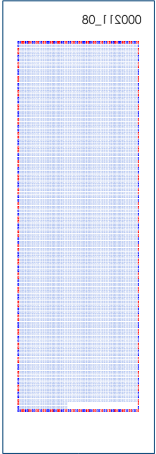


PEPperCHIP® Yellow Fever Virus Proteome Microarray

Product:	PEPperCHIP® Peptide Microarray
Organism:	Yellow fever virus (strains 17D vaccine and Ghana/Asibi/1927)
Microarray Content:	Genome polyprotein cleaved into the following 14 chains: <ol style="list-style-type: none"> 1. Capsid protein C (Core protein) 2. prM 3. Peptide pr 4. Small envelope protein M (Matrix protein) 5. Envelope protein E 6. Non-structural protein 1 7. Non-structural protein 2A 8. Non-structural protein 2A-alpha 9. Serine protease subunit NS2B (Flavivirin protease NS2B regulatory subunit, Non-structural protein 2B) 10. Serine protease NS3 (Flavivirin protease NS3 catalytic subunit, Non-structural protein 3) 11. Non-structural protein 4A 12. Peptide 2k 13. Non-structural protein 4B 14. RNA-directed RNA polymerase NS5 (Non-structural protein 5)
UniProt Entry:	P03314, Q6DV88
Sequence Length/Status:	3,411 AA/Complete
Sequence Compilation:	The protein sequence was translated into 13mer 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:	13 AA/12 AA
Number of Peptides/Spots:	3,789/7,578 (peptides as duplicates)
Microarray Layout:	 <p>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.</p> <p>PEPperCHIP® Yellow fever virus Proteome Microarray contains one peptide array and is fully compatible with a 3/1 well PEPperCHIP® Incubation Tray.</p> <p>Each array is framed by Flag and HA control peptides (184 spots each peptide).</p>
Microarray Layout Files:	Excel: Peptide_Map_YellowFeverVirus_Proteome.xlsx GenePix® Pro: YellowFeverVirus_Proteome.gal PepSlide® Analyzer: YellowFeverVirus_Proteome.psf