# Supporting Information

Rapid methods for amplification of minimal, linear templates for protein prototyping using cell-free systems

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## Supplementary Sequences

Sequence #1

sfGFP – 999 base pairs

GTAAAACGACGGCCAGTAGCGCTATTAAAGCTTcgaaatTAATACGACTCACTATAGGGAGACCACAACGGTTTCCCTCTAGAAATAATTTTGTTTAACTTTAAGAAGGAGATATACATATGAGCAAAGGTGAAGAACTGTTTACCGGCGTTGTGCCGATTCTGGTGGAACTGGATGGCGATGTGAACGGTCACAAATTCAGCGTGCGTGGTGAAGGTGAAGGCGATGCCACGATTGGCAAACTGACGCTGAAATTTATCTGCACCACCGGCAAACTGCCGGTGCCGTGGCCGACGCTGGTGACCACCCTGACCTATGGCGTTCAGTGTTTTAGTCGCTATCCGGATCACATGAAACGTCACGATTTCTTTAAATCTGCAATGCCGGAAGGCTATGTGCAGGAACGTACGATTAGCTTTAAAGATGATGGCAAATATAAAACGCGCGCCGTTGTGAAATTTGAAGGCGATACCCTGGTGAACCGCATTGAACTGAAAGGCACGGATTTTAAAGAAGATGGCAATATCCTGGGCCATAAACTGGAATACAACTTTAATAGCCATAATGTTTATATTACGGCGGATAAACAGAAAAATGGCATCAAAGCGAATTTTACCGTTCGCCATAACGTTGAAGATGGCAGTGTGCAGCTGGCAGATCATTATCAGCAGAATACCCCGATTGGTGATGGTCCGGTGCTGCTGCCGGATAATCATTATCTGAGCACGCAGACCGTTCTGTCTAAAGATCCGAACGAAAAACGGGACCACATGGTTCTGCACGAATATGTGAATGCGGCAGGTATTACGTGGAGCCATCCGCAGTTCGAAAAATAATAAGTCGACCGGCTGCTAACAAAGCCCGAAAGGAAGCTGAGTTGGCTGCTGCCACCGCTGAGCAATAACTAGCATAACCCCTTGGGGCCTCTAAACGGGTCTTGAGGGGTTTTTTGCTGAAAGCGAGACTAAGCTTTAAACTTCGGGTCATAGCTGTTTCCTG

Sequence #2

Subtilisin BPN’ – 1344 bp

GTAAAACGACGGCCAGTAGCGCTATTAAAGCTTCGAAATTAATACGACTCACTATAGGGAGACCACAACGGTTTCCCTCTAGAAATAATTTTGTTTAACTTTAAGAAGGAGATATACATATGGCAGGTAAAAGTAACGGCGAGAAAAAATACATCGTTGGCTTCAAACAAACGATGTCGACCATGAGCGCAGCGAAAAAGAAAGATGTCATCAGCGAAAAAGGCGGTAAAGTGCAGAAACAATTCAAATACGTTGACGCGGCCAGTGCCACCCTGAATGAAAAAGCAGTGAAAGAACTGAAGAAAGATCCGTCCGTGGCGTACGTTGAAGAAGACCATGTTGCTCACGCGTATGCCCAGTCCGTTCCGTACGGTGTCTCACAAATTAAAGCACCGGCTCTGCATTCGCAGGGCTATACCGGTAGCAACGTTAAAGTCGCGGTGATTGATAGCGGCATCGACAGTTCCCACCCGGATCTGAAAGTTGCGGGCGGTGCCAGCATGGTGCCGAGCGAAACCAATCCGTTCCAGGACAACAATAGCCATGGCACGCATGTGGCGGGTACCGTTGCAGCTCTGAACAATTCTATTGGCGTCCTGGGTGTGGCACCGTCTGCTAGTCTGTATGCGGTTAAAGTCCTGGGCGCCGATGGCTCTGGCCAGTACAGTTGGATTATCAACGGTATTGAATGGGCGATCGCCAACAATATGGATGTGATCAATATGAGCCTGGGCGGTCCGTCCGGTTCAGCCGCACTGAAAGCAGCTGTCGACAAAGCAGTTGCTTCCGGTGTGGTTGTTGTGGCCGCAGCCGGTAACGAAGGCACGTCAGGCTCATCGAGCACCGTGGGTTATCCGGGCAAATACCCGTCGGTTATTGCGGTCGGTGCCGTGGATTCTAGTAATCAGCGTGCGAGCTTTTCCTCAGTTGGCCCGGAACTGGACGTTATGGCCCCGGGTGTCTCTATTCAAAGTACGCTGCCGGGTAACAAATATGGCGCGTACAATGGTACCAGCATGGCATCACCGCATGTGGCTGGTGCTGCGGCCCTGATCCTGAGCAAACACCCGAACTGGACGAATACCCAGGTTCGCTCGAGCCTGGAAAACACCACGACCAAACTGGGCGATTCTTTCTATTACGGCAAAGGTCTGATCAATGTTCAGGCAGCTGCGCAATAATAAGTCGACCGGCTGCTAACAAAGCCCGAAAGGAAGCTGAGTTGGCTGCTGCCACCGCTGAGCAATAACTAGCATAACCCCTTGGGGCCTCTAAACGGGTCTTGAGGGGTTTTTTGCTGAAAGCGAGACTAAGCTTTAAACTTCGGGTCATAGCTGTTTCCTG

*Needed Genetic Elements by color code:*

T7 Promoter

RBS

Start

Protein Sequence –

Stop

T7 Terminator

Circularization site – HindIII Digest

Primer Sequences