

RBRC 00673

Strain name B6.Cg-Stam^{tm2Sug} Stam2^{tm1Sug}/SugRbrc

[illegible]

Reaction Components

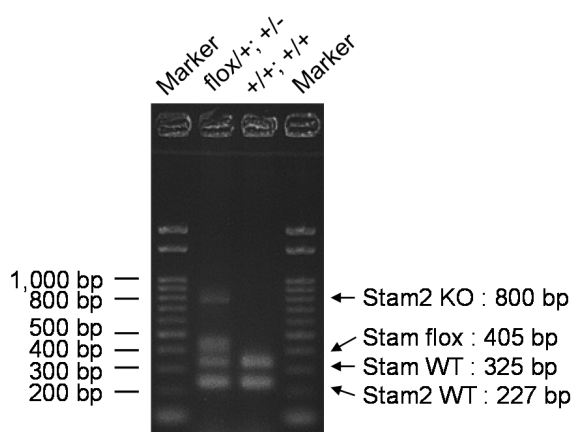
Enzyme	QIAGEN Multiplex PCR Kit (Cat. No. 206143)
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Reaction Conditions

[illegible][illegible]

Marker Gene Ladder 100 (Wako, Cat. 316-06951)

Gel	2% agarose in 1 X TAE (100 V, 30 min)
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primer_set		product_size	product (allele type)
primer 1	primer 2	325 bp	WT (Stam)
primer 1	primer 2	405 bp	flox (Stam)
primer 3	primer 4	227 bp	WT (Stam2)
primer 4	primer 5	800 bp	KO (Stam2)

Comment Standard PCR

RBRC 00673

Strain name STAM1^{flox}mice

Primer	primer_name	primer_seq	length	Reference
1	(S1)LH-2	CGGGACCAGAGGAAAAGCACCTGTCAC	27	Mol. Cell. Biol., 21, 3807-3819 (2001).
2	(S1)Wild-1	ATCAGTGTACAAATGGGAAGGTATTAT	27	Mol. Cell. Biol., 21, 3807-3819 (2001).
3	(S2)Wild-5'	GCCATAATGAAAAGGGTAAACCATAAGGTC	30	Depositor's primer
4	(S2)Wild-3'	AATCACGGGAACATACTTCTAAATGAAATA	30	Depositor's primer
5	(S2)mt-5'	TTCTAAGTACTGTGGTTTCCAAATGTGTCA	30	Depositor's primer

Reaction Components

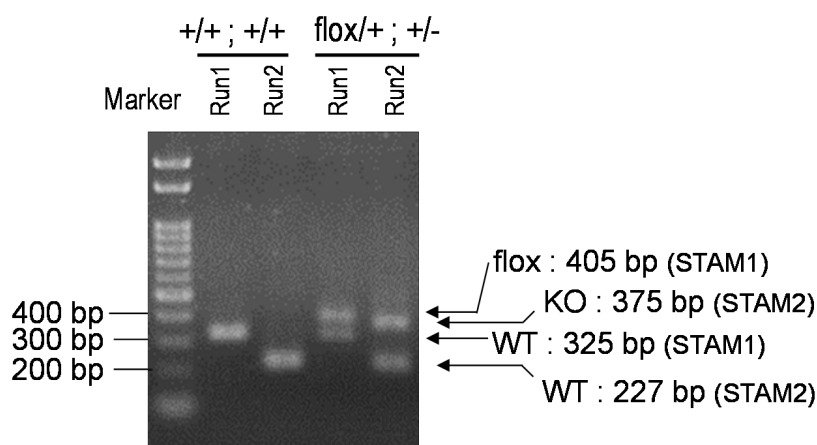
Enzyme	TOYOBO KOD FX (Code.No : KFX-101)
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Reaction Conditions

step	temp (°C)	time (sec)	note
1	94	120	
2	98	10*	
3	63	30*	
4	68	60*	*Repeat for 30 cycles

Reagent	Conc	Reaction 1	2	3	4
H2O		2.8	1.8		
PCR buffer	2 X	10.0	10.0		
dNTP	2.0 mM	4.0	4.0		
primer 1	10 pmol/ μ l	1.0	0		
primer 2	10 pmol/ μ l	1.0	0		
primer 3	10 pmol/ μ l	0	1.0		
primer 4	10 pmol/ μ l	0	1.0		
primer 5	10 pmol/ μ l	0	1.0		
DNA		1.0	1.0		
Taq	1 U/ μ l	0.2	0.2		
total		20	20		

Marker	Gene Ladder 100 (Wako, Cat. 316-06951)
Gel	2% agarose in 1 X TAE (100 V, 30 min)



primer_set	product_size	product (allele type)
primer 1	primer 2	325 bp
primer 1	primer 2	405 bp
primer 4	primer 5	227 bp
primer 6	primer 5	375 bp

Comment [Standard PCR](#)

Novagen KOD Xtreme™ Hot Start DNA Polymerase can be purchased from EMD.