Stats

1. Threshold value for Hemolytic activity is between 0-1 and all AMPs were fall in this category.



1. MIC value for all the selected AMPs have been reported between 0.5-256



1. Highly soluble peptides help in purification processes and all AMPs are highly soluble



1. Standard value for peptide is <10KDa and all the peptides were fall at <5KDa



1. Optimum length of a peptide falls below <45



1. All peptides were cationic except one.



1. Distribution of Isoelectric point from experimentally verified dataset of AMPs



1. High Aliphatic index of Selected AMPs



1. Instability Index distribution of AMPs



1. The potential protein interaction index of AMPs and only one show higher Boman Index that does not fall in the category of potential proteins



1. Threshold value for very hydrophobic peptides according to Eisenberg scale is ≥ 0.68 and 4 peptides showed their very hydrophobic nature. The 1 peptide showed Transmembrane ability due to value close to Threshold value i.e. ± 0.42 and 23 were shown to moderately hydrophobic because of their predicted values close to ±1.10. Most of the AMPs showed hydrophobic and hydrophilic property.
2. Hydrophobic moment of AMPs showed higher Hydrophobic moment



1. All peptides have high Root Mean Square Fluctuation values



1. All peptides are flexible

