

MMRRC UNC – Genotyping Protocol

MMRRC Strain ID	41572
MMRRC Strain Name	C57BL/6-Tg(APOE-SCARB1*)13Arem
Gene Name(s)	homo sapiens scavenger receptor class B, member 1, mRNA (SCARB1)
Breeding Protocol(s)	Random Intra-Strain Mating
Protocol Date	10/10/16

MMRRC #41572 PCR Reaction

Thermal Cycler:

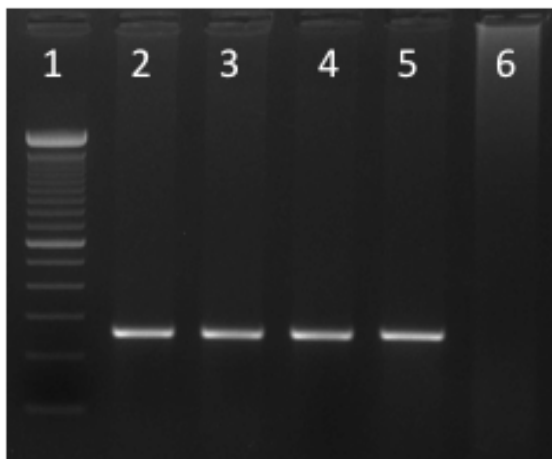
Step 1: 94°C for 5 min
 Step 2: 94°C for 30 sec
 Step 3: 58°C for 30 sec
 Step 4: 72°C for 30 sec
 Step 2 to 4 Cycles: 30
 Step 5: 72C for 7 min

	<u>1X</u>
ddH ₂ O	13
5X Buffer	5
25mM MgCl ₂	2
10mM dNTPs	0.5
10uM Primer 1	1
10uM Primer 2	1
Taq	0.5
DNA	2

Taq: **Apex Taq and Chromataq 5X Buffer**

Bands: WT: No Band
 MUTANT: 256bp

Primer sequences 5' to 3': Primers are 10uM with respect to each primer
 Scar(41572)F: TTT GCA GAG AGC GGG GCC AT
 Scar(41572)R: GCT GTC TGC TGG GAG AGT CC



1. 100bp Marker (Invitrogen)
2. Mutant Sample
3. Mutant Sample
4. Mutant Sample
5. Mutant Sample
6. Wild-type Sample

