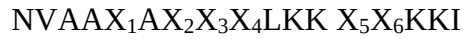


ANEXO 1

PÉPTIDOS CATIÓNICOS Y SUS ANÁLOGOS QUE EXHIBEN UN AMPLIO ESPECTRO DE ACTIVIDAD ANTIMICROBIANA Y ANTIPARASITARIA CON BAJA ACTIVIDAD HEMOLÍTICA



en donde:

X_1 es Treonina (T) o Triptófano (W);

X_2 es Arginina (R) o Lisina (K)

X_3 es Glicina (G), Fenilalanina (F) o Tirosina (Y)

X_4 es Triptófano (W) o Fenilalanina (F)

X_5 es Isoleucina (I), Lisina (K) o Triptófano (W), y

X_6 es Glicina (G) o Fenilalanina (F).

Tabla 1. Porcentaje de probabilidad de los péptidos.

N.º	Secuencia	% Probabilidad de ser péptido antimicrobiano Base de datos CAMP (SVM)
1	NVAATARGWLKKIGKKI	98.5%
2	NVAATARGWLKKIGKKI	99.1%
3	NVAATARGWLKKIFKKI	98.4%
4	NVAATARGWLKKKGKKI	99.1%
5	NVAATARGWLKKKFKKI	99.4%
6	NVAATARGWLKKWGKKI	99.6%
7	NVAATARGWLKKWFKKI	96.2%
8	NVAATARGFLKKIGKKI	97.8%
9	NVAATARGFLKKIFKKI	95.3%
10	NVAATARGFLKKKGKKI	97.6%
11	NVAATARGFLKKKFKKI	98.3%
12	NVAATARGFLKKWGKKI	98.9%
13	NVAATARGFLKKWFKKI	99.1%

14	NVAATARFWLKKIGKKI	99.3%
15	NVAATARFWLKKIFKKI	99.1%
16	NVAATARFWLKKKGKKI	99.4%
17	NVAATARFWLKKKFKKI	99.6%
18	NVAATARFWLKKWGKKI	99.7%
19	NVAATARFWLKKWFKKI	97.8%
20	NVAATARFFLKKIGKKI	98.4%
21	NVAATARFFLKKIFKKI	97.6%
22	NVAATARFFLKKKGKKI	98.4%
23	NVAATARFFLKKKFKKI	98.9%
24	NVAATARFFLKKWGKKI	99.1%
25	NVAATARFFLKKWFKKI	98.7%
26	NVAATARYWLKKIGKKI	98.9%
27	NVAATARYWLKKIFKKI	98.4%
28	NVAATARYWLKKKGKKI	98.8%
29	NVAATARYWLKKKFKKI	99.4%
30	NVAATARYWLKKWGKKI	99.5%
31	NVAATARYWLKKWFKKI	96.2%
32	NVAATARYFLKKIGKKI	96.9%
33	NVAATARYFLKKIFKKI	95.2%
34	NVAATARYFLKKKGKKI	96.6%
35	NVAATARYFLKKKFKKI	98.1%
36	NVAATARYFLKKWGKKI	98.2%
37	NVAATARYFLKKWFKKI	99.4%
38	NVAATAKGWLKKIGKKI	99.7%
39	NVAATAKGWLKKIFKKI	99.5%
40	NVAATAKGWLKKKGKKI	99.7%
41	NVAATAKGWLKKKFKKI	99.8%
42	NVAATAKGWLKKWGKKI	99.9%

43	NVAATAKGWLKKWFKKI	98.5%
44	NVAATAKGFLKKIGKKI	99.2%
45	NVAATAKGFLKKIFKKI	98.4%
46	NVAATAKGFLKKKGKKI	99.2%
47	NVAATAKGFLKKKFKKI	99.4%
48	NVAATAKGFLKKWGKKI	99.6%
49	NVAATAKGFLKKWFKKI	99.7%
50	NVAATAKFWLKKIGKKI	99.7%
51	NVAATAKFWLKKIFKKI	99.7%
52	NVAATAKFWLKKKGKKI	99.8%
53	NVAATAKFWLKKKFKKI	99.9%
54	NVAATAKFWLKKWGKKI	99.9%
55	NVAATAKFWLKKWFKKI	99.2%
56	NVAATAKFFLKKIGKKI	99.4%
57	NVAATAKFFLKKIFKKI	99.2%
58	NVAATAKFFLKKKGKKI	99.5%
59	NVAATAKFFLKKKFKKI	99.6%
60	NVAATAKFFLKKWGKKI	99.7%
61	NVAATAKFFLKKWFKKI	99.5%
62	NVAATAKYWLKKIGKKI	99.6%
63	NVAATAKYWLKKIFKKI	99.5%
64	NVAATAKYWLKKKGKKI	99.6%
65	NVAATAKYWLKKKFKKI	99.8%
66	NVAATAKYWLKKWGKKI	99.8%
67	NVAATAKYWLKKWFKKI	98.5%
68	NVAATAKYFLKKIGKKI	98.9%
69	NVAATAKYFLKKIFKKI	98.4%
70	NVAATAKYFLKKKGKKI	98.9%
71	NVAATAKYFLKKKFKKI	99.3%

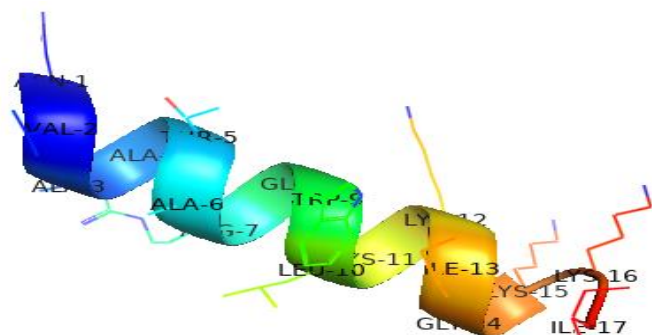
72	NVAATAKYFLKKWGKKI	99.4%
73	NVAATAKYFLKKWFKKI	99.3%
74	NVAAWARGWLKKIGKKI	99.5%
75	NVAAWARGWLKKIFKKI	99.5%
76	NVAAWARGWLKKKGKKI	99.6%
77	NVAAWARGWLKKKFKKI	99.8%
78	NVAAWARGWLKKWGKKI	99.8%
79	NVAAWARGWLKKWFKKI	98.0%
80	NVAAWARGFLKKIGKKI	98.5%
81	NVAAWARGFLKKIFKKI	98.2%
82	NVAAWARGFLKKKGKKI	98.8%
83	NVAAWARGFLKKKFKKI	99.2%
84	NVAAWARGFLKKWGKKI	99.3%
85	NVAAWARGFLKKWFKKI	99.5%
86	NVAAWARFWLKKIGKKI	99.5%
87	NVAAWARFWLKKIFKKI	99.6%
88	NVAAWARFWLKKKGKKI	99.75%
89	NVAAWARFWLKKKFKKI	99.8%
90	NVAAWARFWLKKWGKKI	99.8%
91	NVAAWARFWLKKWFKKI	98.5%
92	NVAAWARFFLKKIGKKI	98.6%
93	NVAAWARFFLKKIFKKI	98.8%
94	NVAAWARFFLKKKGKKI	99.0%
95	NVAAWARFFLKKKFKKI	99.3%
96	NVAAWARFFLKKWGKKI	99.3%
97	NVAAWARFFLKKWFKKI	99.8%
98	NVAAWARYWLKKIGKKI	99.8%
99	NVAAWARYWLKKIFKKI	99.8%
100	NVAAWARYWLKKKGKKI	99.8%

101	NVAAWARYWLKKKFKKI	99.9%
102	NVAAWARYWLKKWGKKI	99.9%
103	NVAAWARYWLKKWFKKI	99.3%
104	NVAAWARYFLKKIGKKI	99.3%
105	NVAAWARYFLKKIFKKI	99.4%
106	NVAAWARYFLKKKGKKI	99.4%
107	NVAAWARYFLKKKFKKI	99.6%
108	NVAAWARYFLKKWGKKI	99.6%
109	NVAAWARYFLKKWFKKI	99.7%
110	NVAAWAKGWLKKIGKKI	99.8%
111	NVAAWAKGWLKKIFKKI	99.8%
112	NVAAWAKGWLKKKGKKI	99.9%
113	NVAAWAKGWLKKKFKKI	99.9%
114	NVAAWAKGWLKKWGKKI	99.9%
115	NVAAWAKGWLKKWFKKI	99.1%
116	NVAAWAKGFLKKIGKKI	99.3%
117	NVAAWAKGFLKKIFKKI	99.3%
118	NVAAWAKGFLKKKGKKI	99.6%
119	NVAAWAKGFLKKKFKKI	99.6%
120	NVAAWAKGFLKKWGKKI	99.7%
121	NVAAWAKGFLKKWFKKI	99.8%
122	NVAAWAKFWLKKIGKKI	99.8%
123	NVAAWAKFWLKKIFKKI	99.9%
124	NVAAWAKFWLKKKGKKI	99.9%
125	NVAAWAKFWLKKKFKKI	99.9%
126	NVAAWAKFWLKKWGKKI	99.9%
127	NVAAWAKFWLKKWFKKI	99.3%
128	NVAAWAKFFLKKIGKKI	99.4%
129	NVAAWAKFFLKKIFKKI	99.6%

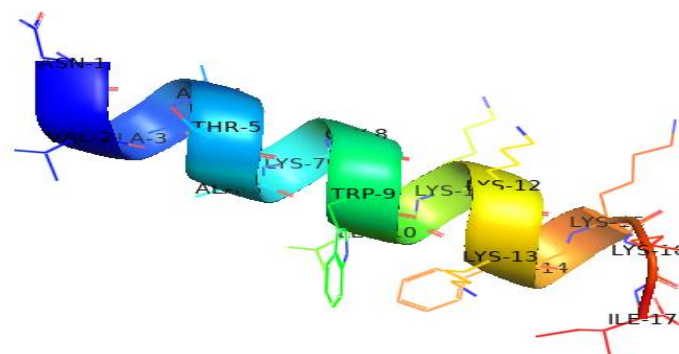
130	NVAAWAKFFLKKKGKKI	99.7%
131	NVAAWAKFFLKKKFKKI	99.7%
132	NVAAWAKFFLKKWGKKI	99.7%
133	NVAAWAKFFLKKWFKKI	99.9%
134	NVAAWAKYWLKKIGKKI	99.9%
135	NVAAWAKYWLKKIFKKI	99.9%
136	NVAAWAKYWLKKKGKKI	99.9%
137	NVAAWAKYWLKKKFKKI	100.0%
138	NVAAWAKYWLKKWGKKI	100.0%
139	NVAAWAKYWLKKWFKKI	99.7%
140	NVAAWAKYFLKKIGKKI	99.7%
141	NVAAWAKYFLKKIFKKI	99.8%
142	NVAAWAKYFLKKKGKKI	99.8%
143	NVAAWAKYFLKKKFKKI	99.8%
144	NVAAWAKYFLKKWGKKI	99.8%

ESTRUCTURA SECUNDARIA: Software PEP-FOLD 3.5

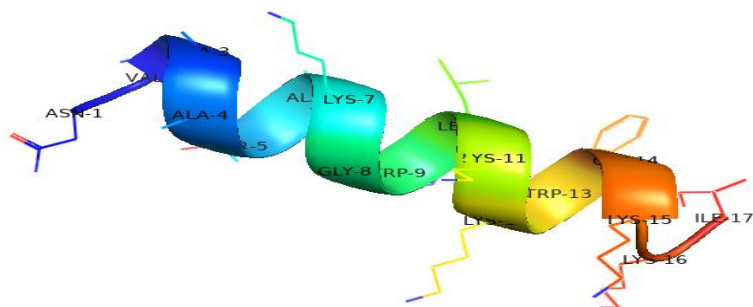
1- NVAATARGWLKKIGKKI



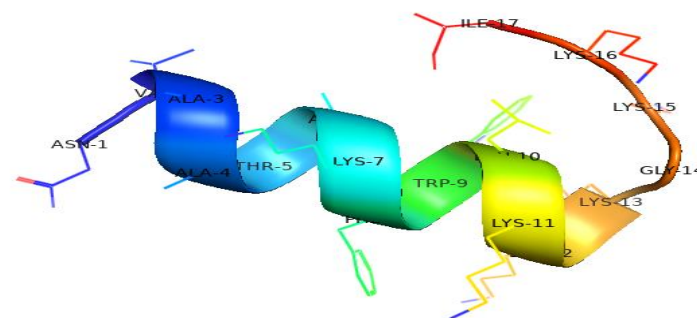
41- NVAATAKGWLKKKFKKI



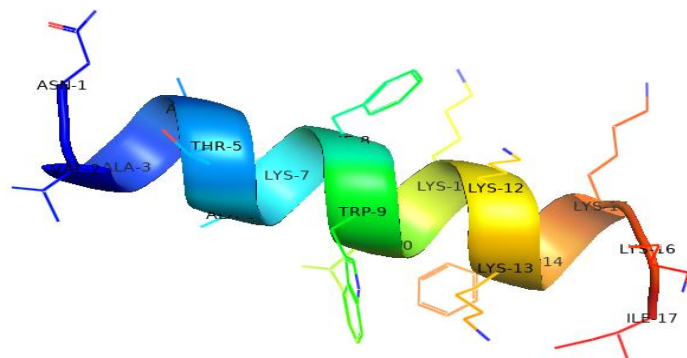
42- NVAATAKGWLKKWGKKI



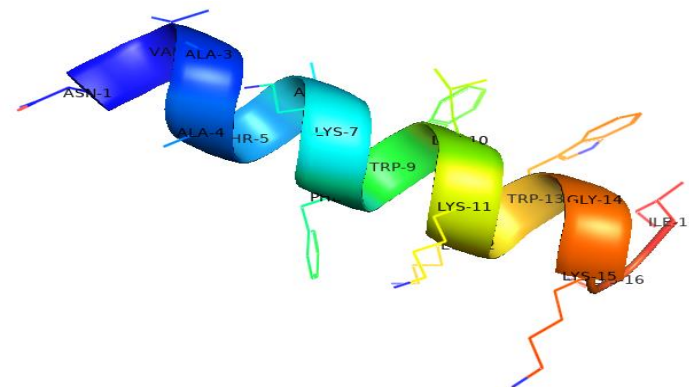
52- NVAATAKFWLKKKGKKI



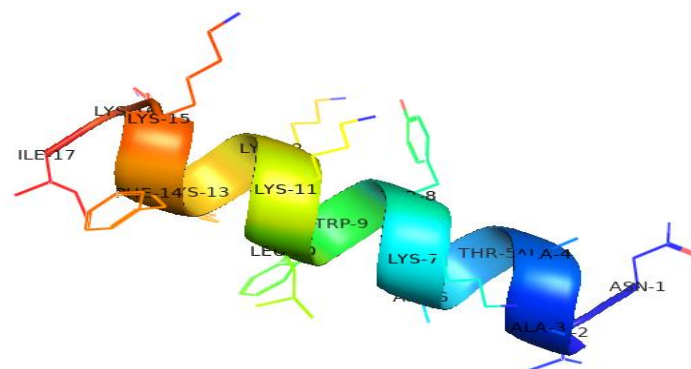
53- NVAATAKFWLKKKFKKI



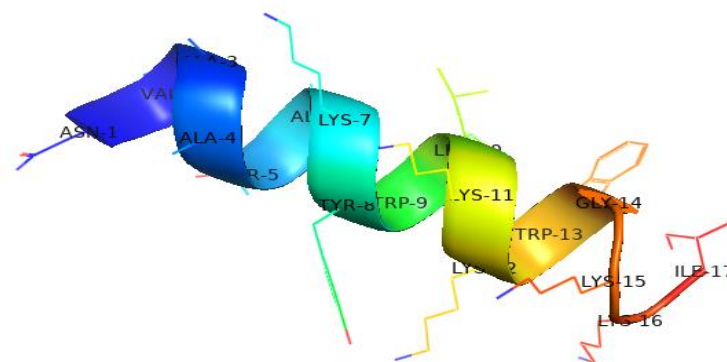
54- NVAATAKFWLKKWGKKI



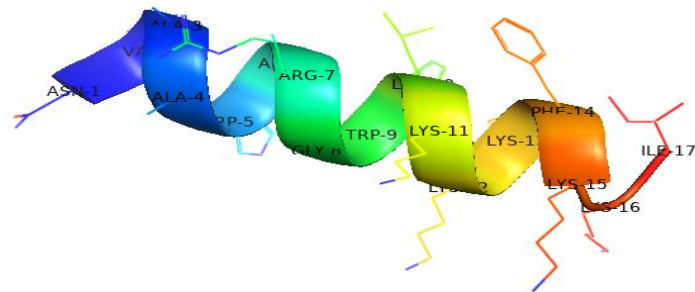
65- NVAATAKYWLKKKFKKI



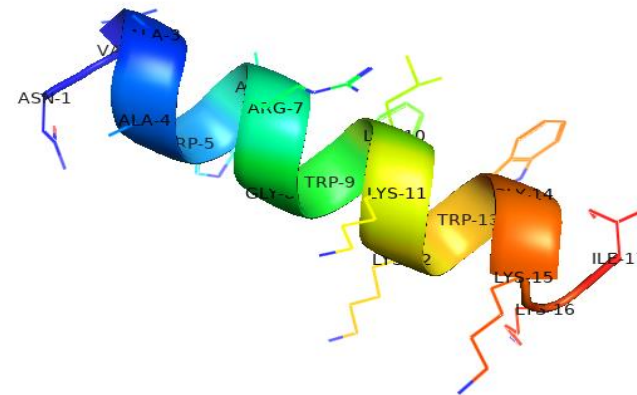
66- NVAATAKYWLKKWGKKI



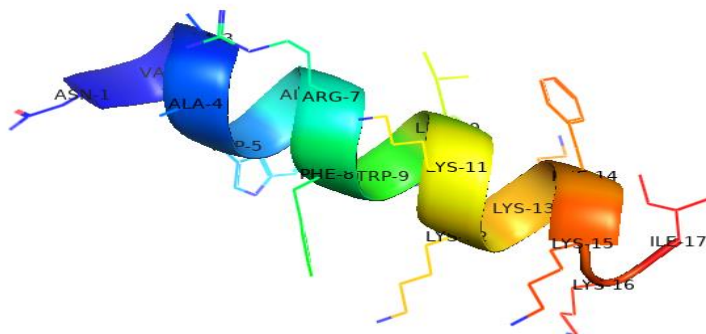
77- NVAAWARGWLKKKFKKI



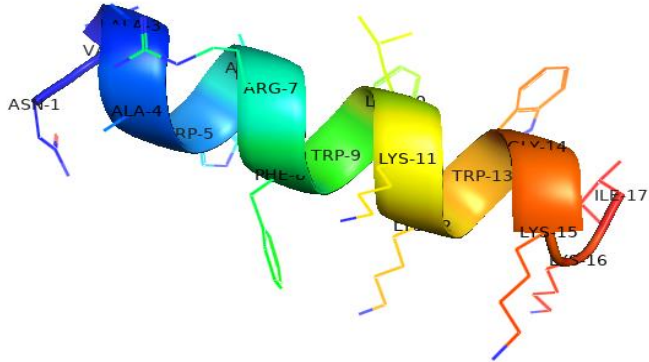
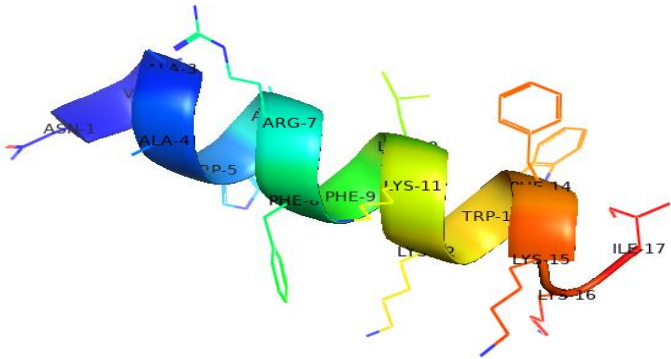
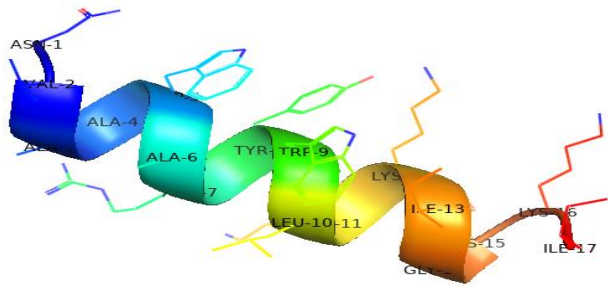
78- NVAAWARGWLKKWGKKI

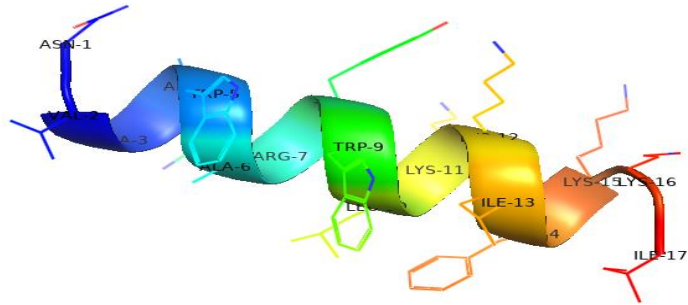


89- NVAAWARFWLKKKFKKI

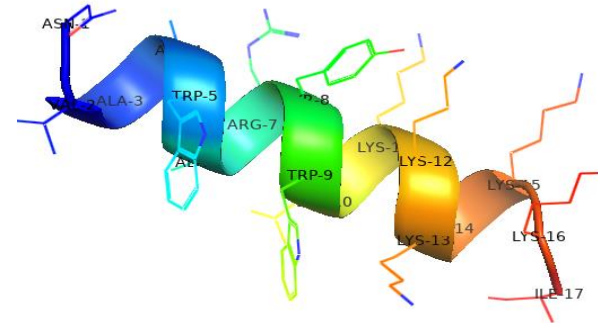
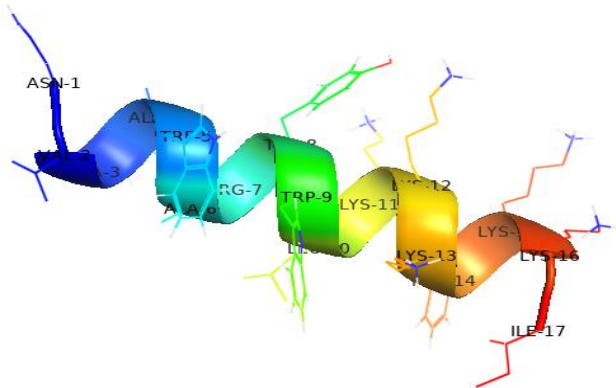


90- NVAAWARFWLKKWGKKI

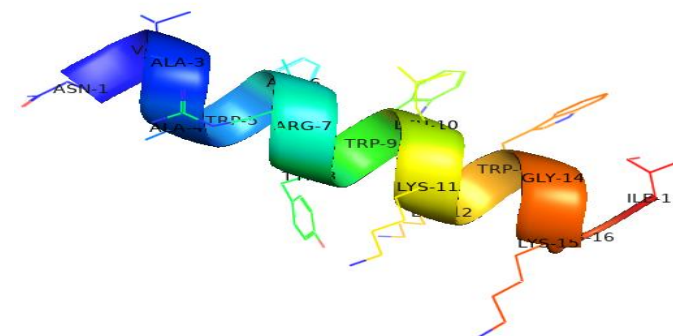
	
97- NVAAWARFFLKKWFKKI 	98- NVAAWARYWLKKIGKKI 
99- NVAAWARYWLKKIFKKI	100- NVAAWARYWLKKKGKKI



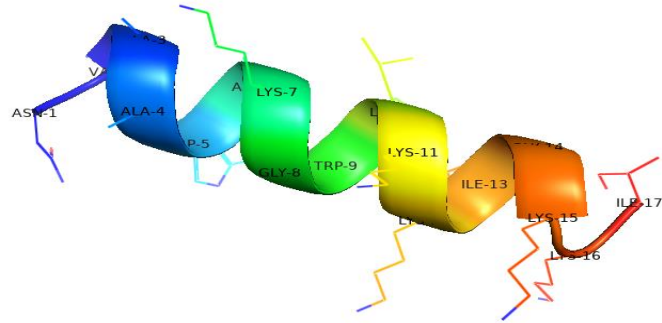
101- NVAAWARYWLKKFKKI



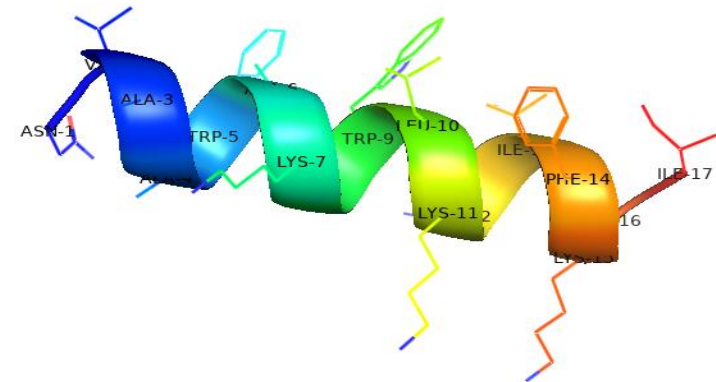
102- NVAAWARYWLKKWGKKI



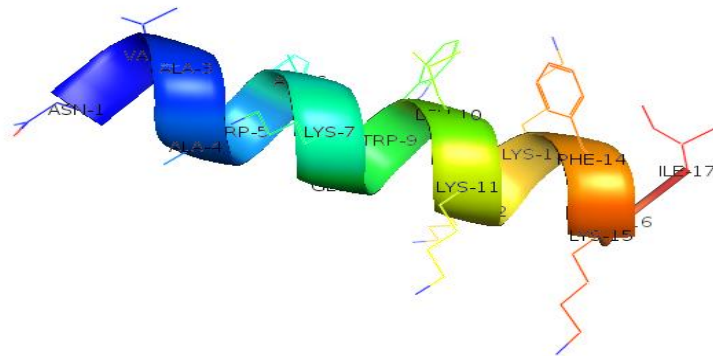
110- NVAAWAKGWLKKIGKKI



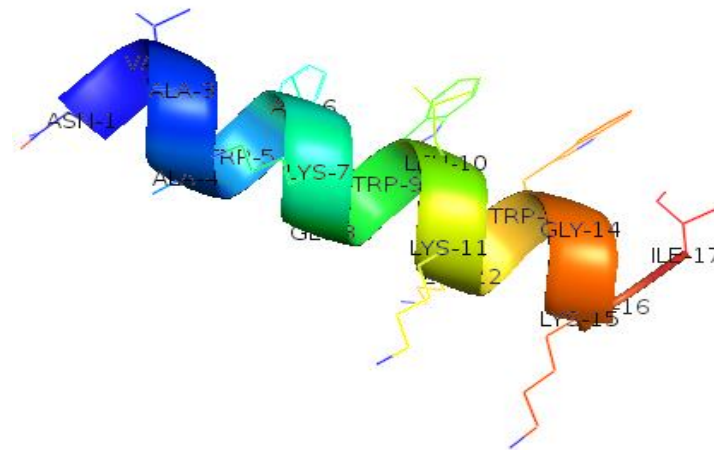
111- NVAAWAKGWLKKIFKKI



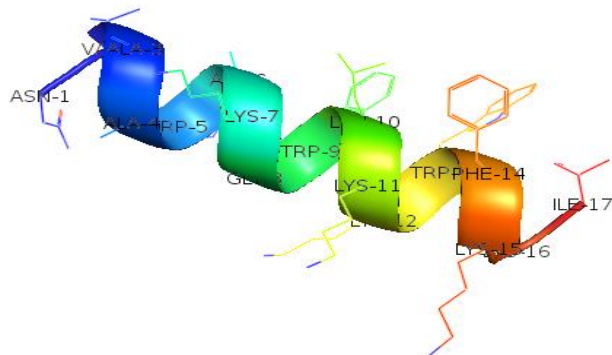
112 - NVAAWAKGWLKKKGKKI



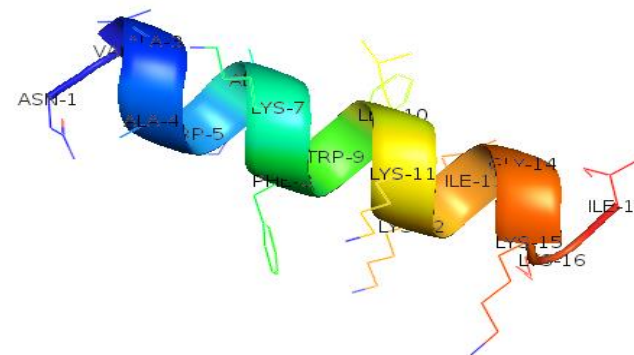
113 - NVAAWAKGWLKKKFKKI



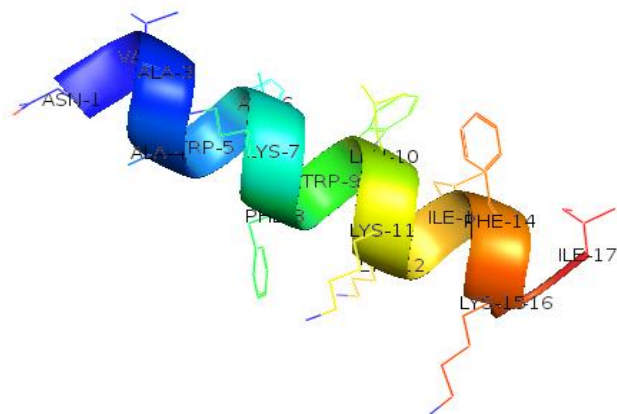
114 - NVAAWAKGWLKKWGKKI



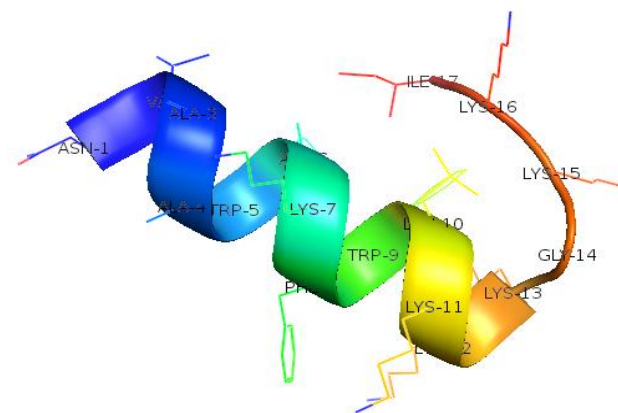
121 - NVAAWAKGFLKKWFKKI



122 - NVAAWAKFWLKKIGKKI

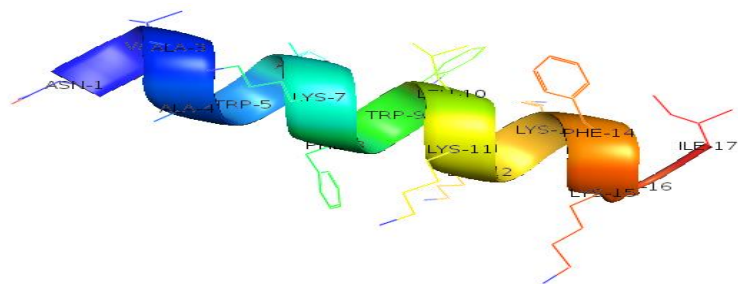


123 - NVAAWAKFWLKKIFKKI

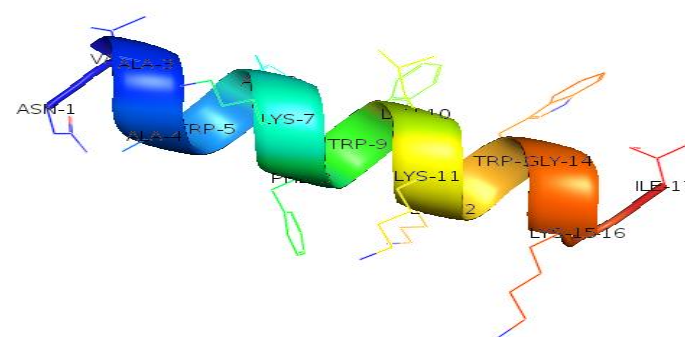


124 - NVAAWAKFWLKKKGKKI

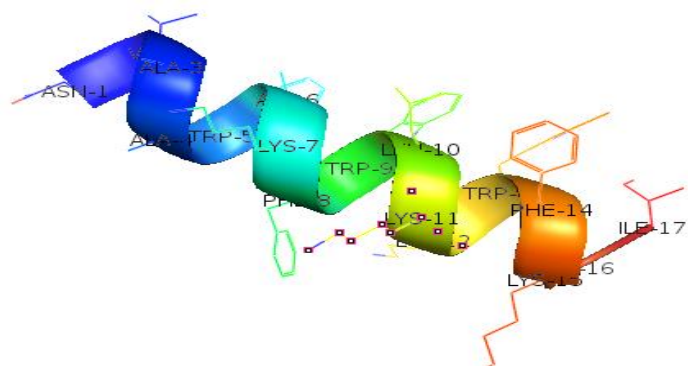
125 - NVAAWAKFWLKKKFKKI



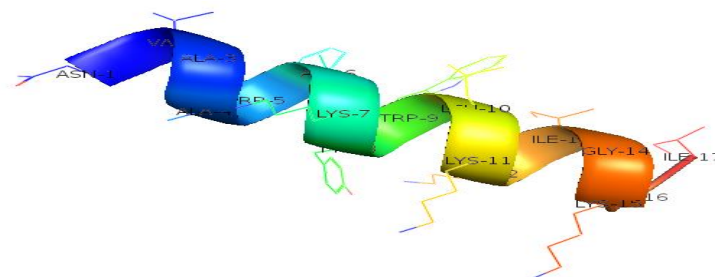
126 - NVAAWAKFWLKKWGKKI



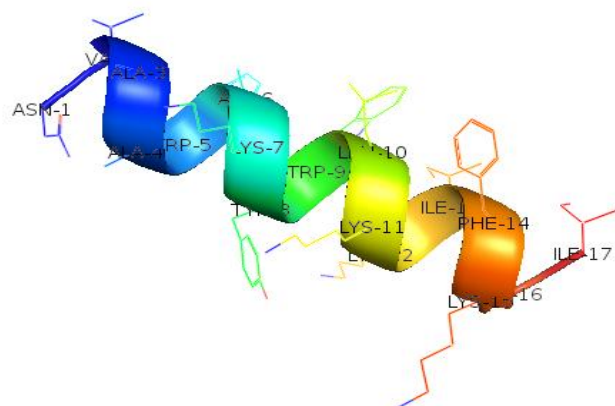
133 - NVAAWAKFFLKKWFKKI



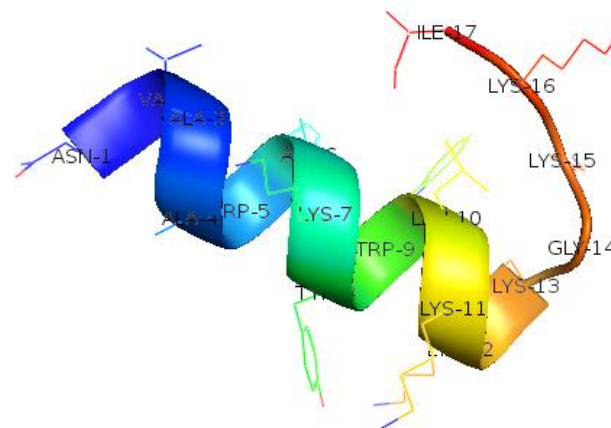
134 - NVAAWAKYWLKKIGKKI



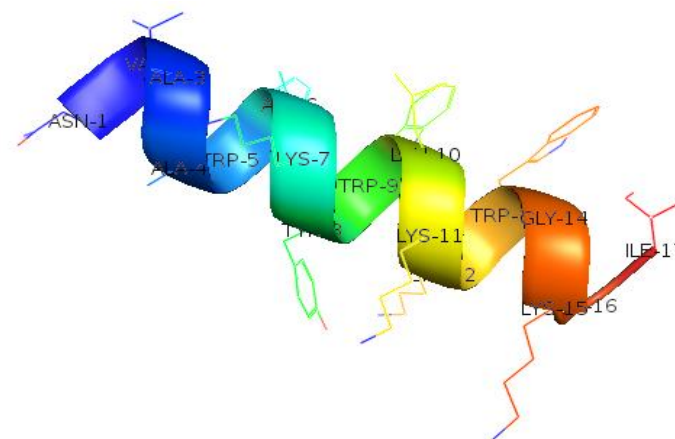
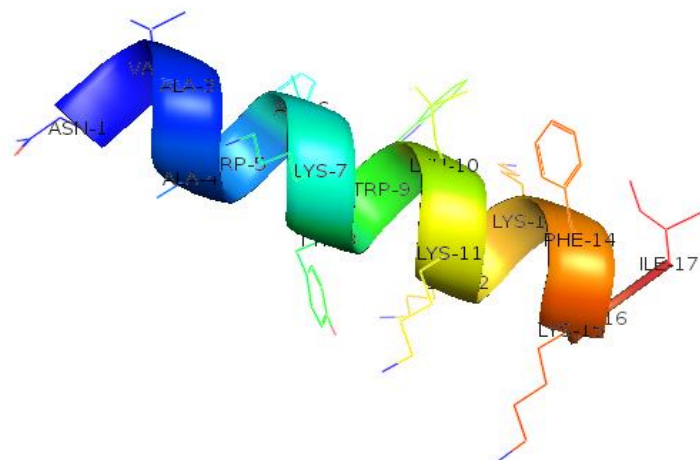
135 - NVAAWAKYWLKKIFKKI



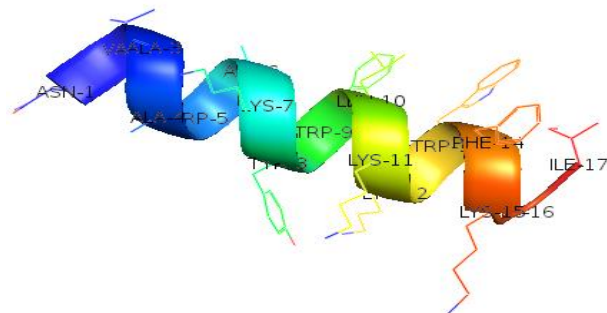
136 - NVAAWAKYW LKKKGKKI



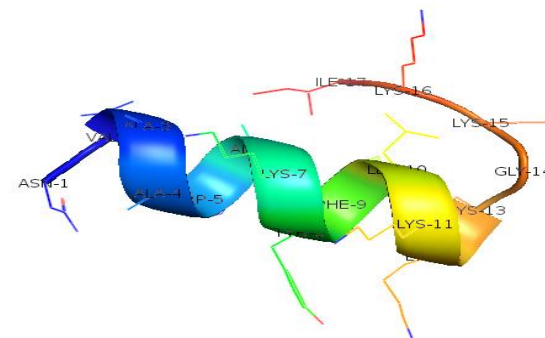
137 - NVAAWAKYW LKKKFKKI



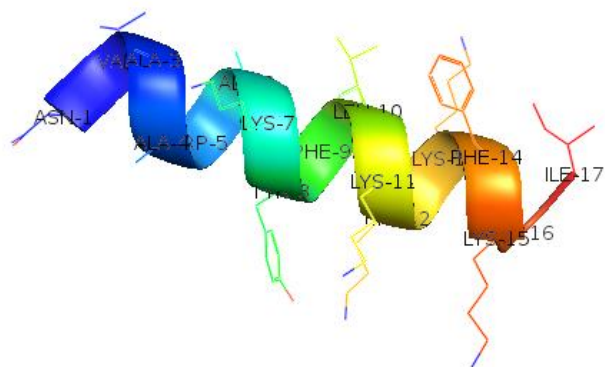
138 - NVAAWAKYWLKKWGKKI



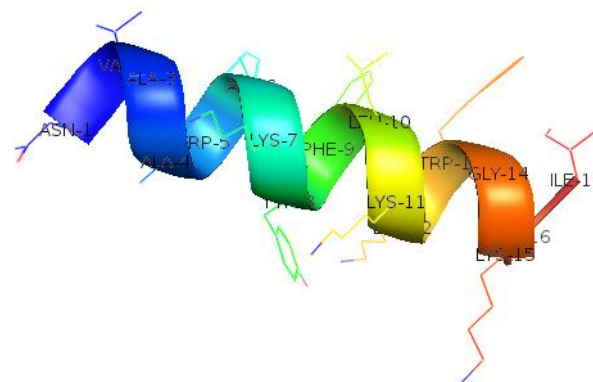
141 - NVAAWAKYFLKKIFKKI



142 - NVAAWAKYFLKKKGKKI



143 - NVAAWAKYFLKKKFKKI



144 - NVAAWAKYFLKKWGKKI

