

# Genotyping protocol

EM:13209

## B6N.Cg-Slc6a3tm1(cre)Lrsn/Kctt

### Primers

Dat-cre 3F	5' CAT GGA ATT TCA GGT GCT TGG 3'
Dat-cre R1	5' ATG AGG GTG GAG TTG GTC AG 3'
Dat-cre R2	5' CGC GAA CAT CTT CAG GTT CT 3'

### PCR profile

95 °C, 3 min	
95 °C, 30 s	30 cycles
58 °C, 45 s	
72 °C, 45 s	
72 °C, 7 min	
4 °C, ∞	

### PCR mix

10 x PCR Buffer II (Life technologies)	2.0 µl
MgCl <sub>2</sub> (25 mM)	1.2 µl
dNTP mix (25 mM of each nucleotide)	0.16 µl
Dat-cre 3F (100 µM)	0.1 µl
Dat-cre R1 (100 µM)	0.1 µl
Dat-cre R2 (100 µM)	0.1 µl
AmpliTaq Gold (5 U/µl)	0.13 µl
DNA template (~ 0.5 µg tail DNA)	1.0 µl
H <sub>2</sub> O	<u>15.21 µl</u>
	20 µl

### Post-PCR analysis

1.5% agarose gel.  
 Expected pattern is wt:311bp, mut:474bp