

HMS174(DE3)::I-SceI sequence on attTN7 site (Integration site):

CCGAAACAACGAATTGCTGGAAAACTGAAATCCAACATTGAAGAAGTTCCGCGCGCTGGCGGTGAGTTGTATGTCTTCGCCGATCAGGATGCGGGTTTTGTAAGTA
 GCGATAACATGCACATCATCGAGATGCCGATGTGGAAGAGGTGATTGCACCGATCTTCTACACCGTTCCGCTGCAGCTGTGGCTTACCATGTCCGCTGATCAA
 AGGCACCGACGTTGAC**CAGCCGCGTAACCTGGCAAATCGGTTACGGTTAGTAATAAATGGATGC**GCGAACGTGGCGAGAAAGGAGATCTGAAGTTCCTATACCT
 TCTAGAGAATAGGAACCTCGCGCCGCTGATTTAGAAAAATAAACAAAAGAGTTGTAGAAACGCAAAAAGGCCATCCGTGAGGATGGCCTTCTGCTTA**ATTACC**
CTGTTATCCCTATATGTTTTTAATCAAACATCCTGCCAACTCCATGTGACAAACCGTCATCTTCGGCTACTTTTCTCTGTACAGAAATGAAAAATTTTCTGTCA
 CTCTTCGTTAATGTTTGAATTGACTGAATATCAACGCTTATTAAATCAGACTGAAGACTTTATCTCTCTGTACATAAAATGTCATATTCTTACATATAAC
 TGTCACTGTTTGTCTATTTTCTCTGTAGCCAAACAAATGCTTTATGAATCCTCCAGGAGACATTATGAAAGTTATGCGTACCACCGTCGCAACTGTTG
 TCGCCGCGACCTTATCGATGAGTGCTTCTCTGTGTTGCGAAGCAAGCCTGAC

Integration overhangs highlighted in yellow, I-SceI restriction site highlighted in green.

pAIO Sequence:

TAGGGATAACAGGGTAATCGTAGAGGATCTGCTCATGTTTGACAGCTTATCATCGATGCATAATGTGCCTGTCAAATGGACGAAGCAGGGATTCTGCAAACCCCTAT
 GCTACTCCGTCGAAGCGTCAATTTGCTGATTCGTTACCAATTATGACAACTTGACGGCTACATCATTCACTTTTTCTTCAACCCGGCAGGAACTCGCTCGGGCT
 GGCCCGGTCATTTTTAAATACCCGCGAGAAATAGAGTTGATCGTCAAACCAACATTCGACCCGACGGTGGCGATAGGCATCCGGTGGTGTCTAAAAGCAGC
 TTCGCTTGCTGATACGTTGGTCTCGCGCCAGCTTAAGACGCTAATCCCTAACTGCTGGCGGAAAAGATGTACAGACGCGACGGCGACAAGCAAACATGCTGTG
 CGACGCTGGCGATATCAAATTTGCTGTCTGCCAGGTGATCGTGTACTGACAAGCCTCGCGTACCCGATTATCCATCGGTGGATGGAGCGACTCGTTAATCGC
 TTCCATGCGCCGAGTAAACAAATGCTCAAGCAGATTATCGCCAGAGCTCCGAAATAGCCCTTCCCTTGGCCGGCGTTAATGATTTGCCAAAAGGTCGCTG
 AAATGCGGCTGGTGCCTTCATCCGGCGAAAAGAACCCCGTATTGGCAAATATGACGGCCAGTTAAGCCATTATGCCAGTAGCGCGCGGACGAAAGTAAACCC
 ACTGGTGATACCATTCGCGAGCCTCGGGATGACGACCGTAGTGTGAATCTCTCCTGGCGGAAACAGCAAATATCACCCGGTCGGCAAACAAATTCGTCCTCG
 ATTTTACCACCCCTGACCGGAATGGTAGATTGAGAAATAACCTTTCATTCACAGCGGTCGGTCGATAAAAAATCGAGATAACCGTTGGCCTCAATCGGC
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