

Amino acid sequences and properties of CPPs. ^aC: cationic, A: amphipathic, H: hydrophobic.

Peptide No.	CPP	Amino acid sequence	Number of amino acids	CPP type ^a	Net charge at pH7	Reference
1	BP100	KKLFKKILKYL	11	A	5	20
2	2BP100	KKLFKKILKYLKKLFKKILKYL	22	C	10	17
3	Rev(34–50)	TRQARRNRRRRWRERQR	17	C	9	47
4	R9	RRRRRRRRR	9	C	9	48
5	D-R9	rrrrrrrr (D form)	9	C	9	49
6	R12	RRRRRRRRRRR	12	C	12	this study
7	KH9	KHKHKHKHKHKHKHKHKH	18	C	9.9	50
8	K9	KKKKKKKKK	9	C	9	this study
9	K18	KKKKKKKKKKKKKKKKK	18	C	18	this study
10	Pen2W2F	RQIKIFQNRMRKFKK	16	C	7	51
11	DPV3	RKKRRRESRKKRRRES	16	C	10	52
12	6-Oct	GKRKKKT	8	C	6	53
13	R9-TAT	GRRRRRRRRRPPQ	13	C	9	47
14	Tat(49–57)	RKKRRQRRR	9	C	8	49
15	Retro - Tat(57–49)	RRRQRKKR	9	C	8	49
16	Sc18	GLRKRLRKFRNKIKEK	16	A	8	54
17	KLA10	KALKLLAKWLAALKALL	18	A	5	55
18	IX	QLALQLALQALQAALQLA	18	H	0	55
19	XI	LKTLATALTKLAKTLTTL	18	H	3	55
20	No. 14–12	RAWMRWYSPTRRYG	15	A	4	56
21	pVEC	LLIILRRRIRKQAHAAHSK	18	A	6.2	57
22	PenArg	RQIRIWFQNRMRWRR	16	A	7	51
23	M918	MVTVLFRRRLRIRACGPPRVRV	22	A	6.9	58
24	Penetratin	RQIKIWFQNRMRKWKK	16	A	7	59
25	PolyP 3 (SAP)	VRLPPPVRLLPPPVRLLPPP	18	H	3	60
26	dhvar5	LLLFLKKRKRKY	14	A	7	61
27	HPV33L2-445/467	SYFILRRRRKRFYFFTDVRVAA	23	A	6	62
28	buforin II (5–21)	RAGLQFPVGRVHRLLRK	17	A	5.1	63
29	scrambled pVEC	IAARIKLRSRQHIKLRHL	18	A	6.2	64
30	HPV33L2-DD447	SYDDLRRRRKRFYFFTDVRVAA	23	A	4	62
31	LAH4	KKALLALHHLAHLALHLALAKKA	26	H	4.4	65
32	ppTG1	GLFKALLKLLKSLWKLLKA	20	A	5	66
33	Transportan (TP)	GWTLNSAGYLLGKINLKALAALAKKIL	27	H	4	67
34	2 × ppTG1	GLFKALLKLLKSLWKLLKAGLKFALLKLLKSLWKLLKA	40	A	10	15
35	pAntpHD(Pro50)	RQIKIWFQNRMRKWKK	16	A	7	68
36	pAntp(44–58)	QIKIWFQNRMRKWKK	15	A	6	69
37	Crot(27–39)	KMDCRWRWKCKCK	13	A	4.8	70
38	Crot(27–39) derivative (1)	MDCRWRWKCKCK	12	A	3.8	70
39	Crot(27–39) derivative (2)	KCGCRWRWKCGCKK	14	A	5.7	70
40	CyLoP-1	CRWRWKCKCK	10	A	4.8	70
41	Inv3	TKRRITPKDVIDVRSVTTEINT	22	H	2	71
42	Inv5	AEKVDPVKLNLTLSAAAEALTGLGDK	26	H	-1	72
43	Inv3.5	TKRRITPKDVIDVRSVTTKINT	22	H	4	72
44	Inv3.10	HHHHHTKRRITPKDVIDVRSVTTEINT	28	H	2.6	72
45	ARF(1–22)	MVRRFLVTLRIRACGPPRVRV	22	A	6.9	73
46	Cyt C 77–101	GTKMIFVGIKKKEERADLIAYLKKA	25	A	4	74
47	hLF peptide	KCFQWQRNMRKVRGPPVSCIQR	22	A	6.9	48
48	Glu-Oct-6	EEEEAGRKRKRT	13	A	3	75
49	M511	FLGKKFKKYFLQLLK	15	A	5	76
50	G53-4	FLIFIRVICIVIAKLANLMCKT	23	H	3.9	76
51	M591	YIVLRRRRKRVNTRKRS	16	A	8	76
52	E162	KTVLLRKLKLLVRKI	16	A	6	76
53	E165	LLKRRKVVRLIKFLK	16	A	7	76
54	M867	KKICTRKPREFMSAWAQ	16	A	4.9	76
55	MG2d	GIGKFLHSAKKWGKAFVQGIMNC	23	H	4	77