

## Service W4 - Orientation PCR for MiMIC Transformant(s)

Date: 4/1/2017

Dear our valuable customer,

Below is a brief report for PCR confirmation of the MiMIC Construct(s) and Strain(s). Hope you will find our service helpful to your research.

BestGene Inc.

Order number: 21272-1

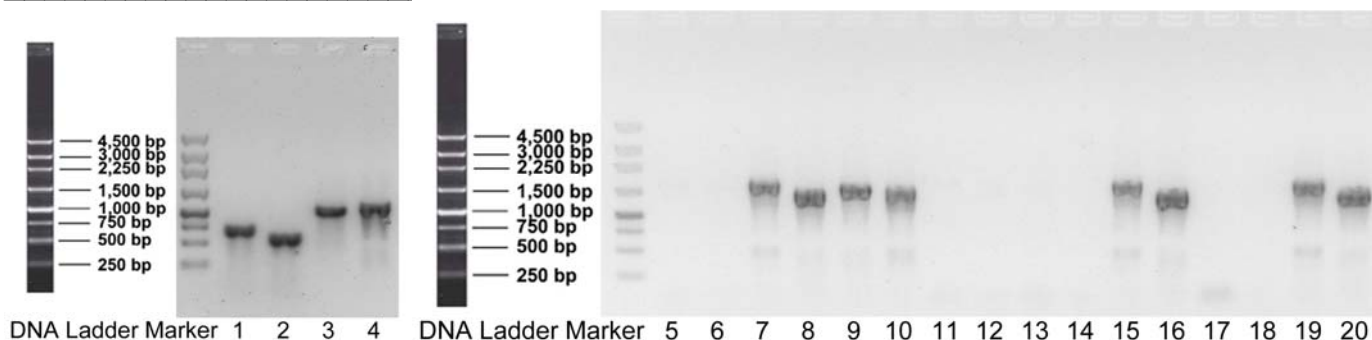
Label on Tube: DGRC#1325

Strain: MI13848 (BDSC#59216)

Result:

Line	Orientation <sup>a</sup>
21272-1-M1-M	[-]
21272-1-M2-M	[+]
21272-1-M3-M	[-]
21272-1-M4-M	[-]

<sup>a</sup>Orientation is in reference to the chromosome. Insert in a left-to-right fashion along the chromosome is denoted as "[+]", otherwise, "[-]".

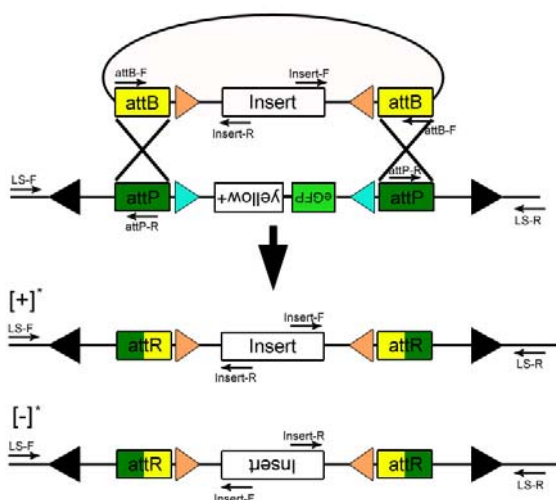


# Remark:

Lane	DNA	Primer	Expected	Result
1	Genomic BDSC#59216	59216.For + attP.Rev	+	~0.69 kb
2	Genomic BDSC#59216	attP.Rev + 59216.Rev	+	~0.55 kb
3	Plasmid 21272-1	attB.For + Gal4.Rev	1.02 kb	Positive
4	Plasmid 21272-1	Gal4.For + attB.For	1.12 kb	Positive
5	Genomic 21272-1-M1-M	59216.For + Gal4.Rev		-
6	Genomic 21272-1-M1-M	Gal4.For + 59216.Rev		-
7	Genomic 21272-1-M1-M	59216.For + Gal4.For		~1.60 kb
8	Genomic 21272-1-M1-M	Gal4.Rev + 59216.Rev		~1.45 kb
9	Genomic 21272-1-M2-M	59216.For + Gal4.Rev		~1.50 kb
10	Genomic 21272-1-M2-M	Gal4.For + 59216.Rev		~1.45 kb
11	Genomic 21272-1-M2-M	59216.For + Gal4.For		-
12	Genomic 21272-1-M2-M	Gal4.Rev + 59216.Rev		-
13	Genomic 21272-1-M3-M	59216.For + Gal4.Rev		-
14	Genomic 21272-1-M3-M	Gal4.For + 59216.Rev		-
15	Genomic 21272-1-M3-M	59216.For + Gal4.For		~1.60 kb
16	Genomic 21272-1-M3-M	Gal4.Rev + 59216.Rev		~1.45 kb
17	Genomic 21272-1-M4-M	59216.For + Gal4.Rev		-
18	Genomic 21272-1-M4-M	Gal4.For + 59216.Rev		-
19	Genomic 21272-1-M4-M	59216.For + Gal4.For		~1.60 kb
20	Genomic 21272-1-M4-M	Gal4.Rev + 59216.Rev		~1.45 kb

# Primers used for PCR

Primer Name	Primer Sequence(5' to 3')
attB.For	GATGTAGGTCACGGTCTCGAAGCC
Gal4.For (Insert-F)	CTAACCGTCCACCCTCTCGTAAC
Gal4.Rev (Insert-R)	GCACGATAGGGCAGTAGGGGT
attP.Rev	GACCCCTACGCCCCCAACTGAGA
59216.For (LS-F)	CATCACCCGATTGGAGCGAC
59216.Rev (LS-R)	ACAGGAGCAGAGCACAGTCG



\* Orientation is in reference to the chromosome. Insert in a left-to-right fashion along the chromosome is denoted as "[+]", otherwise, "[-]"