

a.

Protein Sequence

R1	10	20	30	40	50
	PNFSGNWKII	RSENFEELLK	VLGVNVMLRK	I ^Y AVAAASKYA	VEIKQEGDTF
R2	10	20	30	40	50
	PNFSGNWKII	RSENFEELLK	VLGVNVMLRK	I ^W VAAASKYA	VEIKQEGDTF
R1	60	70	80	90	100
	YIKVSTTVYT	TEINFKVGEE	FEEQTVDGRP	CKSLVKWESE	NKMVCEQKLL
R2	60	70	80	90	100
	YIKVSTTVYT	TEINFKVGEE	FEEQTVDGRP	CKSLVKWESE	NKMVCEQKLL
R1	110	120	130	137	
	KGEGPKTSWT	KELTNDGELI	LTMTADDVVC	TQVFVRE	
R2	110	120	130	137	
	KGEGPKTSWT	KELTNDGELI	LTMTADDVVC	TQVFVRE	

b.

