

Genotyping protocol

EMMA ID: EM:10786

Gene symbol: Tg(DBH-Adra2a)#

Strain designation: B6NCrl-Tg(DBH-Adra2a)#/Oulu

Primers:

Primer name	Primer sequence (5'- 3')
hDBHsense	ACA AAT GTG ATT ACC CGT GC
hDBHantisense	GGT ACA TGG ATC CTC TAG AGT

Products:

Allele	Primer 1	Primer 2	Product size (bp)
Transgene	hDBHsense	hDBHantisense	362

Reaction mix:

Component	Volume (μl)
Genomic DNA (~50-100 ng)	2.0
Primer 1 (10 μM)	1.5
Primer 2 (10 μM)	1.5
10x Buffer (15 mM MgCl ₂)	3.0
MgCl ₂ (25 mM)	1.0
dNTPs (25 mM)	0.25
DNA polymerase (5 U/μl)	0.1
H ₂ O	20.65
Total	30.0

PCR program:

Time	Temperature (+ °C)	Cycles
3 min	96	
30 sec	96	35
30 sec	58	
2 min	72	
10 min	72	
∞	10	