PLS note: Tol2pA clones are GFP positive

Tol2-pA


< Tol2_INT_rev
GC GTTATAGTTA GGTAAAGGGC C

1 cagaggtga aagtacttga gtaatcttac ttgattactg tacttaagta tatttttgg gatattttac tttacttgag tacaattaa aatcaatat

101 tttactttta ctttaattaca ttttttaga aaaaaagta ctttttacac cttcaatttt tatttagct caaagatcac ttatatttttg gatgactcatt

201 gggcgcggcg cgatctccgc gcgcccgcac gcagcgagtt tctcttagaa gtatatggaaac ttcggtacctg gcataatcgc atcatcggtat

.........................frt................>

L200

101 tttactttta ctttaattaca ttttttaga aaaaaagta ctttttacac cttcaatttt tatttagct caaagatcac ttatatttttg gatgactcatt

>............................................L200........................................................>

5171

201 gggcgcggcg cgatctccgc gcgcccgcac gcagcgagtt tctcttagaa gtatatggaaac ttcggtacctg gcataatcgc atcatcggtat

>............................................frt................>

5171

801 aagtgaagtc aacatgcctg ccccaaacaa atatgcaaaa ggttcactaa agcagtagaa ataatatgca tcccctctcc ctcccccccc cctaacgtta

>.....................................SA..............................

5171

1101 aagtgaagtc aacatgcctg ccccaaacaa atatgcaaaa ggttcactaa agcagtagaa ataatatgca tcccctctcc ctcccccccc cctaacgtta

>.....................................SA..............................

IRES

1 cagaggtga aagtacttga gtaatcttac ttgattactg tacttaagta tatttttgg gatattttac tttacttgag tacaattaa aatcaatat

>............................................L200........................................................>

101 tttactttta ctttaattaca ttttttaga aaaaaagta ctttttacac cttcaatttt tatttagct caaagatcac ttatatttttg gatgactcatt

>............................................L200........................................................>

201 gggcgcggcg cgatctccgc gcgcccgcac gcagcgagtt tctcttagaa gtatatggaaac ttcggtacctg gcataatcgc atcatcggtat

>.............................................frt........................>

101 tttactttta ctttaattaca ttttttaga aaaaaagta ctttttacac cttcaatttt tatttagct caaagatcac ttatatttttg gatgactcatt

>............................................L200........................................................>

201 gggcgcggcg cgatctccgc gcgcccgcac gcagcgagtt tctcttagaa gtatatggaaac ttcggtacctg gcataatcgc atcatcggtat

>.............................................frt........................>

101 tttactttta ctttaattaca ttttttaga aaaaaagta ctttttacac cttcaatttt tatttagct caaagatcac ttatatttttg gatgactcatt

>............................................L200........................................................>

201 gggcgcggcg cgatctccgc gcgcccgcac gcagcgagtt tctcttagaa gtatatggaaac ttcggtacctg gcataatcgc atcatcggtat

>.............................................frt........................>

101 tttactttta ctttaattaca ttttttaga aaaaaagta ctttttacac cttcaatttt tatttagct caaagatcac ttatatttttg gatgactcatt

>............................................L200........................................................>

201 gggcgcggcg cgatctccgc gcgcccgcac gcagcgagtt tctcttagaa gtatatggaaac ttcggtacctg gcataatcgc atcatcggtat

>.............................................frt........................>
>..............................................IRES....................................................>

>..........................IRES....................................................>

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>............................................................EGFP....................................................>

>...................................................EGFP....................................................>

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>...................................................EGFP............................>>

>...................................................EGFP....................................................>

>....................................................pA............

>....................................................pA.................................

>....................................................pA.............................>

>....................................................pA..........................................

>....................................................pA.............................................................>
agactttagc tgaaaaatga gcctgaactc ctaactttat cctccgttct gtaagtcttc ggtttgagtg caccggaaac

ccgaaagggag acgcagagga ccaggaacat tctcctcctc ctgtcgcgtc agaaagaaca cccaaccagg gacccgagcc cctagcgctca acaactccgc

cgcgcgcgct ccgtgtaggc cggtgcgggc ggccccgtag cgcaagggag ggcgggaaag gaaggggcgg gacacaaggg cgaatctata aagggcgtca

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gccgttcagg atccgtgcag ccaatatggg atcggccatt gaacaagatg gattgcacgc aggttctccg gccgcttggg tggagaggct attcggctat

......>> RPB1 promoter

aacagacaat cgctgcgtct gatgccgcac gggcggccttc tctcttcggt ttctttttgt caagacccca cgcttcgggtg

ctctgaatga actgcaggac gaggcagcgc ggctatcgtg gctggccacg acgggcgttc cttgcgcagc tgtgctcgac gttgtcactg aagcgggaag

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cuatgcctgc ttgccgaata tcatggtgga aaatggccgc ttttctggat tcatcgactg tggccggctg ggtgtggcgg accgctatca ggacatagcg

tttggctaccc gtgatattgc tgaagagctt ggcggcgaat gggctgaccg cttcctcgtg ctttacggta tcgccgctcc cgattcgcag cgcatcgcct

tctatcgcct tcttgacgag ttcttctgac cacgcgtccc ctctccctcc ccccccccta acgttactgg ccgaagccgc ttggaataag gccggtgtgc

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tcccctctcg ccaaaggaat gcaaggtctg ttgaatgtcg tgaaggaagc agttcctctg gaagcttctt gaagacaaac aacgtctgta gcgacccttt

cagtcgccgc ttccttctgc cctgtcgtcc ccccccctta aacggtactgg cccaagccgc ttgaaataag gcggtgtgtgc

tctatgctgc ttccttctgc cctggtctttt gacgaccttg ggtttctttt gcgacctttt

gttgtctat cgctgcctttt ggcaatgtga gggcccggaa acctggccct gttttctttt gcgacctttt

tcccctctcg ccaaaggaat gcaaggtctg ttgaatgtcg tgaaggaagc agttcctctg gaagcttctt gaagacaaac aacggtactt gaagacccctt

IRES
5901  tgtgagttgg atagttgtgg aaagagtcac atggctctcc tcaagcgtat tcaacaaggg gctgaaggat gcccagaagg taccccattg tatgggatct

6001  gatctgggcc tctggctcac atgttttata tgtgttttagt cagaggtaaa aaaaagttca ggccccccga accacgggga cgtgttttcc ctttgaaaaa

6101  cacatgtgca aacccctgcac gcctagtgac gttgcacatc ggcagtcgcc atgcagctat gattccatc cgatgcgaat

6201  cgcatccaggt atgcgccac ccctgcagcc tttccgatgca gggatccagaa attcagcagc aagtttgtgtc ttggtatgcc cttgactaca

6301  aacgagttctt caggaattttg cagtagtttaa atgcttttttt tttctctgct cttatattttc aaaaaaccac ataaaaattg aggaaaggga agaatgtttt

6401  tctcttccga gacccctgtta atggaccgcc aacgagttgt cccattagtc acataaagct gtagtcggta acagagtcg aatctgcaagagttctctata

6501  ctatttgaag aataggaact tcggcctcga gaccgggtga tctgagctac tcaggtttaa atggagctgctttttc ccacctagttgttttacttttaattttgagtaaacttttttttatttttaattttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttttt...