PEPperCHIP® African Swine Fever Virus Microarray

Product: PEPperCHIP® Peptide Microarray

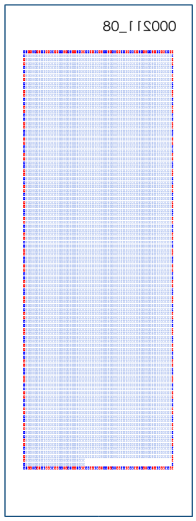
Organism: African swine fever virus

Microarray Content: Outer envelope, inner envelope, capsid, core shell and nucleoid proteins of the African swine fever virus (strain Badajoz 1971 Vero-adapted):

Protein Name	UniProt ID	Length
Attachment protein p12	H9EJW9	61 aa
Cd2-like protein	A0A0X9U8T8	240 aa
B646L	Q5IZK2	646 aa
E120R	A0A2X0THY1	122 aa
B438L	A0A2X0RVF1	438 aa
Envelope protein p54	B2MUM6	184 aa
D117L	A0A2X0TCB8	117 aa
Protein E248R	A0A2X0TKP6	248 aa
BA71V-CP2475L (P220)	A0A0C5AZH9	2474 aa
Polyprotein pp62	Q65179	530 aa
Cysteine protease S273R	A0A2X0TKM5	273 aa
BA71V-K78R (P10)	A0A0C5BC68	77 aa

Sequence Compilation: The sequences of the African swine fever virus proteins were elongated and linked by neutral GSGSGSG linkers to avoid truncated peptides. The elongated protein sequences were converted into 5,410 different 15 amino acid peptides with a peptide-peptide overlap of 14 amino acids printed in duplicate (10,820 peptide spots).

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® African Swine Fever Microarray contains a single peptide array and is compatible with a 3/1-well PEPperCHIP® Incubation Tray.

Each PEPperCHIP® African Swine Fever Microarray contains additional HA (YPYDVPDYAG, 116 spots) and c-Myc (EQKLISEEDL, 116 spots) control peptides.

Microarray Layout Files: Excel: Peptide Map African Swine Fever Microarray.xlsx

GenePix® Pro: African Swine Fever Microarray Microarray.gal

Lucerna-Chem AG
Abendweg 18
CH-6006 Luzern

Phone: +41 41 420 96 36
E-mail: info@lucerna-chem.ch
Web: www.lucerna-chem.ch