pLEXSY I-neo3 EGE-245

Description:

nt 0001-0741: 5 part of odc gene of Leishmania tarentolae for chromosomal integration nt 0742-0758: T7 promoter nt 0768-0784: TET operator nt 0820-1176: 5 non-translated region of aprt gene of Leishmania tarentolae with splice acceptor site for target gene nt 1177-1196: BglII-NcoI-SlaI cloning sites LMSAP signal peptide of L. mexicana secreted acid nt 1186-1254: phosphatase nt 1246-1266: SalI-XbaI cloning sites nt 1267-2244: stuffer fragment to be replaced by target gene nt 2251-2262: MspCI-KpnI cloning sites Hexa-His stretch coding region nt 2263-2280: nt 2292-3631: 1.4k intergenic region from cam operon of Leishmania tarentolae with polyA site for target gene and splice acceptor site for marker gene nt 3641-4444: neo marker gene 5'UTR of dhfr-ts gene of Leishmania with polyA site for nt 4482-5059: marker gene nt 5183-5965: 3 part of odc gene of Leishmania tarentolae for chromosomal integration nt. 5967-7917: pUC18 derived with ori and bla marker gene @ nt 6250-7110.

ATTTAAATGAATACTTACAAGGTACTCCTGCACCCGGCACAAGCGTATGTAATTGCTAGCACGCCGGTGCCGACCCAACCTCCA $\tt CCCCCTCCCCCCCCACACACACACACTTGCTGTCATGGCTGTGCGCATTCGCTCACTCTTGTCGTGTCCCGTTTCCCTCATG$ GCCCTCCTCGTACTCCCCTCTTCCTCATCCCCACCCCCCCGTGTGCGCCGGCTCCTCTCTGAATTCTAATACGACTCACTA TAGGGAGATCGtccctatcaqtqataqaGATCCAGTCGCAGCCTGACCGCATCACACATCAAGqCGTTACAGCCTCTCCGTCTT TGCTGCACCCAAGtGTATTCGTGTGACCGCGTTGAGGGATCTAATGGATTCGGAACTTTGGTCGTTTTGGTCTCATGCTGCCC AATCCCATGCGCTTTTCTCCGTGCCTCTCTGTCTCCCCTTCCGTTCTATTTGGACAACGATGTGTACTGTAATGcGTGCGCCAT $\verb|tctctagacacaatatgtataggctaccatgcgaacaattcaaccgacactgttgacacagtgctcgagaagaatgtgacagtg|$ acacactctgttaacctgctcgaagacagccacaacggaaaactatgtagattaaaaggaatagccccactacaattggggaaa tqtaacatcqccqqatqqctcttqqqaaacccaqaatqcqacccactqcttccaqtqaqatcatqqtActacattqtaqaaaca ccaaactctgagaatggaatatgttatccaggagatttcatcgactatgaggagctgagggagcaattgagctcagtgtcatca $\verb|ttcgaaagattcgaaatatttcccaaagaaagctcatggcccaaccacaacacacaaAcaaaggagtaacggcagcatgctcccat|$ qcqqqqGaaaqcaqtttttacaqaaatttqctatqqctqacqqaqaaqqqqqctcatacccaaaqctqaaaaattcttatqtq aacaaqaGaqqqaaaqaaqtccttqtactqtqqqqtattcatcacccqtctaacaqtaaqqaGcaacaqaatatctatcaqaat gaaaatgcttatgtctctgtagtgacttcaaattataacaggagatttaccccggaaatagcagaaagacccaaagtaagagat caagctgggaggatgaactattactggaccttgctaaaacccggagacacaataatatttgaggcaaatggaaatctaatagca ccaaqqtatqctttcqcactqaqtaqaqqctttqqqtccqqcatcatcacctcaaacqcatcaatqcatqaqtqtaacacqaaq tqtcaaacacccctqqqaqctataaacaqcaqtctccctttccaqaatatacacccaqtcacaataqqaqaqtqcccaaaatac gtcaggagtgccaaattgaggatggttacaggactaaggaacattccgtccattcaatccGCTAGCCTTAAGGGTACCCACCAC GTCTTACTTTTACGTGTACTTCTCTATAGATGATGTATGATCTCTCTGCATGCGTGTTCGTGCATGTGTCCGTGTTGTTGTAC TTTATTTGATCATGTAGTTGAGTATTAAATTGGGAAGACAAAAACATAATAGCACGAAGAGTCGGGCACGAAAAGCCCGATCTC AAGTAGAAGGCGTGGCGATGCGTTGCGCGGCCCCTGTCCGCTGGCATGCAGACGTCGAGCCGTGGAACGGATGGTAGCGAGAG ACAACGCGGCGATGCAGGAAAGGAGATTTACTGCAGGACGTCTACACACGCGCGCACACCACTGCGAATGGCACCGTGCTGAGG AAAATTGGGGGGGGGGGCGCGGGGGGGGGGAAACGGTTGGATCAGCAGCACTCTCAACTTGTGTCCGTATTGCGAAGG AGGGAGAGGAGCCTGCCCGTATTATGGGCGCTGAAACGTCGGAACCACCTATGAATCCCACTTCTGCGTCGCGGAGGCGTACTG TTGTCACGATGCATGGCCATCTCTCCTCCAACCCTCCACGCCTTCCTCCCCCGCCCATCAAACGCGCTACGGCCACAACCAT TTCTTCAAGTATCACATCCACCACCACTCTTACCCACCTACCCTCTTCGACTCTGACACAGCCACTGACGCCCTCTCCGCCTCT ${\tt ACACACCTCCACAGCCGGGATATGGGGATCGGCCATTGAACAAGATGGATTGCACGCAGGTTCTCCGGCCGCTTGGGT}$ GGAGAGGCTATTCGGCTATGACTGGGCACAACAGACAATCGGCTGCTCTGATGCCGCCGTGTTCCGGCTGTCAGCGCAGGGGCC

GACGGCGTTCCTTGCGCAGCTGTGCTCGACGTTGTCACTGAAGCGGGAAGGGACTGGCTGCTATTGGGCGAAGTGCCGGGGCA GGATCTCCTGTCATCTCACCTTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGGCGGCTGCATACGCTTGATCC TGATCTGGACGAAGAGCATCAGGGGCTCGCGCCAGCCGAACTGTTCGCCAGGCTCAAGGCGCGCATGCCCGACGGCGAGGATCT $\tt CGTCGTGACGCATGCCGGATGCCTGCCGAATATCATGGTGGAAAATGGCCGCTTTTCTGGATTCATCGACTGTGGCCGGCT$ GGGTGTGGCGGACCGCTATCAGGACATAGCGTTGGCTACCCGTGATATTGCTGAAGAGCTTGGCGGCGAATGGGCTGACCGCTT $\tt CCTCGTGCTTTACGGTATCGCCGCTCCCGATTCGCAGCGCATCGCCTTCTATCGCCTTCTTGACGAGTTCTTCTGAACTAGTTC$ ${\tt TAGTTCTAGGGGCCGAATTAATTCAGATCCTCGTGTGAGCGTTCGCGGAATCGGTCGCTCTTGTTTATGCCCGTCTTGGTGTTG}$ GGCTGTGCACGCCCTTCCTCACCCTCTTTTCCCACCTCTCGGCCACCGGTCGGCTCCGTTCCGTCTGCCGTCGAGAAGGGACG ${\tt GGCATGTGCAGCTCCTTTCTCTCGCGCGCGCATCTTCTCTTGTTGTTGTGGCACTCATGCGTCATGCGTCAAGGCGGCCCCACCGCTCATGCGTCATGCTCATGCGTCATGCTCATGCGTCATGCGTCATGCGTCATGCGTCATGCGTCATGCTCATGCGTCATGCGTCATGCGTCATGCGTCATGCGTCATGCTCATGCGTCATGCGTCATGCGTCATGCGTCATGCGTCATGCGTCATGCTCATGCGTCATGCTCATGCGTCATGCGTCATGCGTCATGCGTCATGCTCATGCGTCATGCTCATGCGTCATGCTCATGCGTCATGCTCAT$ CACACACACACAAAGCTCCGGTTCGTCCGGGCCCTGCAGGCATGCCGACGTTCGGTGACCTGAACCACCTCGTCGCCGCTGT GATGTCTGGCGTGACCTGCCTGCCTGCCTGCCAGCTGAACTCTGACCTGCCAAGCTTCTCCTGCTCAACGACGGCGA ${\tt CATGGGCAGCTACACCACCGCTGCCGCGGGAGTCTTCAACGGTTTCGCGACACGCCGCCTTGAGTTTGTGAGCTCTG+TGACTT}$ GTCTGCGAGGTCGAGGGCTGTGCATGCGCATGAGGGCAACACTTTTGAGTTcGTGAGCGAGTGAAAACGGGGCTGAGAGGATAC ATGCAGAAGAAGTATACCACTAATACGTATGCGTTCCTGCAGGCATCCGAGATGGACACCAGAGCAAGCGCGGGTGTGCGCGAG TGGCCAGGAAAGGGGAAGAGAGAGAGAGAGAGAGGAGGCGCGTCCCGTCGTTGTGCGTCTTCTGTGGTGGCGCATTT AaATTTAGAGCTTGACGGGGAAAGCCGGCGAACGTGGCGAGAAAGGAAAGGAAAGCGAAAGGAGCGGGCGCTAGGGCGCTG ${\tt GCAAGTGTAGCGGTCACGCTGCGCGTAACCACCACACCCGCGCGCTTAATGCGCCGCTACAGGGCGCGTCAGGTGGCACTTTT}$ CGGGGAAATGTGCGCGGAACCCCTATTTGTTTATTTTTCTAAATACATTCAAATATGTATCCGCTCATGAGACAATAACCCTGA TAAATGCTTCAATAATATTGAAAAAGGAAGAGTATGAGTATTCAACATTTCCGTGTCGCCCTTATTCCCTTTTTTGCGGCATTT GAACTGGATCTCAACAGCGGTAAGATCCTTGAGAGTTTTCGCCCCGAAGAACGTTTTCCAATGATGAGCACTTTTAAAGTTCTG $\tt CTATGTGGCGCGGTATTATCCCGTATTGACGCCGGGCAAGAGCAACTCGGTCGCCGCATACACTATTCTCAGAATGACTTGGTT$ GAGTACTCACCAGTCACAGAAAAGCATCTTACGGATGGCATGACAGTAAGAGAATTATGCAGTGCTGCCATAACCATGAGTGAT AACACTGCGGCCAACTTACTTCTGACAACGATCGGAGGACCGAAGGAGCTAACCGCTTTTTTTGCACAACATGGGGGATCATGTA ACTCGCCTTGATCGTTGGGAACCGGAGCTGAATGAAGCCATACCAAACGACGAGCGTGACACCACGATGCCTGTAGCAATGGCA GGTATCATTGCAGCACTGGGGCCAGATGGTAAGCCCTCCCGTATCGTAGTTATCTACACGACGGGGAGTCAGGCAACTATGGAT GAACGAAATAGACAGATCGCTGAGATAGGTGCCTCACTGATTAAGCATTGGTAACTGTCAGACCAAGTTTACTCATATATACTT TAGATTGATTTAAAACTTCATTTTTAATTTAAAAGGATCTAGGTGAAGATCCTTTTTGATAATCTCATGACCAAAATCCCTTAA $\tt CGCCTACATACCTCGCTCTGCTAATCCTGTTACCAGTGGCTGCCAGTGGCGATAAGTCGTGTCTTACCGGGTTGGACTCAAGTCGTGACTCAAGTCGTGTCTTACCGGGTTGGACTCAAGTCGTGACTCAAGTCGTGACTCAAGTCGTGACTCAAGTCGTGACTCAAGTCAAGTCGTGACTCAAGT$ GACGATAGTTACCGGATAAGGCGCAGCGGTCGGGCTGAACGGGGGGTTCGTGCACACAGCCCAGCTTGGAGCGAACGACCTACA TCCTGGCCTTTTGCTGGCCTT