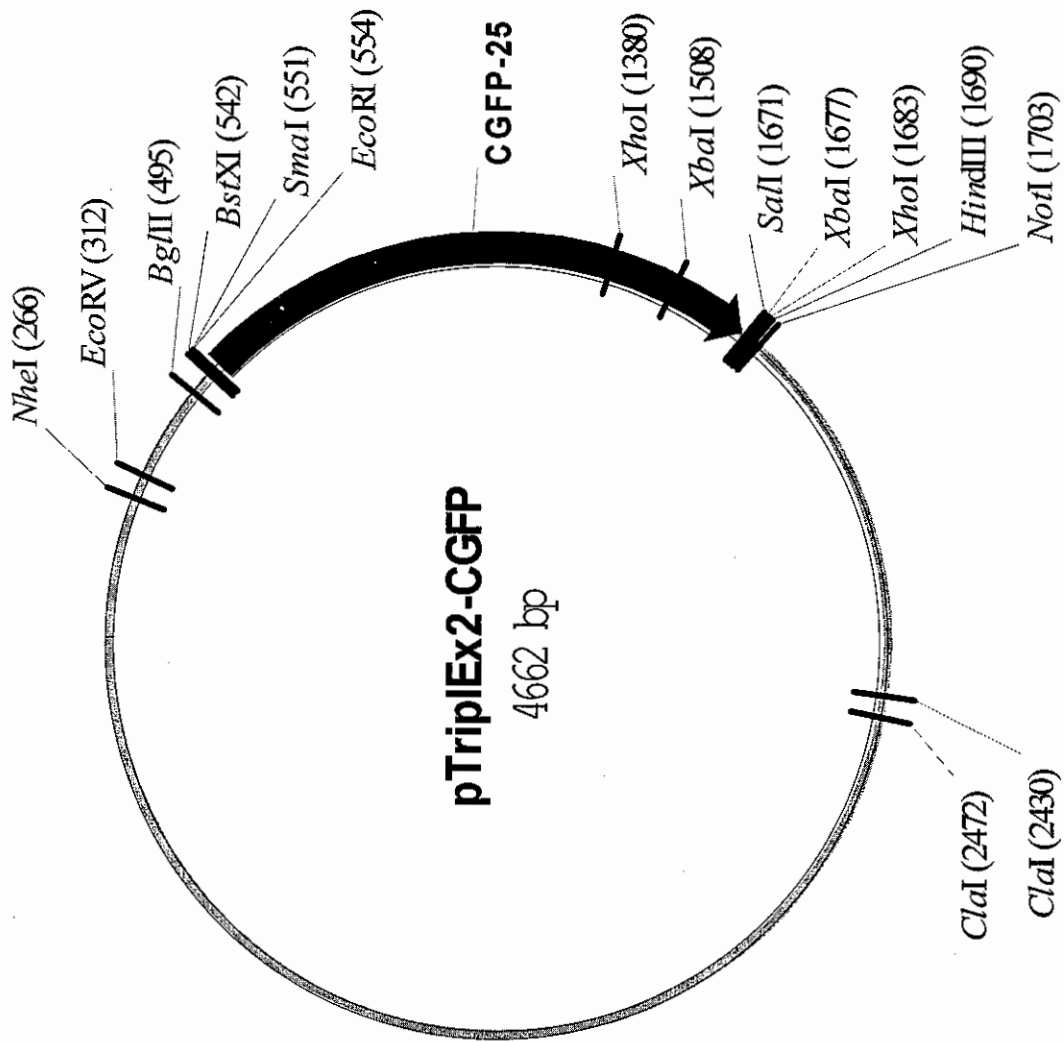


Figures**Fig. 1**

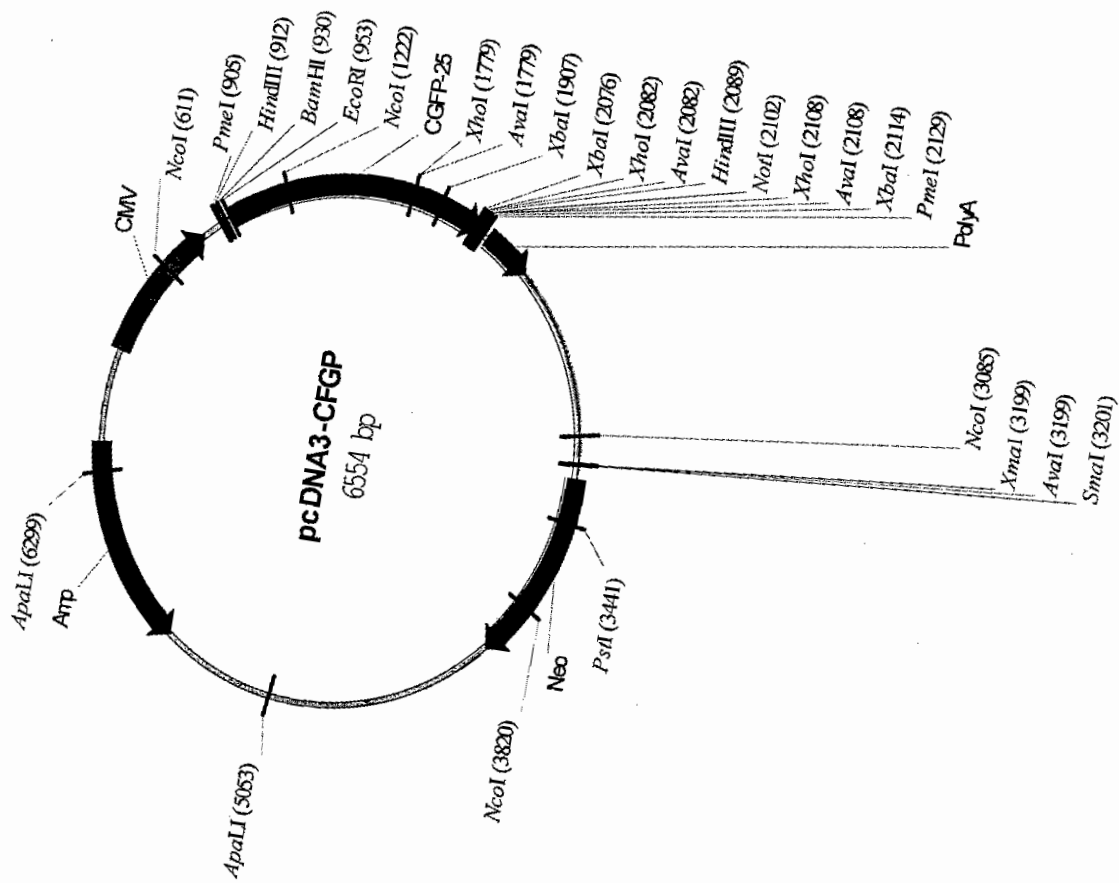
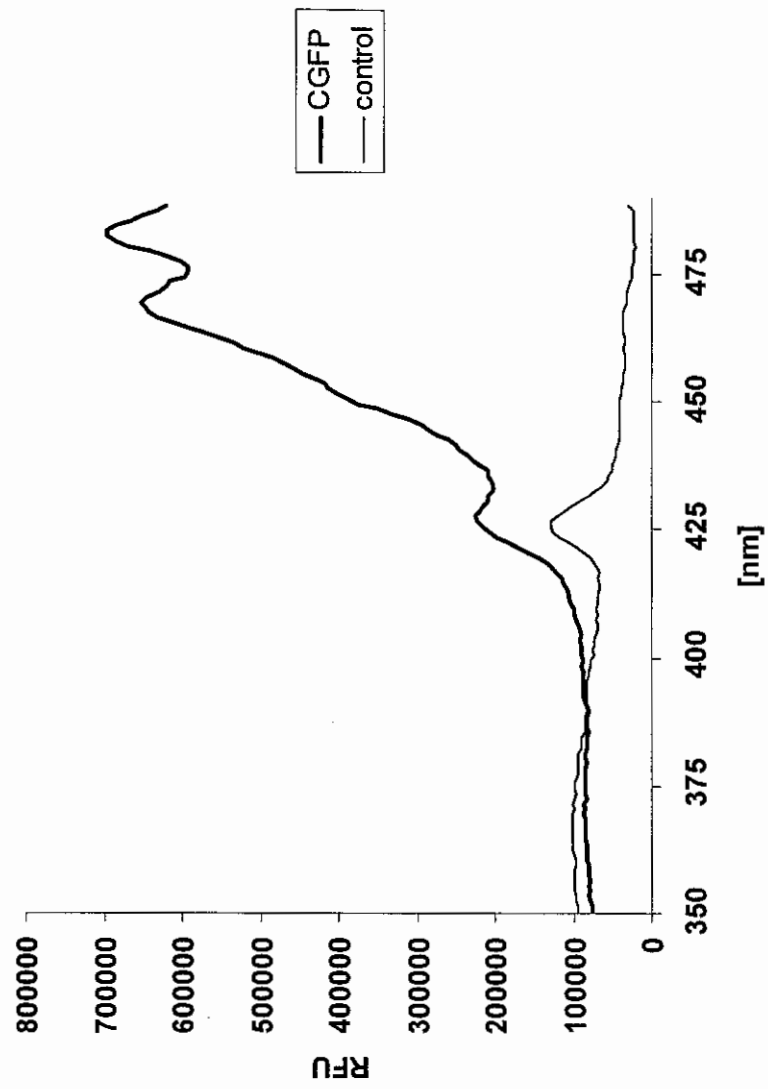


Fig. 2



Fig. 3

**Fig. 4**

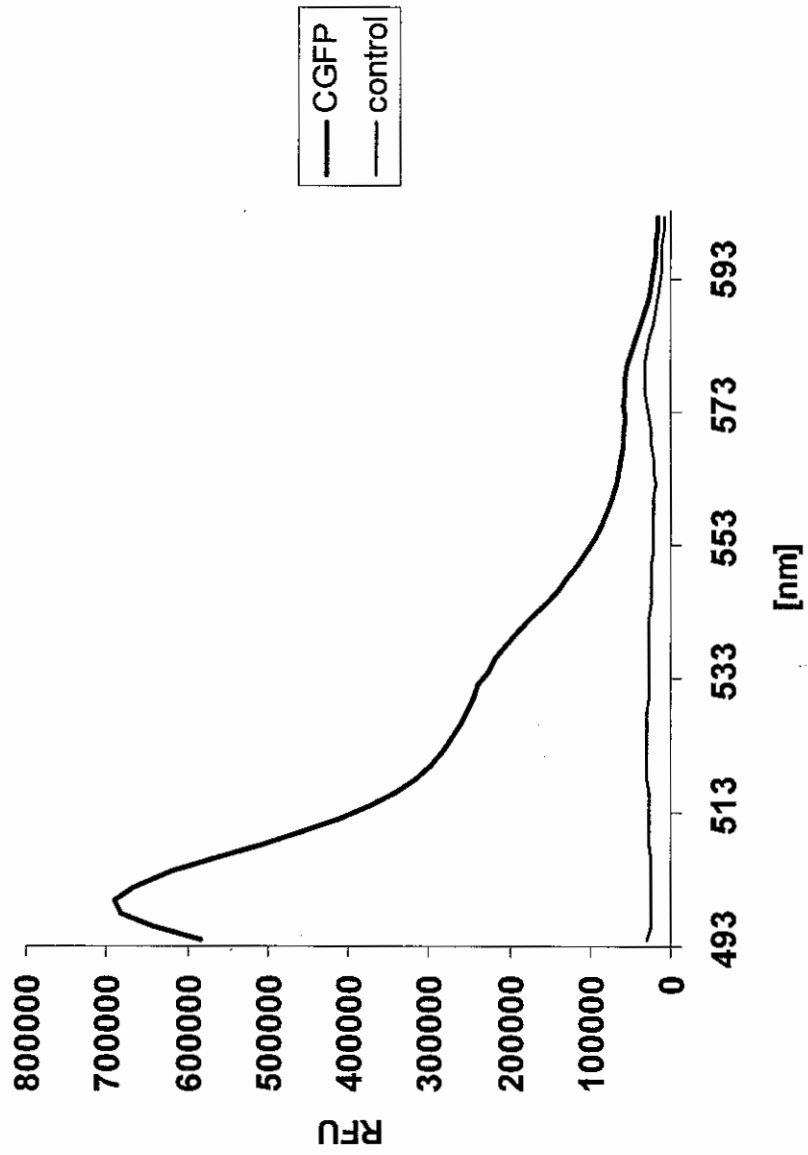


Fig. 5

Fig. 6

```

CGFP_Cly 000:MTALTEGAKLFEKEIPYITELEGDVEGMKFIKGEGTGDTTGTIKAKYICTTGD-LPVP
GFP_Aeq 000:...MSKGEELFTGVVPILVELDGDVNGQKFSVSGEGEGDATYKGLTLKFICTTGK-LPVP
GFP_Ren 000:MSKQILKNTCLQEVMSYKVNLEGI VNNHVFTMEGCGKGNILFGNQLVQIRVTKGAPLPFA

CGFP_Cly 060:WATILSSLSYGVCFEAKYPRHIA--DEFFKSTQPDGYSQDRIIISFDNDGQYDVAKVITYEN
GFP_Aeq 060:WPTLVTTFSYGVCFSRYPDHMKQHDFFKSAMPEGYVQERTIFYKDDGNYKTRAEVKFEG
GFP_Ren 060:FDIVSPAFAQYGNRTFTTKYPNDIS--DYFIQSFPAQFMYERTLRYEDGGLVEIRSDINLIE

CGFP_Cly 120:GTLNVRVTVKGTGFKSNGNILGMRVLYHSPPHAVYILPDRKNGGMKIEYNKAFDVMGGGH
GFP_Aeq 120:DTLVNRIELKGIDFKEDGNILGHKMEYNYNSHNVYIMADKPKNGIKVNFKIRHNIKDGSV
GFP_Ren 120:DKFVYRVEYKGSNFPDDGPMQKTIILGIEPSFEAMYM----NNGVLVGEVILVYKLNLSGK

CGFP_Cly 180:QMARHAQFNKPLGAWEEYPLYHHLT--VWTSFGKDPDDDETDLTLTIVEVIKAVDL----
GFP_Aeq 180:QLADHYQQNTPIGDGPVLLPDNHLYLS--TQSALSKDP-NEKRDHMLLLEFVTAAGITHGM
GFP_Ren 180:YYSCHMKTLMKSKGVVKEFPSYHFIIQHRLEKTYVEDGGFVEQHEHTAIAQMTSIGKPLGSL

CGFP_Cly 240:-ETYR
GFP_Aeq 240:DELYK
GFP_Ren 240:HEWV

```

Fig. 7

CGFP_Cly_000:atgactgcacttacggaaggagcaaaaactgttcgagaaagaaatccctacattacagag
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GFP_Aeq_000:atgagtaaggagaagaacttttcactggagttgtcccaattcttgttgaattagatggc

CGFP_Cly_060:ttggaaggagacgttgaagggaatgaaattcatcatcaaaaggtgaaggtaactggcgacgct
GFP_Ren_060:ctggaagggaattgtaaacaacacatgtttttacaatggagggttcgaggcaaaaggaatat
GFP_Aeq_060:gatgttaatgggcaaaaattctctgtcagtggagagggtgaaggatgcaacatacggga

CGFP_Cly_120:actactggcaccatcaaagcgaaatatatttgcaaaactggtgaccttcctgtaccatgg
GFP_Ren_120:ttattcggcaatcaactgggttcagatttcgtgtcacgaaagggggccactgccttttgca
GFP_Aeq_120:aaacttacccttaaaatttatattgcactactgggaagctacctgttccatggccaacactt

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GFP_Aeq_180:gtcactactttctcttatggtgttcaatgcttttcaagatacccagatcatatgaaacag

CGFP_Cly_240:attgccgactttttcaagagcacacaaccagatggttatccaaagacagaatcattagt
GFP_Ren_240:gatatatcagattattttatacaatcatttccagcaggattttatgtatgaacgaacatta
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GFP_Ren_240:gatatatcagattattttatacaatcatttccagcaggatttatgtatgaacgaacatta
GFP_Aeq_240:catgactttttcaagagtgccatgcccgaaggtttatgtacaggaaagaaactatatatttac

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