

pA1b-hHGF-Tg (M-NSG) Genotyping Protocol



Common Name	pA1b-hHGF-Tg (M-NSG)	Cat. NO.	NM-TG-234271
Strain of Origin	M-NSG	Version	V1

Primers

Primer	Sequence (5' → 3')	Primer type
P1	CTTCTTTGGTTGGCATTTCAGGT	Forward
P2	TGCGGTAAGTGTCACCTGATTTTG	Reverse
P3	TGACGCATGTGTTTTATCGGTC	Forward
P4	TGATCCCAGCGCTGACAAAT	Reverse

Expected results

Results	P1P2 3.9kb P3P4 1.9kb
Genotype	Positive: P1P2 =3.9 kb; P3P4 =1.9 kb; Negative: No band.

Reaction &Cycling

PCR Reaction System	ddH2O			Volume (μl)
	2xPCR Buffer			8.05
	P1 (10 pmol/μl) or P3 (10 pmol/μl)			10
	P2 (10 pmol/μl) or P4 (10 pmol/μl)			0.3
	KOD-Multi&Epi-*			0.3
	Genomic DNA			0.35
	Total			1
	KOD-Multi&Epi- (TOYOBO, Code No: KME-101)			
Cycling Reaction	Step	Temp	Time	Note
	1	94° C	3 min	
	2	98° C	20 sec	
	3	63° C	20 sec	
	4	68° C	4 min	repeat steps 2-4 for 35cycles
	5	68° C	5 min	
	6	12° C	Hold	