

Monomer YFP sequence

atg gtg agc aag ggc gag gag ctg ttc acc ggg gtg gtg ccc
 atc ctg gtc gag ctg gac ggc gac gta aac ggc cac aag ttc
 agc gtg tcc ggc gag ggc gag ggc gat gcc acc tac ggc aag
 ctg acc ctg aag ttc atc tgc acc acc ggc aag ctg ccc gtg
 ccc tgg ccc acc ctc gtg acc acc ttc ggc tac ggc ctg aag
 tgc ttc gcc cgc tac ccc gac cac atg aag cag cac gac ttc
 ttc aag tcc gcc atg ccc gaa ggc tac gtc cag gag cgc acc
 atc ttc ttc aag gac gac ggc aac tac aag acc cgc gcc gag
 gtg aag ttc gag ggc gac acc ctg gtg aac cgc atc gag ctg
 aag ggc atc gac ttc aag gag gac ggc aac atc ctg ggg cac
 aag ctg gag tac aac tac aac agc cac aac gtc tat atc atg
 gcc gac aag cag aag aac ggc atc aag gtg aac ttc aag atc
 cgc cac aac atc gag gac ggc agc gtg cag ctc gcc gac cac
 tac cag cag aac acc ccc atc ggc gac ggc ccc gtg ctg ctg
 ccc gac aac cac tac ctg agc tac cag tcc aag ctg agc aaa
 gac ccc aac gag aag cgc gat cac atg gtc ctg ctg gag ttc
 gtg acc gcc gcc ggg atc act ctc ggc atg gac gag ctg tac
 aag *gct ggt acc gag ctc gga tcc act agt aac ggc cgc cag*
tgt

(Italic letters show the sequence of MCS at C-terminus of YFP)

M V S K G E E L F T G V V P I L V E L D G D V N G H K F S V S G E G E G D A T Y
 G K L T L K F I C T T G K L P V P W P T L V T T F **G** Y G **LK** C F **A** R Y P D H M K
 Q H D F F K S A M P E G Y V Q E R T I F F K D D G N Y K T R A E V K F E G D T L
 V N R I E L K G I D F K E D G N I L G H K L E Y N Y N S H N V Y I M A D K Q K N
 G I K V N F K I R H N I E D G S V Q L A D H Y Q Q N T P I G D G P V L L P D N H
 Y L S **Y** Q S **K** L S K D P N E K R D H M V L L E F V T A A G I T L G M D E L Y K

(Italic, bold letters show the mutation sites)