotype G</p> <p>4: A/Duck/Hong Kong/2986.1/2000 H5N1 genotype C</p> <p>5: A/Chicken/Shantou/4231/2003 H5N1 genotype V</p> <p>6: A/Chicken/Hong Kong/YU562/2001 H5N1 genotype B</p> <p>7: A/Chicken/Hong Kong/FY150/2001 H5N1 genotype D</p> <p>8: A/Chicken/Hong Kong/YU22/2002 H5N1 genotype Z</p> <p>9: A/Chicken/Hong Kong/37.4/2002 H5N1 genotype X2</p> <p>10: A/Chicken/Hong Kong/715.5/2001 H5N1 genotype E</p> <p>11: A/Chicken/Hong Kong/96.1/2002 H5N1 genotype Y</p> <p>12: A/Chicken/Hong Kong/31.2/2002 H5N1 genotype X1</p>
Microarray Content:	<p>A: Hemagglutinin</p> <p>B: Matrix protein 1</p> <p>C: Matrix protein 2</p> <p>D: Nucleoprotein</p> <p>E: Nuclear export protein</p> <p>F: Neuraminidase</p> <p>G: Non-structural protein 1</p> <p>H: Polymerase acidic protein</p> <p>I: Protein PB1-F2</p> <p>J: Polymerase basic protein 2</p> <p>K: RNA-directed RNA polymerase catalytic subunit</p>

UniProt Entry:

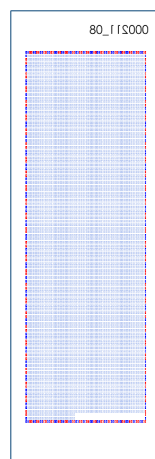
Content	Strain											
	1	2	3	4	5	6	7	8	9	10	11	12
A	Q6J8F6	Q6DQ22	Q2F4V2	Q8QPL1	Q6DPZ9	Q80A30	Q80A28	Q6DQ18	Q6DQ20	Q80A22	Q6J8E7	Q6DQ21
B	Q6J8D2	Q6DPU2	Q2LG20	Q8QP11	Q6DPQ0	Q80A06	Q80A04	Q6DPT4	Q6DPT8	Q809Z8	Q6J8C3	Q6DPU0
C	P0C5T5	Q6DPU3	P0C5T6	P0C575	Q6DPQ1	P0C5T1	P0C5T2	Q6DPT5	Q6DPT9	P0C5T3	P0C5T4	Q6DPU1
D	Q6J8C0	Q6DPE9	Q2LFN9	Q8QPJ5	Q6DPC7	Q809S9	Q809S7	Q6DPE5	Q6DPE7	Q809S1	Q6J8B1	Q6DPE8
E	P0C5U3	Q6DP71	P0C5U4	P0C5T7	Q6DP29	P0C5T9	P0C5U0	Q6DP63	Q6DP67	P0C5U1	P0C5U2	Q6DP69
F	Q6J8E4	Q6DPK2	Q2LFV4	Q8QPK2	Q6DPH9	Q809V4	Q809V2	Q6DPJ8	Q6DPK0	Q809U7	Q6J8D5	Q6DPK1
G	Q6J880	Q6DP70	Q2F4N6	Q8QPI8	Q6DP28	Q809Y0	Q809X8	Q6DP62	Q6DP66	Q809X2	Q6J871	Q6DP68
H	Q6J844	Q6DNY0	Q2F4H0	Q8QPG0	Q6DNV6	Q809K1	Q809J9	Q6DNX6	Q6DNX8	Q809J3	Q6J835	Q6DNX9
I	P0C5V7	P0C5V0	P0C5V9	P0C5U5	P0C5V8	P0C5U7	P0C5U8	P0C5V5	P0C5V2	P0C5U9	P0C5V4	P0C5V1
J	Q6J868	Q6DNM2	Q2LG86	Q8QPG7	Q6DNK1	Q809Q3	Q809Q1	Q6DNL8	Q6DNM0	Q809P5	Q6J859	Q6DNM1
K	Q6J856	Q6DNS6	Q2LFH3	Q8QPH4	Q6DNQ5	Q809M7	Q809M5	Q6DNS2	Q6DNS4	Q809L9	Q6J847	Q6DNS5

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 10 aa. Identical peptides were removed.

- peptide length/overlap: 15 aa / 10 aa
- number of peptides/spots: 5,506 / 11,012

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 Virus H5N1 Proteome Microarray contains a single peptide array and is compatible with a 3/1-well PEPperCHIP® Incubation Tray.

PEPperCHIP® Influenza Virus H5N1 Proteome Microarray further contains additional HA, Polio and c-Myc control peptides (20, 24 and 16 spots each control).

Microarray Layout Files:

Excel: Peptide_Map_Influenza_Virus_H5N1_Proteome_Microarray.xlsx

MAPIX / GenePix® Pro: Influenza_Virus_H5N1_Proteome_Microarray.gal