

A

original sequence module
derived from:

ADF-3**module A**

GPYGPASAAAAAAGGYGPGSGQQ

module Q

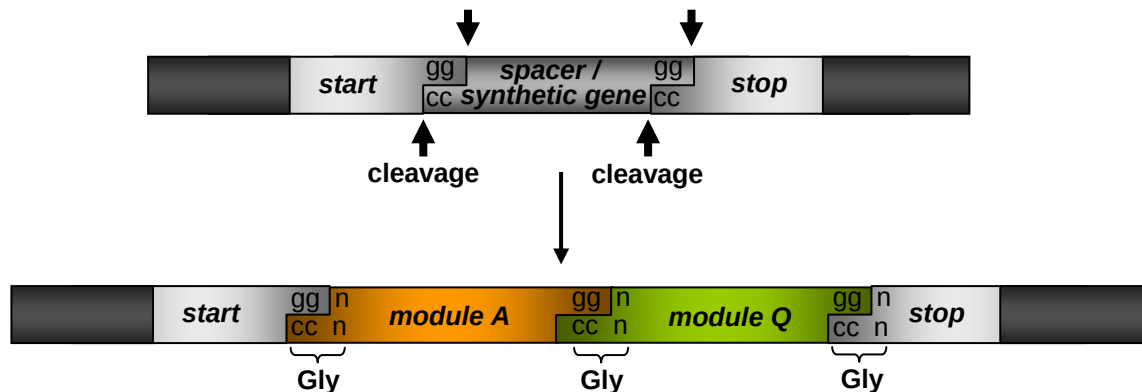
GPGQQGPGQQGPGQQGPGQQ

ADF-4**module C**

GSSAAAAAASGPGGYGPENQGPSGPGGYGPGGP

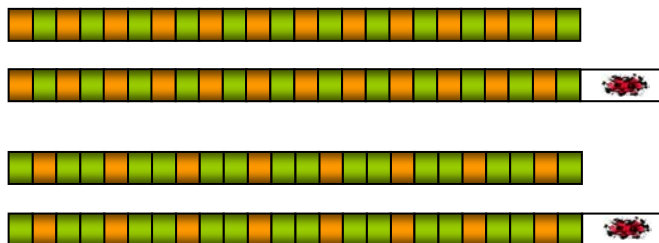
back translate (E. coli codon usage)

5' -  - 3'

B**C**

authentic
proteins:

synthetic
proteins:

ADF - 3 $(AQ)_n$ $(AQ)_nNR$ $(QAQ)_n$ $(QAQ)_nNR$ **ADF - 4** C_n C_nNR