

Available pre-validated assays (last updated Oct 2014)

Regions of Interest	Assay Name	Apx. WT amplicon size	Apx. MUT amplicon size
Fibrillin	1039	243	225
TTN Titin	AI, IG, N2B, PEVK	varies	varies
Apc with LoxP sites flanking Exon 14	APC	321	426
Apolipoprotein E	ApoE	155	243
LPL lipoprotein lipase	AW(mck-LPL)	internal control	276
Cre-activated BRAf mutant allele	Braf	185	306
ankyrin repeat domain 1	CARP	317	267
cadherin 1	Cdh1	242	334
Calcineurin A beta	CNAB	198	391
conditional nebulin	cNEB	122	377
DEREG mice have DTR-eGFP expression in fully functional Foxp3+CD4+ regulatory T cell	DeReg	internal control	370
Ella-Cre	Ella-Cre	internal control	100
Exon 55 of Nebulin Gene	Exon55(Neb5), DeltaN	varies	varies
fibroblast growth factor 2	FGF	498	247
lymphocytes RFP expression	Foxp3-RFP	510	470
c-Myc and Notch1 for proteasomal degradation	Fxbw7	315	497
H2B2	H2B2	internal control	366
MEKK1 Mitogen activated protein kinase	HCM(R403Q)	internal control	254
Fibroblast growth factor 2	HMW(KO2), LMW	varies	varies
Interleukin 6	IL6	174	380
Cdkn2a	Ink4a/ARF	250	350
KBTD13	Kelch	316	542
KRAS	KRAS2	450	327
leucine rich repeat containing G protein coupled receptor 5; targeted mutation 2	Lgr5:DTR	420	310
abolishes <i>Lgr5</i> gene function and expresses EGFP and CreERT2 fusion protein	Lgr5:ERT2	298	174
Transforming Growth Factor Beta	MgR, Ova	varies	varies
<i>loxP</i> sites flanking exon 12 of the mutS homolog 2	Msh2	211	400
two-color fluorescent Cre reporter allele	mTmG	330	250
Nebulin	Nebulin	384	486
p53	p53-Flox, p53-R172H, p53-R270H	varies	varies
Pxd-1 promoter	PDX	internal control	650
p110 α subunit of PI3K	pik3ca	553	600, 372
nerogenesis	Pten	156	328
Recombination activating gene 1	Rag1	244	368
Recombination activating gene 2	Rag2 (GRAB)	198	393
RNA binding motif protein 20	RBM20	455	499
LacZ	RosaLacZ	340	650
Sarcolipin	Sarco	260	454
SMAD3 and transforming growth factor Beta	SMAD3	130	210
Smad4	SMAD4	436	500
Transforming Growth Factor Beta1	TGFBeta1	134	261
Transforming Growth Factor Beta2	TGFBeta2	132	388
Transforming Growth Factor Beta3	TGFBeta3, 409Y	varies	varies
YFP in high levels in motor and sensory neurons	YFP	internal control	415