

		Genoty	ping Report		Co. K.K.
Strain ID	T019410	Strain Type	CKO(Cas9)	Genetic Background	C57BL/6JGpt
Designer	Ya'nan X	u Gene Name		Cdh4	с.
. Strategy of	Genotyping	ter inde		armate	
	F1 → ①5'a	rm <del>▲</del>	F2 23	3'arm 🔫	)
//				//	

Wild type: ①PCR reaction obtains a single WT band; ②PCR reaction obtains a single WT band. Heterozygote: ①PCR reaction obtains a WT band and a Targeted band; ②PCR reaction obtains a WT band and a Targeted band. Homozygote: ①PCR reaction obtains a single Targeted band; ②PCR reaction obtains a single Targeted band. Note: The sizes of WT and Targeted band are shown below.

Primer

(1) (2) PCR Reaction Number -

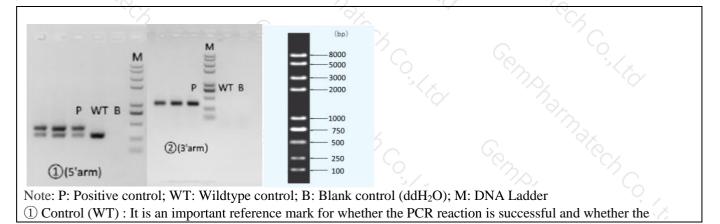
- Sequencing Region

## 2. Primer Information

Loxp

PCR No.	Primer No.	Sequence	Band Size	
1)(5'arm)	T019410-F1	CATGTAAGCTGTGACAGAGAAATTGC	ATTGC WT:304bp	
	T019410-R1	GGTAACCAAATTGTCAAGCCCTC	Targeted:406bp	
2)(3'arm)	T019410-F2	CATCGCATTGTCTGAGTAGGTG	WT:0bp Targeted:332bp	
	T019410-R2	CACACCTGTCCTACAAGCTATTCC		

## 3. Gel Image & Conclusion





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product band position and size meet the theoretical requirements.

<sup>(2)</sup> Control (B) : PCR amplification was performed without template in the PCR reagent to monitor whether the reagent was contaminated.

## 4. PCR Condition

PCR Reaction	Component		M. M			
Seg.	reaction c	reaction component				
$1^{\gamma}$	2 × Rapid Taq Master Mix (Vazym	2 × Rapid Taq Master Mix (Vazyme P222)				
2 73	ddH2O		9.5			
3	Primer A(10pmol/µl)	. ···	1			
1	Primer B(10pmol/μl)	Primer B(10pmol/µl)				
5	Template(≈100ng/µl)	Template(≈100ng/µl)				
PCR program (	① priority selection	$\sim$				
Seg.	Temp.	Time	Cycle			
1	95°C	5min	(13mg)			
2 6	98°C	30s	20×			
3 <sup>N</sup> S,	65℃*(-0.5℃/cycle)	30s				
1 7	72°C	45s*				
5	98°C	30s	20×			
5 6	55℃*	30s				
	72°C	45s*	o) ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~			
3	72°C	5min	Dr. S/x			
9	10°C	hold				
PCR program (	② the second choice	Tax Con	2 <sup>9</sup> 2			
Seg.	Temp.	Time	Cycle			
1 24	95℃	5min	and its			
2	98°C	30s	35×			
3	58°C*	30s	30			
4 6	72°C	45s*				
5 7/	72°C	5min	$\gamma_{\mathcal{A}_{\mathcal{L}}}$			
6	10°C	hold	ng.			

Note\*: Annealing temperature and extension time can be determined according to the actual amplification situation and amplification enzyme efficiency.