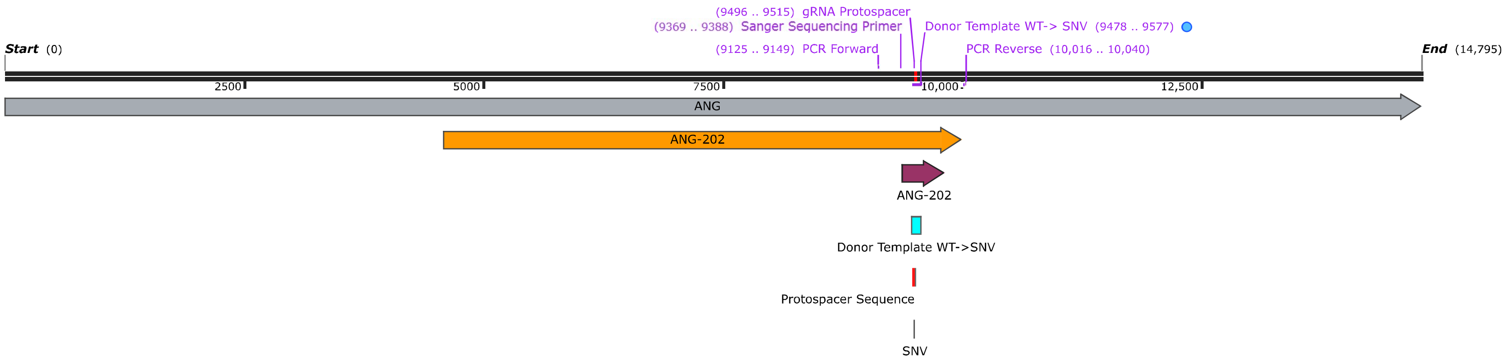

JIPSC1020_SnapgeneDNA_INK2J00041_ANG_K41I_SNVSNV

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ANG-202 >

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ANG-202 >

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ANG-202 >

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ANG-202 >

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ANG-202 >
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ANG-202

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ANG-202

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ANG-202
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ANG-202

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ANG-202

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ANG
ANG-202

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ANG
ANG-202

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ANG
ANG-202

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ANG-202

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ANG-202

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ANG-202

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ANG-202

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ANG-202

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ANG-202

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ANG-202
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9315
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ANG-202
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9450
ANG
ANG-202
1 5 10 15 20
M V M G L G V L L L V F V L G L G L T P P
ANG-202
gRNA Protospacer
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9585
ANG
ANG-202
25 30 35 40 45 50 55 60 65
T L A Q D N S R Y T H F L T Q H Y D A K P Q G R D D R Y C E S I M R R R G L T S P C K D I
ANG-202
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Protospacer Sequence
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SNV
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ANG-202
70 75 80 85 90 95 100 105 110
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ANG-202
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9855
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10,800
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10,935
ANG

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ANG

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ANG

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ANG

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ANG

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ANG

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                                                                ANG

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                                                                ANG

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                                                                ANG

                                                                                  End  (14,795)
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✓	**ANG-202**	9389 .. 9832	444 bp	🟪	→	CDS
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✓	**Donor Template WT->SNV**	9478 .. 9577	100 bp	🟦	⊢⊣	misc_feature
✓	**Protospacer Sequence**	9496 .. 9515	20 bp	🟥	⊢⊣	misc_feature
✓	**SNV**	9510 .. 9510	1 bp	🟧	⊢⊣	misc_feature
	/note	= WT = A SNV = T				
✓	**PAM**	9516 .. 9518	3 bp	🟨	⊢⊣	misc_feature

	Primer	Length	●	Binding Sites	⇄	Tm	Date Added
✓	**PCR Forward**	25-mer		9125 .. 9149	⇀	62°C	May 12, 2022
	/sequence = GATTCTAAGGGATGGGGAAGAACGG 52% GC / 7860.2 Da						
✓	**Sanger Sequencing Primer**	20-mer		9369 .. 9388	⇀	58°C	May 12, 2022
	/sequence = AGGAGCCTGTGTTGGAAGAG 55% GC / 6262.1 Da						
✓	**Donor Template WT-> SNV**	100-mer	●	9478 .. 9577	↽	80°C	May 12, 2022
	/sequence = GCAGGGTGAGGTCAGGCCCCGTCTCCTCATGATGCTTTCACAGTATCTGTCATCCCGGCCCTGTGGTATGGCATCATAGTGCTGGGTCAGGAAGTGTGTG 57% GC / 30,927.0 Da						
✓	**gRNA Protospacer**	20-mer		9496 .. 9515	⇀	56°C	May 12, 2022
	/sequence = GCACTATGATGCCAAACCAC 50% GC / 6055.0 Da						
✓	**PCR Reverse**	25-mer		10,016 .. 10,040	↽	58°C	May 12, 2022
	/sequence = ATATGCCCAGAATCAGTGAGAAGAC 44% GC / 7708.1 Da						