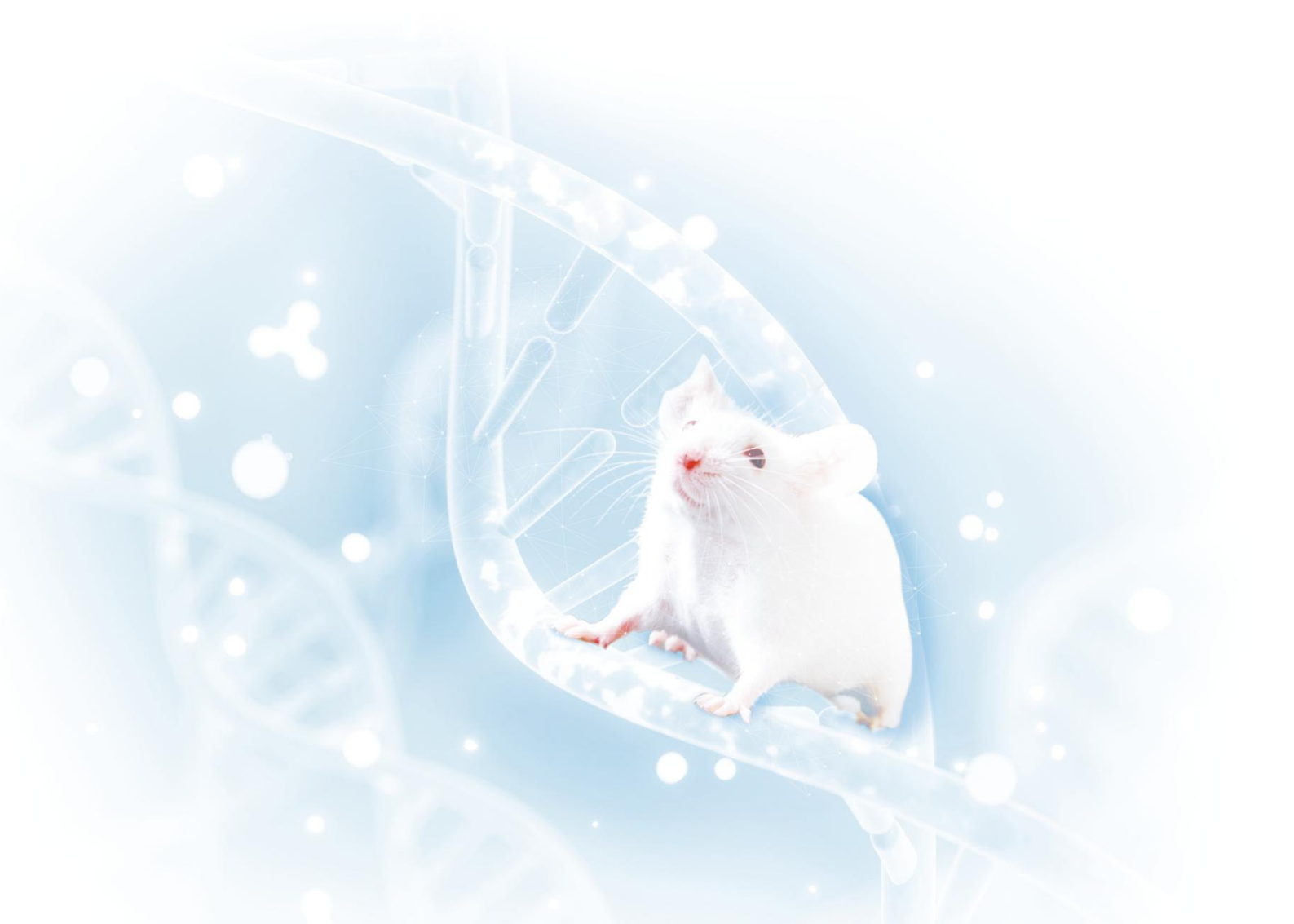


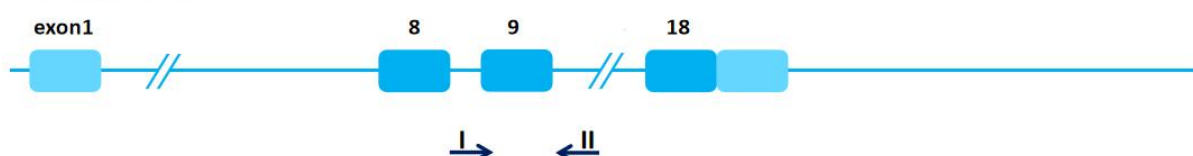
Fgfr3-G374R Genotyping Protocol



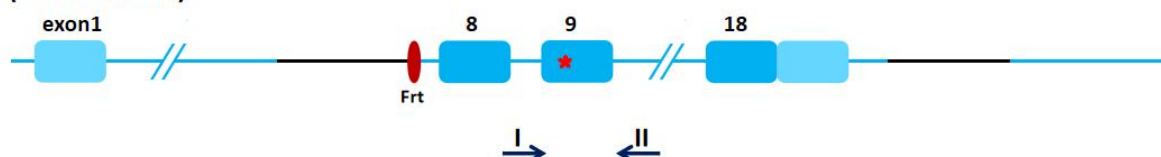
Common Name	<i>Fgfr3-G374R</i>	Cat. NO.	NM-KI-232354
Strain of Origin	C57BL/6J	Version	V1

Genotyping strategy

Wild type allele



Targeted allele (Neo Removed)

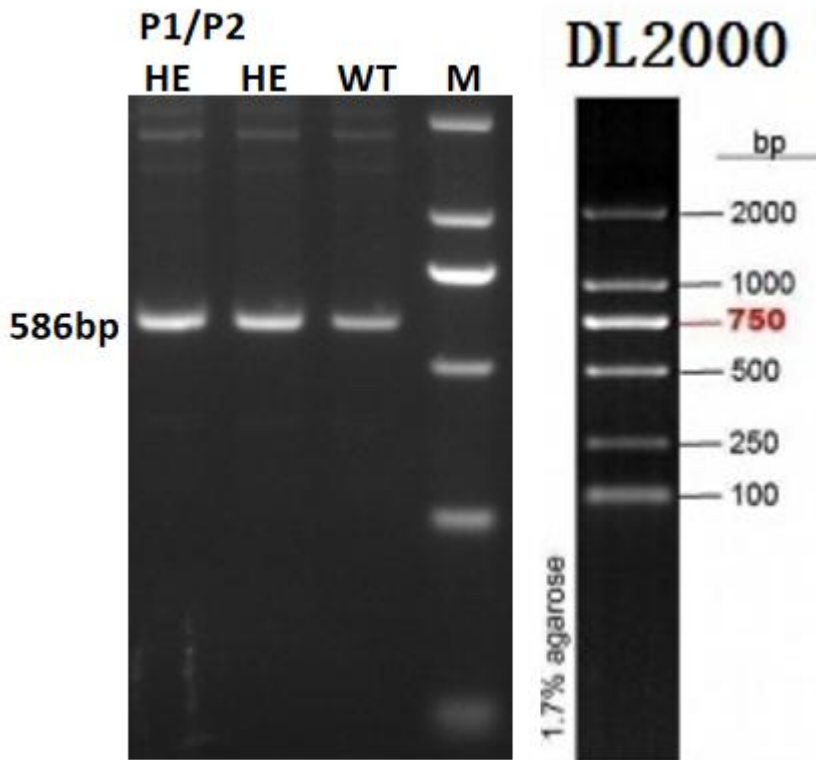
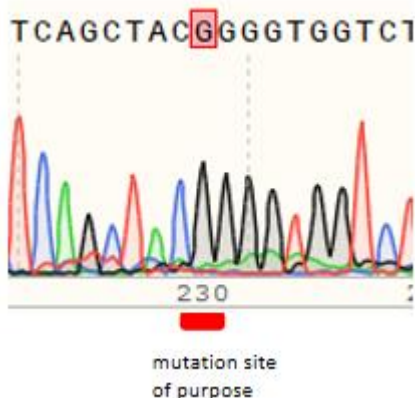


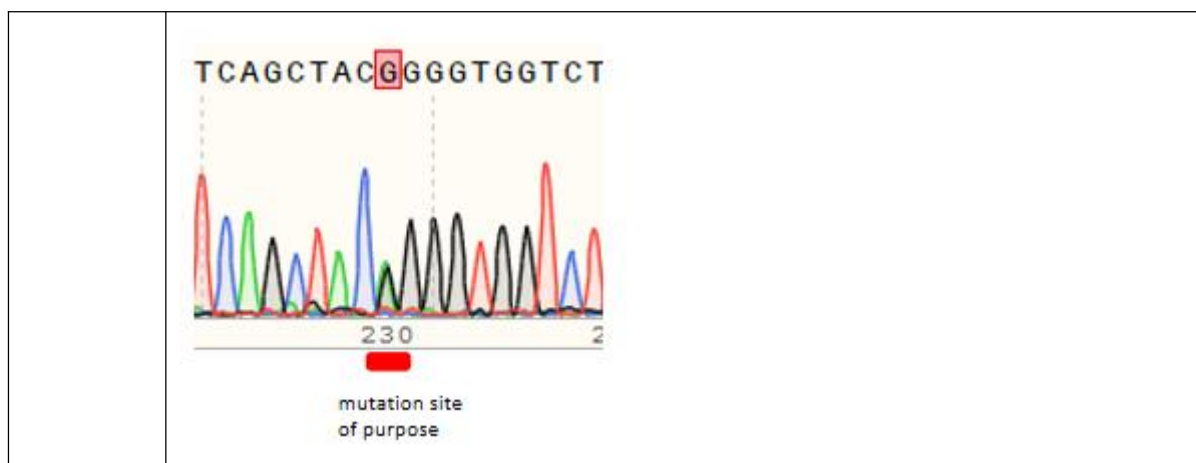
→ : primer location

Primers

Primer	Sequence (5'→3')	Primer type
P1	GTATCCCAGGTCCCTTCCCT	Forward
P2	TTGTAAAAGGGGTGGGGTG	Reverse
Seq primer	GTATCCCAGGTCCCTTCCCT	Sequencing primer

Expected results

Results	
Genotype	The PCR product should be sequencing. Sequencing peak data is for identifying homozygous, heterozygous and wild type mice. Wild type: TCAGCTACGGGGTGGTCT  Heterozygous (there are two peaks on mutant site) :



Reaction &Cycling

PCR Reaction System	Reaction Component			Volume (μ l)
	ddH ₂ O			8.0
	2×Rapid Taq Master Mix			10.0
	P1(10 pmol/ μ l)			0.5
	P2(10 pmol/ μ l)			0.5
	Genomic DNA			1.0
	Total			20
	2×Rapid Taq Master Mix from Vazyme(Code Number: P222-01)			
Cycling Reaction	Step	Temp	Time	Note
	1	95°C	5 min	
	2	95°C	20 sec	
	3	60°C	20 sec	
	4	72°C	20 sec	35 repeats to 2
	5	72°C	5 min	

	6	12°C	Hold	
--	---	------	------	--