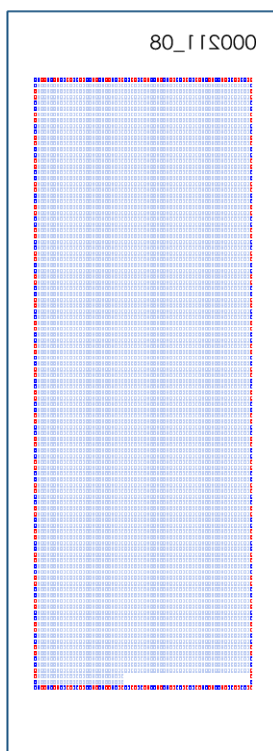


## PEPperCHIP® Conformational Pan-AAV Capsid Protein Microarray

<b>Product:</b>	PEPperCHIP® Conformational Peptide Microarray
<b>Organism:</b>	Adeno-associated virus
<b>Microarray Content:</b>	Capsid proteins from AAV1 (NP_049542.1), AAV2 (UniProt ID: P03135), AAV3b (UniProt ID: O56139), AAV4 (UniProt ID: O41855), AAV5 (UniProt ID: Q9YIJ1), AAV6 (UniProt ID: O56137), AAV7 (UniProt ID: Q8JQG0), AAV8 (UniProt ID: Q8JQF8), AAV9 (UniProt ID: AAS99264.1), AAVrh.10 (UniProt ID: AAO88201.1), AAVpo.1 (UniProt ID: ACN42940.1), AAV10 (UniProt ID: AAT46337.1), AAV11 (UniProt ID: AAT46339.1), AAV12 (UniProt ID: ABI16639.1) and AAV13 (UniProt ID: ABZ10812)

**Sequence Compilation:** The sequences of the capsid proteins of AAV1, AAV2, AAV3b, AAV4, AAV5, AAV6, AAV7, AAV8, AAV9, AAVrh.10, AAVpo.1, AAV10, AAV11, AAV12 and AAV13 were elongated with neutral GSGSGSG linkers at the N- and C-terminus to avoid truncated peptides. The elongated capsid protein sequences were converted into 5,534 different 13 amino acid peptides printed in duplicate (11,068 peptide spots) with a peptide-peptide overlap of 11 amino acids for high resolution epitope data. Cyclization method is N- to C-terminal thioether bridging.

**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® Linear Pan-AAV Capsid Protein Microarray contains a single peptide array and is compatible with a 3/1-well PEPperCHIP® Incubation Tray.

Each PEPperCHIP® Linear Pan-AAV Capsid Protein Microarray further contains additional HA (YPYDVPDYAG, 58 spots) and polio (KEVPALTAVETGAT, 38 spots) control peptides.

**Microarray Layout Files:** Excel: Peptide Map Conformational Pan-AAV Capsid Protein Microarray.xlsx

MAPIX / GenePix® Pro: Conformational Pan-AAV Capsid Protein  
Microarray.gal