

Strain: VH7209

Genotype: taap-1(hd7209[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP]) II.

Type: Homozygous

QC Results: PPPP

Deletion: 1080 bp

Flanks: TTTTAATTTGAAGTTTCCATTAATTCCA - [deletion] - GGGTTTTTCTTCGCAAGATTCACGTTTCGG

DNA Files: taap-1_Deletion.ape, taap-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	1495-1516	taap-1-1 SV F	AGAATGACTCCTGGATTGCTCG
2	3060-3083	pMYO-2 SEC Insertion Primer 2	CAGAACAATGAGTACAGTGTGTGC
3	6595-6616	NeoR SEC Insertion Primer 2	ATCTCCTGTCATCTCACCTTGC
4	9362-9385	taap-1-1 SV R	GCCATCCTAATATGGACTTCCAGG
5	2667-2687	taap-1-1 WT R	ACCAACATCGTGTGACCTACG

PCR products

Product (see figure)	Primer	Product Size	QC Result
{US} - Upstream insertion site	1+2	1589 bp	Pass (Band present)
{DS} - Downstream insertion site	3+4	2791 bp	Pass (Band present)
{WoM} – WT PCR on mutant	1+5	no product, if WT sequence is deleted	Pass (Band absent)
{WoM} – WT PCR on wildtype	1+5	1193 bp	Pass (Band present)

PCR Program:

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

