

The results of sequencing comparison are shown in the following figure: (the green area is the part that matches the target sequence)

NoName 1 mmhggggvsevssestypcpggplvfedfanitpfvkeeirfsaighkhichmealestvdplgrsttkhsvapedektkrrrknkaakorakktteclgheekiesvonekkaqueekneqkhiysinihrtoivrragqgtpedernifigqkqg*orypqcplehad-----
08-22PC-b-AT 120 mmhggggvsevssestypcpggplvfedfanitpfvkeeirfsaighkhichmealestvdplgrsttkhsvapedektkrrrknkaakorakktteclgheekiesvonekkaqueekneqkhiysinihrtoivrragqgtpedernifigqkqg*orypqcplehadscpfteqliseedi

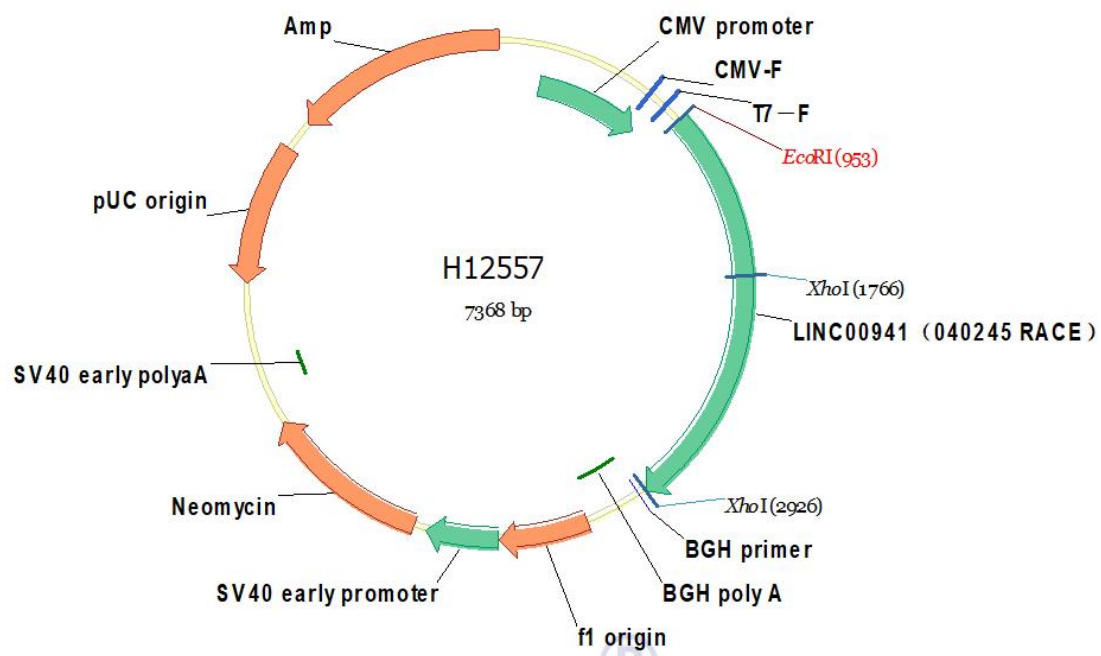
The sequencing results showed that the sequencing results were consistent with the target sequence, and the target plasmid was successfully constructed.

Lnc00941 (lncIAPF) plasmid construction information:

The lncIAPF plasmid vector was purchased from Heyuan Biotechnology Company (Shanghai, China).

Clone serial number: H12557; Gene size: 1967

The map of pcDNA3.1 vector is shown in the following figure:



Primer design:

Forward sequencing primer	CMV-F CGCAAATGGGCGGTAGGCGTG
Reverse sequencing primer	BGH TAGAAGGCACAGTCGAGG

Comparison of sequencing results:

	1	50
seq	(1) CTCTCTGGCTAACTAGAGAACCCACTGCTTACTGGCTTATCGAAATTAAT	
	LINC00941 (040245 RACE)	(1) -----
	51	100
seq	(51) ACGACTCACTATAGGGAGACCCAAGCTGGCTAGCGTTAACTTAAGCTT	
	LINC00941 (040245 RACE)	(1) -----
	101	150
seq	(101) GGTACCGAGCTCGGATCCACTAGTCCAGTGTGGTGAATTC	TTGCCCATG
	LINC00941 (040245 RACE)	(1) -----TTGCCCATG
	151	200

	seq	(151)	GAGATGAGTTTATGTGAGCCAGGTTTACAAAGAGTAGAGTGTGGCTGGG	
LINC00941 (040245 RACE)		(10)	GAGATGAGTTTATGTGAGCCAGGTTTACAAAGAGTAGAGTGTGGCTGGG	
			251	250
	seq	(201)	CACGGTGGCTCACGCCTGTAATCCCAGCACTTTGGGGGACGTGGCTGAAG	
LINC00941 (040245 RACE)		(60)	CACGGTGGCTCACGCCTGTAATCCCAGCACTTTGGGGGACGTGGCTGAAG	
			251	300
	seq	(251)	TCAGTCGGGCGCCCGCTTGCTGCACGGCAGCCGTGGGACTGGCACAGGC	
LINC00941 (040245 RACE)		(110)	TCAGTCGGGCGCCCGCTTGCTGCACGGCAGCCGTGGGACTGGCACAGGC	
			301	350
	seq	(301)	TCCTCGGCAGCATTATGGGCAGCTGGTAGAGCGGCCACTTCTGAGAGCCG	
LINC00941 (040245 RACE)		(160)	TCCTCGGCAGCATTATGGGCAGCTGGTAGAGCGGCCACTTCTGAGAGCCG	
			351	400
	seq	(351)	GATGGGCCTTCCGAGGTCGGGCGCTGCCCCGCTGGGCAGCGCAGAGGGGG	
LINC00941 (040245 RACE)		(210)	GATGGGCCTTCCGAGGTCGGGCGCTGCCCCGCTGGGCAGCGCAGAGGGGG	
			401	450
	seq	(401)	TGTGTAGGGCACGCGACTTGGAGCCAGGTCCAGACCCATCCTGGCTCCTC	
LINC00941 (040245 RACE)		(260)	TGTGTAGGGCACGCGACTTGGAGCCAGGTCCAGACCCATCCTGGCTCCTC	
			451	500
	seq	(451)	TCAGGGCTCCTTCCCCTGCCCCATTCCACCCAGCCCTGCTGGCTGTCC	
LINC00941 (040245 RACE)		(310)	TCAGGGCTCCTTCCCCTGCCCCATTCCACCCAGCCCTGCTGGCTGTCC	
			501	550
	seq	(501)	CGCAGGACCCAGCGCCGCGGTAGCCTTCTCTGAAGTGGGCTCAGGCGGA	
LINC00941 (040245 RACE)		(360)	CGCAGGACCCAGCGCCGCGGTAGCCTTCTCTGAAGTGGGCTCAGGCGGA	
			551	600
	seq	(551)	GGTGTCACTCCTGCCTCCAGCCCAGGAGGGCAGGTCAAGTTATGCAACGC	
LINC00941 (040245 RACE)		(410)	GGTGTCACTCCTGCCTCCAGCCCAGGAGGGCAGGTCAAGTTATGCAACGC	
			601	650
	seq	(601)	GTGCCGCGCGATCTCCCCCACCTCCAACCCCTTTTCTCCCGGGTCCAC	
LINC00941 (040245 RACE)		(460)	GTGCCGCGCGATCTCCCCCACCTCCAACCCCTTTTCTCCCGGGTCCAC	
			651	700
	seq	(651)	ACCGCAGTTCCCACCGCTCCGGGTGTCCTCCCAGTGCGCCGCGATTTT	
LINC00941 (040245 RACE)		(510)	ACCGCAGTTCCCACCGCTCCGGGTGTCCTCCCAGTGCGCCGCGATTTT	
			701	750
	seq	(701)	GTGTCCAAGCCCCAGAGTCCCTCTGAGACCAACCCCCAGCCAGCACAGAC	
LINC00941 (040245 RACE)		(560)	GTGTCCAAGCCCCAGAGTCCCTCTGAGACCAACCCCCAGCCAGCACAGAC	
			751	800
	seq	(751)	TTCTGCCTTCCCAGCTCGGGGATGTGGTCTCATTAGGTTGCCAAGCTG	
LINC00941 (040245 RACE)		(610)	TTCTGCCTTCCCAGCTCGGGGATGTGGTCTCATTAGGTTGCCAAGCTG	
			801	850
	seq	(801)	GACTTGTAATCTTGGCCTCAAGAGGTCCTTCCATCTCAGTCTCCCAAGTA	
LINC00941 (040245 RACE)		(660)	GACTTGTAATCTTGGCCTCAAGAGGTCCTTCCATCTCAGTCTCCCAAGTA	
			851	900
	seq	(851)	GCTGGGACTACAAGCATGCACCACTACACTCAGCCAAATACTTTCAATAA	
LINC00941 (040245 RACE)		(710)	GCTGGGACTACAAGCATGCACCACTACACTCAGCCAAATACTTTCAATAA	

		901		950
	seq	(901)	TTTGCCAGCTGACAACCTTGATTGGGTTCTCCTTCAGGTTTGAAGCGCCCT	
LINC00941 (040245 RACE)		(760)	TTTGCCAGCTGACAACCTTGATTGGGTTCTCCTTCAGGTTTGAAGCGCCCT	
		951		1000
	seq	(951)	CGAGAAGTGTCTAAAGGAGACAGTTGATAGCCAAACAACAGTTTTGGATT	
LINC00941 (040245 RACE)		(810)	CGAGAAGTGTCTAAAGGAGACAGTTGATAGCCAAACAACAGTTTTGGATT	
		1001		1050
	seq	(1001)	CACTGACTGATTATGAAAGAAGCAGTAGACTGGTATCAAGAATCAGTCAG	
LINC00941 (040245 RACE)		(860)	CACTGACTGATTATGAAAGAAGCAGTAGACTGGTATCAAGAATCAGTCAG	
		1051		1100
	seq	(1051)	CAAGGAGGCCCTCACCAGACGCCAGTGCCATGTTCTTGACTTCTCAGCC	
LINC00941 (040245 RACE)		(910)	CAAGGAGGCCCTCACCAGACGCCAGTGCCATGTTCTTGACTTCTCAGCC	
		1101		1150
	seq	(1101)	TCCATATTCATGAACTAAGTTTTTGAATCCTTAGGCTTCCACGTGTGGA	
LINC00941 (040245 RACE)		(960)	TCCATATTCATGAACTAAGTTTTTGAATCCTTAGGCTTCCACGTGTGGA	
		1151		1200
	seq	(1151)	AAGCCTGAGCTAACCTACTGGAGGATGAGCCATCACCTGGAGCAGATTCA	
LINC00941 (040245 RACE)		(1010)	AAGCCTGAGCTAACCTACTGGAGGATGAGCCATCACCTGGAGCAGATTCA	
		1201		1250
	seq	(1201)	GGCCATCCTAGTTGAAGCCTCCCTAGGCCAAGCAACCGTCCAACCTACCAG	
LINC00941 (040245 RACE)		(1060)	GGCCATCCTAGTTGAAGCCTCCCTAGGCCAAGCAACCGTCCAACCTACCAG	
		1251		1300
	seq	(1251)	ACATTGACCATTACAGCCTTGAACATTAGCAGACAAAGACAAAACAGACCAG	
LINC00941 (040245 RACE)		(1110)	ACATTGACCATTACAGCCTTGAACATTAGCAGACAAAGACAAAACAGACCAG	
		1301		1350
	seq	(1301)	ACCAGAAGAGTCCCACAGAATAGGGGAAACTATTAGAGAAAACCTTAAGC	
LINC00941 (040245 RACE)		(1160)	ACCAGAAGAGTCCCACAGAATAGGGGAAACTATTAGAGAAAACCTTAAGC	
		1351		1400
	seq	(1351)	CACTAAGTTTTATGGTGTTTTGTCTGTAGCAGAAGCATAGGCATACTGA	
LINC00941 (040245 RACE)		(1210)	CACTAAGTTTTATGGTGTTTTGTCTGTAGCAGAAGCATAGGCATACTGA	
		1401		1450
	seq	(1401)	CAATACAAACCGAAATCCTTCTAACGTAGTGGACCTTTTCAGGCCAGCAT	
LINC00941 (040245 RACE)		(1260)	CAATACAAACCGAAATCCTTCTAACGTAGTGGACCTTTTCAGGCCAGCAT	
		1451		1500
	seq	(1451)	TTTTTCCTTGAAAACCTGGAGCATGTATCCATCTTATAGCAGAGATCACT	
LINC00941 (040245 RACE)		(1310)	TTTTTCCTTGAAAACCTGGAGCATGTATCCATCTTATAGCAGAGATCACT	
		1501		1550
	seq	(1501)	ITCACAATGTTTGGGCTCTTGATTGGAATTGATGATGTAATGAGCCCTCT	
LINC00941 (040245 RACE)		(1360)	ITCACAATGTTTGGGCTCTTGATTGGAATTGATGATGTAATGAGCCCTCT	
		1551		1600
	seq	(1551)	ATCCAGATTGTAACCTAATTACTCTGCGAATTGACTGGATTCCACACCCCTT	
LINC00941 (040245 RACE)		(1410)	ATCCAGATTGTAACCTAATTACTCTGCGAATTGACTGGATTCCACACCCCTT	
		1601		1650
	seq	(1601)	CTAATATTTTACTTTTCCTCTTTTATCAACTCTCATTCTTGCTGCCATGA	

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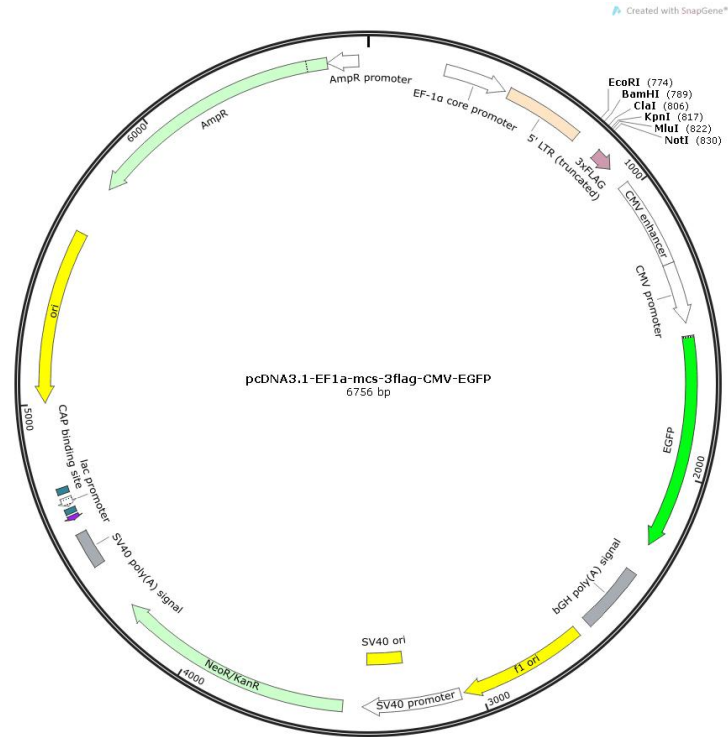
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                                1651                                1700
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LINC00941 (040245 RACE) (1510) TCAATGGACCAACTATGCTTATAACCACAAATTTTGATATGCTTAAACAA
                                1701                                1750
seq (1701) ATGAACAAATATATTTAATAATTTCTTTTTTTTTTTGAAATAGTATCTT
LINC00941 (040245 RACE) (1560) ATGAACAAATATATTTAATAATTTCTTTTTTTTTTTGAAATAGTATCTT
                                1751                                1800
seq (1751) GCTCTGTCACCCAGGCTGCAGTGCAGCAGCGTGATCTCAGCTCACTATAA
LINC00941 (040245 RACE) (1610) GCTCTGTCACCCAGGCTGCAGTGCAGCAGCGTGATCTCAGCTCACTATAA
                                1801                                1850
seq (1801) CCTCCACCTCCCGGGTTCAAGTGATTCTCCTGCCTCAGCCTCCCAAGTAG
LINC00941 (040245 RACE) (1660) CCTCCACCTCCCGGGTTCAAGTGATTCTCCTGCCTCAGCCTCCCAAGTAG
                                1851                                1900
seq (1851) CTGGGACTACAGGCGCCACCACCATACTGGCTAATTTTTTGTATTTT
LINC00941 (040245 RACE) (1710) CTGGGACTACAGGCGCCACCACCATACTGGCTAATTTTTTGTATTTT
                                1901                                1950
seq (1901) AGTAGAGACAGGGTTTATCCATGTTGGCCAGGCTGGTCTCAAACCTCTGA
LINC00941 (040245 RACE) (1760) AGTAGAGACAGGGTTTATCCATGTTGGCCAGGCTGGTCTCAAACCTCTGA
                                1951                                2000
seq (1951) CCTCAAGTGATCCTCCTGCCTCGGCCTCCCAAAGTGCTGGGATTACAGGT
LINC00941 (040245 RACE) (1810) CCTCAAGTGATCCTCCTGCCTCGGCCTCCCAAAGTGCTGGGATTACAGGT
                                2001                                2050
seq (2001) GTGAGCCACCATGCCAGCCAATAATTTCTGATATAATAAAAAATGCCAA
LINC00941 (040245 RACE) (1860) GTGAGCCACCATGCCAGCCAATAATTTCTGATATAATAAAAAATGCCAA
                                2051                                2100
seq (2051) TACTATACAATTAAATAGTAAAGTGATAAAAAATAGGATAACATGATAAC
LINC00941 (040245 RACE) (1910) TACTATACAATTAAATAGTAAAGTGATAAAAAATAGGATAACATGATAAC
                                2101                                2150
seq (2101) CACTAATTCTCGAGTCTAGAGGGCCCGTTTAAACCCGCTGATCAGCCTCG
LINC00941 (040245 RACE) (1960) CACTAATT-----
                                2151                                2182
seq (2151) ACTGTGCCTTCTAGTTGCCAGCCATCTGTTGT
LINC00941 (040245 RACE) (1968) -----

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h-ELAVL1 (HuR) plasmid construction information:

The HuR plasmid vector was purchased from HanBio Biotechnology Company (Shanghai, China).

The map of pcDNA3.1-ef1a-MCS-3flag-CMV-EGFP vector is as follows:



Gene sequence information:

Atgtctaattggttatgaagaccacatggccgaagactgcaggggtgacatcgggagaacgaatttgatcgtaactacctc
 cctcagaacatgaccaggatgagttacgaagcctgttcagcagcattggtgaagttgaatctgaaaacttattcgggata
 aagtagcaggacacagcttgggctatggcttgtgaactacgtgaccggaaggatgcagagagagcgatcaacacgct
 gaacggcttgaggctccagtcaaaaaccattaaggtgtcgtatgctcgcccgagctcagaggatgatcaagacgccaactt
 gtacatcagcggggtcccgaggacatgaccagaaggacgtagaagacatgttctctcggttgggaggatcatcaactc
 gcgggtcctcgtggatcagactacaggttgtccagaggggtgcgtttatccggttgacaaacggtcggaggcagaaga
 ggcaattaccagtttcaatggtcataaaccaccaggttctctgagccatcacagtgaagttgcagccaacccaaccag
 aacaaaaacgtggcactcctctcgcagctgtaccactgccagcgcgacggttcggaggccccgttcaccaccaggcgc
 agagattcaggttctccccatgggcgtcgatcacatgagcgggctctctggcgtcaacgtgccaggaaacgcctcctccg
 gctggtgcattttcatctacaacctggggcaggatgccgacgaggggacacctggcagatgtttgggccgtttggtgccgt
 caccaatgtgaaagtgatccgcgacttcaacaccaacaagtgcaaagggttggcttgtgacatgacaaactatgaagaa
 gccgcgatggccatagccagcctgaacggctaccgctgggggacaaaatcttacaggttcttcaaaaccaacaagtc
 ccacaaataa

Primer design:

PC-h-ELAVL1-Eco/Bam-F	gctgtgaccggcgcctacgaattcGCCACCATGTCTAATGGTTAT
PC-h-ELAVL1-Eco/Bam-R	CccATCGATggACCGGTcgGGATCCTTTGTGGGACTTGTGTTTTTG

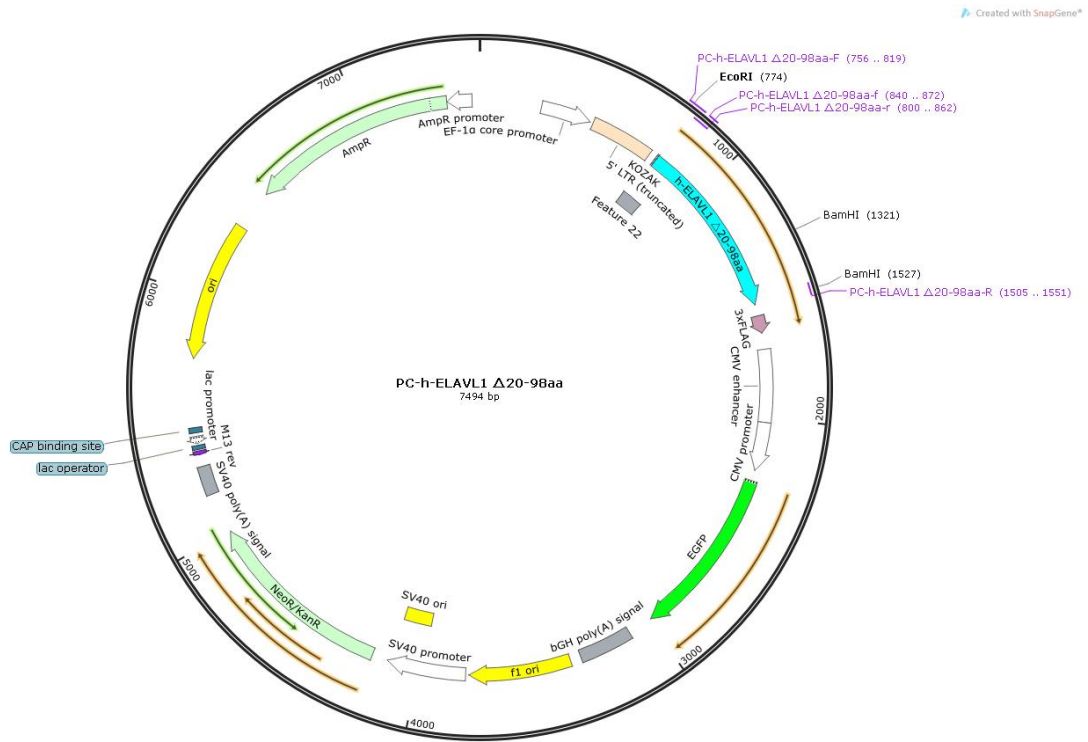
The results of sequencing comparison are shown in the following figure: (the green area is the part that matches the target sequence)

NoName	1	mengyedhmaedcrgdigtrtnlivnlpqmtqdelrslfssigevesaklirdkvaghslyggfvnyvtakdaeraintlnglrqsktikvsyarpsevikdanliyisglprtmtqkdvedmferfg
12-24PC-h-EL	42	mengyedhmaedcrgdigtrtnlivnlpqmtqdelrslfssigevesaklirdkvaghslyggfvnyvtakdaeraintlnglrqsktikvsyarpsevikdanliyisglprtmtqkdvedmferfg
NoName	391	riinsrvldqttglsgvafirfdkrseaeaitstfnghkppgssepitvkfaanpnqknvalisqlyhsparrrfggpvhhaqrfrfpmgvdhmsglsgvnpnassgwcifiynlgqdadegil
12-24PC-h-EL	432	riinsrvldqttglsgvafirfdkrseaeaitstfnghkppgssepitvkfaanpnqknvalisqlyhsparrrfggpvhhaqrfrfpmgvdhmsglsgvnpnassgwcifiynlgqdadegil
NoName	781	wqmfgpfgavtnvkivrdntnkcckgfgfvtmtnyeeamaiaasingyrlgdkilqvsefctnkshk-----dykdddkdykdddkdykdddk*
12-24PC-h-EL	822	wqmfgpfgavtnvkivrdntnkcckgfgfvtmtnyeeamaiaasingyrlgdkilqvsefctnkshkgerpvhrwgtptrrgdykdddkdykdddkdykdddk*

h-ELAVL1 Δ20-98aa (MUT1) plasmid construction information:

The h-ELAVL1 Δ20-98aa (MUT1) plasmid vector was purchased from HanBio Biotechnology Company (Shanghai, China).

The map of pcDNA3.1-ef1a-MCS-3flag-CMV-EGFP vector is as follows:



Gene sequence information:

ELAVL1 Δ20-98aa, with 3xFlag tag at the C terminal.

Atgtctaattggttatgaagaccacatggccgaagactgcaggggtgacatcgggagaagctcagaggtgatcaaagacg
ccaactgtacatcagcgggctcccgcggaccatgaccagaaggacgtagaagacatgttctctcggtttgggcggatca

tcaactcgcgggtcctcgtggatcagactacaggttgtccagaggggttcggttatccggttgacaaacggtcggagggc
agaagaggcaattaccagtttcaatggtcataaacccccaggttctctgagcccatcacagtgaagtttgagccaacccc
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aggcgcagagattcaggttctcccccattggcgctgatcacatgagcgggctctctggcgtaacgtgccaggaaacgcc
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gtgccgtcaccaatgtgaaagtgatccgcgacttcaacaccaacaagtgcaaagggttggcttgtgacatgacaaacta
tgaagaagccgcgatggccatagccagcctgaacggctaccgcctgggggacaaaatcttacaggttccctcaaaacca
acaagtcccacaaa

Primer design:

PC-h-ELAVL1 Δ 20-98aa-F	aagctgtgaccggcgctacgaattcGCCACCAAtgtctaattggttatga agaccacatggccgaag
PC-h-ELAVL1 Δ 20-98aa-r	tctttgatcacctctgagcttctccgatgtcacccctgcagtcttcggccatg tggtcttca
PC-h-ELAVL1 Δ 20-98aa-f	agaagctcagaggtgatcaaagacccaacttg
PC-h-ELAVL1 Δ 20-98aa-R	CccATCGATggACCGGTcgGGATCCTTTGTGGGACTTGTGGTTTTG

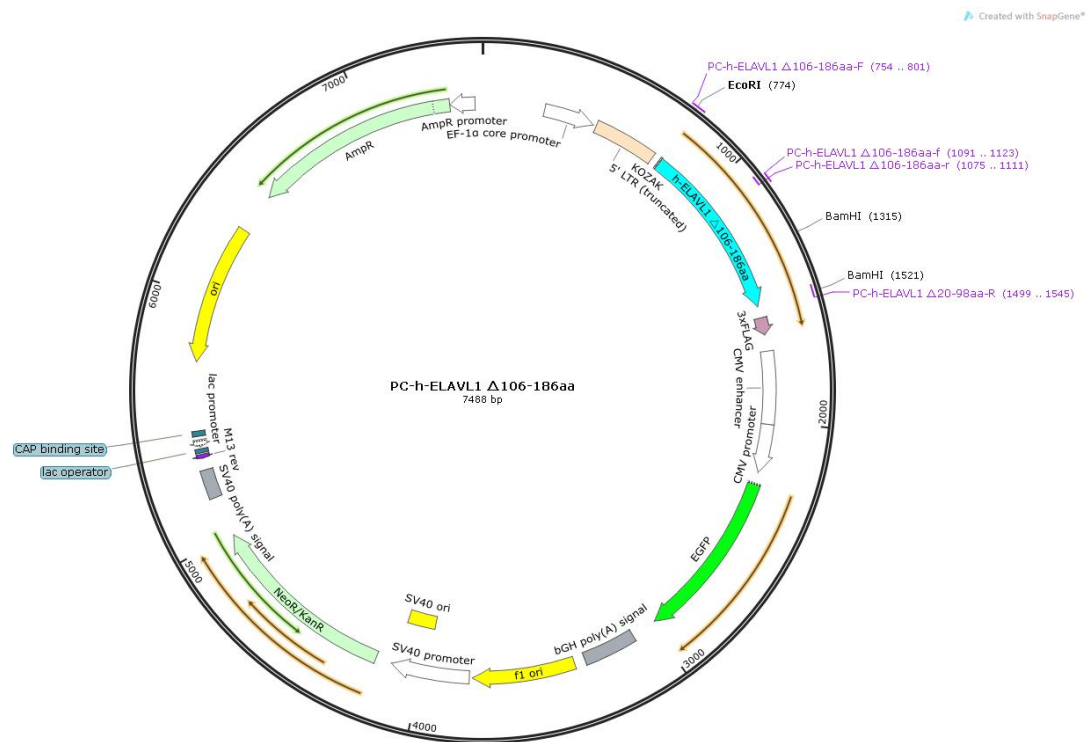
The results of sequencing comparison are shown in the following figure: (the green area is the part that matches the target sequence)

NoName	1	nenyyedueedcrgdigeevldanlyngipctatqkhdedferfgriiiaevlvdtgtlargrvifrfdkreeseaiaiefnqkpggeepivkfaaagpqnkvalliaqlyhpaetfggpbhbaqcfefpmpgdlmnglmgvrrpnaagwefifynlgdodegilleqfgyfgvotvkvircdfatnckkgf
04-19PC-h-EL	1005	nenyyedueedcrgdigeevldanlyngipctatqkhdedferfgriiiaevlvdtgtlargrvifrfdkreeseaiaiefnqkpggeepivkfaaagpqnkvalliaqlyhpaetfggpbhbaqcfefpmpgdlmnglmgvrrpnaagwefifynlgdodegilleqfgyfgvotvkvircdfatnckkgf
NoName	631	vntatyyeeaaiaaIngylgdkliqrftkakekkgcpvhwgtptcrgdykdddkdykdddkdykdddk*he*llivig-----
04-19PC-h-EL	375	vntatyyeeaaiaaIngylgdkliqrftkakekkgcpvhwgtptcrgdykdddkdykdddkdykdddk*he*llivigyyiaa*pllygyeytygkpaalcaqgppptair

h-ELAVL1 Δ 106-186aa (MUT2) plasmid construction information:

The h-ELAVL1 Δ 106-186aa (MUT2) plasmid vector was purchased from HanBio Biotechnology Company (Shanghai, China).

The map of pcDNA3.1-ef1a-MCS-3flag-CMV-EGFP vector is as follows:



Gene sequence information:

ELAVL1 Δ 106-186aa, C terminal plus 3xFlag tag.

atgtctaattggttatgaagaccacatggccgaagactgcaggggtgacatcgggagaaacgaatttgatcgtcaactacctc
cctcagaacatgaccaggatgagttacgaagcctgttcagcagcattggtgaagttgaatctgcaaaacttattcgggata
aagtagcaggacacagcttgggctatggctttgtgaactacgtgaccgcaaggatgcagagagagcgatcaacacgct
gaacggcttgaggctccagtcaaaaaccattaaggtgtcgtatgctcgcccgagctcagagggtgatcaagaccccaacc
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gtcaccaatgtgaaagtgatccgcgactcaacaccaacaagtcaaaagggtttggctttgtgacatgacaaactatgaag
aagccgcgatggccatagccagcctgaacggctaccgcctgggggacaaaatcttacaggtttccttcaaaaaccaacaag
tcccacaaa

Primer design:

PC-h-ELAVL1 Δ 106-186aa-F	aagctgtgaccggcgctacgaattcGCCACCatgtctaattggttatg
PC-h-ELAVL1 Δ 106-186aa-r	ttctggttggggcttttgatcacctctgagctcgggc
PC-h-ELAVL1 Δ 106-186aa-f	gatcaaaagacccaaccagaacaaaaacgtggc
PC-h-ELAVL1 Δ 20-98aa-R	CccATCGATggACCGGTcgGGATCCTTTGTGGGACTTGTGGTTTT G

The results of sequencing comparison are shown in the following figure: (the green area is the part that matches the target sequence)

[illegible]

h-ELAVL1 Δ 244-322aa (MUT3) plasmid construction information:

The h-ELAVL1 Δ 244-322aa (MUT3) plasmid vector was purchased from HanBio Biotechnology Company (Shanghai, China).

The map of pcdna3.1-ef1a-MCS-3flag-CMV-EGFP vector is as follows:



Gene sequence information:

ELAVL1 Δ 244-322aa, C terminal plus 3xFlag tag.

Atgtctaattggttatgaagaccacatggccgaagactgcaggggtgacatcgggagaacgaatttgatcgtcaactacctc
cctcagaacatgaccaggatgagttacgaagcctgttcagcagcattggtgaagttgaatctgaaaacttattcgggata
aagtagcaggacacagcttgggctatggctttgtgaactacgtgaccgcgaaggatgcagagagagcgtacaacacgct
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ggcaattaccagtttcaatggtcataaacccccagggttcctctgagcccatcacagtgaagttgcagccaacccaaccag
aacaaaaacgtggcactcctctcgagctgtaccactgccagcgcgacggttcggaggccccgttcaccaccaggcgc
agagattcaggttctcccccataagtcacacaaa

Primer design:

PC-h-ELAVL1 Δ 244-322aa-R	CCccATCGATggACCGGTcgGGATCctttgtgggacttcatgggggagaa cctgaatc
PC-h-ELAVL1 Δ 106-186aa-F	aagctgtgaccggcgcctacgaattcGCCACCatgtctaattggttatg

The results of sequencing comparison are shown in the following figure: (the green area is the part that matches the target sequence)

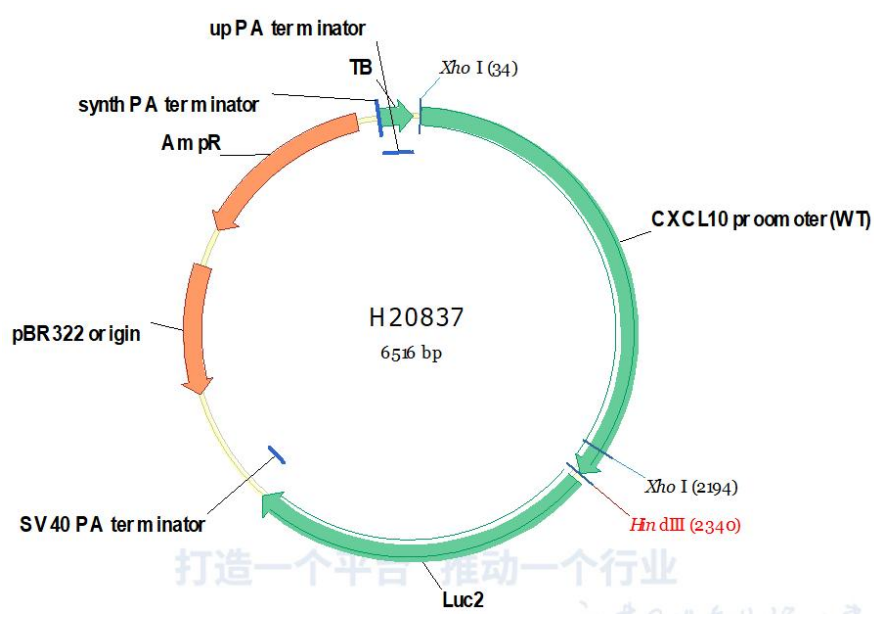
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Q4-18PC-b-EL	65	atgagtttaaaacgctgctctcgtcagctgtaccactgccagcgcgacggttcggaggccccgttcaccaccaggcgc
NoBase	631	atgagtttaaaacgctgctctcgtcagctgtaccactgccagcgcgacggttcggaggccccgttcaccaccaggcgc
Q4-18PC-b-EL	695	atgagtttaaaacgctgctctcgtcagctgtaccactgccagcgcgacggttcggaggccccgttcaccaccaggcgc

CXCL10 proomoter (WT) plasmid construction information:

The CXCL10 proomoter (WT) plasmid vector was purchased from Heyuan Biotechnology Company (Shanghai, China).

Clone serial number: H20837; GenBank ID: NR_040245.1; Gene size: 2300

The map of pGL4.10-CXCL10 proomoter(WT) vector is shown in the following figure:



Primer design:

Forward sequencing primer:	RVprimer3	CTAGCAAAATAGGCTGTCCC
Reverse sequencing primer:	Luc2-N-R	CGTCTTCGAGTGGGTAGAATG

Comparison of sequencing results:

		1	50
SEQ	(1)	CATTTCTCTGGCCTAACTGGCCGGTACCTGAGCTCGCTAGCCTCGAG	ATA
CXCL10 proomoter (WT)	(1)	-----	ATA
		51	100
SEQ	(51)	GAGTCATGGAGGGCTAAATCTAACTGGGCTTTCAATAGAAATTTATAATC	
CXCL10 proomoter (WT)	(4)	GAGTCATGGAGGGCTAAATCTAACTGGGCTTTCAATAGAAATTTATAATC	
		101	150
SEQ	(101)	TGGAAGGTGGTG CAGGCTCACTTTAAGAAGGCTCACTCAGTGCCTTCATG	
CXCL10 proomoter (WT)	(54)	TGGAAGGTGGTG CAGGCTCACTTTAAGAAGGCTCACTCAGTGCCTTCATG	
		151	200
SEQ	(151)	GTGGAATTGAGGAAACCCAGACCCAGGCAGCAACTCCCCAAGATTGCAGA	
CXCL10 proomoter (WT)	(104)	GTGGAATTGAGGAAACCCAGACCCAGGCAGCAACTCCCCAAGATTGCAGA	
		201	250
SEQ	(201)	GATAGTAAGCAGTGAAGTTGGTATGCAAATCCAGGTCTTCTGAAGCCACA	
CXCL10 proomoter (WT)	(154)	GATAGTAAGCAGTGAAGTTGGTATGCAAATCCAGGTCTTCTGAAGCCACA	
		251	300
SEQ	(251)	TCTGTAAGCCCCCTCACTATATCACTACAACACCAGGGAGAGAGAGAGAGC	
CXCL10 proomoter (WT)	(204)	TCTGTAAGCCCCCTCACTATATCACTACAACACCAGGGAGAGAGAGAGAGAGC	
		301	350
SEQ	(301)	CCGGGGTTTCTTTCTCTTGAAAACGACCAGTCACTGGAGCAGAGCTGTTT	
CXCL10 proomoter (WT)	(254)	CCGGGGTTTCTTTCTCTTGAAAACGACCAGTCACTGGAGCAGAGCTGTTT	
		351	400
SEQ	(351)	GCCCATGGAGATGAGTTTATGTGAGCCAGGTTTACAAAGAGTAGAGTGT	
CXCL10 proomoter (WT)	(304)	GCCCATGGAGATGAGTTTATGTGAGCCAGGTTTACAAAGAGTAGAGTGT	
		401	450
SEQ	(401)	GGCTGGGCACGGTGGCTCAGCCTGTAATCCCAGCACTTTGGGAGGCCGA	
CXCL10 proomoter (WT)	(354)	GGCTGGGCACGGTGGCTCAGCCTGTAATCCCAGCACTTTGGGAGGCCGA	
		451	500
SEQ	(451)	GGCAGGCAGATCACAAGGTCAGAAGATCAAGACCATCCTGGCTAACATGG	
CXCL10 proomoter (WT)	(404)	GGCAGGCAGATCACAAGGTCAGAAGATCAAGACCATCCTGGCTAACATGG	
		501	550
SEQ	(501)	TGAAACCCCATCTCTACTAAAAAATACCAAAAAATTAGCCAGGCGTGGT	
CXCL10 proomoter (WT)	(454)	TGAAACCCCATCTCTACTAAAAAATACCAAAAAATTAGCCAGGCGTGGT	
		551	600
SEQ	(551)	GGTGGGTGCCTGTAGTCCCAGCTACTTGGGAGGCTGAGGCAGGAGAAAGG	
CXCL10 proomoter (WT)	(504)	GGTGGGTGCCTGTAGTCCCAGCTACTTGGGAGGCTGAGGCAGGAGAAAGG	
		601	650
SEQ	(601)	CTTGAACCCAGGAGGCGGAGCTTGCAGTGAGCTGAGATGGCACCACCTGCG	
CXCL10 proomoter (WT)	(554)	CTTGAACCCAGGAGGCGGAGCTTGCAGTGAGCTGAGATGGCACCACCTGCG	

			651	700
	SEQ	(651)	CTCCAGCCTGGGTGACAGAGCGAGACTCTGTCAAAAAAAAAAAAAAGGGT	
CXCL10 proomoter (WT)		(604)	CTCCAGCCTGGGTGACAGAGCGAGACTCTGTCAAAAAAAAAAAAAAGGGT	
			701	750
	SEQ	(701)	AGAGTAAGAAGAAAGAAGAGTGGAGATTGCAGACAAATATGGCCAGCAA	
CXCL10 proomoter (WT)		(654)	AGAGTAAGAAGAAAGAAGAGTGGAGATTGCAGACAAATATGGCCAGCAA	
			751	800
	SEQ	(751)	GCATCTCTCTCCAGCCCTCTCTGGAGCCACGCTGTGCCCTGCTCATGAC	
CXCL10 proomoter (WT)		(704)	GCATCTCTCTCCAGCCCTCTCTGGAGCCACGCTGTGCCCTGCTCATGAC	
			801	850
	SEQ	(801)	TTTCAGTTGCTTCACTATGCAATGAAAGTCAAAGCCCAGTTCCCATGCCA	
CXCL10 proomoter (WT)		(754)	TTTCAGTTGCTTCACTATGCAATGAAAGTCAAAGCCCAGTTCCCATGCCA	
			851	900
	SEQ	(851)	CACACAGAGGAGTCCCTATCTCCTTTTCTGGCATCTTTTCTCACATTCTT	
CXCL10 proomoter (WT)		(804)	CACACAGAGGAGTCCCTATCTCCTTTTCTGGCATCTTTTCTCACATTCTT	
			901	950
	SEQ	(901)	GCCACACAGATTCTCCACTCTAGCCACATACCTTATCCTGTCCCACCCAA	
CXCL10 proomoter (WT)		(854)	GCCACACAGATTCTCCACTCTAGCCACATACCTTATCCTGTCCCACCCAA	
			951	1000
	SEQ	(951)	GGACCTTGGCTTCTACCATCCGGAAGTCTTCTGCCAACCCAGGGCTGTC	
CXCL10 proomoter (WT)		(904)	GGACCTTGGCTTCTACCATCCGGAAGTCTTCTGCCAACCCAGGGCTGTC	
			1001	1050
	SEQ	(1001)	CAAATGCCTTTTCTTTTCTTTTCTCTTTTCTTTTCTTTTCTTTTCTTTTGA	
CXCL10 proomoter (WT)		(954)	CAAATGCCTTTTCTTTTCTTTTCTCTTTTCTTTTCTTTTCTTTTCTTTTGA	
			1051	1100
	SEQ	(1051)	GACAGAGTTTGTCTCTCGTTGCCAGGCTGGAGTGCAGTGGCGCCATCTT	
CXCL10 proomoter (WT)		(1004)	GACAGAGTTTGTCTCTCGTTGCCAGGCTGGAGTGCAGTGGCGCCATCTT	
			1101	1150
	SEQ	(1101)	GGCTGACTGCAACCTCCGCCTCCTGGGTTCAAGCGATTCTCCTGCCTCAG	
CXCL10 proomoter (WT)		(1054)	GGCTGACTGCAACCTCCGCCTCCTGGGTTCAAGCGATTCTCCTGCCTCAG	
			1151	1200
	SEQ	(1151)	CCTCCCAAGTAGTTGGGATTACAGGTACCCACCACCACGCCAGCTAATT	
CXCL10 proomoter (WT)		(1104)	CCTCCCAAGTAGTTGGGATTACAGGTACCCACCACCACGCCAGCTAATT	
			1201	1250
	SEQ	(1201)	TTTGTATTTTTTTTAGCAGAGACAGGGTTTCATCGTGTGGCCAGGCTG	
CXCL10 proomoter (WT)		(1154)	TTTGTATTTTTTTTAGCAGAGACAGGGTTTCATCGTGTGGCCAGGCTG	
			1251	1300
	SEQ	(1251)	GCCAGGCTGGTCTGGAACCTCCTGAAGTTAGGTGATCCACCCACCTCAGCC	
CXCL10 proomoter (WT)		(1204)	GCCAGGCTGGTCTGGAACCTCCTGAAGTTAGGTGATCCACCCACCTCAGCC	
			1301	1350
	SEQ	(1301)	CCTCAAAGTGCTGGGATTACAGGCGTTATCCACTGCGCCCCACCCAGAT	
CXCL10 proomoter (WT)		(1254)	CCTCAAAGTGCTGGGATTACAGGCGTTATCCACTGCGCCCCACCCAGAT	
			1351	1400
	SEQ	(1351)	GCCTTTTCTATGAAGTATATCCAGTTGGAAGTAATTTTGTTTACCCCTG	

CXCL10 promoter (WT)	(1304)	GCCTTTTCTATGAAGTATATCCAGTTGGAAGTAATTTTGTTTACCGTG	1401	1450
	SEQ (1401)	GATTTCTGTACATTCACTGATTGTGCAAAGAGCTTGCCACAGGCGGCTT		
CXCL10 promoter (WT)	(1354)	GATTTCTGTACATTCACTGATTGTGCAAAGAGCTTGCCACAGGCGGCTT	1451	1500
	SEQ (1451)	GCAAGATAGTTCTCTACCTTCAAGCCTTACTTCCTCCGAAATGAGTTAGG		
CXCL10 promoter (WT)	(1404)	GCAAGATAGTTCTCTACCTTCAAGCCTTACTTCCTCCGAAATGAGTTAGG	1501	1550
	SEQ (1501)	TCCCATGACATTAGAGCCTTCGGGATATTTCTGTACAGTTCTAGTTCCTA		
CXCL10 promoter (WT)	(1454)	TCCCATGACATTAGAGCCTTCGGGATATTTCTGTACAGTTCTAGTTCCTA	1551	1600
	SEQ (1551)	GCATAGCGCCTTGTATTCTTTAGGTACCTGACAAATGGCCACCAACCCCTC		
CXCL10 promoter (WT)	(1504)	GCATAGCGCCTTGTATTCTTTAGGTACCTGACAAATGGCCACCAACCCCTC	1601	1650
	SEQ (1601)	CACCGGAGAGGACTTTTTACCAAGCCTGCAGGAAGGGCCAGCTAGGCAGG		
CXCL10 promoter (WT)	(1554)	CACCGGAGAGGACTTTTTACCAAGCCTGCAGGAAGGGCCAGCTAGGCAGG	1651	1700
	SEQ (1651)	CGTCTCCCTGCTTTGCCCAACAGTGAAAGTCACAGCACATTTCTCAATAT		
CXCL10 promoter (WT)	(1604)	CGTCTCCCTGCTTTGCCCAACAGTGAAAGTCACAGCACATTTCTCAATAT	1701	1750
	SEQ (1701)	TATTCACGTTAAAAACATCTTTTTCCTGCTAAATAGACACACTCTCCACC		
CXCL10 promoter (WT)	(1654)	TATTCACGTTAAAAACATCTTTTTCCTGCTAAATAGACACACTCTCCACC	1751	1800
	SEQ (1751)	CTCTTTTAGTCAATCTTCCACAAAATTAGATAAGGAGAAATAACCCTTTG		
CXCL10 promoter (WT)	(1704)	CTCTTTTAGTCAATCTTCCACAAAATTAGATAAGGAGAAATAACCCTTTG	1801	1850
	SEQ (1801)	TTTCACATCCGCTGACTCAGATACGAGCATTATTCAACTGGGCGGGGGTG		
CXCL10 promoter (WT)	(1754)	TTTCACATCCGCTGACTCAGATACGAGCATTATTCAACTGGGCGGGGGTG	1851	1900
	SEQ (1851)	GCAGTGGATGGGAGGGGGCTGAGCAAACACAAAGTGGAGGAAGAAGAGGA		
CXCL10 promoter (WT)	(1804)	GCAGTGGATGGGAGGGGGCTGAGCAAACACAAAGTGGAGGAAGAAGAGGA	1901	1950
	SEQ (1901)	CAGCCTAGGAGAGGGAGGGCAGAAGAAAGGAGAGCACATTGTGCAGGGGC		
CXCL10 promoter (WT)	(1854)	CAGCCTAGGAGAGGGAGGGCAGAAGAAAGGAGAGCACATTGTGCAGGGGC	1951	2000
	SEQ (1951)	ACAGTGTTTTGCTGCTCCTTTTTTTCTTTCTTTCTTAATATGGTCCTGG		
CXCL10 promoter (WT)	(1904)	ACAGTGTTTTGCTGCTCCTTTTTTTCTTTCTTTCTTAATATGGTCCTGG	2001	2050
	SEQ (2001)	CTCACAGCAAGGCCACTACCTGACAAGCAGATGAGTCACTTCTCTATGGGC		
CXCL10 promoter (WT)	(1954)	CTCACAGCAAGGCCACTACCTGACAAGCAGATGAGTCACTTCTCTATGGGC	2051	2100
	SEQ (2051)	ACAGCGGGGGTACAACCTTGATAGCTACAAAACAGACAACCTCTCGCCAT		
CXCL10 promoter (WT)	(2004)	ACAGCGGGGGTACAACCTTGATAGCTACAAAACAGACAACCTCTCGCCAT	2101	2150

	SEQ	(2101)	GCGCTCACCCCTGTTCCCAGACCCGGGTGGTGGTCTGGGGGGTTGGAAGGG
CXCL10 promoter (WT)		(2054)	GCGCTCACCCCTGTTCCCAGACCCGGGTGGTGGTCTGGGGGGTTGGAAGGG
		2151	2200
	SEQ	(2151)	GCGGGAAGGGCGCTGTCTTAAGAATCATCCTCACATCTCAGGGCTTCGCC
CXCL10 promoter (WT)		(2104)	GCGGGAAGGGCGCTGTCTTAAGAATCATCCTCACATCTCAGGGCTTCGCC
		2201	2250
	SEQ	(2201)	CCTCGAGGGAGGTGACCCTTGGCCACCCTCTGCGCAGTTCTCCCTGAAAG
CXCL10 promoter (WT)		(2154)	CCTCGAGGGAGGTGACCCTTGGCCACCCTCTGCGCAGTTCTCCCTGAAAG
		2251	2300
	SEQ	(2251)	GTCATGCCACGTCTTAGCACTCTGGTCCCTGCGCCCCTGCAGGCCTCGCG
CXCL10 promoter (WT)		(2204)	GTCATGCCACGTCTTAGCACTCTGGTCCCTGCGCCCCTGCAGGCCTCGCG
		2301	2350
	SEQ	(2301)	GATCCCCCACTTGCTCTGACGCAGGGGACGCCCACTTGCTGACGCA
CXCL10 promoter (WT)		(2254)	GATCCCCCACTTGCTCTGACGCAGGGGACGCCCACTTGCTGACGCA
		2351	2400
	SEQ	(2351)	CTTGGCAATCCGGTACTGTTGGTAAAGCCACCATGGAAGATGCCAAAAAC
CXCL10 promoter (WT)		(2301)	-----