



## CUSTOMER DETAILS

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	<b>Type of Service</b>	:	<b>PCR Product Cloning</b>
	<b>Date of Submission</b>	:	<b>08/10/2019</b>
	<b>Date Completed (with deliverables)</b>	:	<b>18/10/2019</b>

## SAMPLE INFORMATION

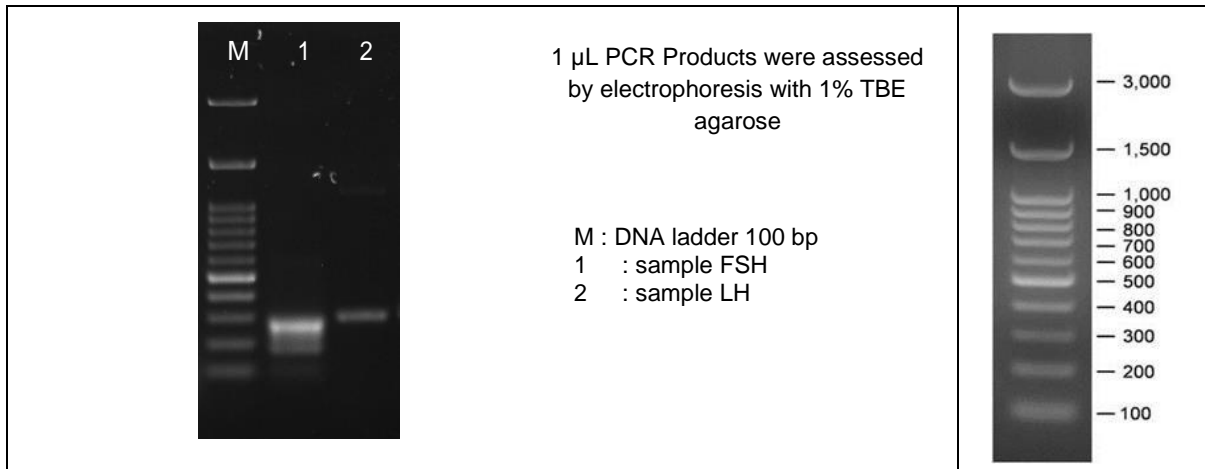
Sample Name	: FSH and LH
PCR Primer	: -
PCR Products size	: 300 bp

## METHODS

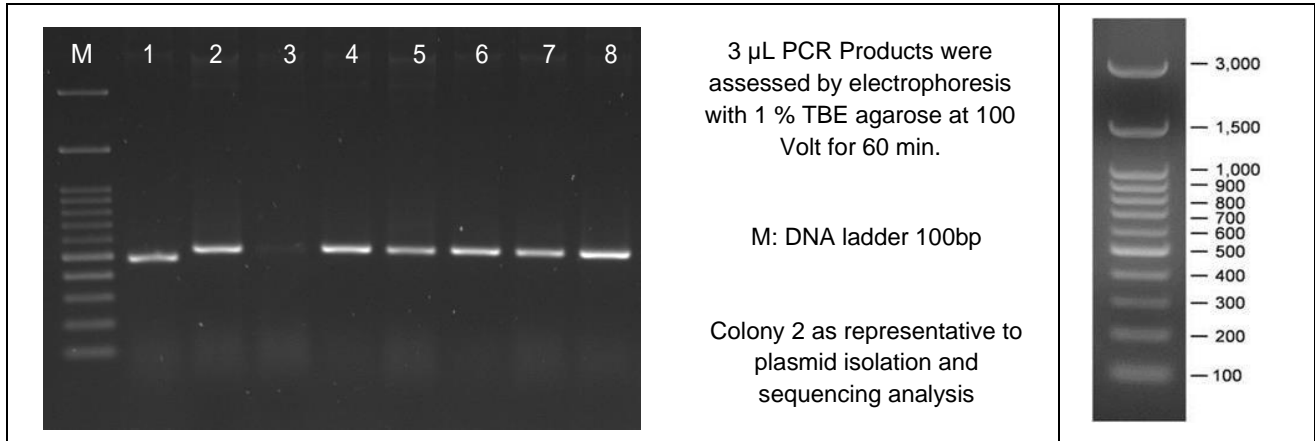
1. Agarose Gel Analysis
2. PCR products purification with Zymoclean Gel DNA Recovery Kit (Zymo Research)
3. Clone to pTA2 Vector with Toyobo TArget Clone (Toyobo)
4. Transform to *E. coli* Zymo 5 $\alpha$  with Mix and Go Competent Cells™ (Zymo Research)
5. PCR Colony with primer T3 and T7 promotor using KOD FX Neo (Toyobo)
6. Plasmid isolation with ZR Plasmid MiniPrep (Zymo Research)
7. Bi-directional Plasmid Sequencing

## RESULTS

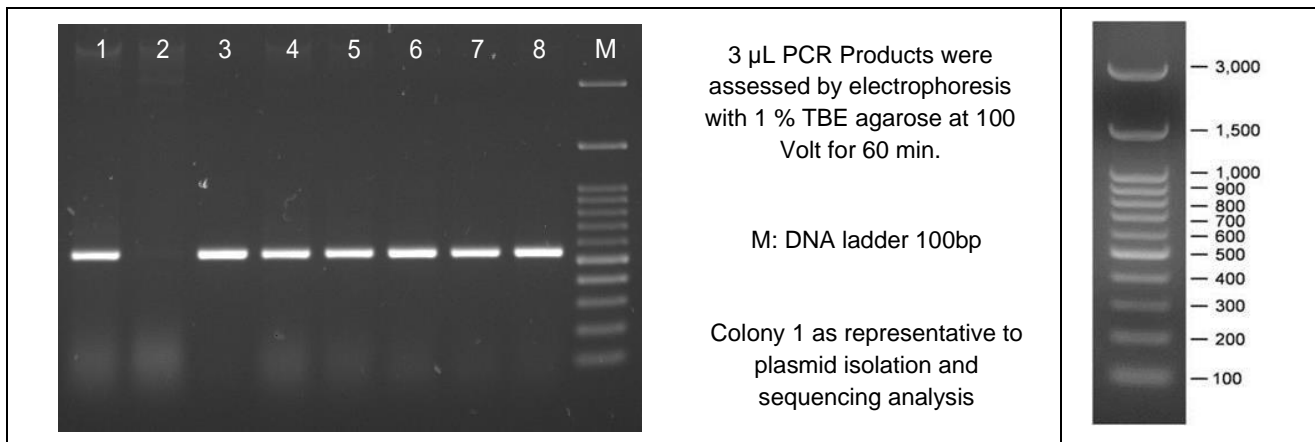
### 1. Agarose Gel Analysis



## 2. Colony PCR – 8 Colonies sample FSH



## 3. Colony PCR – 8 Colonies sample LH





## 4. Cloning Result

PRODUCT INFORMATION	
Sample Name	: Sample FSH
Insert Length	: 279 bp
Destination	: pTA2 Vector
Plasmid	

### DETAILED SEQUENCE OF THE WHOLE CONSTRUCT

CTGACGCGCCCTGTAGCGGCGCATTAAAGCGCGGGGTGTGGTGGTTACGCGCAGCGTGACCGCTACACTTGCCAGCGCC  
 CTAGCGCCCGCTCCTTTTCGCTTTCTTCCCTTCCCTTCTCGCCACGTTTCGCCGGCTTTCCCGTCAAGCTCTAAATCGGGG  
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## SEQUENCE OF INSERT 279bp

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121	TGGATCCTCG	TGGTAGCAAT	GTCCTGCACA	TATGGTGGTG	TAGATGAACT	CAGTGATGCC
181	ACAGCTGTCC	ACGGGGAAGC	TGATGTTGGT	TGGATGACAG	CCGAAGGGGC	AGCCCTGTCC
241	CACCCCGCC	ACTGCCAACA	CTGCTGCCAT	GACAACCAA		

## PRODUCT INFORMATION

Sample Name	:	Sample LH
Insert Length	:	300bp
Destination	:	pTA2 Vector
Plasmid	:	

## DETAILED SEQUENCE OF THE WHOLE CONSTRUCT

CTGACGCGCCCTGTAGCGGCGCATTAAAGCGCGGGGTTGGTGGTTACGCGCAGCGTGACCGCTACACTTGCCAGCGCC  
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## SEQUENCE OF INSERT 300bp

1	TTTCTGGGAG	CCTCATCTTC	CATTTGGCCC	GTGGCTCCAG	CAGCGGCCTT	CCAGCTGCCA
61	CCCTGCCAGC	CCATCAACCA	GACTGTCTCT	CTGGAGAAGG	AGGGCTGTCC	CAGGTGTCAC
121	CCAGTGGAGA	CAACAATCTG	CAGTGGCCAC	TGCATCACCA	GGGGCCCTAT	CATCAAGATA
181	CCGTTTAGCA	ATGTGTACCA	GCATGTGTGC	ACATACCGGG	ACTTGTTCTA	TAAGACATTT
241	GAGTTTCCTG	ACTGTCCTCC	TGGTGTGGAC	CCAGTCGTCA	CCTACCCTGT	GGCTTTGAGA

- END OF REPORT -

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