

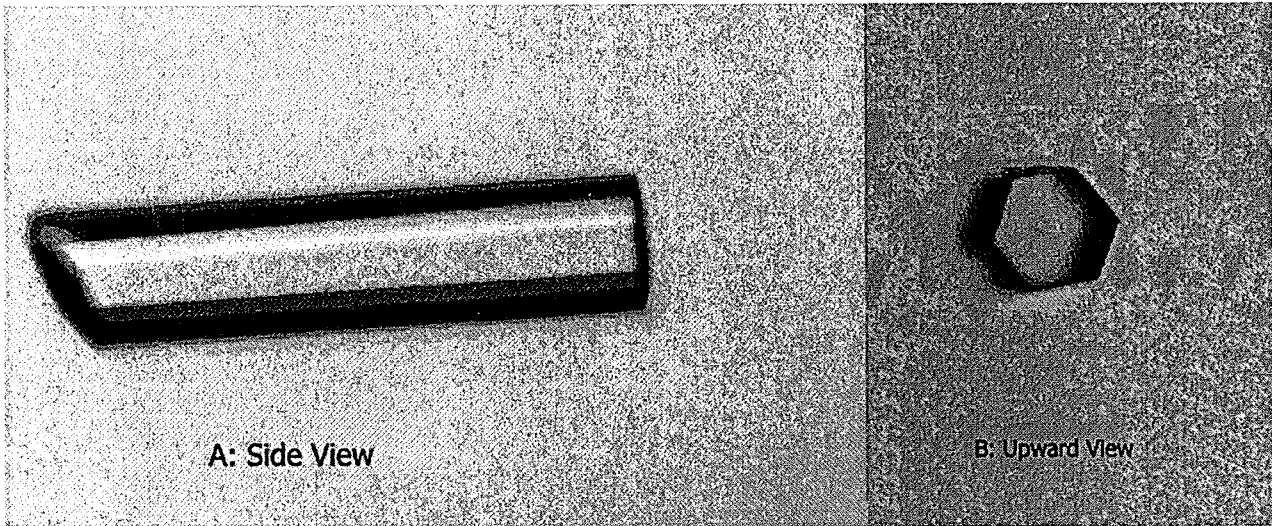


Figure 1

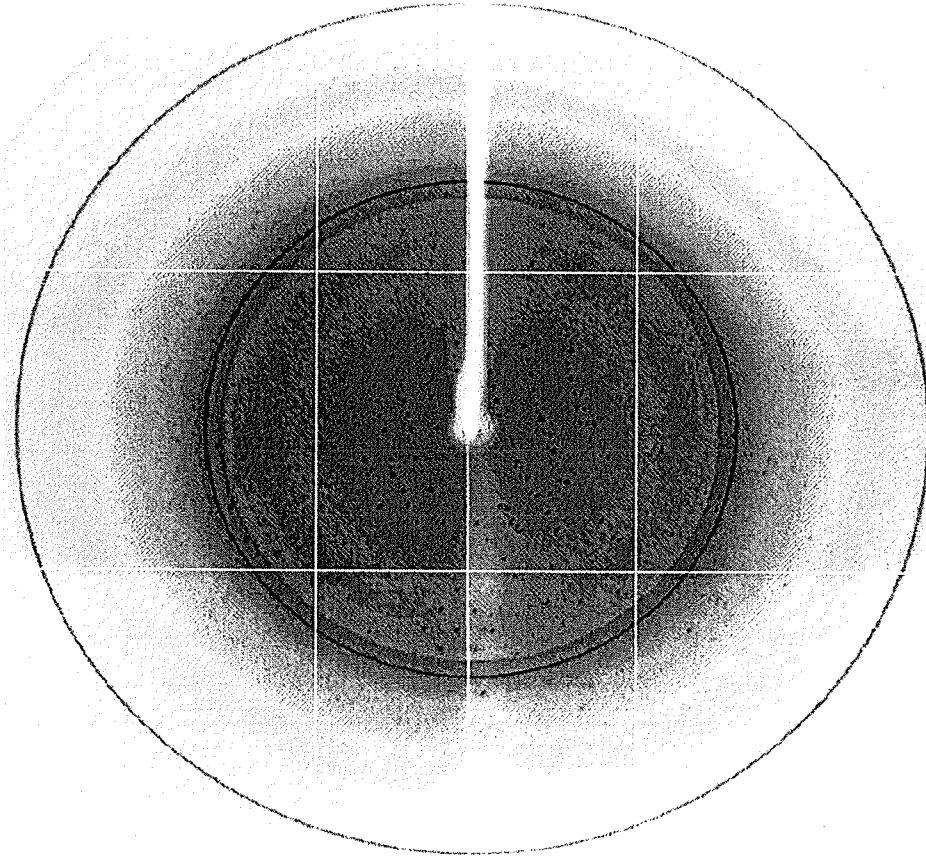


Figure 2

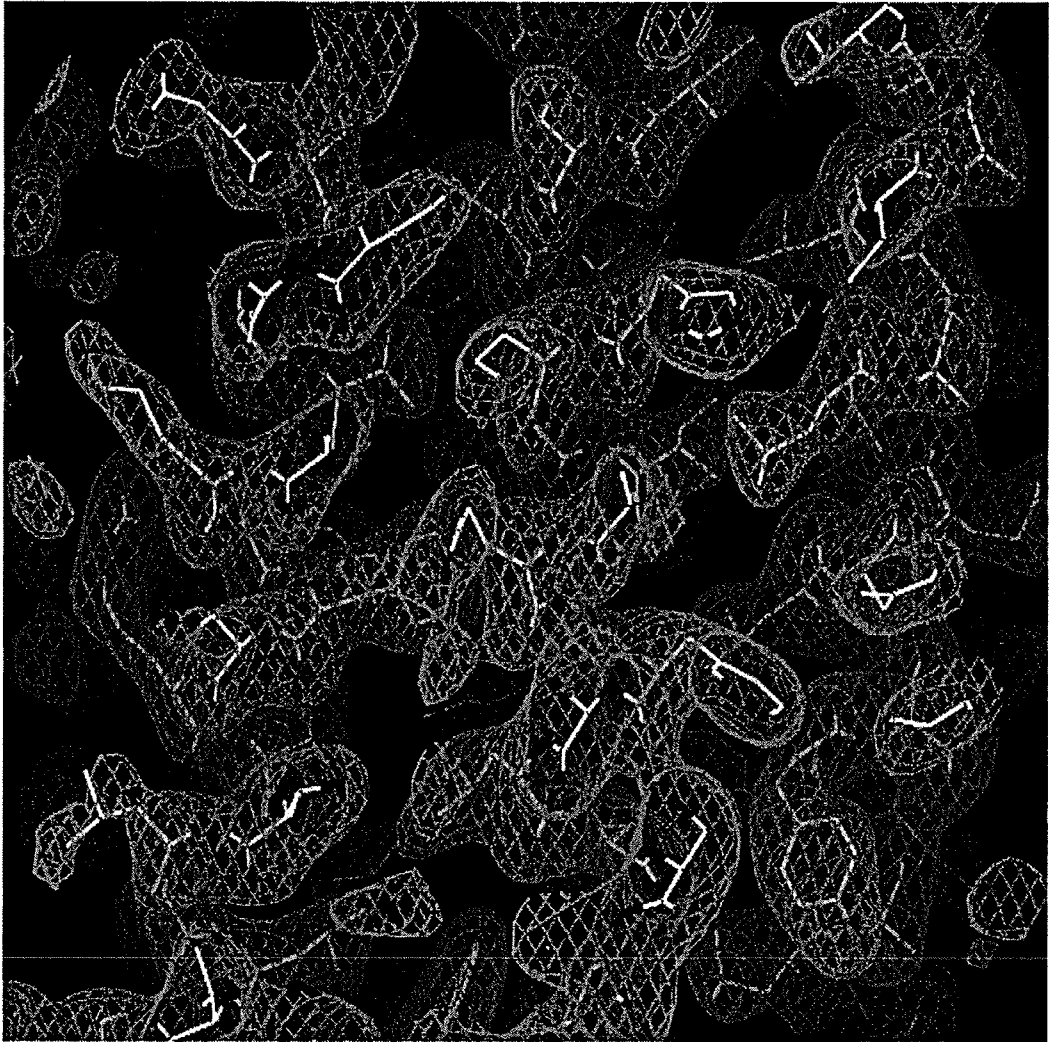


Figure 3

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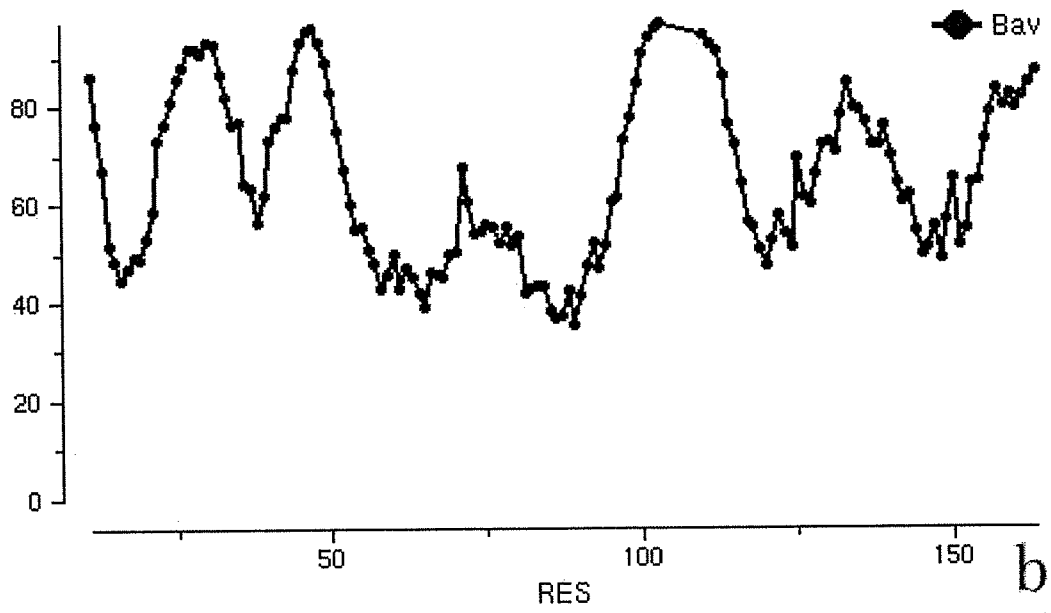
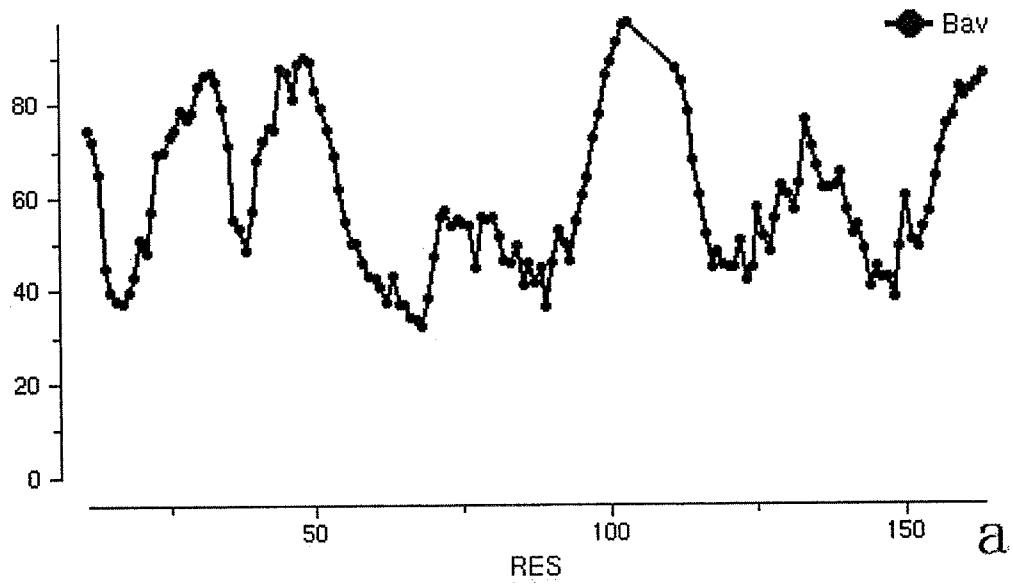
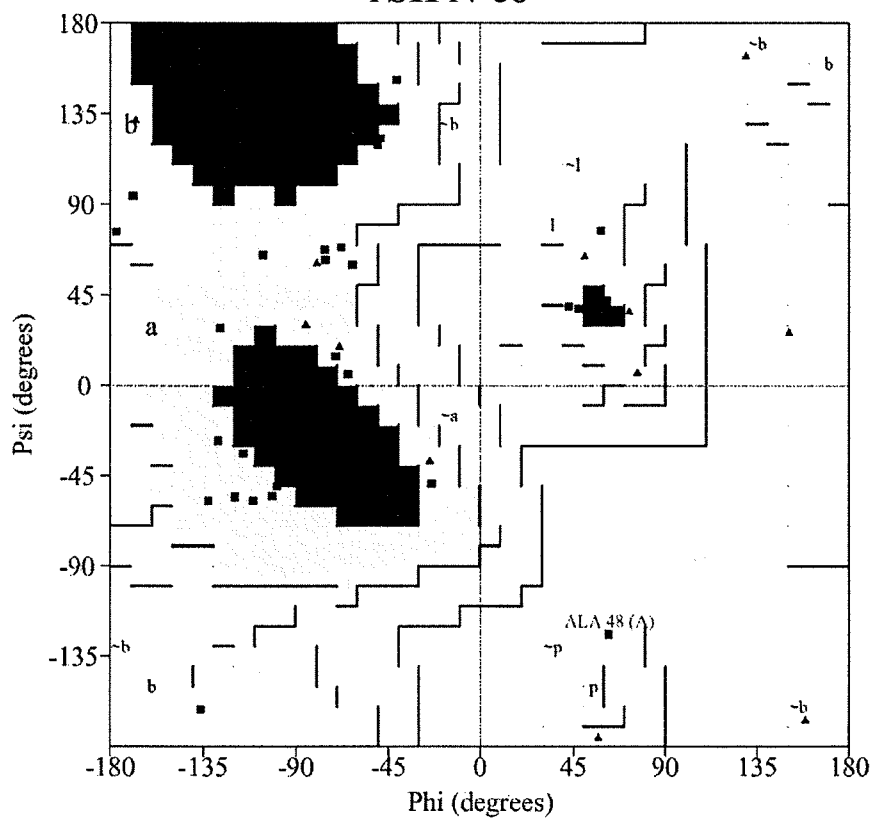


Figure 4

PROCHECK

Ramachandran Plot

rSIFN-co



Plot statistics

Residues in most favoured regions [A, B, L]	240	90.6%
Residues in additional allowed regions [a, b, l, p]	24	9.1%
Residues in generously allowed regions [~a, ~b, ~l, ~p]	1	0.4%
Residues in disallowed regions	0	0.0%
Number of non-glycine and non-proline residues	265	100.0%
Number of end-residues (excl. Gly and Pro)	127	
Number of glycine residues	18	
Number of proline residues	6	
Total number of residues	416	

Based on an analysis of 118 structures of resolution of at least 2.0 Angstroms and R-factor no greater than 20%, a good quality model would be expected to have over 90% in the most favoured regions.

Figure 5

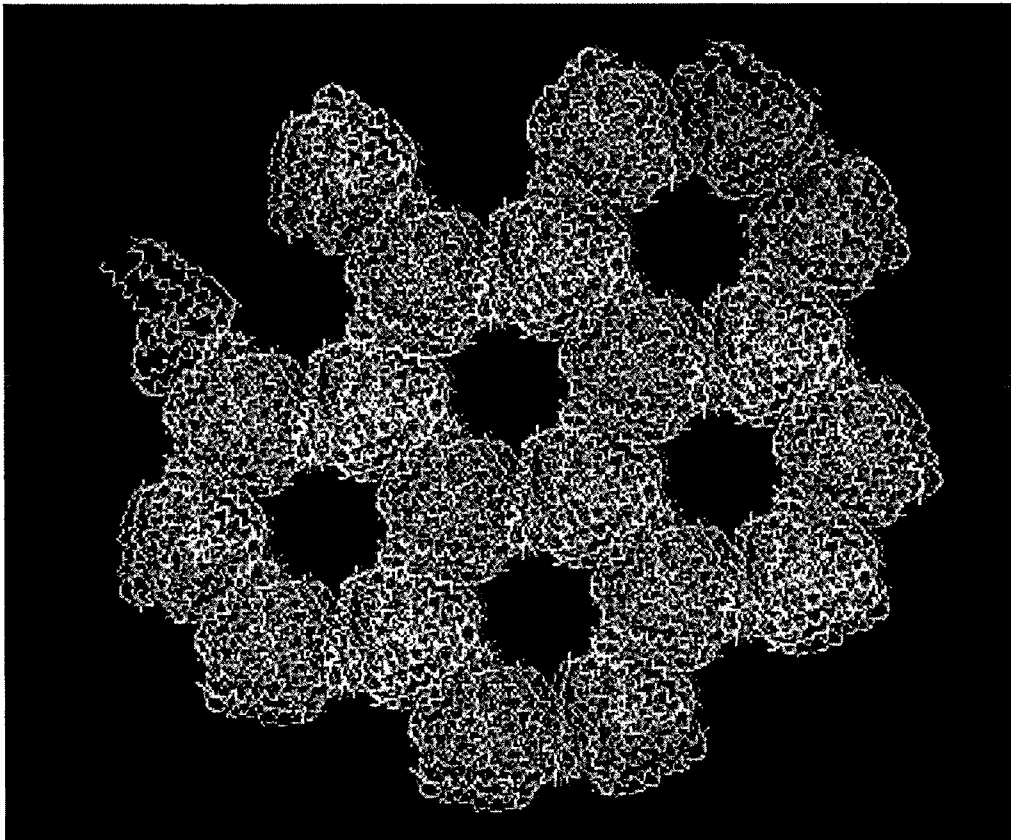


Figure 6

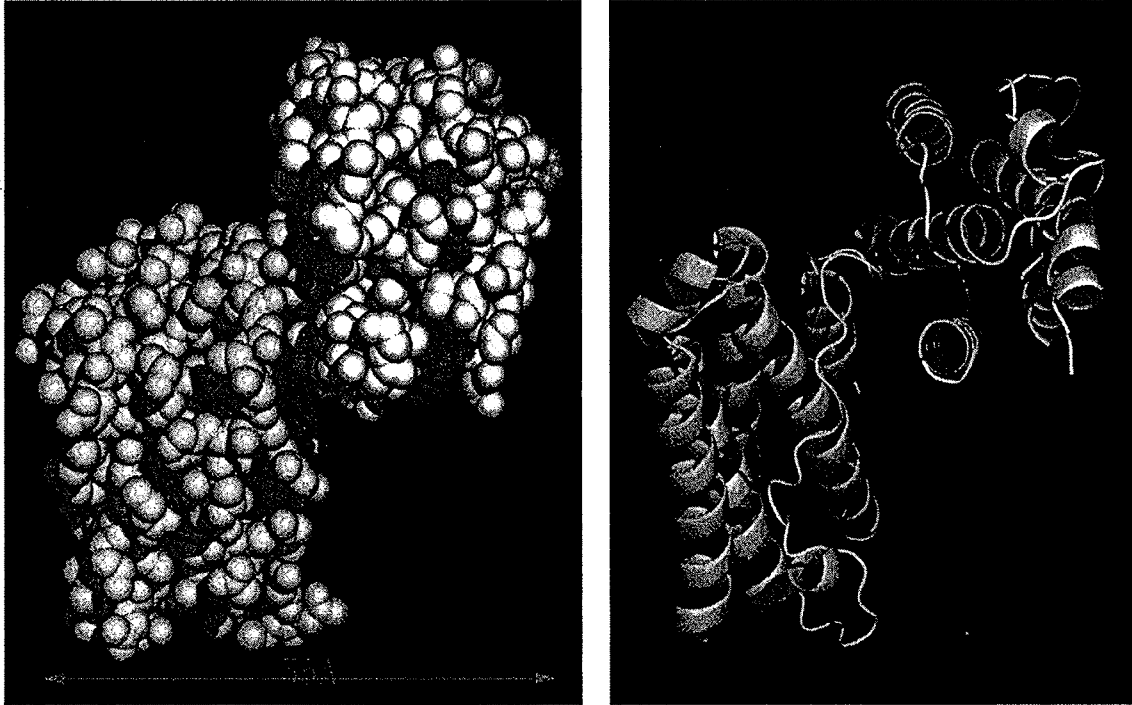


Figure 7

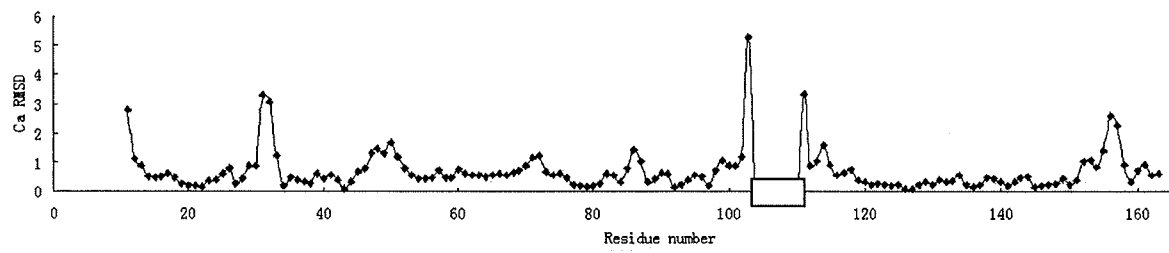
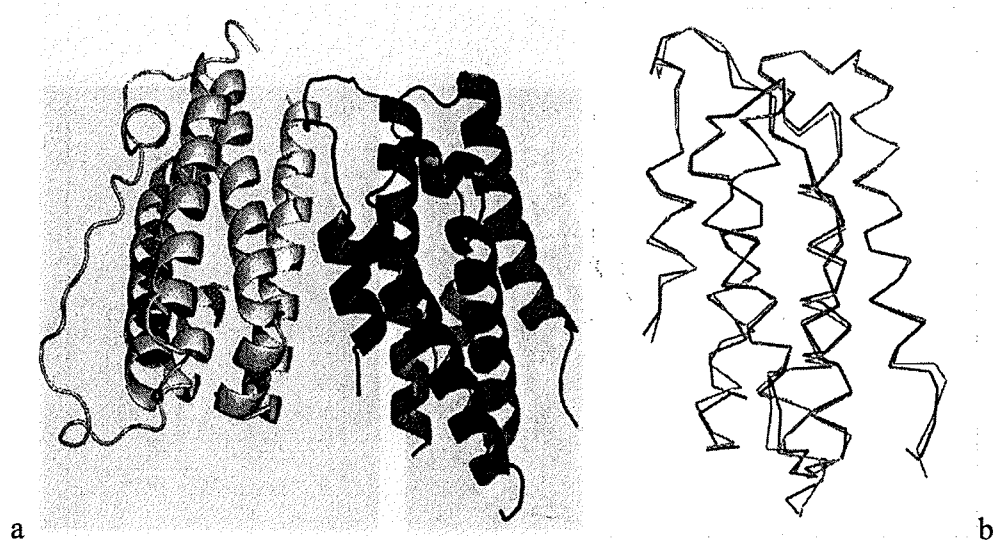


Figure 8

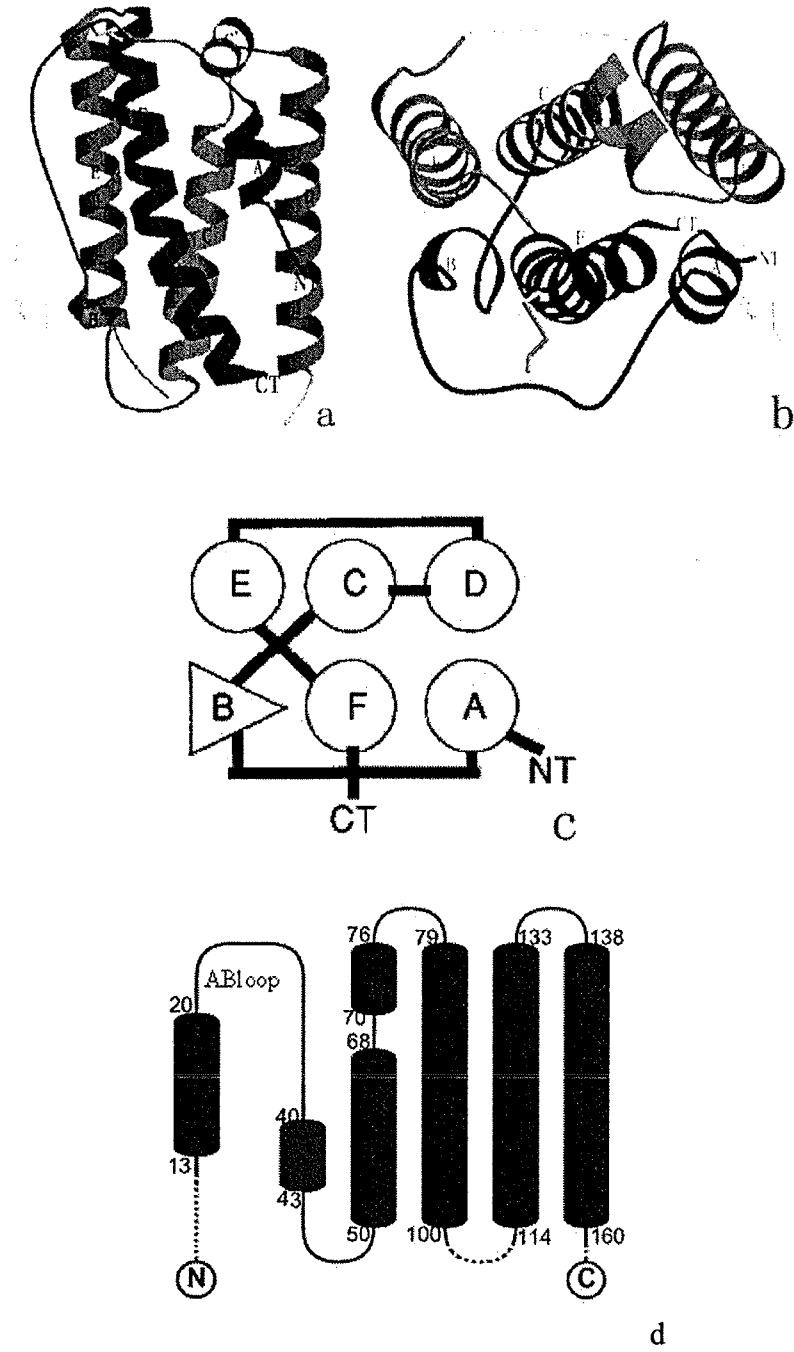


Figure 9

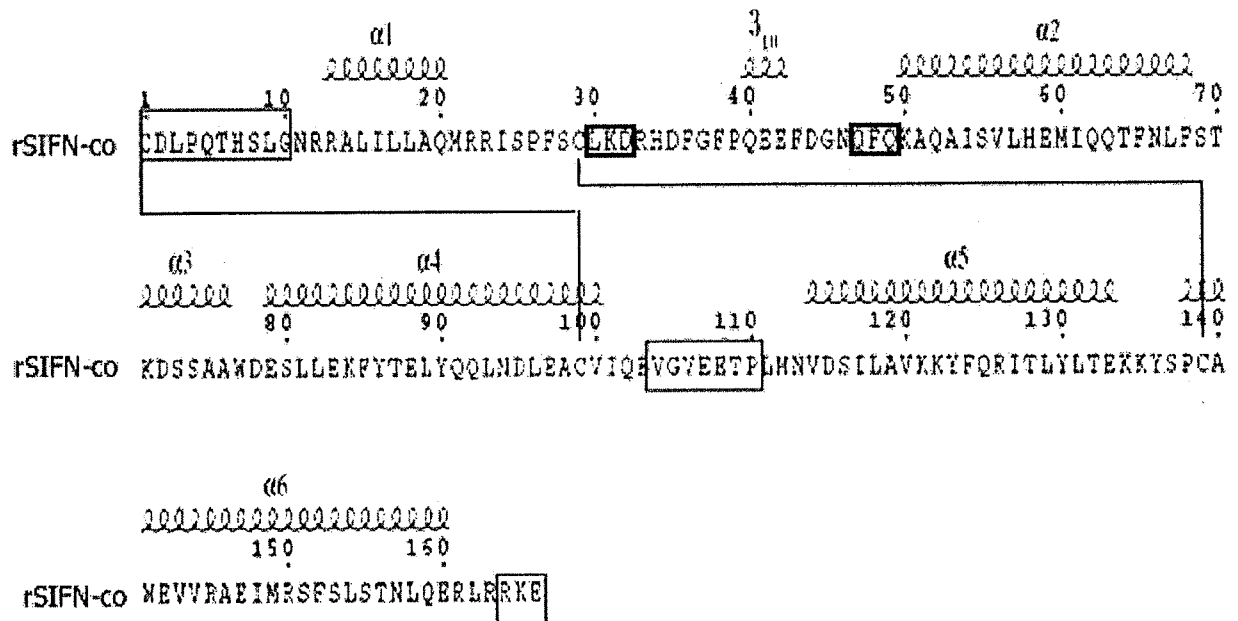


Figure 10

	1	10	20	30	40	50	60
rSIFN-co	...CDLPQTHSLGNRRALI	LLAQMRRIS	PFSC	LKDRHDFG	FPQE	EFDCNQ	FOKAQAISVLHEMIQQTENL
IFN-a2b	...CDLPQTHSLGSRRTLM	LLAQMRRIS	LFSC	LKDRHDFG	FPQE	EF.GNQ	FOKAETIPVLHEMIQQIFNL
IFN-a2a	...CDLPQTHSLGSRRTLM	LLAQMRRIS	LFSC	LKDRHDFG	FPQE	EF.GNQ	FOKAETIPVLHEMIQQIFNL
IFN-tau	...CYLSRKLMLDARENLK	LLDRMNRLS	PHSC	LQDRKDFG	LPQEMVEGDQ	LQKDQAF	PVLYEMLQQSFNL
hIFN-beta	MSYNLLGFLQSRSSNFQCQ	KLWQLNGRLEY	CLKDRMNFDI	PEEKQLQ	QFQKED	AALTIY	EMLNIFAI
mIFN-beta	INYNKQLQLQERTNIRK	QELLEQLNGKIN	...LT	YRADFK	IPMEMT	..EKM	QKSYTAFAIQRM

	70	80	90	100	110	120	130
rSIFN-co	FSTKDS	SSAAWDESLLEK	FYTETYQQLND	LEACVIGEV	GVEETPLMN	VDSILAVKKY	FORITLYLTEKKYS
IFN-a2b	FSTKDS	SSAAWDETLDDK	FYTETYQQLND	LEACVIGGV	GVTTETPLM	NEDSILAVKKY	FORITLYLKEKKYS
IFN-a2a	FSTKDS	SSAAWDETLDDK	FYTETYQQLND	LEACVIGGV	GVTTETPLM	KEDSILAVKKY	FORITLYLKEKKYS
IFN-tau	FYTEH	SSAAWDTTLL	EQCTGLQQLD	HLDTCRGQ	VMGEEDSEL	GNMDPIV	TVKKYFOGIYDYLQEKGY
hIFN-beta	FRQDS	SSSTGWN	ETIVENLLAN	VYHGINHL	KTVLEEKLE	KEDFTRG	KLMSSHLKRY
mIFN-beta	FRN	NFSSSTGWN	ETIVVRL	LDLHQQT	VFLKTVLEEK	Q.E	ERLITWEMSS

	140	150	160
rSIFN-co	PCAW	EVVRAEIMRSFSLSTNL	QERLRRKE.....
IFN-a2b	PCAW	EVVRAEIMRSFSLSTNL	QESLRSKE.....
IFN-a2a	PCAW	EVVRAEIMRSFSLSTNL	QESLRSKE.....
IFN-tau	DCAW	EIVRVEMMRALT	VSTTLQKRLTKMGGDLNSP
hIFN-beta	HCAW	TIVRVEILRN	FYFINRLTGYLRLN.....
mIFN-beta	SYAW	MVVRAEIFRN	FLIIRRLTRNFQN.....

Figure 11

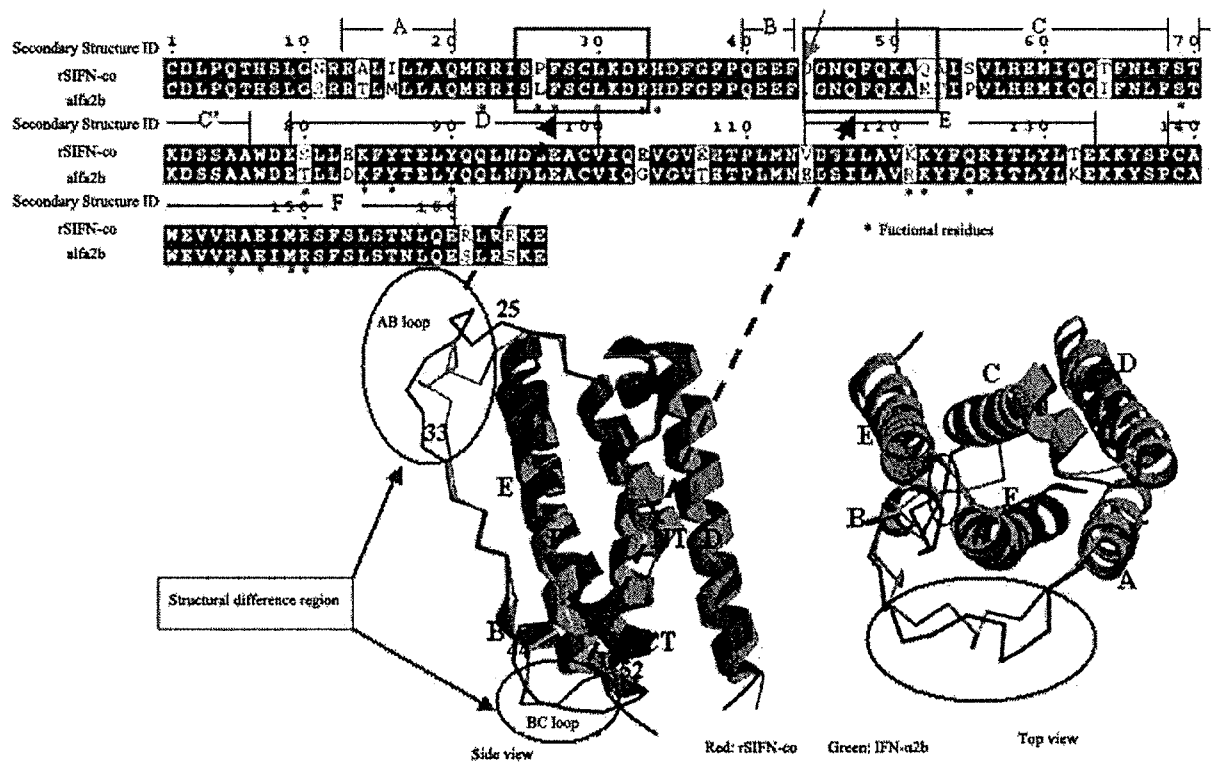


Figure 12

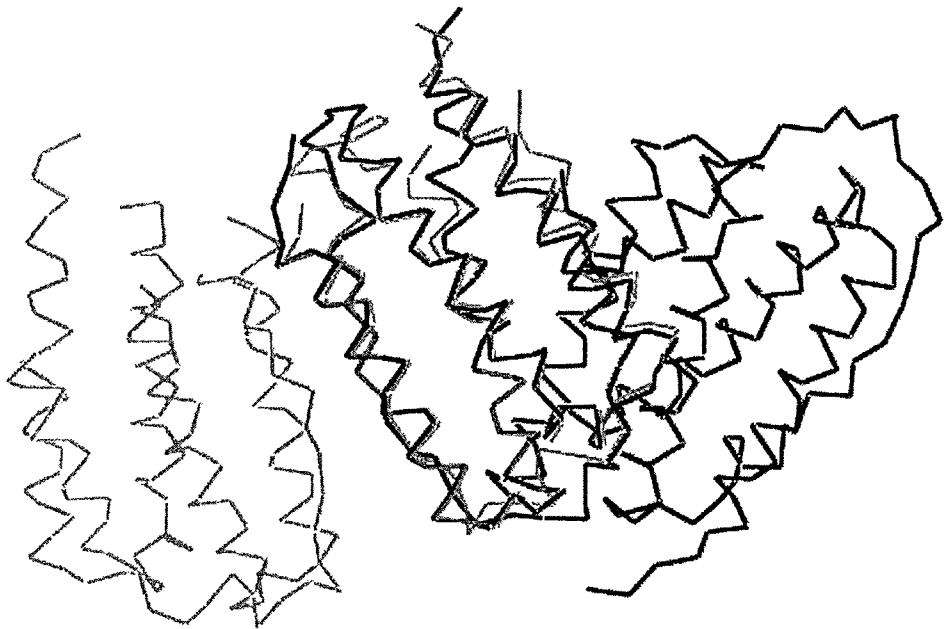


Figure 13

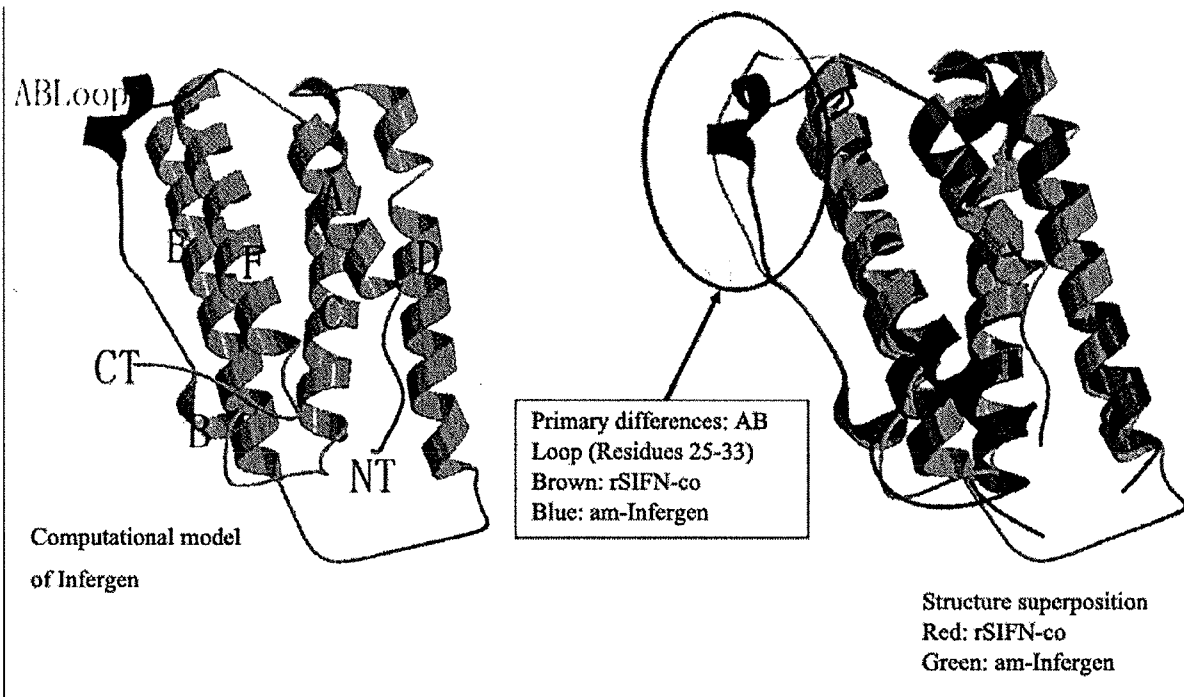


Figure 14

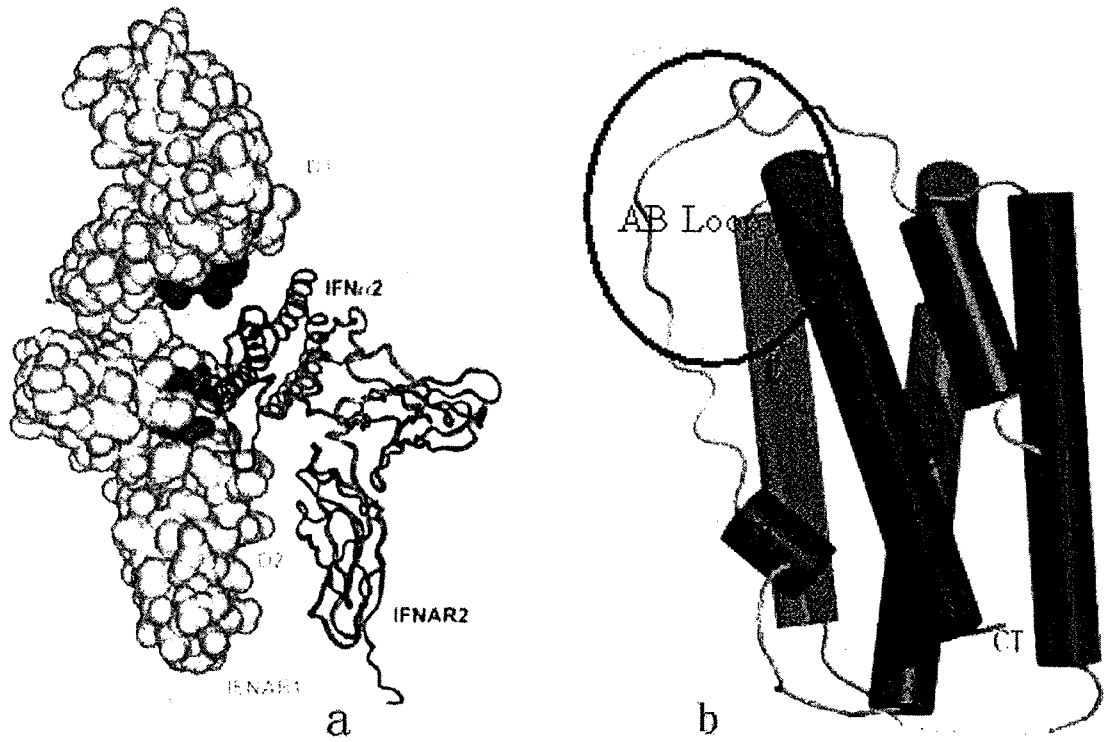


Figure 15

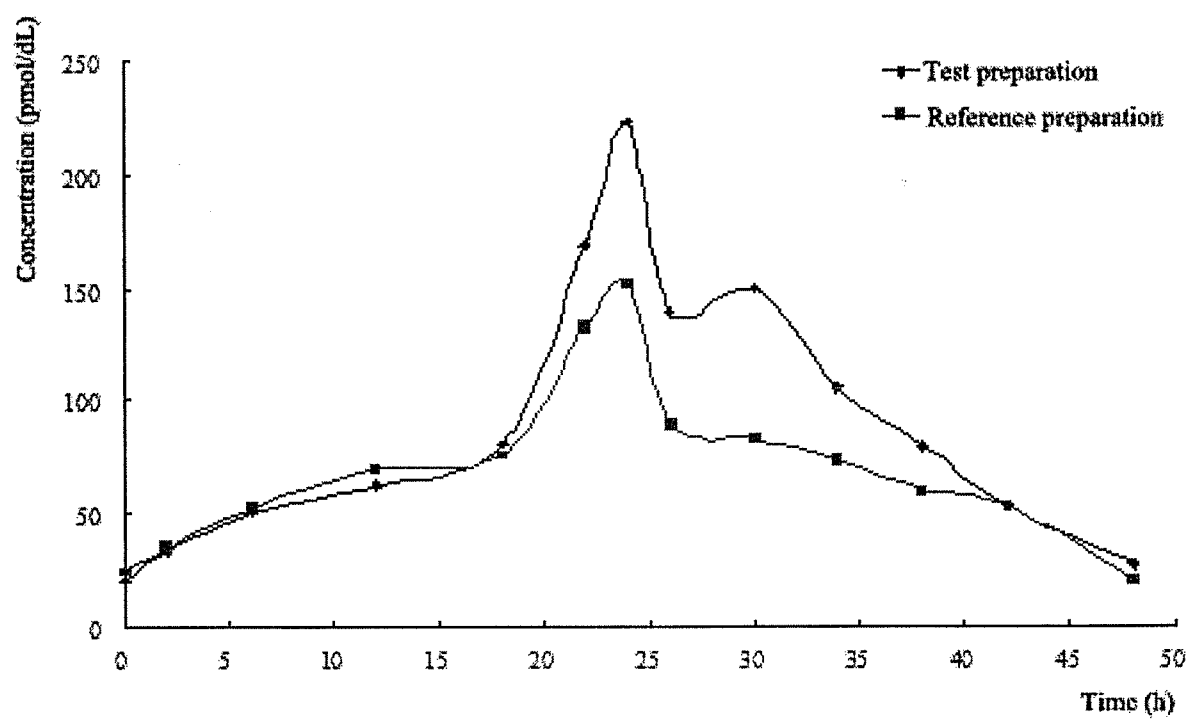


Figure 16