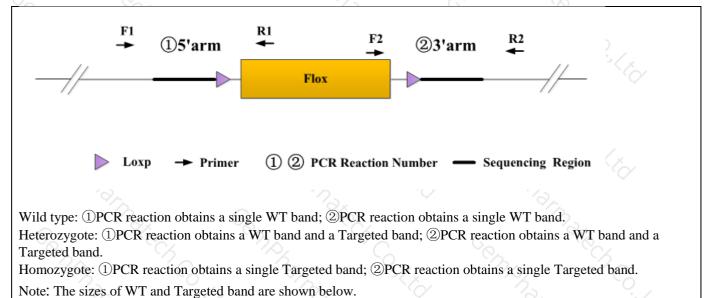


		Genotyp	ing Report		Co ~<×
Strain ID	T010935	Strain Type	CKO(Cas9)	Genetic Background	C57BL/6JGpt
Designer	Ya'nan Xu	Gene Name	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Sema3g	6
Strategy of	Genotyping			13Mm	

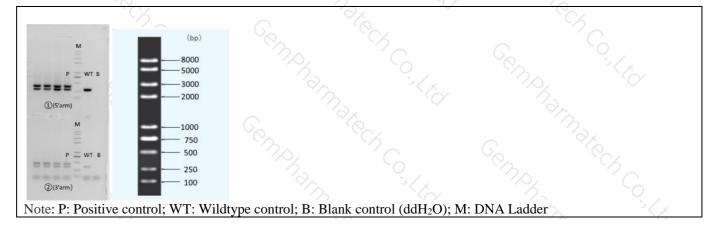
5. J



2. Primer Information

PCR No.	Primer No.	Sequence	Band Size	
(1)(5'arm)	T010935-F1	GGAGAATGTCATTTGTCCACAGC	WT: 306bp	
	T010935-R1	CTTGGTCTTTCATCTGACAACTCCC	Targeted:411bp	
@(3'arm)	T010935-F2	GTTCTCGTGGCAAATAGCGACTAG	WT: 346bp	
	n) T010935-R2 CCTGTGATATGAAGGTGTCATCTGC		Targeted:452bp	

3. Gel Image & Conclusion





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① Control (WT) : It is an important reference mark for whether the PCR reaction is successful and whether the product band position and size meet the theoretical requirements.

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

4. PCR Condition

	Contraction Contraction	Contra Maria	
4. PCR Condition		÷	and set
PCR Reaction Component		2.	Valuma (ul)
Seg.	reaction component 2 × Rapid Taq Master Mix (Vazyme P222)		Volume (μl) 12.5
1	ddH2O	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	9.5
2			· 25 · · · · · · · · · · · · · · · · · ·
3	Primer A(10pmol/µl)	×	1 %
4	Primer B(10pmol/µl)	°C/	1 7
5	Template(≈100ng/µl)		1 0
PCR program ① pri	ority selection	s/x	$\gamma_{S,}$
Seg.	Temp.	Time	Cycle
1	95℃	5min	Mar
2	98°C	30s	20×
3	65℃*(-0.5℃/cycle)	30s	K. G.
4 <u></u>	72°C	45s*	and it
5	98°C	30s	20× 20×
6	55°C*	30s	~ ~~~~
7	72°C	45s*	
8	72°C	5min	B. CA
9	10°C	hold	
PCR program $ extsf{@}$ th	e second choice	Co no	20
Seg.	Temp.	Time	Cycle
1 73%	95°C	5min	Marco Marco
2	98°C	30s	35×
3	58°C*	30s	
4 75,	72°C	45s*	
5	72°C	5min	na la
6	10°C	hold	1 m 2
6	10°C	hold	173 ₆₀

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



