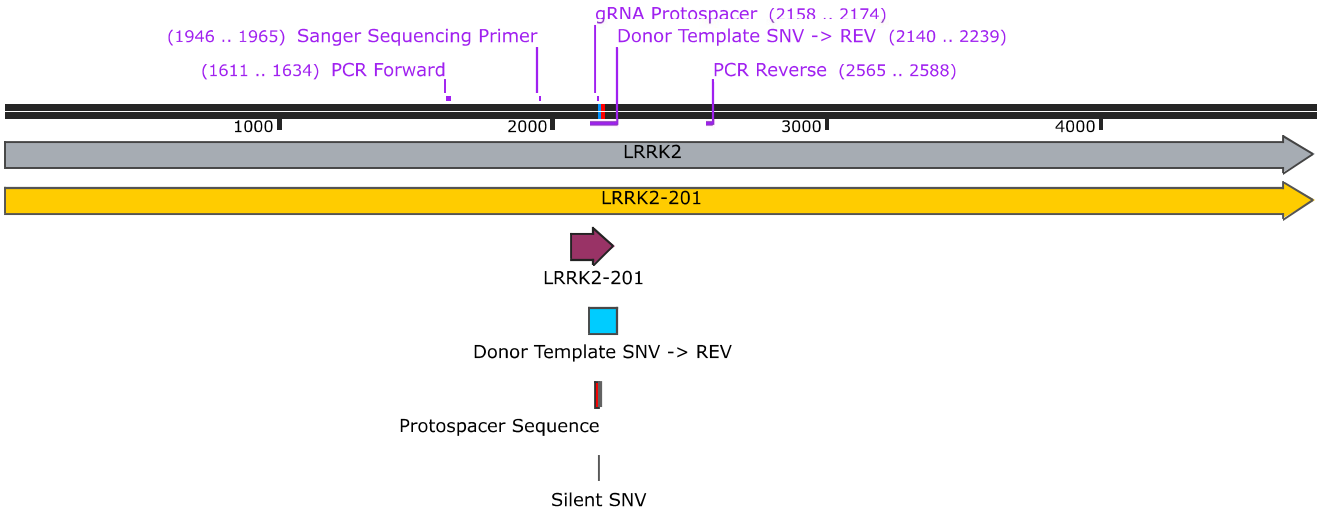

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4778 bp


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LRRK2
LRRK2-201
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LRRK2-201
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LRRK2-201
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LRRK2-201
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LRRK2-201


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LRRK2-201
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LRRK2
LRRK2-201


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LRRK2-201
Sanger Sequencing Primer
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1955
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1990
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2000
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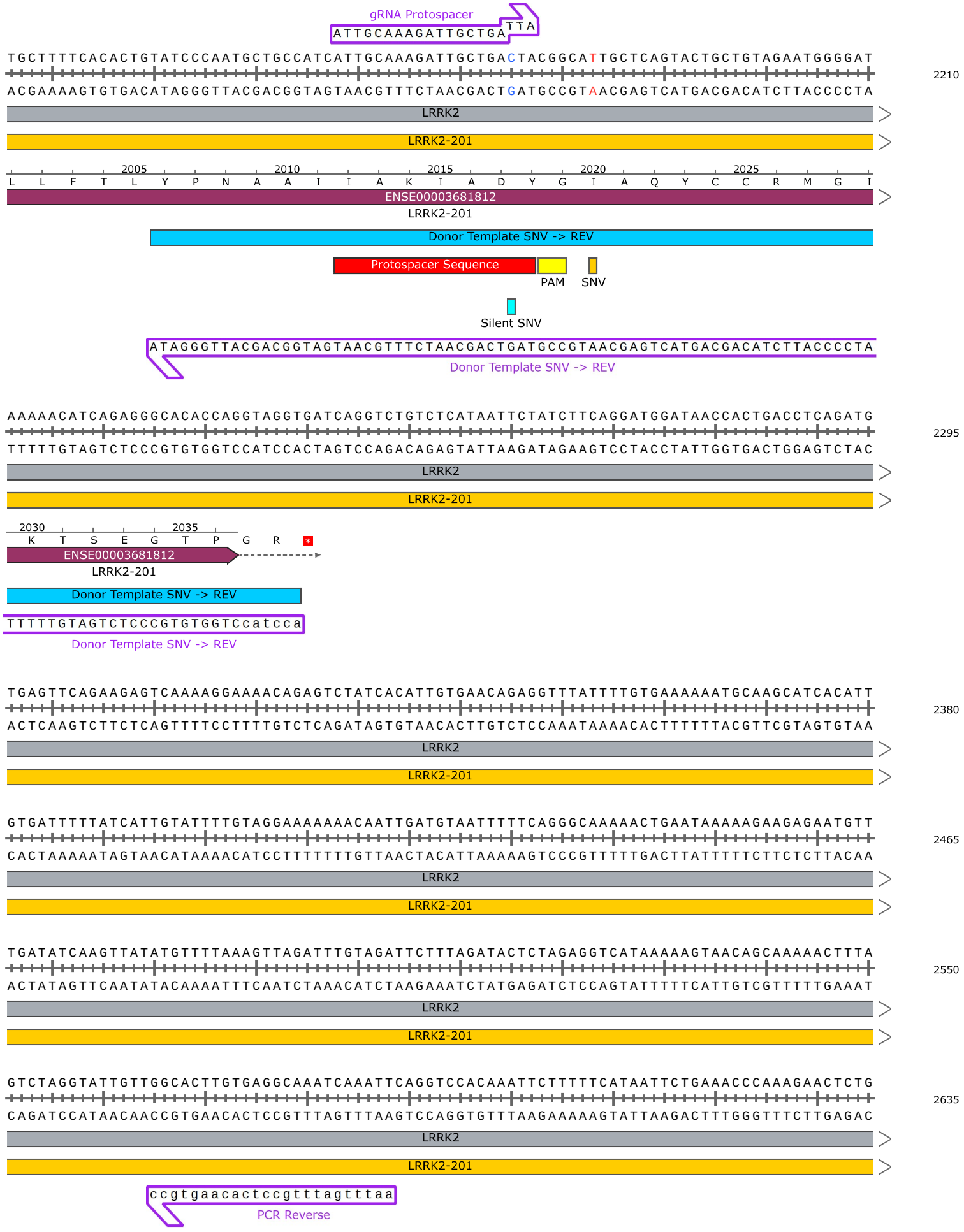
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LRRK2-201
2005
2010
2015
2020
2025
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LRRK2-201
Donor Template SNV -> REV
Protospacer Sequence
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SNV
Silent SNV
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LRRK2-201
2030
2035
K T S E G T P G R *
ENSE00003681812
LRRK2-201
Donor Template SNV -> REV
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Donor Template SNV -> REV
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LRRK2-201
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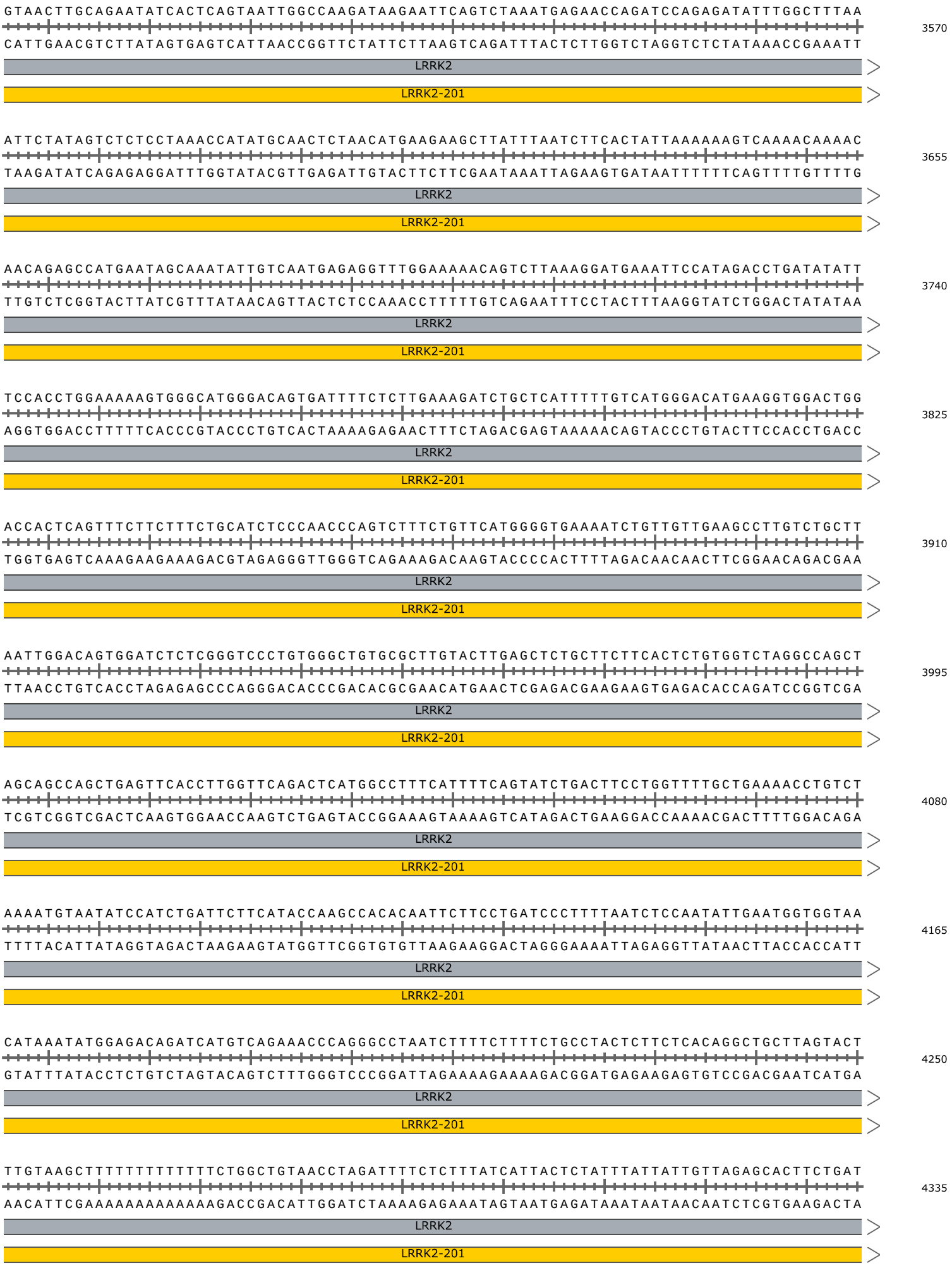
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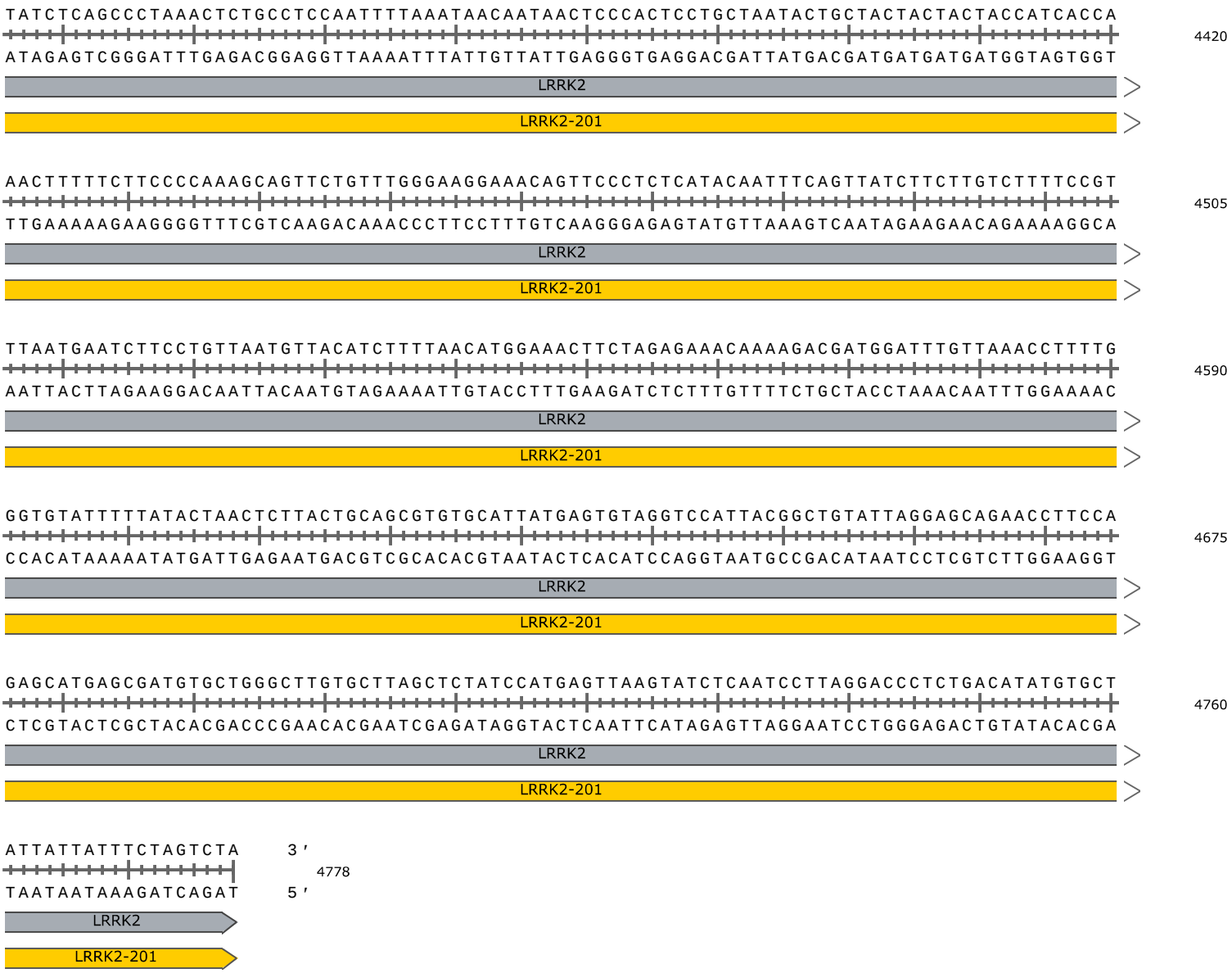
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LRRK2-201
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4778
TAATAATAAAGATCAGAT 5′
LRRK2
LRRK2-201

	Feature			Location	Size			Type
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	/note	=	gene ENSG00000223914 lncRNA					
✓	**LRRK2**			1 .. 4778	4778 bp		→	gene
	/note	=	gene ENSG00000188906 Protein coding					
	LINC02471-202			1 .. 4778	4778 bp		→	prim_transcript
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✓	**LRRK2-201**			1 .. 4778	4778 bp		→	prim_transcript
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	LRRK2-204			1 .. 4778	4778 bp		→	prim_transcript
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✓	**Donor Template SNV -> REV**			2140 .. 2239	100 bp		⊢	misc_feature

	Feature			Location			Size			Type
✓	**Protospacer Sequence**			2158	..	2177	20 bp			misc_feature
✓	**Silent SNV**			2175	..	2175	1 bp			misc_feature
	/note	=	REV = C SILENT SNV = T							
✓	**PAM**			2178	..	2180	3 bp			misc_feature
✓	**SNV**			2183	..	2183	1 bp			misc_feature
	/note	=	REV = T SNV = C							

	Primer	Length	Binding Sites		Tm	Date Added
✓	**PCR Forward**	24-mer	1611 .. 1634	→	59°C	Mar 2, 2023
	/sequence = aagctgagctaaacctctatgtgg 46% GC / 7376.9 Da					
✓	**Sanger Sequencing Primer**	20-mer	1946 .. 1965	→	57°C	Mar 2, 2023
	/sequence = aagggacaaagtgagcacag 50% GC / 6233.1 Da					
✓	**Donor Template SNV -> REV**	100-mer	2140 .. 2239	←	76°C	Mar 2, 2023
	/sequence = acctacCTGGTGTGCCCTCTGATGTTTTTATCCCCATTCTACAGCAGTACTGAGCAATGCCGTAGTCAGCAATCTTTGCAATGATGGCAG CTATCGGATA 60% GC / 30,740.0 Da					
✓	**gRNA Protospacer**	20-mer	2158 .. 2174	→	47°C	Mar 2, 2023
	/sequence = ATTGCAAAGATTGCTGATTA 30% GC / 6155.1 Da					
✓	**PCR Reverse**	24-mer	2565 .. 2588	←	59°C	Mar 2, 2023
	/sequence = aatttgatttgcctcacaagtgcc 42% GC / 7302.8 Da					