

## B<ofTN2> sequence on attTN7 site (integration site):

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GTCAGGCTTGCTTCTGCAAACACAGAGAAAAGCGCTCATCGATAAGGTCGGCGCACAACAGTTGCGACGGTGGTACGCATAACTTTTCATAAT
GTCCTCTGGGAGGATTCATAAAGCATTGTTTGTGGCTACGAGAAGCAAAATAGGACAAACAGGTGACAGTTATATGTAAGGAATATGACAG
TTTTATGACAGAGAGATAAAGTCTTCAGTCTGATTTAAATAAGCGTTGATATTCAGTCAATTACAAACATTAATAACGAAGAGATGACAGAA
AAATTTTCATTCTGTGACAGAGAAAAAGTAGCCGAAGATGACGGTGTGTACATGGAGTTGGCAGGATGTTTATGATAAAAACATAGTAGTAG
GTTGAGGCCGTTGAGCACCGCCCGCAAGGAATGGTGCATGCAAGGAGATGGCGCCCAACAGTCCCCCGCCACGGGGCCTGCCACCATAC
CCACGCCGAAACAAGCGCTCATGAGCCGAAAGTGGCGAGCCGATCTTCCCATCGGTGATGTCGGCGATATAGGCCAGCAACCGCACCT
GTGGCGCCGGTGTGTCGGCCACGATGCGTCCGGCGTAGAGGATCGAGATCGATCTCGATCCCAGCAAATTAATACGACTCACTATAGGGGA
AATTGTGAGCGGATAACAATTCCCTCTAGAAATAATTTTGTAACTTTAAGAAGGAGATATACATATGAAAAAGACAGCTATCGCGATTGC
AGTGGCACTGGCTGGTTTCGCTACCGTAGCGCAGGCCGACATCCAGATGACGCAATCTCCAAGCTCCCTGAGCGCAGCGTTGGCGATCGTG
TCACCATCACGTGTAAAGCCAGCCAAAACGTTGGCACCATGTTCCGTTGGTATCAGCAAAAGCCTGGTAAGGCTCCGAAAGCGCTGATTTAC
AGCGCCAGCTTCCTGTATTTCAGGTGTGCCGTATCGCTTCTCTGGTAGCGGTAGCGGCACGGACTTCACCGTGACCATTAGCAGCCTGCAGCC
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CGTGAGGCGAAAGTCCAGTGGAAAGTTGATAATGCCCTGCAGAGCGGCAACTCTCAGGAAAGCCTTACCAGCAAGACTCGAAAGATAGCAC
CTACAGCCTGTCTCTACCTTGACCCTGACCAAAGCTGACTATGAGAAACACAAAGTCTACGCGTGTGAAGTCACTCATCAGGGCCTGTCTA
GCCCTGTACCAAAGCTTCAATCGTGGTGAAGTGTAGTAA CAATTAAGATAGTTGATGGATAAACTTGTTCACTTAAATCAAGAAGGAGAA
TGTACAATGAAAAAGACAGCTATCGCGATTGCAGTGGCACTGGCTGGTTTCGCTACCGTAGCGCAGGCCGAAGTCCAACCTGGTTGAGAGCGG
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CAGCCTGGGTACCCAAACGTACATTTGTAACGTGAATCACAAGCCGAGCAACACCAAAGTTGACAAAAAGTTGAGCCGAAGTCTCTGTGATA
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TCCACATGCGGCATCTCGATGATGTGCATGTTATCGCTACTTACAAAACCCGCATCTGTATCGGCGAAGACATACAACCTGACCGCCACGCGC
CGAACTTCTTCAATGTTGGATTTTAGTTTTTCCAGCAATTCGTTGTTCCG

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The expression cassette is composed of the T7 promoter/operator element (highlighted in yellow), the coding sequence for the ompA signal sequence for periplasmic translocation (highlighted in green), the Fab light chain (LC) (highlighted in magenta), a spacer and again the ompA signal sequence, the FTN2 heavy chain (HC) (highlighted in red) and the transcription terminator element tZenit (highlighted in blue).