

Schematic for pJD100GW with inserted DNA

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ATAGGGCGATTGGGTACacaagtttgtacaaaaaacaggct--// your DNA here //--
--accagctttctgtacaaagtggGTACCGGGCCCCCTCGAGGTCGACTGTTTAAATAGCCAGGC
                        ApaI      XhoI  Sali
CCCCGATTGCAAAGACATTATAGCGAGCTACCAAAGCCATATTCAAACACCTAGATCACTACCACTTCTA
CACAGGCCACTCGAGGTCGACGGTATCGATAAGCTTGATATCGAATT
                        XhoI  Sali    ClaI HindIII EcoRV
                                AGGCCAACGCTGTCAAGGGATCGTTTG
GGATCGGGGCAATCAGCACCGGCTCAGGACGAAACCATCAAGATGGGTGCCCTCGCGGTGTTCCGCGTGC
CTTGCTCGCGGCAGTGGCGTGGTTCGGCATCGGCCGACACCAAAAAGCCAACTTTGTGGTGTCTT
CACC GTAAGTATGCCGAGTAGACTGGGGCCCCGACGGGGACGGGACGGTTTTAGCTGTCAGACTGAGG
//----- arylsulfatase ARS1a genomic DNA -----
GACGGGATAGGTTTCGGCTCGTGTCTGTTGTCTTTGGCTCACTGTGTCGCTTGCAACCCCAACCAATCC
ACCCACAGGAGAAGTCGGTGCCGGTGCCCCAGGACATCTGAAGGCCGACGTGGAGAAGTGGTTCGCC
TTCAACAATGCCGAGTACTACCTGGCTTAGATGGTCGATATTATATAAAAGCCAAATGCAAGCGCGCATGG
ACATAGCGCATCGACCAAGCGCCACCATGGCTTGGGTTTCTTTGATACGGTTGGGCTAAGTTTGTATATGT
GGGTTTTGGACGTGGCCGCTTGGTCAGTAAGCGGTCCACGTGGTAATGCCGTGTGCGTGATCCCCCTGG
AGTGGTGTGGGGTAGGTTAATGACAAGGTAAGCAGTGGGTACATGCACGCACAATTGCGTCGGACAGA
AGAGTACCGGGACGTGATCCATGAAGAAATGGTATAAGGCGCCTCATGCATCCGTAGATGGCGCTCACGT
GCGCTTAATTGCATGCGCGCCGTCACCTGTTTGTGATTGCGGAATTAAGTGGTAGGCCACTTGGTTGC
GAAGAGTGTGTGCGCCGCCCTCGGTAGTTCGGTGCGCCGCTGGAACTTGCCTGGTGTCTGAGCTGC
GGAGCTCTGGTTGGTCACTTGGTCTGCTGTTGTGCTGTATGTTAAGAGGTGCTGGGTAAAGAAGTGGGC
TTGCGTGGATGTTGACTGGCTGGCAGATAGGACTGTGCAGCGGCCCTGCTGCCGCGTGGTAAAGACTGAG
AAAGGTATGTACCCGGCGTGGTGCCATGGAGCCATGGAACGAAGCCCTGTAACATGCTGTGTGCTTCAG
AGCAGGGCATAACCGTACTGAATAATGTCGTGGGCACAACACCTTGACTATATATGGAGGCGGGGTGCTG
GCTTGGCGGTGCCGAGCACCGAGCCACCGACGGTCCCTTTTGTATGCCGCTCGCCGATCACCCCTACCCCTG
GGTGACCCGTGTGCGCGTGACAAGAAAGCACCAGCCGCGGCAAGCGGGCTTCCCTGTAACGCCATACA
CATTTAGGCAGACGCTACGAAGGAGTCACGTAGCATCCAAGACCCAAGCTACCGTATTCTCTCTCAA
TTGATATGGACTCTCAAGTAATCCTTGAGATGGCGCCGCCACCGCGCAGACGCCCGCAGACCCCGCA
CAGGCTTGGGAGTTGGGAGCAGGACCATTAGACAGGATGCACCTAACGGCATGACACACACTTGGAGCGG
GGTGTGTGCCGCCCAACTGTGCGTTATGCTGCATCCACACGCATGTTGGAGATGGGCTCCACCACG
CGGCTGTGGCAGGGCAGCCCTCTGGATTTCGTGGGGCTCGGACCACCTAGCCGACCGGAGGGGTCCGGGT
CAGTTGGGGCCCAGCACCTCATCGGGGAAATGGAGTCTGGGGAAAGGAAATGGGATCC
                                                BamHI
GTTGACCTGCAGGTCGCCAGCTTTTGTTCCTTTAGTGAGGGT
PstI
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SCHEME:

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AGCT  C. reinhardtii ARS1a (PID 55757) periplasmic arylsulfatase intronic
AGCT  ditto translated exonic
AGCT  ditto untranslated exonic
AGCT  C. reinhardtii TUB2 (PID 129868) beta-tubulin gene minimal promoter
AGCT  pBluescript vector sequence
AGCT  unknown linker sequence
agct  Gateway attB1, attB2 sites
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