

Phage	Amino acid sequence of the insert									
1				C	P	<u>D</u>	<u>E</u>	K	H	Q
2				C	P	<u>D</u>	<u>E</u>	K	H	Q
3		<u>G</u>	L	P	P	R	<u>E</u>	<u>I</u>	<u>V</u>	D
4		K	A	C	P	<u>D</u>	<u>E</u>	K	H	S
5				<u>T</u>	R	N	T	R	T	
6	Q	E	S	Q	<u>E</u>	P	D	<u>I</u>	H	Y
7		<u>G</u>	L	P	P	R	<u>E</u>	<u>I</u>	<u>V</u>	D
8	I	<u>G</u>	L	E	M	V	F	Q	L	I
9	I	N	V	<u>T</u>	K	L	L	<u>I</u>	Q	I
10	Q	E	S	Q	<u>E</u>	P	D	<u>I</u>	H	Y
11			T	<u>T</u>	R	N	T	R	T	R
12	Q	R	N	K	A	A	H	S	<u>V</u>	N
Consensus		<u>G</u>	Y	<u>T</u>	<u>E</u>	<u>D</u>	<u>E</u>	<u>I</u>	<u>V</u>	
GapC	F	<u>G</u>	Y	<u>T</u>	<u>E</u>	<u>D</u>	<u>E</u>	<u>I</u>	<u>V</u>	S

S2 Table. Amino acid sequences of PhD-12 phage-displaying peptides from the strongly positive phage clones after bio-panning. Consensus amino acid motifs are shown in bold and underlined.