

Master Protocol

Cancel

* Master Protocol: Rmnd5b^{em1J}JR # 029007 - C57BL/6NJ-Rmnd5b^{em1J/J} (public)* Allele: Rmnd5b^{em1J}

* Method: MELT

Version: 2.0

Master Protocol Public/Private: Public

Created: 23-DEC-2016 by WOODJ Updated: 23-DEC-2016 by WOODJ

Expected Results

Mutant = 173 bp
Heterozygote = 173 bp and 227 bp
Wild type = 227 bp

Uploaded Attachments

Filename	Image
29007.JPG	
29007.jpg	
Rmnd5b HRM.JPG	

Protocol Primers

Primer	5' Label	Sequence 5' -> 3'	3' Label	Protocol Primer Type	Primer Note	Reaction	Public Note
27453	-	CGG TGA GTT AGA GGC CAG TC	-	-	Common F	-	-
27454	-	GCA GAC TGT GTC AGG AGC AG	-	-	WT R	-	-
27455	-	CGC AGA TCT CAG AGT CGA AGT	-	-	Mut R	-	-

Number Of Reactions 1

Reaction A (3 primer)		Cycling (TouchDown 65-60_12-12-11)			
Component	Final Concentration	Step #	Temp°C	Time	Note
ddH2O		1	94	2 min	-
Kapa 2G HS buffer	1.3 X	2	94	20sec	-
MgCl2	2.6 mM	3	65	15sec	-0.5 C per cycle decrease
dNTP KAPA	.26 mM	4	68	10sec	-
:27453	.5 uM	5	-	-	repeat steps 2-4 for 10 cycles (Touchdown)
:27454	.5 uM	6	94	15sec	-
:27455	.5 uM	7	60	15sec	-
Glycerol	6.5 %	8	72	10sec	-
		9	-	-	repeat steps 6-8 for 28 cycles
Reaction A (3 primer)		Cycling (TouchDown 65-60_12-12-11)			
Dye	1 X	10	72	2 min	-
Kapa 2G HS taq polymerase	.03 U/ul	11	10	-	hold
DNA					