PCR: ADAR1 +/-

Amplifluor: No

Primers

Nucleotide sequence (5` --> 3`)

Primer	Sequence
mDra127	CCTGCACATGCCGTGATCAGC
mDra128 (3.3uM)	GGGTGGACAAGTACCACCTG
PGKterm5	TAGATCTATAGATCTCTCGTGGGATC

Reagents

Reagents/Constituents	Commercial name	Stock Concentration	Volume (µL)
DNA Sample			
10x Buffer			
dNTPs			
Primer: **mDra127**			
Primer: **mDra128 (3.3uM)**			
Primer: **PGKterm5**			
Water			
Taq Polymerase			

Comments on protocol: we use a primar mix of 10uM:3.3uM:10uM (1ul per reaction) in a 10ul PCR using Bioline MyTaq Red polymerase mix. 1ul of gDNA per reaction

Strategy

Steps	Temp (°C)	Time (seconds)
Hot start: **No**		
Initiation/Melting	94.0	300
Denaturation	94.0	20
Annealing	55.0	30
Elongation	72.0	30
Number of cycles (repeat denature, anneal & elgonate): **35**		
Strand completion (i.e. 72°C, 10 min)	72.0	300
Finish (i.e. 4°C, indefinite)		

Electrophoresis

Running buffer:	1 x TBE in 2-3% agarose
% Agarose:	
Volt:	
Estimated running time (min):	

Bands

Number	Band (bp)	Genotype
1.	235	WT
2.	350	KO