

RBRC 06514

Strain name STOCK Dock5<Gt(AN0268)Wtsi>/Shigm

Primer	primer_name	primer_seq	length	Reference
1	Dock5-WT-F	GATGAGAGCAAGGAGAACCGCATG	24	Proc. Natl. Acad. Sci. USA, 105, 15446-15451 (2008).
2	Dock5-WT-R	GCCAGGGCATTTCCTTCACTTACC	24	Proc. Natl. Acad. Sci. USA, 105, 15446-15451 (2008).
3	lac Z	GCGGATTGACCGTAATGGGATAGG	24	Biochem. Biophys. Res. Commun., 236, 313-322 (1997).

Reaction Components

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

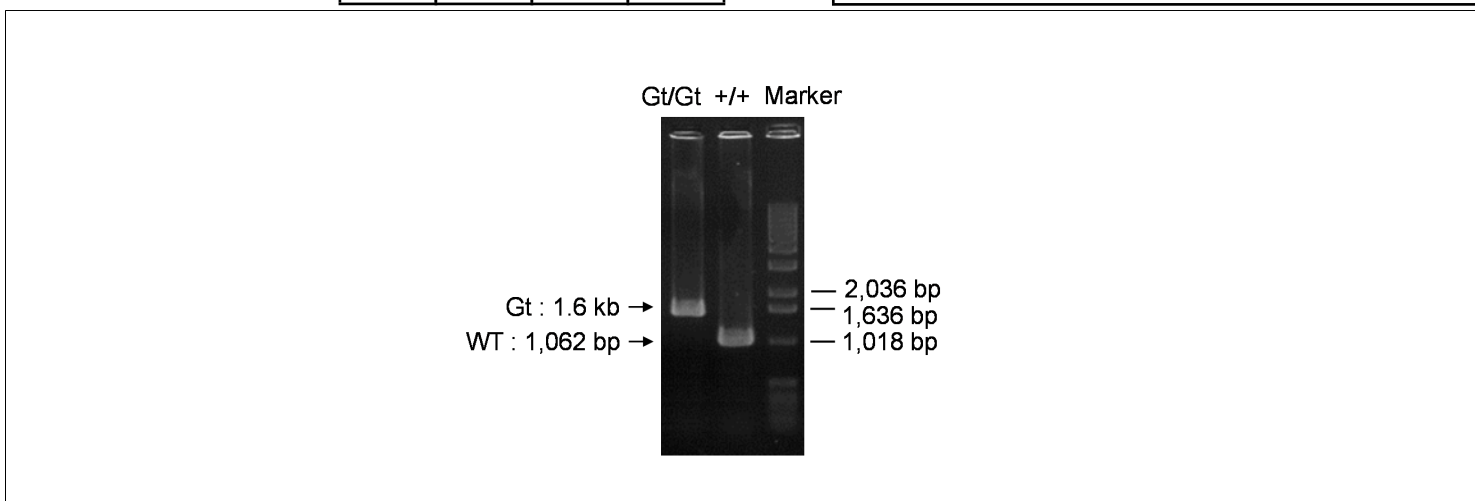
Reaction Conditions

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

Reagent	Conc	Reaction 1	2	3	4	(μL)
H2O		1.8				
PCR buffer	2 X	10.0				
dNTP	2.0 mM	4.0				
primer 1	10 pmol/μl	1.0				
primer 2	10 pmol/μl	1.0				
primer 3	10 pmol/μl	1.0				
DNA		1.0				
Taq	1 U/μl	0.2				
total		20				

Marker 1 kb DNA ladder (Invitrogen, Cat. 15615-024)

Gel 1% agarose in 1 X TAE (100 V, 30 min)



primer_set	product_size	product (allele type)
primer 1	primer 2	1,062 bp WT
primer 1	primer 3	1.6 kb Gt

Comment [Standard PCR](#)

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