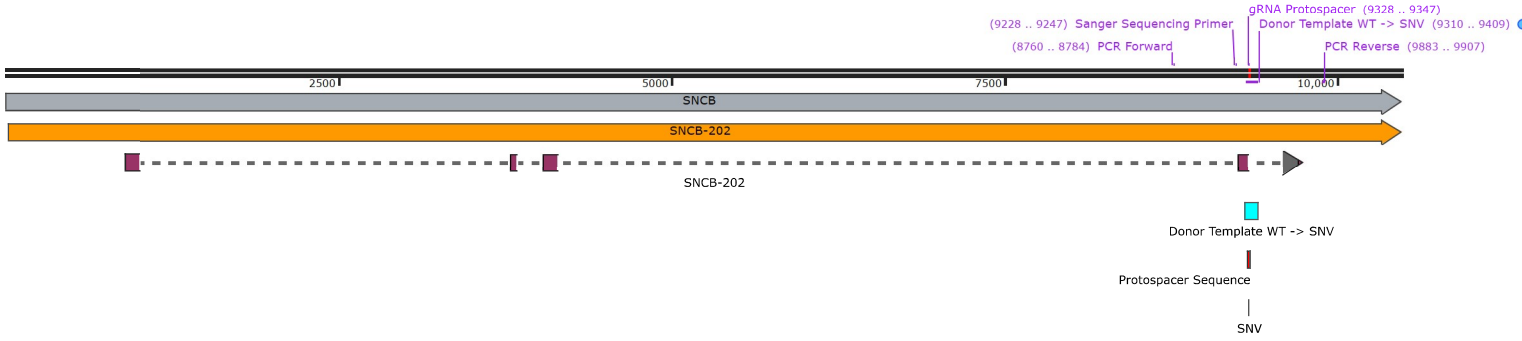

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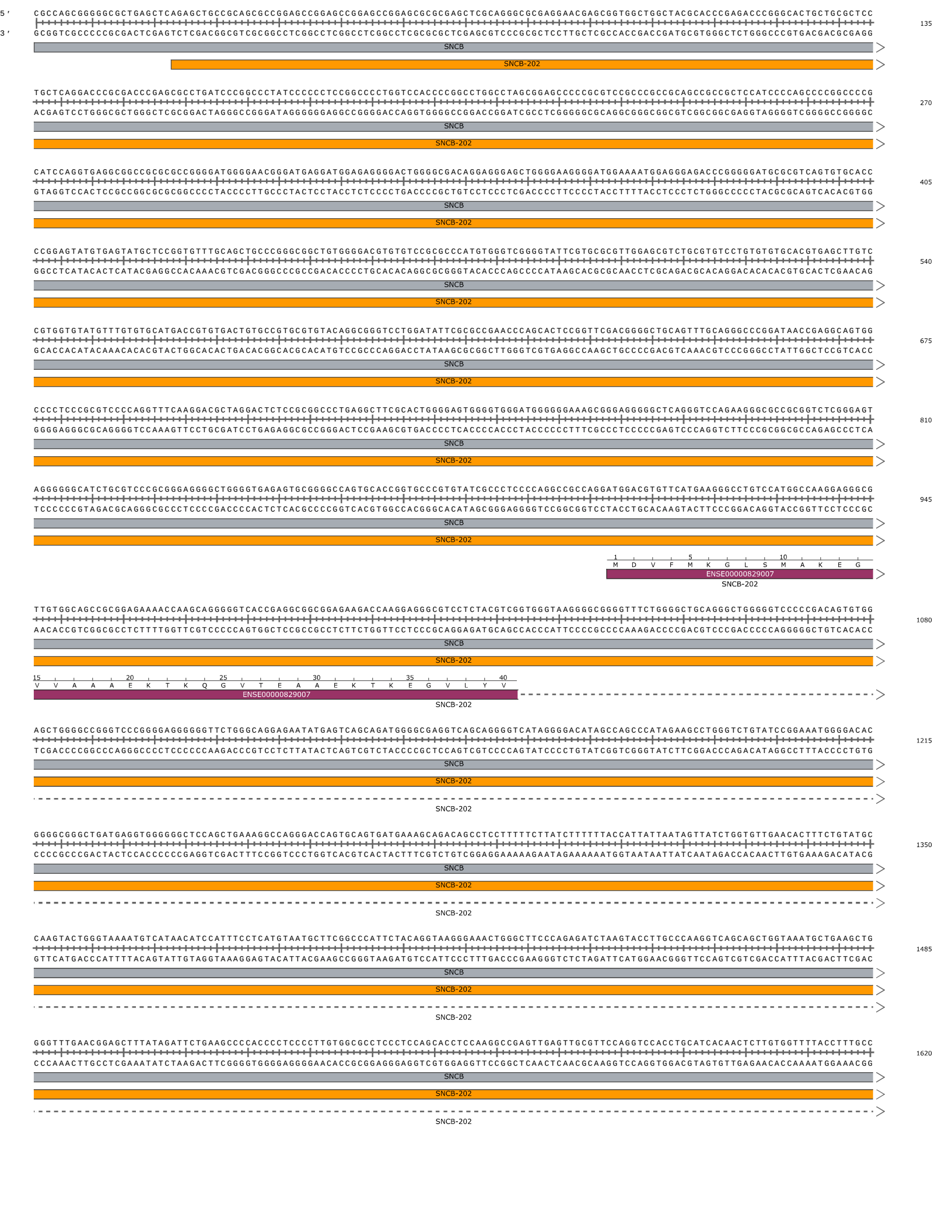
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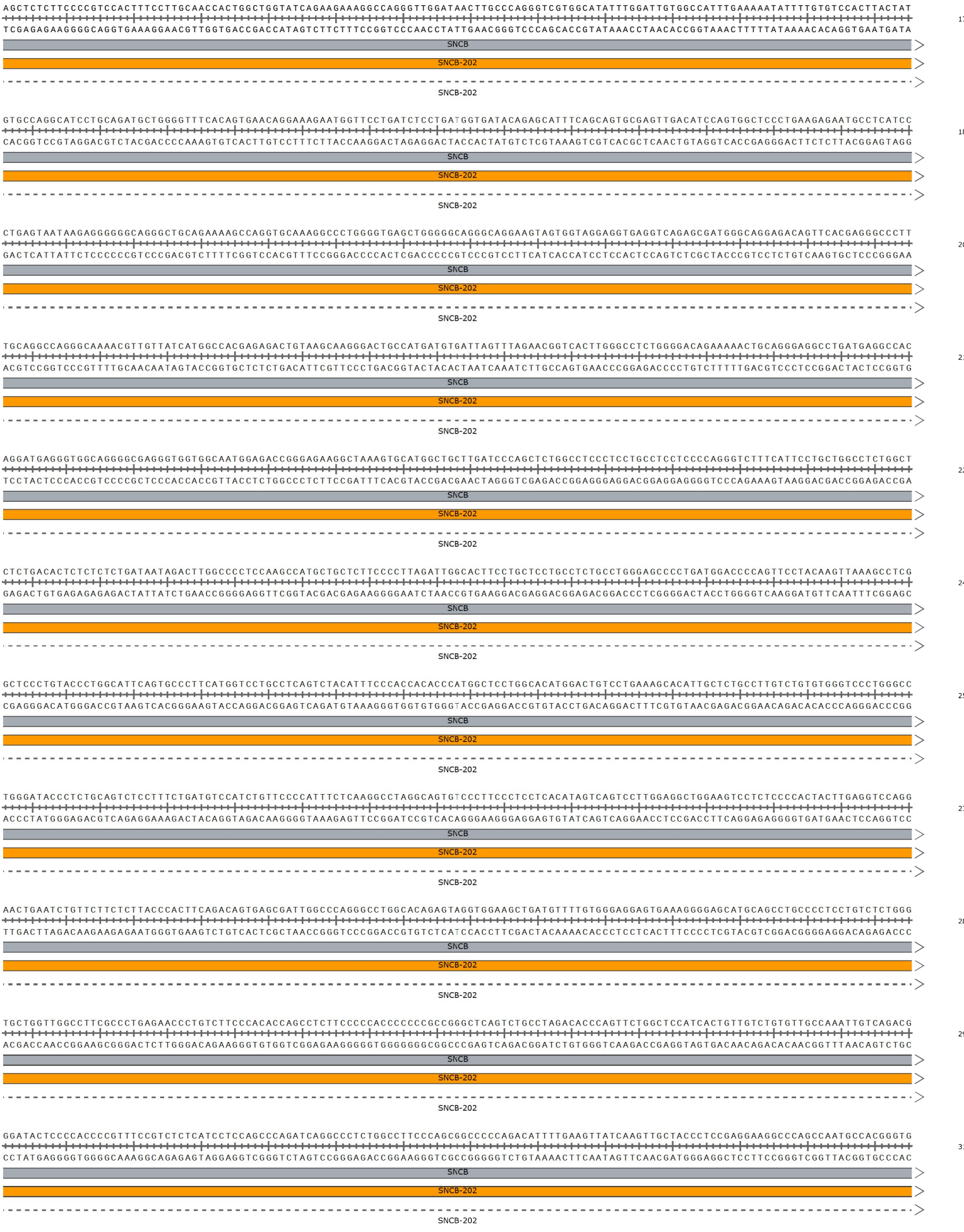
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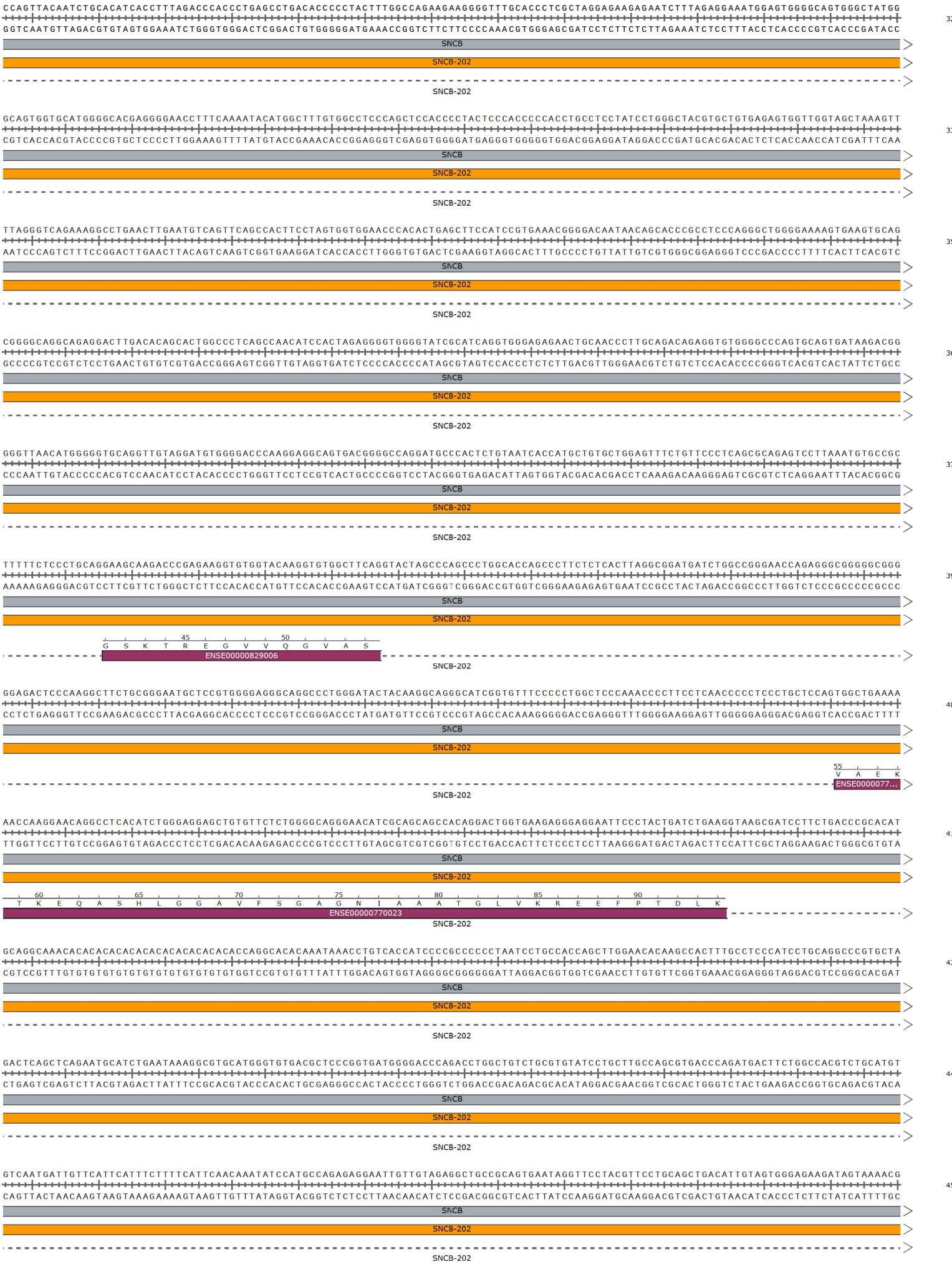
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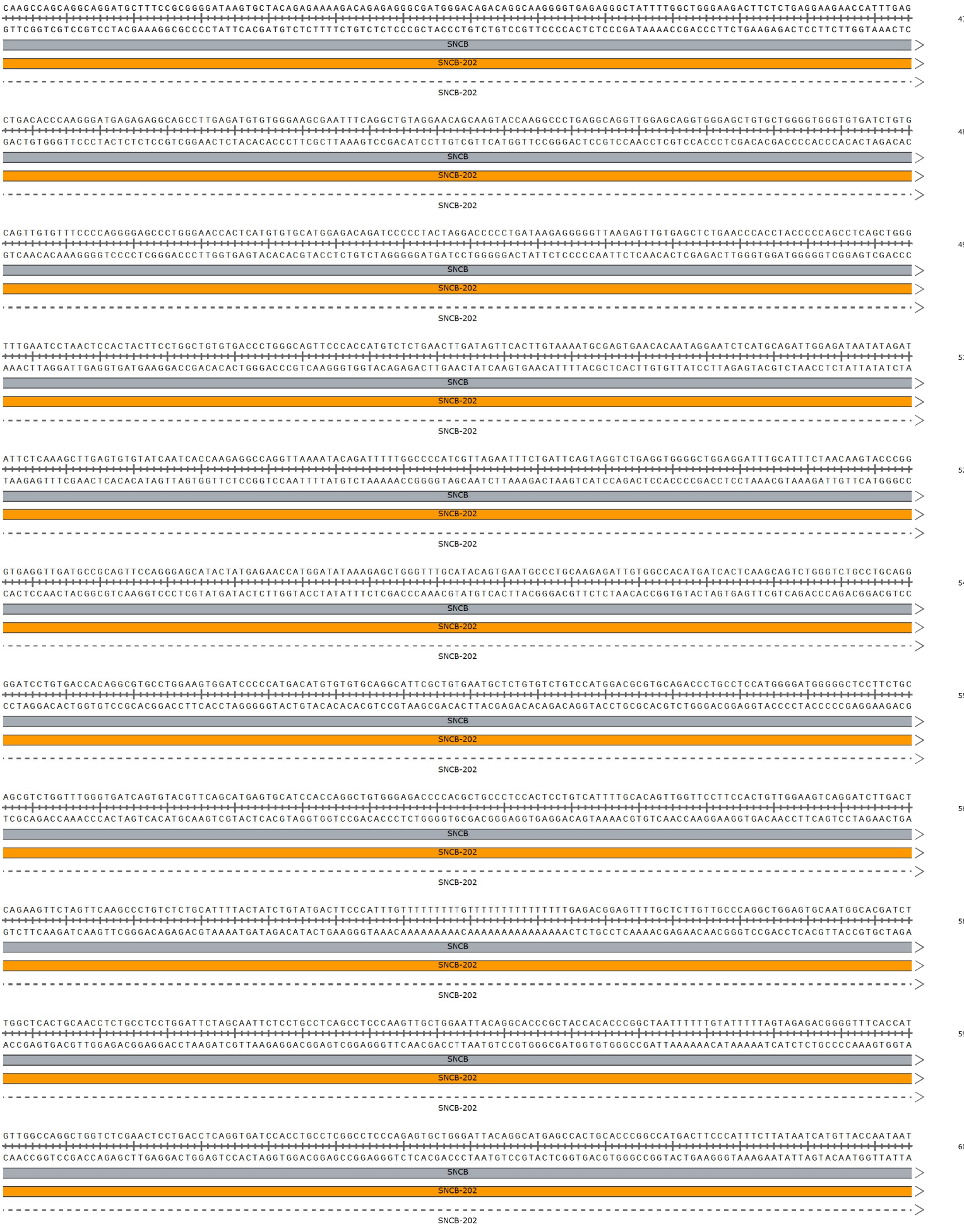
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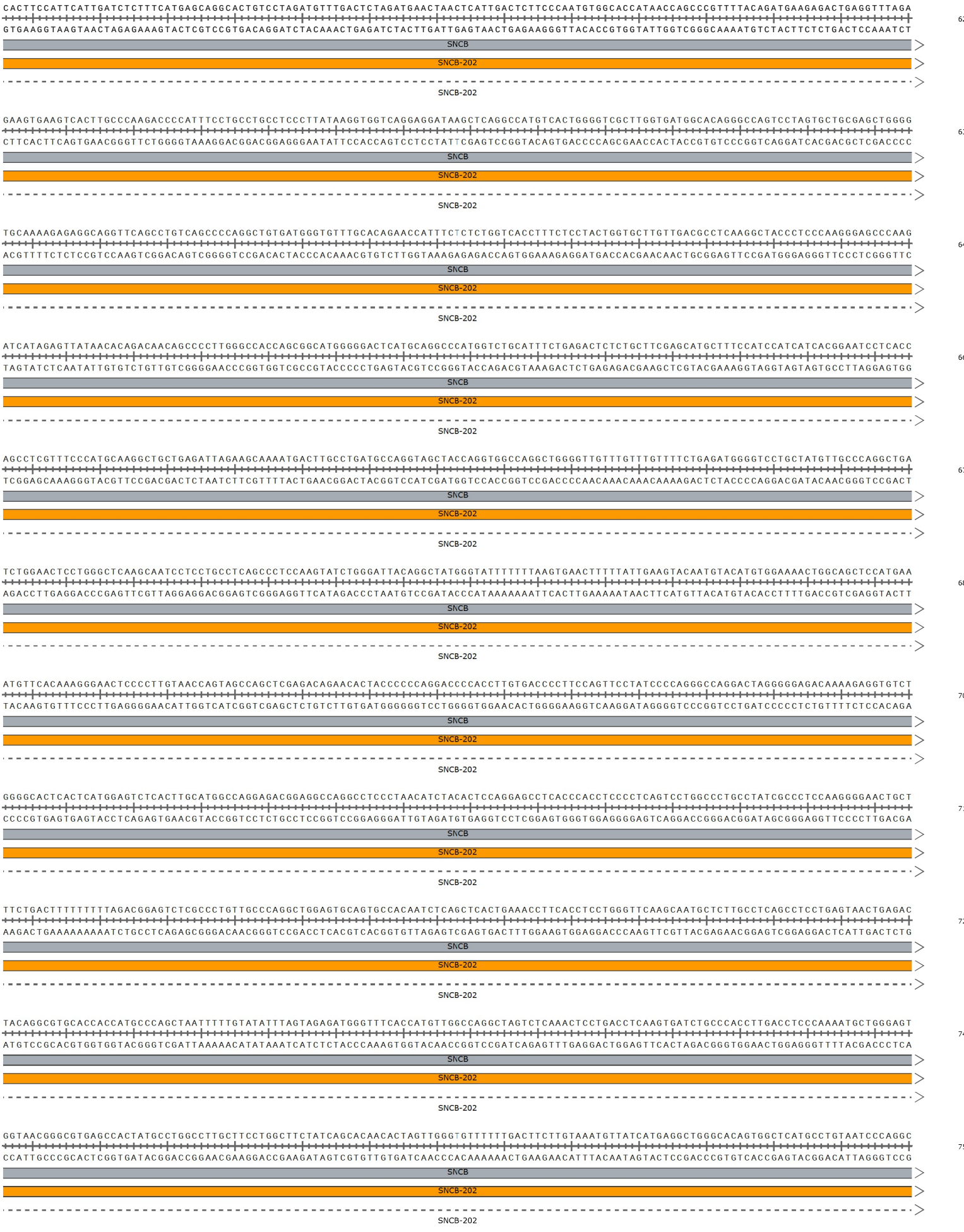
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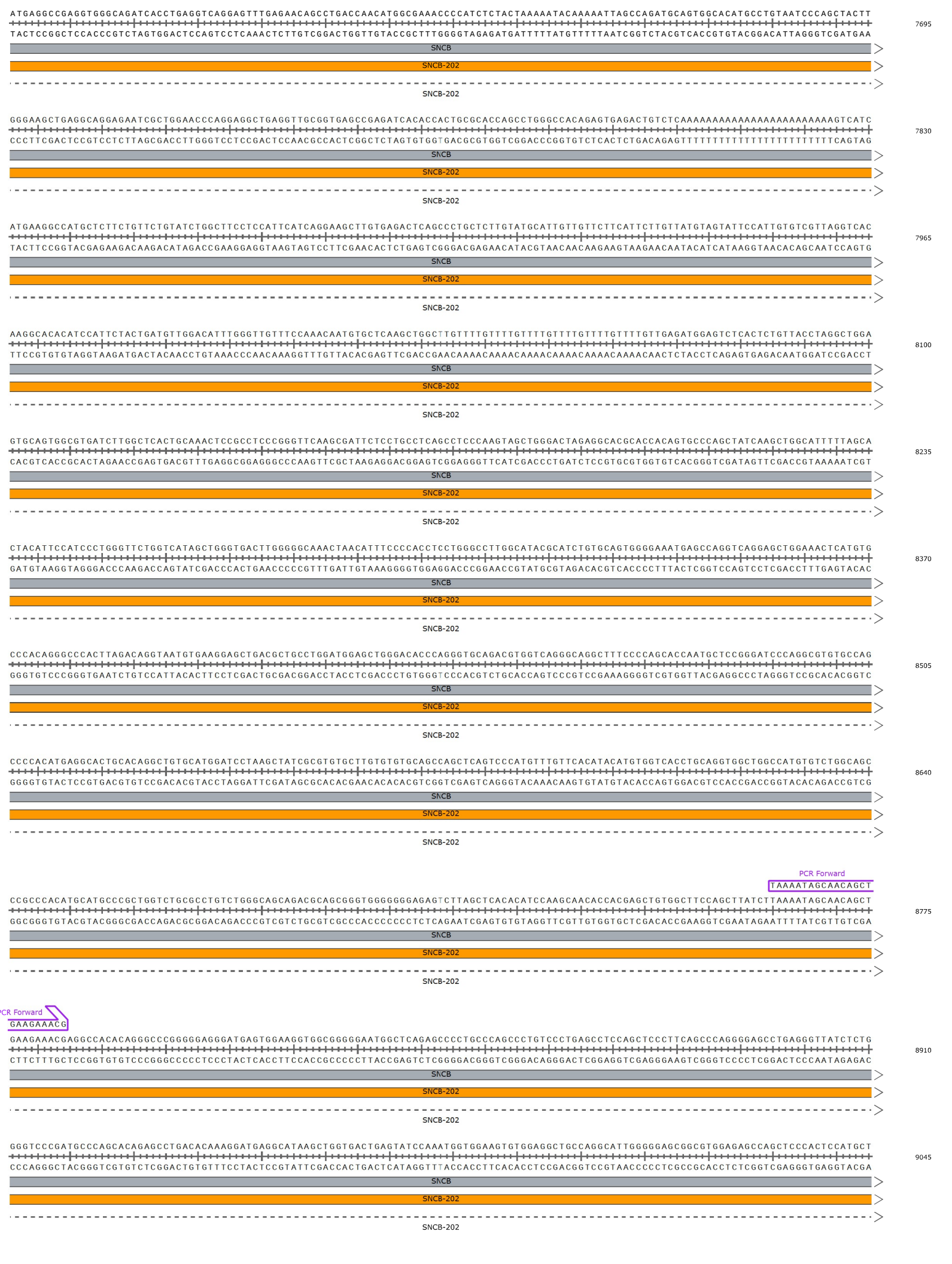
SNCB-202
SNCB-202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SNCB-202


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CGGTCT
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SNV
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125
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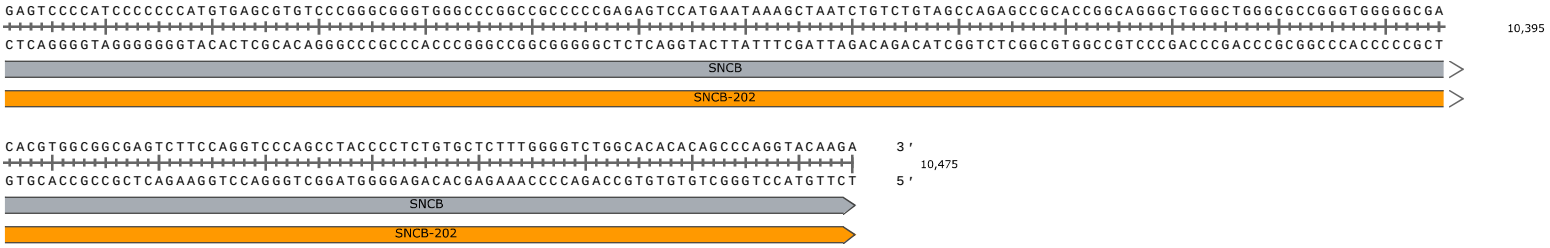
SNCB-202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SNCB
SNCB-202

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5′
SNCB
SNCB-202

	Feature			Location			Size			Type
✓	**SNCB**			1	..	10,475	10,475 bp		→	gene
	/note	=	gene ENSG00000074317 Protein coding							
	SNCB-206			1	..	10,347	10,347 bp		→	prim_transcript
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✓	**SNCB-202**			23	..	10,475	10,453 bp		→	prim_transcript
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	SNCB-201			193	..	10,473	10,281 bp		→	prim_transcript
	/note	=	primary transcript ENST00000310112							
	SNCB-204			509	..	9343	8835 bp		→	prim_transcript
	/note	=	primary transcript ENST00000508006 Retained intron							
	SNCB-203			557	..	9772	9216 bp		→	prim_transcript
	/note	=	primary transcript ENST00000506696							
	SNCB-205			563	..	9876	9314 bp		→	prim_transcript
	/note	=	primary transcript ENST00000510387							
	SNCB-201			903	..	9746	8844 bp		→	CDS
	▸ 5 segments = 405 bp									
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✓	**SNCB-202**			903	..	9746	8844 bp		→	CDS
	▸ 5 segments = 405 bp									
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	SNCB-206			903	..	9746	8844 bp		→	CDS
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	/note	=	gene ENSG00000266329 miRNA							
	MIR4281-201			1057	..	1118	62 bp		→	prim_transcript
	/note	=	primary transcript ENST00000580852 miRNA							
✓	**Donor Template WT -> SNV**			9310	..	9409	100 bp		⊢	misc_feature
✓	**Protospacer Sequence**			9328	..	9347	20 bp		⊢	misc_feature
✓	**SNV**			9339	..	9339	1 bp		⊢	misc_feature
	/note	=	WT = C SNV = A							
✓	**PAM**			9348	..	9350	3 bp		⊢	misc_feature

	Primer	Length		Binding Sites			Tm	Date Added
✓	**PCR Forward**	25-mer		8760 ..	8784	→	56°C	Jun 14, 2022
	/sequence = TAAAATAGCAACAGCTGAAGAAACG 36% GC / 7725.1 Da							
✓	**Sanger Sequencing Primer**	20-mer		9228 ..	9247	→	57°C	Jun 14, 2022
	/sequence = CGAGTCCTGACCTTTTCTGC 55% GC / 6035.0 Da							
✓	**Donor Template WT -> SNV**	100-mer		9310 ..	9409	←	82°C	Jun 14, 2022
	/sequence = CCAGCTAGGGACGGCAGCAATCATCCTGGATTCCCAAAGTCCCGCCCAGCCCTGCTGCCCCCTCACCTGGTGTGGGTCCTCATAACTCTCCCCTTCTGGC 63% GC / 30,436.6 Da							
✓	**gRNA Protospacer**	20-mer		9328 ..	9347	→	62°C	Jun 14, 2022
	/sequence = TGAGGACCCACCCCAGGTGA 65% GC / 6112.0 Da							
✓	**PCR Reverse**	25-mer		9883 ..	9907	←	58°C	Jun 14, 2022
	/sequence = GACAGATGGACAGACACTAACACAG 48% GC / 7702.1 Da							