Table S1. Amino acid groups used for peptide library design.

Positive and Hydrophilic	Lysine, Arginine, Histidine
Negative and Hydrophilic	Aspartic acid, Glutamic acid
Polar hydrophilic	Serine, Threonine, Tyrosine, Asparagine, Glutamine
Hydrophobic	Valine, Leucine, Isoleucine, Methionine, Phenylalanine
Aliphatic/Small	Glycine, Alanine
Structural (hydrophobic)	Cysteine, Proline, Tryptophan