

Strain: VH7188

Genotype: Imbr-1(hd7180[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP]) III.

Type: Heterozygous

QC Results: PPHP

Deletion: 1876 bp

Flanks: TTGCTTTTACAGATTTAATAACACCAAAT - [deletion] - TGGCTACAAATACCTTGAAATTGTTATTCG

DNA Files: Imbr-1_Deletion.ape, Imbr-1_Wildtype.ape

Primer location and sequences

Primer 1-4 coordinates are from the Deletion ApE file. Primer 5 coordinates are from the Wildtype ApE file.

No	Position	Name	Sequence (5' to 3')
1	1051-1072	Imbr-1-1 SV F	CTTTTGTGGCGAAAGAAACCG
2	2605-2628	pMYO-2 SEC Insertion Primer 2	CAGAACAATGAGTACAGTGTGTGC
3	6140-6161	NeoR SEC Insertion Primer 2	ATCTCCTGTCATCTCACCTTGC
4	8010-8031	Imbr-1-1 SV R	TCGCCTCTAAGGATCTCAATGG
5	2812-2833	Imbr-1-1 WT R	GATACAGGGTAGTCGAGGATGG

PCR products

Product (see figure)	Primer	Product Size	QC Result
{US} - Upstream insertion site	1+2	1578 bp	Pass (Band present)
{DS} - Downstream insertion site	3+4	1892 bp	Pass (Band present)
{WoM} – WT PCR on mutant	1+5	no product, if WT sequence is deleted	Fail (Band present)
{WoM} – WT PCR on wildtype	1+5	1783 bp	Pass (Band present)

PCR Program:

- (1) 94°C - 30 sec
- (2) 94°C - 30 sec
- (3) 60°C - 30 sec
- (4) 72°C - 2 min
- (5) To step (2) x 34 times
- (6) 72°C - 5 min
- (7) 4°C - hold

