

46 data points from 205 to 250 nm

```

-----
Molecular weight      g/mol      :    26698.00
Sample concentration  mg/cm3     :    .500000
Sample concentration  g/cm3     :    .00050000
Sample concentration  mol/cm3    :    .00000002
Cell path             mm        :    .500000
Cell path             cm        :    .050000
Number of residues    :    269.000000
Conversion factor [cm2/dmole] : 106792000.00
-----

```

```

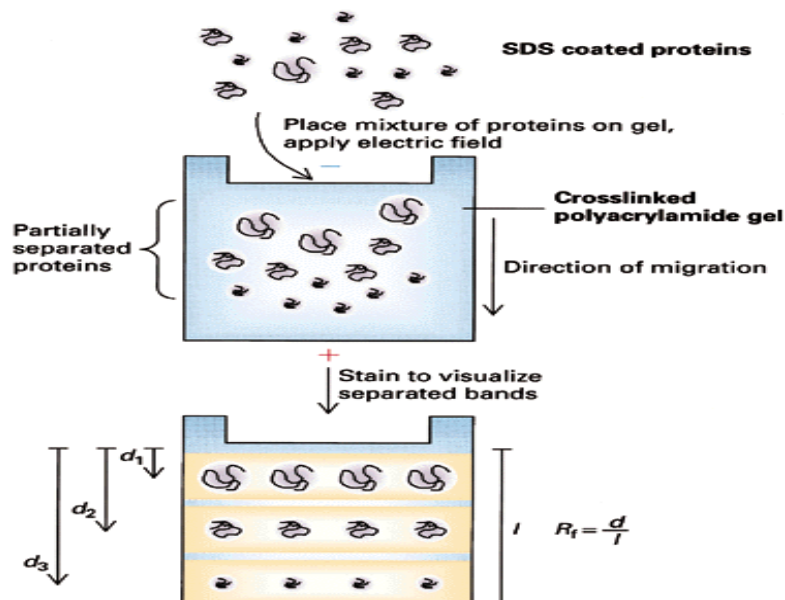
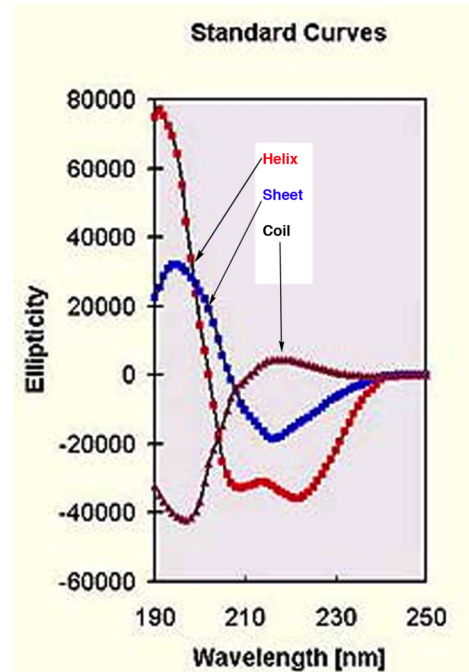
Zero shift applied :    2.
Least squares percentage(s) and scale factor
    57.92    26.22    15.85    .77
-----

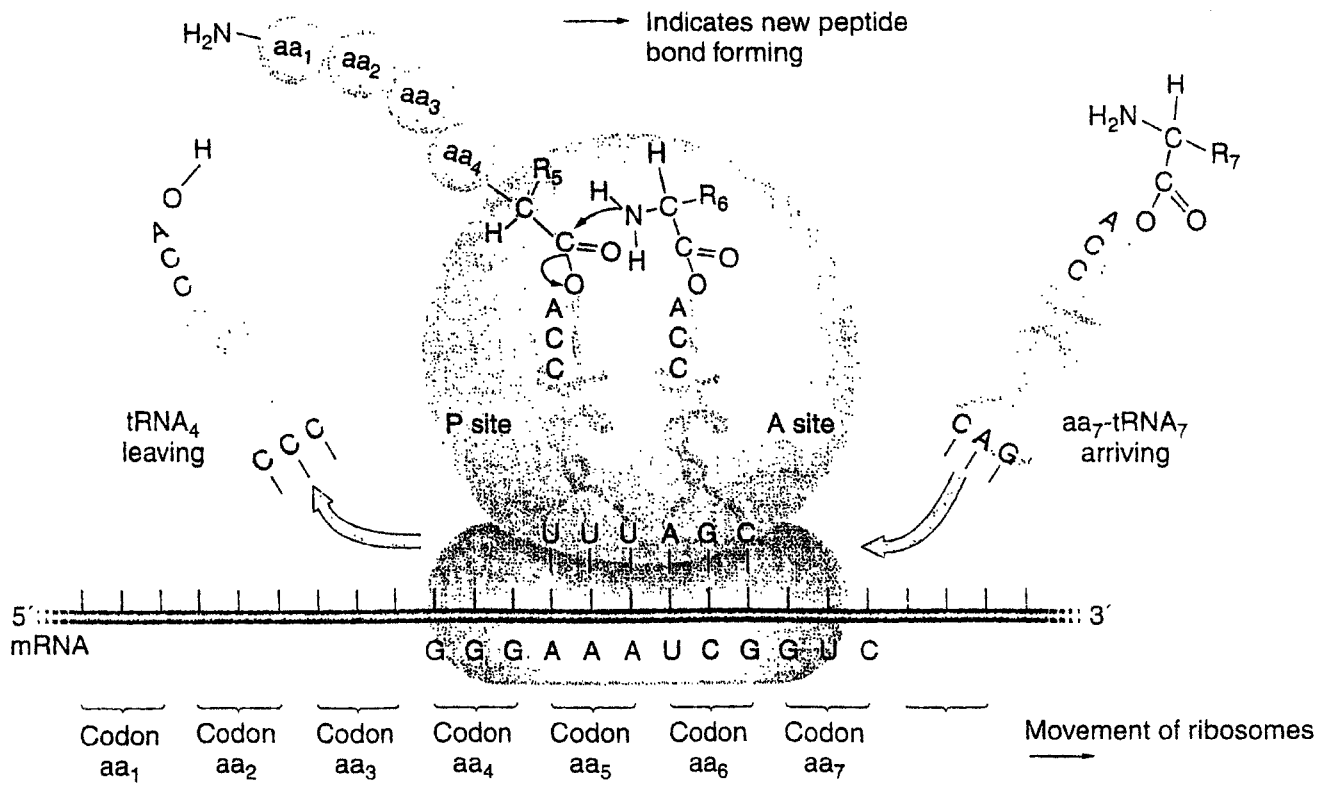
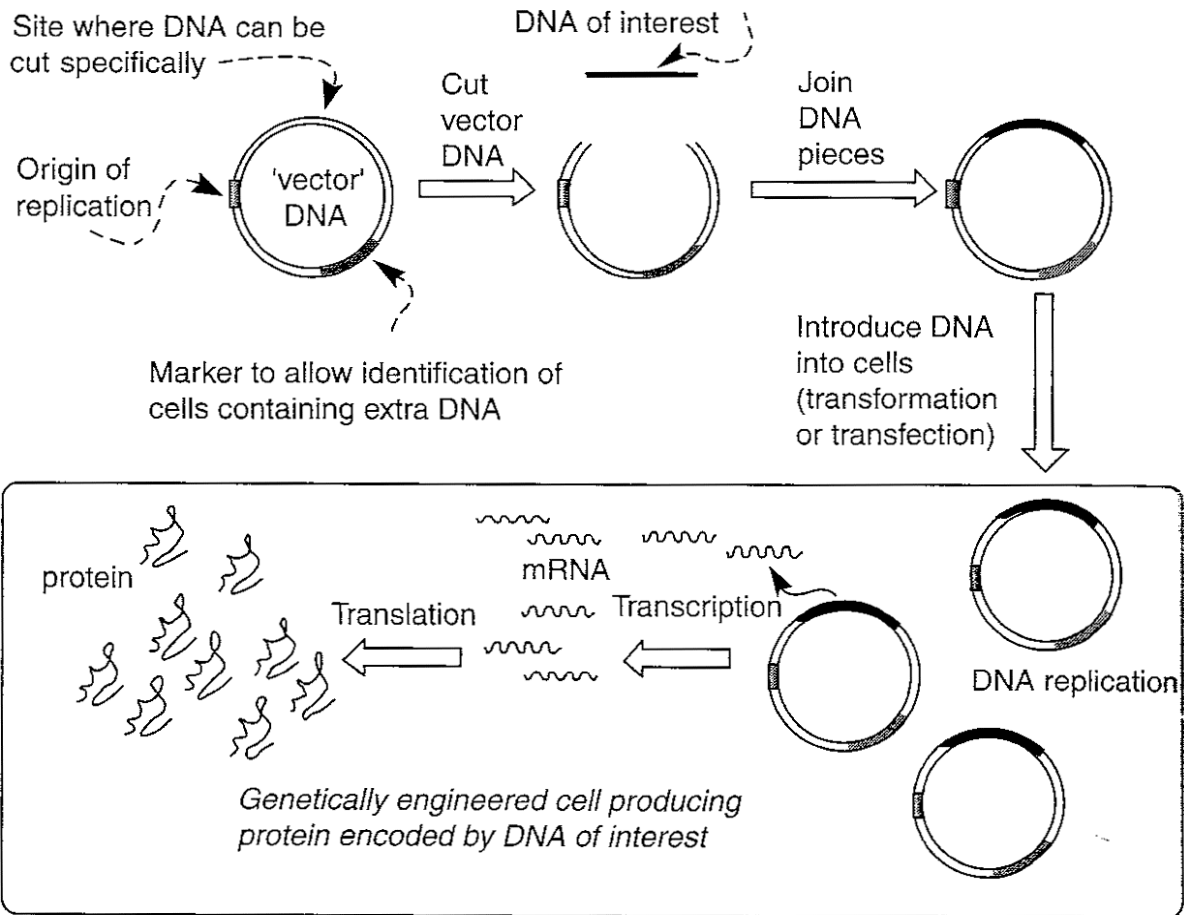
```

```

rmsd    helix    sheet    coil    scale
68.08   44.58   20.18   12.20   .77
Rfac   %  helix    sheet    coil
3.15   %  57.92   26.22   15.85
-----

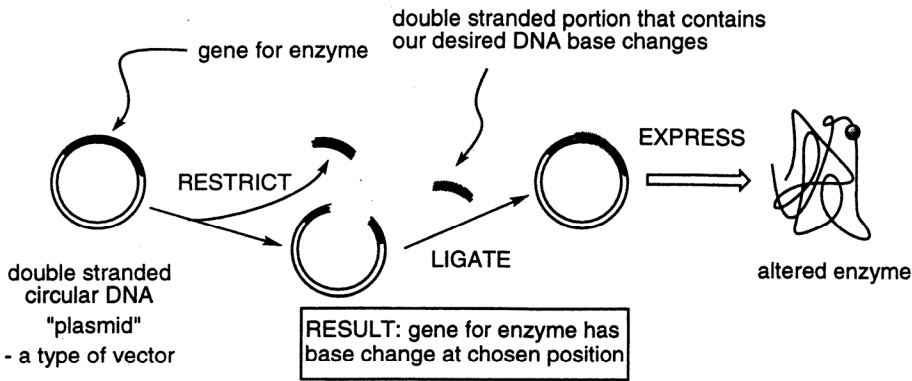
```



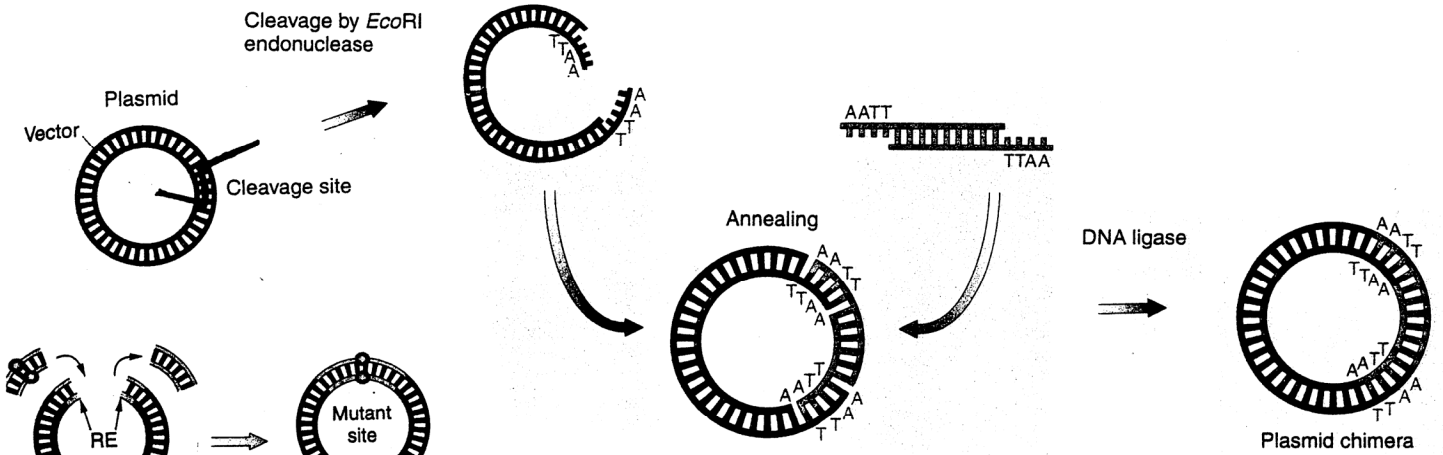


.....|UUU|UUA|GGG|AAA|UUC|GIGUC| →|UUU|UUA|GGG|AAA|UGC|GUC|
 Phe Leu Gly Lys Ser Val → Phe Leu Gly Lys Cys Val

Site-Directed Mutagenesis



		Second letter			
		U	C	A	G
First letter	U	UUU } Phe UUC } UUA } Leu UUG }	UCU } Ser UCC } UCA } UCG }	UAU } Tyr UAC } UAA } Stop UAG } Stop	UGU } Cys UGC } UGA } Stop UGG } Trp
	C	CUU } Leu CUC } CUA } CUG }	CCU } Pro CCC } CCA } CCG }	CAU } His CAC } CAA } Gln CAG }	CGU } Arg CGC } CGA } CGG }
	A	AUU } Ile AUC } AUA } AUG } Met	ACU } Thr ACC } ACA } ACG }	AAU } Asn AAC } AAA } Lys AAG }	AGU } Ser AGC } AGA } Arg AGG }
	G	GUU } Val GUC } GUA } GUG }	GCU } Ala GCC } GCA } GCG }	GAU } Asp GAC } GAA } Glu GAG }	GGU } Gly GGC } GGA } GGG }



Enzyme	Source organism	Restriction site in double-stranded DNA
<i>EcoRI</i>	<i>Escherichia coli</i>	5' -G-A-A-T-T-C- -C-T-T-A-A-G- 5' m ↑
<i>EcoRII</i>	<i>E. coli</i>	5' -G-C-C-T-G-G-C- -C-G-G-A-C-C-G- 5' m ↑
<i>HindIII</i>	<i>Haemophilus influenzae</i>	5' -G-T-Py-Pu-A-C- -C-A-Pu-Py-T-G- 5' m ↑
<i>HindIII</i>	<i>H. influenzae</i>	5' -A-A-G-C-T-T- -T-T-C-G-A-A- 5' m ↓
<i>HaeIII</i>	<i>H. aegyptius</i>	5' -G-G-C-C- -C-C-G-G- 5' ↑
<i>HpaII</i>	<i>H. parainfluenzae</i>	5' -C-C-G-G- -G-G-C-C- 5' ↑
<i>PstI</i>	<i>Providencia stuartii</i>	5' -C-T-G-C-A-G- -G-A-C-G-T-C- 5' ↑
<i>SmaI</i>	<i>Serratia marcescens</i>	5' -C-C-C-G-G-G- -G-G-G-C-C-C- 5' ↑
<i>BamI</i>	<i>Bacillus amyloliquefaciens</i>	5' -G-G-A-T-C-C- -C-C-T-A-G-G- 5' ↑

