



***sult2st3*^{ihb313/+*(AB)*} (CZRC catalog ID: CZ1214)**

Nature of the mutation

12bp of "GATAGGGCCCCG" insertion and 1bp of "C" deletion from position 95bp exon2 of wild-type *sult2st3* coding sequence.

Sense Strand Sequence

catcatcactggtctctgtttgtgtttttcagGTACCACATGGATGCAAATATTCTCCCTCCGCTTCTG
AATGGAGGAGACCTGACACCTGTGCAGACTGTCCCAAAGTGGGATAGGGCCCCAT
GGCTGGAGGAGATACGAGCTGCGGTGGTGCTCGAAGAACGCCCTTCACCGCGAG
CCATAGTCTCTCACATGCCTTACCGCTTGATGCCTTCCTCTTTCTACAAATCCAAGG
CCAAGgtacagtgtggcagtctattgacgtgacattattgcatgtgaagggtttactgccttgatataaaagtggttccatgtatgctc
tgattggctaatttatagcctcacattatgcattgg

Uppercase: Exon/coding sequence

Lowercase: intron/noncoding sequence

atcg: Forward/Reverse primer

atcg: Crisper/cas9 target site

Genotyping assay

Primers:

CZ1214_forward: 5'- catcatcactggtctctgtttgt-3'

CZ1214_reverse: 5'- ccaatgacataatgtgaggca-3'

PCR program:

95°C 5min
95°C 30sec
58°C 30sec
72°C 30sec
95°C 10min
4°C hold

} 30 cycles

Product size: 367bp

