```
Α
В
  PU 100 110 120 130 140 150 180 170 CTCTAGAGAGAGATTTTCTGAGGAGGATCTTGCCCTACTGGATTGTTCTCAACCCTTTATGTTGTGCTACTAATG S R E Q K L I S E E D L A V C P T G L F S N P L C C A T N XXbal c-myc HFBII
  180 180 200 210 220 230 240 250 270 TGTTGGATTGGTGTGTGATGCTGTTGAAGCTCATTGTGCATCTAAGGGA V L D L I G V D C K T P T I A V D T G A I F Q A H C A S K G
  TCÁAAACCTCTTTGCTGTGTTGCTCCAGTTGCÁGATCAGGCTTTATTATGCCÁGAAGGCTATTGGTACTTTCGGTGGAGGCTCTGGTGG
S K P L C V A P V A D Q A L L C Q K A I G T F G G S G G
HFBII
  300 370 380 390 400 410 420 430 440

AGGCTCAGGTGAGGCAGTGAGAACCTTTACTTCCAAGGAATGGTGAGCAAGGGCGAGGAGCTGTTCACCGGGGTGGTGCCCATCCTGG
G S G G G S E N L Y F Q G M V S K G E E L F T G V V P I L
  540 550 550 550 550 570 580 580 590 800 610 820

TTCATCTGCACCACCGGCAAGCTGCCCGTGCCCTGGCCCACCCTGGACCACCCTGACCTACGGCGTGCAGTGCTTCAGCCGCTACCG
F I C T T G K L P V P W P T L V T T L T Y G V Q C F S R Y P

GFP
  720 730 740 750 760 770 780 770 780 800

ACTACAAĠACCCGCGCCĠAGGTGAAGTŤCGAGGGCGAĆACCCTGGTGÁACCGCATCGÁGCTGAAGGGĆATCGACTTCÁAGGAGGACGĠĆ
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

GFP
  CTTCAAGATCCGCCACAACATCGAGGACGCGTGCAGCTCGCCGACCACTACCAGCAGAACACCCCCATCGGCGACGGCCCCGTGC
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
  880 080 1.000 1.010 1.020 1.030 1.040 1.050 1.040

TGCTGCCGACAACCACTACCTGAGCACCCAGTCCGCCCTGAGCAAAGACCCCCAACGAGAAGCGCGATCACATGGTCCTGCTGGAGTTC
LLPDNHYLSTQSALSKDPNEKRDHMVLLEF

GFP

GFP
  C
  GCACCAAGTÄGTGATGTGAACGGTATTATCAGGAGGGGCTÄACGCTTTTTGTCCAGAGGGGTTTATTA
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TACĂCCAATCCTTTATECTETEATCTTEATETTTTEGETETEGETEATTTTATETTTETECTT CCAGCAAÂGCCTTCTTCÂTGCAAGTCTTTTGGTTCTGTGTGCGCTTCÂATTGGAAGAÂAGCCAAGG

D

GCTCCTGCTCAAGAGGCTGCTGATATTGCTATTCTCGATGGTCCTTGTACTGCTGGTGTGACT

Ε

TGCTGCGCTACCGATGTGTTAGGTGTTGCTGATCTTGATTGTCAAACTCCTTCTTCACCTGTTCCACCCTGTTCCACCCTGTTCCACCTGTTCACCTGTTCACCTGTTCACCT GATGCTCÁGACATTTGAÁGCAGTGTGCÁCTGCAGGTGÁCAAAGAGCÁAGGTGTTGCÁCTATCCCT D A Q T F E A V C A A G G Q R A R C C A I P

200 249 249
TGTTGCGTGCTTCCAGTTGCTTTATTATGCGAGGATGTTCCAAAT
C C V L P V A L L C E D V P N
HFBVI

G

GGTGCTGGATGCTCTACTAAGTCATATTGTTGCCAGTCTGATGCTCCTCTTGCTGTGGGTGCTTTG

Н

GAAGTGTTTACCTTGGGAGCATTTTTGCCAGAAGCCAGTGGGAGTGACCGCA E V F T L G A F C Q K P V G V T A HYD4

CCTGCTCÅAGCAACAGAŤTTTTCTGCTĠTTTGTTCAGČAATTGGTCAĠAGAGCAAGGŤGCTGCGTT PAQATDFSAVCSAIGQRAAGCAAGT HYDS

S1 Fig. Expression cassettes and amino acid sequences. (A) A schematic presentation of the expression casettes. Genes for HFB, linker and GFP were cloned in the vector between Bsal restriction sites using Golden gate assembly. (B) The full nucleotide and amino acid sequences of the coding region of the expression cassette for representative construct: HFBII-GFP. (C) Sequence data for HFBIII, (D)

HFBIV, (E) HFBV, (F) HFBVI, (G) HYD3, (H) HYD4 and (I) HYD5.