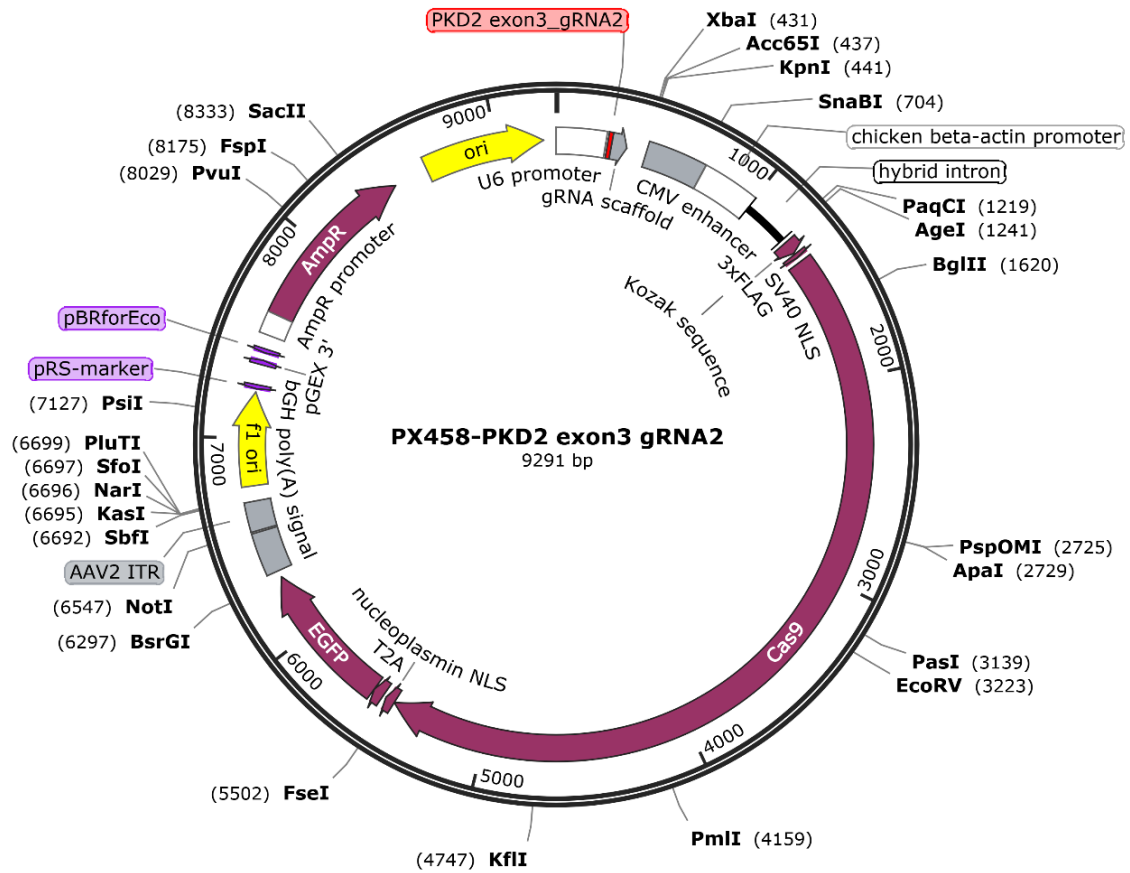


## PX458-PKD2 Exon3\_gRNA2



### Sequence around the guide in vector

tatatatcttgaggaaaggacgaaacaccg **ATTGGAGCTCATCATGCCGT** gtttagagctagaaatagcaagttaaataaggctagtccg

U6 promoter                      PKD2 exon 3\_gRNA2                      gRNA scaffold

### Genomic sequence around the guide

ACATCATCCGGGTGTAGTAGTACACATTGGAGCTCATCATGCCGTAGGTCAGTGAACACAGAAAGATCCAAATG

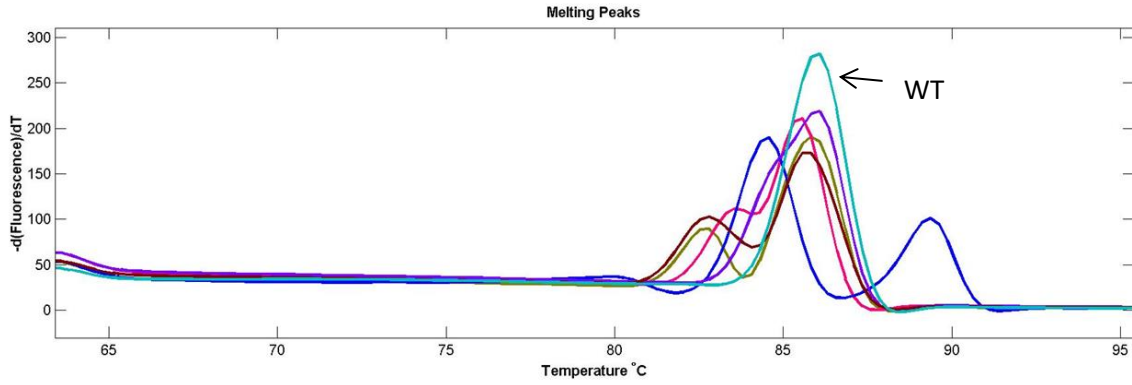
PKD2 exon3\_gRNA2

### HRM primer

Forward: 5' CGGTTCCCTTGGGGCGT

Reverse: 5' AGAGCTGTGACATCATCCG

### HRM of pooled genomic DNA from targeting



Efficiency in 293T cells: 100%

### Common sequence alleles identified by sanger

```
TCATTTGGATCTTTCTGTGTTCCAGTGACCTACGGCATGATGAGCTCCAATGTGTACTACTACAC
TCATTTGGATCTTTCTGTGTTCCAGTGACCTACG-CATGATGAGCTCCAATGTGTACTACTACAC Del 1
TCATTTGGATCTTTCTGTGTTCCAGTGACCTA--GCATGATGAGCTCCAATGTGTACTACTACAC Del 2
TCATTTGGATCTTTCTGTGTTCCAGTGACCTACG-----ATGAGCTCCAATGTGTACTACTACAC Del 5
TCATTTGGATCTTTCTGTGCT-----GCATGATGAGCTCCAATGTGTACTACTACAC Del 13
TCATTTGGATCTTTCTGTGT-----ATGATGAGCTCCAATGTGTACTACTACAC Del 16
```

