

# PCR protocol

RBRC 00968

Strain name VA T-bet line789

Primer	primer_name	primer_seq	length
1	T-bet 931-913	AGCCCCCTTGTGTTGGTG	19
2	T-bet 773-791	CGGTACCAGAGCGGCAAGT	19

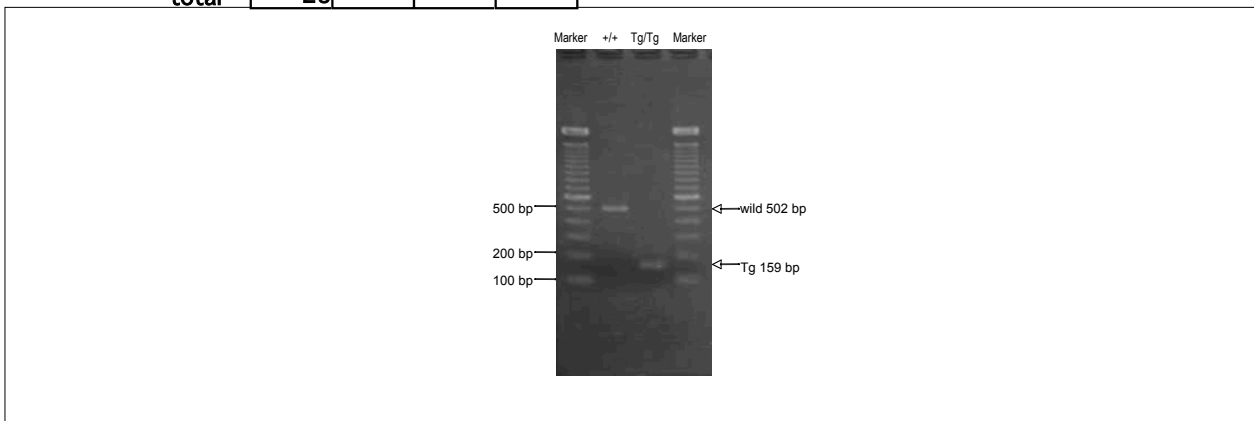
**Reaction Components**

Enzyme Roche Taq (Cat. No. BM1418432)

**Reaction Conditions**

Conc	Run 1	Run 2	Run 3	Run 4
H2O	17.3			
PCR buffer	2.5			
dNTP	2.0			
primer 1	1.0			
primer 2	1.0			
DNA	1.0			
Taq	0.2			
<b>total</b>	<b>25</b>			

step	temp (°C)	time (sec)	note
1	94	300	
2	94	30*	
3	64	40*	
4	72	30*	*Repeat for 30 cycles
5	72	300	



**Marker**  
100 bp ladder (Invitrogen, Cat. 15628-050)

**Gel**  
2% agarose in 1 X TAE (100 V, 30 min)

PCR products		product_size	product
primer_set	primer_set	product_size	product
primer 1	primer 2	159 bp	Tg
primer 1	primer 2	502 bp	wild

Comment