University of Arizona Genetics Core - Mouse Genotyping Service

Available pre-validated assays (created on 16 may 2012)

Region of Interest	Assay Name	Wildtype Primer	WT Amplicon Size	Mutation Primer	MUT Amplicon Size	Reverse Primer
TTN Titin	AI	gtgtcagtgagccatctgaa	268	gatggtatgccatcttcacc	419	gccatctttatgccagctca
Exon55 of Nebulin Gene	Exon55(Neb55)	ccagattactctgctggcaaatg	325	acacgcgtcaccttaatatgc	504	gaaaggaactctgtcctctgg
TTN Titin	IG	gaacggtgtggagatcaagt	320	cactagcaggaacatgtgtc	268	gcagctacccatatcatagc
TTN Titin	N2B	ggttaacagcatcccattaaaga	388	agtgaattgcggggaaattatta	238	aatctcaccacaaccttattcca
Nebulin	Nebulin	ctgagacgcccaggcaaaag	384	cgaattcgccaatgacaagacgctgg	486	gaaacctgtggacctctgtgaagatcag
TTN Titin	PEVK	tgtgctgtgaacattgatactgagg	382	gtgttttcacaaagcgcacaggaag	273	cttttaagagcactgaacaggaaat
RNA binding motif protein 20	RBM20	caggtgaaaaacaggtcacca	455	tgttcgaattcgccaatgac	499	atatctgcacccatgtttagtttcc
Sarcolipin	Sarcolipin	agttagttctctctttcctccc	260	caaaaccaaattaagggcca	454	aacaagccttcctcctctctc
Fibrillin	1039	tgtaaaacgacggccagtgcaagatga tacccagcctct	243	gcaagatgatacccagcctcg	225	aacagcaggaagcagtgaca
Transforming growth factor Beta	MgR	actgctgctcacacagcatc	596	gctatcaggacatagcgttgg	723	agtccaccaaagaggcaaga
Transforming growth factor Beta1	TGFBeta1	gagaagaactgctgtgtgcg	134	tctggattcatcgactgtgg	261	gtgtccaggctccaaatatagg
Transforming growth factor Beta2	TGFBeta2	aatgtgcaggataattgctgc	132	ttctggattcatcgactgtg	388	aactccatagatatgggcatgc
Transforming growth factor Beta3	TGFBeta3	tgggagtcatggctgtaact	401	gttggctacccgtgatattg	184	cactcacactggcaagtagt
Calcineurin A beta	CNAB	aacgtttccagtgaactttcc	198	catcggtgctgtccatct	391	tgattcagcaagtattcattcc
fibroblast growth factor 2	FGF	gtccttgaagtggcctggt	498	gccagaggccacttgtgtag	247	ctccccagttcagaccctct
Recombination activating gene 1	Rag1	tggatggagtcaacatctgc	244	attaagggccagctcattcc	368	aattccatgctgatgggaag
Recombination activating gene 2	Rag2(Grag)	taagagtggaccttcccctg	198	gttgtgcccagtcatagccg	393	atttcaatcgtgttgtcccc
Fibroblast growth factor 2	HMW(KO2)	cccaagagctgccacag	166	gggtcccctagtc	146	cgccgttcttgcagtagag
Fibroblast growth factor 2	LMW	cccaagagctgccacag	129	cgcggaagggctgca	122	gccgcttggggtccttg
		cgcggaagggccatg	152			
Transforming growth factor Beta	Ova	no amplicon	-	caactgtgagtctggttcctttaccaa	273	gctgtaatcagactaataaccacaacaac
Smad3 and Transforming growth factor Beta	Smad3	tgttgaaggcaaactcacagagc	130	gcgataccgtaaagcacgaggaag	210	
		ggatggtcggctgcaggtgtcc		cggcgaggatctcgtcgtgaccca		
MEKK1 Mitogen activated protein kinase kinase	HCM(R403Q)	no amplicon(internal control used)	-	ccaggtcaacaagctgcgg	254	tgtggtgtaaatagcaaagc
LPL lipoprotein lipase	AW(mck-LPL)	no amplicon(internal control used)	-	gagatttctctgtatggcacc	276	ctgcaaatgagacactttctc
Interleukin 6	IL6	ttctcatttccacgatttcccag	174	ccggagaacctgcgtgcaatcc	380	ttccatccagttgccttcttgg