Schematic for pJD100GW

```
ATAGGGCGATTGGGTACacaagtttgtacaaaaaagcaggct--// your DNA here //--

--acccagctttcttgtacaaagtggtGTACCGGGCCCCCCCTCGAGGTCGACTGTTTAAATAGCCAGGC
                                ApaI     XhoI  SalI

CCCCGATTGCAAAGACATTATAGCGAGCTACCAAAGCCATATTCAAACACCTAGATCACTACCACTTCTA
CACAGGCCACTCGAGGTCGACGGTATCGATAAGCTTGATATCGAATT
          XhoI  SalI    ClaI HindIII EcoRV

                                              AGGCCAACGCTGTCAAGGGATCGTTTG
GGATCGGGGCAATCAGCACCGGCTCAGGACGAAACCATCAAGATGGGTGCCCTCGCGGTGTTCGCCGTCG
CTTGCCTCGCGGCAGTGGCGTCGGTTGCGCATGCGGCCGACACCAAAAAGCCCAACTTTGTGGTGATCTT
CACCGTAAGTATGCCGAGTAGACTGGGGGCCCGGACGGGGACGGGGACGGTTTTAGCTGTCAGACTGAGG

//-------------- arylsulfatase ARS2 genomic DNA ----------------------

GACGGGATAGGTTCGGCTCGTGTCGTTTGTCCTTTTGGCTCACTGTGTCGCTTGCACCCCAACCCAATCC
ACCCCCACAGGAGAAGTCGGTGCCGGTGCCCCAGGACATCCTGAAGGCCGACGTGGAGAAGTGGTTCGCC
TTCAACAATGCCGAGTACTACCTGGCTTAGATGGTCGATATTATATAAAAGCCAATGCAAGCGCGCATGG
ACATAGCGCATCGACCAAGCGCCACCATGGCTTGGGTTTCTTTGATACGGTTGGGCTAAGTTTGATATGT
GGGTTTTGGACGTGGCCGCTTGGTCAGTAAGCGGTCCACGTGGTAATGCCGTGTGCGTGATCCCCCCTGG
AGTGGTGTTGGGGTAGGTTAATGACAAGGTAAAGCAGTGGGTACATGCACGCACAATTGCGTCGGACAGA
AGAGTACCGGGACGTGATCCATGAAGAAATGGTATAAGGCGCCTCATGCATCCGTAGATGGCGCTCACGT
GCGCTTAATTGCATGCGCGCCGTCACTTGTTTGTTGATTGCGGAATTAAGTGGTTAGGCCACTTGGTTGC
GAAGAGTGTTGTGCGCCGCCCTCGGTAGTTCGGTGCGCCGCTGGAAACTTGCGTTGGTGTTCTGAGCTGC
GGAGCTCTGGTTGGTCACTTGGTCTGCTGTTGTGCCTGTATGTTAAGAGGTGCTGGGTAAAGAAGTGGGC
TTGCGTGGATGTTGACTGGCTGGCAGATAGGACTGTGCAGCGGCCTTGCTGCCGCGTGGTAAAGACTGAG
AAAGGTATGTACCCGGCGTGGTGCCATGGAGCCATGGAACGAAGCCCTGTAAACATGCTGTGTGCTTCAG
AGCAGGGCATACCGTACTGAATAATGTCGTGGGCACAACACCTTGACTATATATGGAGGCGGGGGTGCTG
GCTTGGCGGTGCCGGAGCACCGAGCCACCGACGGGTCCTTTTGATGCCGCTCGCCGATCACCCTACCCTG
GGTGACGCCGTGTGCGCGTGACAAGAAAGCACCGCAGCCGGCGAAGCGGGCTTCCCTGTAACGCCATACA
CATTGTAGGCAGACGCTACGAAGGAGTCACGTAGCATCCCAAGACCCAAGCTACCGTATTCTCTCTTCAA
TTGATATGGACTCTTCAAGTAATCCTTGAGATGGCGCCGCCACCGCGCAGACGCCGCCGCAGACCCCGCA
CAGGCTTGGGAGTTGGGAGCAGGACCATTAGACAGGATGCACTTAACGGCATGACACACACTTGGAGCGG
GGTTGTGTGCCGCCCCAACTGTGCGTTATGCTGCTATCCCACACGCATGTTGGAGATGGGCTCCACCACG
CGGCTGTGGCAGGGCAGGCCTCTGGATTCGTGGGGCCTGCGGACCACTAGCGGACCGGAGGGGTCGGGGT
CAGTTGGGGCCCAGCACCTCATCGGGGAAATGGAGTCTGGGGGAAGGGAAATGGGATCC
                                                       BamHI

GTTGACCTGCAGGTCGCCAGCTTTTGTTCCCTTTAGTGAGGGT
       PstI
```

SCHEME:

AGCT *C. reinhardtii* ARS2 (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 *att*R1, *att*R2 sites