Strain : VC4888

Genotype: wbp-4(gk5956[loxP + Pmyo-2::GFP::unc-54 3' UTR + Prps-27::neoR::unc-54 3' UTR + loxP])/+ I

Type: Heterozygous

QC: PPxP

Deletion: 4818 bp

Flanks: TTAAAATTCATTAAATTCGAATTAAATTAA, GGGCTCATTGAGCCCCCAAAACCATCAATT

Structure: wbp-4\_Insertion.ape, wbp-4\_Wildtype.ape

**wbp-4 Primers:**

Coordinates for primers 1-4 are from Insertion ApE file; coordinates for primer 5 are from WT ApE file. Note that ApE sequence is given as canonical genome sequence, so no primers are annotated as reverse complements.

(1) 41-61: wbp-4-1 SeqVal F

(2) 1986-2005: pMYO-2 SEC Insertion Primer

(3) 6351-6372: NeoR SEC Insertion Primer

(4) 8237-8257: wbp-4-1 SeqVal R

(5) 2422-2441: wbp-4-1 WT R

**Primer combinations and product sizes:**

Upstream insertion site: primers 1+2, product 1965 bp

Downstream insertion site: primers 3+4, product 1907 bp

WT on mutant: primers 1+5, N2 product 2401 bp, missing if deletion is real

WT on N2: primers 1+5, product 2401 bp

**PCR Parameters:**

(1) 94C/30 sec

(2) 94C/30 sec

(3) 60C/30 sec

(4) 72C/2 min

(5) To step (2) x 34 times