



Sheet ID PS_08220
Release date : 11/10/2021
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Strain name B6D2-Ddx3y^{sb}

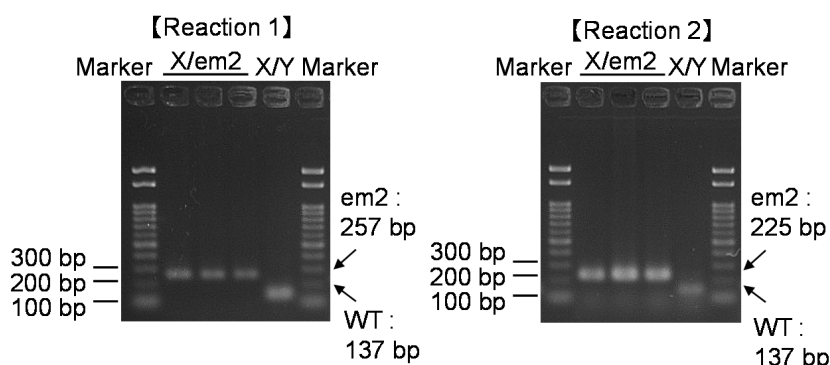
Primer	primer_name	primer_seq	length	Reference
1	5-1 WT	GGTCTGTGATAAGGACAGTTCAGG	24	RIKEN BRC
2	5-2 WT	GAATATACCTTCCCCTGGATCCACTTC	27	RIKEN BRC
3	Ddx3y-F	CATGCCCTCATCTCAATATCCCATAAGGT	29	J. Reprod. Dev., 65(2):121-128 (2019).
4	5-1 MT 10 bp del	TTATCTTTACTACAGCTCCATCCTTATC	28	RIKEN BRC
5	5-2 MT 6 bp del	CAATTATTTCAGTGATCGTGGATCCAG	27	RIKEN BRC
6	Ddx3y-R	GGATAGCCATTGTTGGACTAGTTGGACA	28	J. Reprod. Dev., 65(2):121-128 (2019).

Enzyme	TOYOBOKOD FX (Code.No : KFX-101)
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Reagent	Conc	Reaction 1	2	3	4	
H ₂ O		0.8	0.8			(μ L)
PCR buffer	2 X	10.0	10.0			
dNTP	2.0 mM	4.0	4.0			
primer 1	10 pmol/ μ l	1.0	1.0			
primer 2	10 pmol/ μ l	1.0	1.0			
primer 3	10 pmol/ μ l	1.0	0			
primer 4	10 pmol/ μ l	1.0	0			
primer 5	10 pmol/ μ l	0	1.0			
primer 6	10 pmol/ μ l	0	1.0			
DNA		1.0	1.0			
Taq	1 U/ μ l	0.2	0.2			
						Mark
						Gel
	total	20	20			

[illegible]

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	137 bp	WT	Reaction 1 X/Y: 137 bp X/em2: 257 bp
primer 3	primer 4	257 bp	em2	
primer 5	primer 6	225 bp	em2	
				Reaction 2 X/Y: 137 bp X/em2: 225 bp

Comment Standard PCR

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