

S. agalactiae A909 TnSeq Supporting Documentation

Expected fragment characteristics:

189 bp

AATGATACGGCGACCACCGAGATCACACTCTTTCCCTACACGACGCTCTTCCGATCTXX
XXXXXX**NNNNNNNNNNNNNNNTAACAGG**TGGATGATAAGTCCCCGGTCTGACACATAGA
TGGCGTCGCTAGTATTAAATGCAGTAGATCCGAAGATCAGCAGTTCAACCTCGTATGCC
GTCTTCTGCTTG

Single Underline: Illumina-specific sequence

XXX: Barcode

Bold: GBS sequence (from strain A909)

Double Underline: MmeI binding site

Mutant Libraries:

A2

A5

A7

Each mutant library prep has time point-specific barcodes:

T0: TATAGCCT

T1: ATAGAGGC

T2: CCTATCCT

T3 (A2 pilot only): GGCTCTGA