

Strain ID	MT1240
Strain Name	sp7 [^] TAL1

Mutated Gene	sp7 (specificity protein 7)
Linkage Group	LG5
GenBank Accession No. for cDNA	XM_011474867
Nucleotide Change (WT > MT)	AGGATCC>del
Location of mutated nucleotide in wild-typegenomic sequence	CTTTCAGACCTCAGTCTCCC(AGGATCC>-----))GTCTCTTCTCGTGTCCAA

Forward primer sequence (5'-3')	TTTACTCCCTTGTCTCACC	
Reverse primer sequence (5'-3')	GGAAGACGTAGAGTTAGCTG	
PCR Product Size (bp)	MT	510
	WT	517
PCR Reaction Conditions	KOD Plus (TOYOBO)	
Thermocycler Program	95 °C 2 min (95 °C, 30 sec, 58 °C 30 sec, 68 °C 30 sec) x 30	
PCR Product Sequence (WT)	TTTACTCCCTTGTCTCACCAGGAAGACACTCGCTATG GCTCCAGTCCTCTGGCTATGTAACTGCTACCTGTAAC AAATTTGGCAGCACCAGCCCTGTCAGGGATTCGGCTAC ACCAGATAAGACCGGCAGCACCCTCAAGTAAAGAAGC CATACGCCATGGCCTCTGACCTTCAAACAGCTAAAATC GGGCGGACGACAGACGCCAGTGGCCTGGCGGACTCCT ACACTGGCTCCTTACCACAGCTGGAGGAGGTGGCGGT GGGCTGCTTACTCCATCTGGAAGCCCCCTTCTTACAGC TGGAGGCTACTCGACAGAATATAACCCCTTCTCCCACT CTTTCAGACCTCAGTCTCCCAGGATCCGTCTCTTCTC GTGTCCAAAGCCCACGCCACAGCCGACTGCCTCAGCA GCGTGTACACCTCGCTGGATATGACACACCCTTACGGC TCCTGGTACAAAGCTGGAATCCACCCCGGCATAACTTC TGCCCAGCTAACTCTACGTCTTCC	

Restriction enzyme(s)	BamHI	
Restriction digestion product sizes (bp)	MT	510
	WT	364, 153