

Strain: VH7186

Genotype: `algn-5(hd7175[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP]) V.`
Type: Heterozygous
QC Results: PFHP
Deletion: 1325 bp
Flanks: `TCCAAAAAATCAATATCTTCACCATTTTCA - [deletion] - TGGAGCTACAAAATTCGCCGATTTTGAAAA`
DNA Files: `algn-5_Deletion.apc`, `algn-5_Wildtype.apc`

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	1354-1374	algn-5-1 SV F	AGCATGCTTAGTACCTGCTGC
2	2786-2809	pMYO-2 SEC Insertion Primer 2	CAGAACAATGAGTACAGTGTGTGC
3	6321-6342	NeoR SEC Insertion Primer 2	ATCTCCTGTCATCTCACCTTGC
4	8837-8858	algn-5-1 SV R	ACCCTTCGATTTTCAGTCCATCG
5	2541-2562	algn-5-1 WT F	CCGACGAAACGGCTGATATAGT

PCR products

Product (see figure)	Primer	Product Size	QC Result
{US} - Upstream insertion site	1+2	1456 bp	Pass (Band present)
{DS} - Downstream insertion site	3+4	2538 bp	Fail (Band absent)
{WoM} – WT PCR on mutant	5+4	no product, if WT sequence is deleted	Fail (Band present)
{WoM} – WT PCR on wildtype	5+4	2226 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

