NRCD Human Full-Length cDNA Clone

Gene Engineering Division
RIKEN BioResource Research Center

Lot# : 7677_B5Ec

RIKEN Clone ID : RBd53G04

Vector : pGCAP10

Gene	SCAP	
RefSeq_mRNA	NM_012235.4	4254 bp

● Plasmid DNA purification

Date : 2025/05/13 Culture : LB (100 ug/ml Ampicillin) 5 ml -> at 37 deg C O/N

Date : 2025/05/14 Purification : QIAGEN Miniprep kit -> dH_2O 100 ul

● Digestion by restriction enzyme/Concentrarion calibration

Date : 2025/05/14

DNA concentration (O.D.): 414 ng/ul

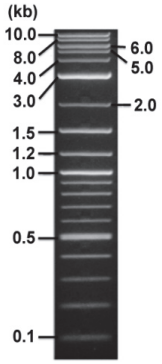
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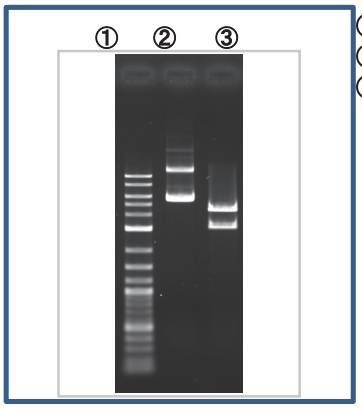
DNA	0.25 ul
Enzyme (BamHI)	1 ul
Buffer H	1 ul
dH_2O	7.75 ul
Total	10 ul

BamHI 3.1kb (vector), 4.6 kb

Erectrophoresis : 1% agarose gel, 1x TAE Buffer

Marker : 2-Log DNA Ladder (NEB#N3200L)





①:Marker
②:uncut
③:BamHI

● Confirmation of the sequence

Date : 2025/05/19

full sequence	RBd53G04hts01.seq

● Adjust plasmid DNA solution to 25 ng/ul

Date : 2025/05/20

DNA (414 ng/ul)	82 ul
10x TE	136 ul
dH_2O	1,140 ul
Total	1,358 ul

● Shipping

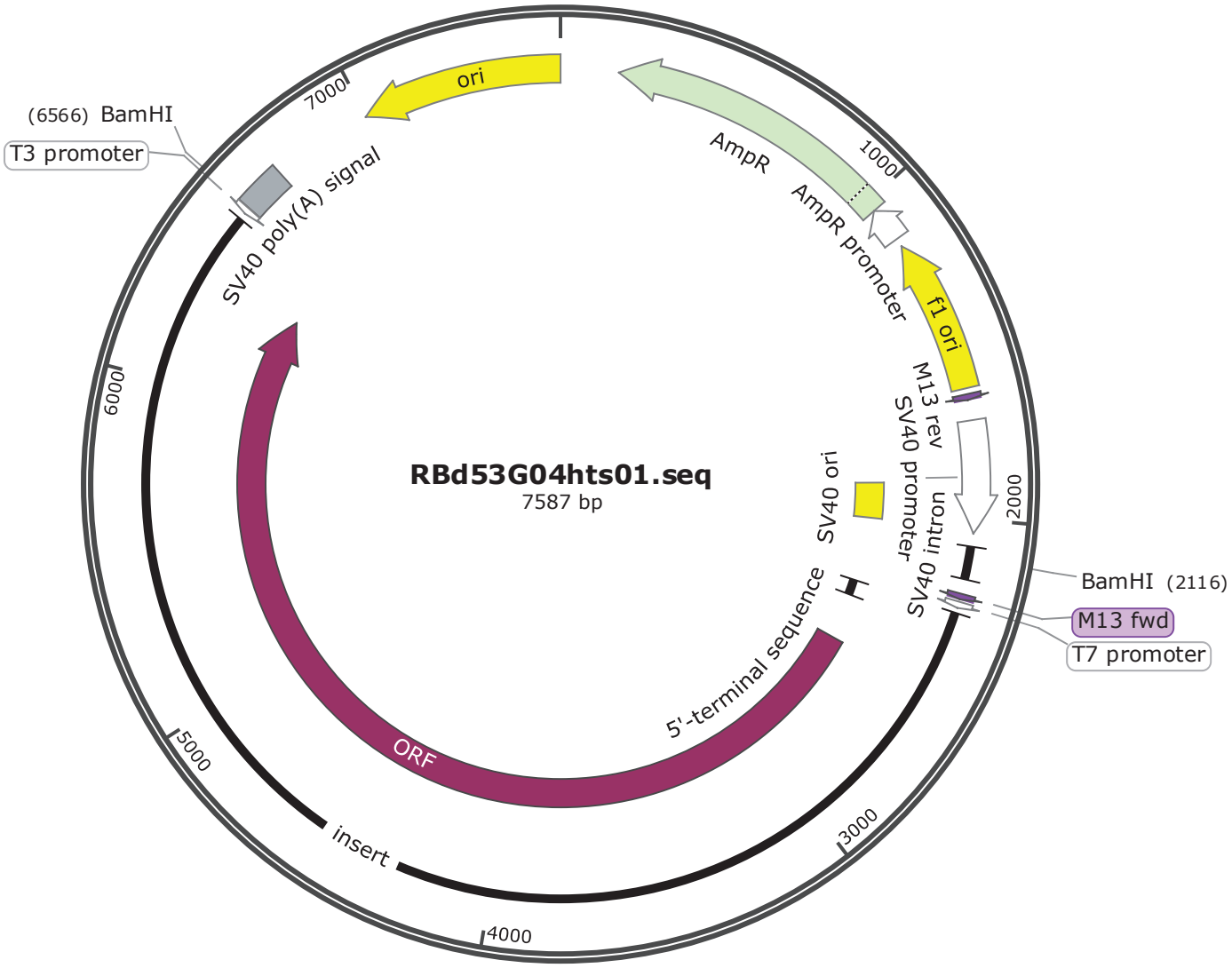
☑ Conc. : 25 ng/μl, Volume : 40 μl

☐ Conc. : ___ ng/μl, Volume : ___ μl

APPROVED BY :

検 '25.05.20 笹沼

http://dna.brc.riken.jp/index.html


RBd53G04hts01.seq
7587 bp
1000
2000
3000
4000
5000
6000
7000
ori
AmpR
AmpR promoter
f1 ori
M13 rev
SV40 promoter
SV40 intron
SV40 ori
5'-terminal sequence
ORF
insert
SV40 poly(A) signal
(6566) BamHI
T3 promoter
BamHI (2116)
M13 fwd
T7 promoter

BLAST Results

Questions/comments

Blast 2 sequences

Job title: NM_012235:Homo sapiens SREBF chaperone (SCAP),...

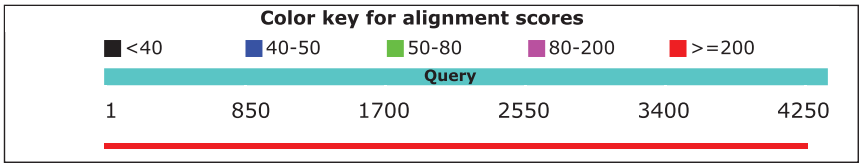
RID 2N1YJMK8114 (Expires on 05-20 09:22 am)

Query ID	NM_012235.4	**Subject ID**	lcl|Query_3913323
Description	Homo sapiens SREBF chaperone (SCAP), transcript variant 1, mRNA	**Description**	None See details
Molecule type	nucleic acid	**Molecule type**	dna
Query Length	4254	**Subject Length**	7587
		Program	BLASTN 2.16.1+

RBd53G04hts01.seq

Graphic Summary

Distribution of the top 1 Blast Hits on 1 subject sequences



Dot Matrix View

Descriptions

Sequences producing significant alignments:

Description	Max Score	Total Score	Query Cover	E value	Per. Ident	Accession
None provided	7760	7760	99%	0.0	99.88%	Query_3913323

Alignments

Sequence ID: Query_3913323 Length: 7587 Number of Matches: 1
Range 1: 2279 to 6494

Score	Expect	Identities	Gaps	Strand	Frame
7760 bits(4202)	0.0()	4214/4219(99%)	3/4219(0%)	Plus/Plus	

Features:

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Query              5     ACCCGGCGGCCAGGAGAGAGAGGGAGGGCGCCACGCACCGGACTGCGGGCCGAGAGcgcg  64
Sbjct              2279  ............................................................  2338

Query              65    cacgccgcgctccgcccctgctgccgcccccgtcgccgccgccgccgccgccgcAGCTTG  124
Sbjct              2339  ............................................................  2398

Query              125   GGAGGTGCTGCCACCACAGGTACCTGCACATGTTGTTCTTTGTCAGTGCTGTCAAGTGTG  184
Sbjct              2399  ............................................................  2458

CDS:sterol regulator 1                                                          M
Query              185   TGCCAGGGTGATCCATGGTCACTTTCCGGGATGGCAGCAAGGTGACTTCGGCTGAGGATG  244
Sbjct              2459  ............................................................  2518

CDS:sterol regulator 2     T  L  T  E  R  L  R  E  K  I  S  R  A  F  Y  N  H  G  L  L
Query              245   ACCCTGACTGAAAGGCTGCGTGAGAAGATATCTCGGGCCTTCTACAACCATGGGCTCCTC  304
Sbjct              2519  ............................................................  2578

CDS:sterol regulator 22    C  A  S  Y  P  I  P  I  I  L  F  T  G  F  C  I  L  A  C  C
Query              305   TGTGCATCCTATCCCATCCCCATCATCCTCTTCACAGGGTTCTGCATCTTAGCCTGCTGC  364
Sbjct              2579  ............................................................  2638

CDS:sterol regulator 42    Y  P  L  L  K  L  P  L  P  G  T  G  P  V  E  F  T  T  P  V
Query              365   TACCCACTGCTGAAACTCCCCTTGCCAGGAACAGGACCTGTGGAATTCACCACCCCTGTG  424
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Sbjct                2639  ..........................................................  2698

CDS:sterol regulator 62     K  D  Y  S  P  P  P  V  D  S  D  R  K  Q  G  F  P  T  E  Q
Query                425   AAGGATTACTCGCCCCCACCTGTGGACTCTGACCGCAAACAAGGAGAGCCTACTGAGCAG  484
Sbjct                2699  ..........................................................  2758

CDS:sterol regulator 82     P  E  W  Y  V  G  A  P  V  A  Y  V  Q  Q  I  F  V  K  S  S
Query                485   CCTGAGTGGTATGTGGGTGCCCCGGTGGCTTATGTCCAGCAGATATTTGTGAAGTCCTCA  544
Sbjct                2759  ..........................................................  2818

CDS:sterol regulator 102    V  F  P  W  H  K  N  L  L  A  V  D  V  F  R  S  P  L  S  R
Query                545   GTGTTTCCCTGGCACAAGAACCTCCTGGCAGTAGATGTATTTCGTTCACCTTTGTCCCGG  604
Sbjct                2819  ..........................................................  2878

CDS:sterol regulator 122    A  F  Q  L  V  E  E  I  R  N  H  V  L  R  D  S  S  G  I  R
Query                605   GCATTCCAACTGGTGGAGGAGATCCGGAACCACGTGCTGAGAGACAGCTCTGGGATCAGG  664
Sbjct                2879  ..........................................................  2938

CDS:sterol regulator 142    S  L  E  E  L  C  L  Q  V  T  D  L  L  P  G  L  R  K  L  R
Query                665   AGCTTGGAGGAGTTGTGTCTGCAAGTGACCGACCTGCTGCCAGGCCTTAGGAAGCTCAGG  724
Sbjct                2939  ..........................................................  2998

CDS:sterol regulator 162    N  L  L  P  E  H  G  C  L  L  L  S  P  G  N  F  W  Q  N  D
Query                725   AACCTACTCCCTGAGCATGGATGCCTGCTGCTGTCCCCTGGGAACTTCTGGCAGAATGAC  784
Sbjct                2999  ..........................................................  3058

CDS:sterol regulator 182    W  E  R  F  H  A  D  P  D  I  I  G  T  I  H  Q  H  F  P  K
Query                785   TGGGAACGCTTCCATGCTGATCCTGACATCATTGGGACCATCCACCAGCACGAGCCTAAA  844
Sbjct                3059  ..........................................................  3118

CDS:sterol regulator 202    T  L  Q  T  S  A  T  L  K  D  L  L  F  G  V  P  G  K  Y  S
Query                845   ACCCTGCAGACTTCAGCCACACTCAAAGACTTGTTATTTGGTGTTCCTGGGAAGTACAGC  904
Sbjct                3119  ..........................................................  3178

CDS:sterol regulator 222    G  V  S  L  Y  T  R  K  R  M  V  S  Y  T  I  T  L  V  F  Q
Query                905   GGGGTGAGCCTCTACACCAGGAAGAGGATGGTCTCCTACACCATCACCCTGGTCTTCCAG  964
Sbjct                3179  ..........................................................  3238

CDS:sterol regulator 242    H  Y  H  A  K  F  L  G  S  L  R  A  R  L  M  L  L  H  P  S
Query                965   CACTACCATGCCAAGTTCCTGGGCAGCCTGCGTGCCCGCCTGATGCTTCTGCACCCCAGC  1024
Sbjct                3239  ..........................................................  3298

CDS:sterol regulator 262    P  N  C  S  L  R  A  E  S  L  V  H  V  H  F  K  E  E  I  G
Query                1025  CCCAACTGCAGCCTTCGGGCGGAGAGCCTGGTCCACGTGCACTTCAAGGAGGAGATTGGT  1084
Sbjct                3299  ..........................................................  3358

CDS:sterol regulator 282    V  A  E  L  I  P  L  V  T  T  Y  I  I  L  F  A  Y  I  Y  F
Query                1085  GTCGCTGAGCTCATCCCCCTTGTGACCACCTACATCATCTTGTTTGCCTACATCTACTTC  1144
Sbjct                3359  ..........................................................  3418

CDS:sterol regulator 302    S  T  R  K  I  D  M  V  K  S  K  W  G  L  A  L  A  A  V  V
Query                1145  TCCACGCGGAAGATCGACATGGTCAAGTCCAAGTGGGGGCTGGCCCTGGCTGCCGTGGTC  1204
Sbjct                3419  ..........................................................  3478

CDS:sterol regulator 322    T  V  L  S  S  L  L  M  S  V  G  L  C  T  L  F  G  L  T  P
Query                1205  ACAGTGCTCAGCTCGCTGCTCATGTCTGTGGGACTCTGCACACTCTTCGGCCTGACGCCC  1264
Sbjct                3479  ..........................................................  3538

CDS:sterol regulator 342    T  L  N  G  G  E  I  F  P  Y  L  V  V  V  I  G  L  E  N  V


Query                1265  ACCCTCAATGGCGGCGAGATTTTCCCCTACCTTGTGGTGGTTATTGGGTTAGAGAATGTG  1324
Sbjct                3539  ..........................................................  3598

CDS:sterol regulator 362    L  V  L  T  K  S  V  V  S  T  P  V  D  L  E  V  K  L  R  I
Query                1325  TTGGTGCTCACCAAGTCTGTGGTCTCAACCCCGGTAGACCTGGAGGTGAAGCTGCGGATC  1384
Sbjct                3599  ..........................................................  3658

CDS:sterol regulator 382    A  Q  G  L  S  S  E  S  W  S  I  M  K  N  M  A  T  E  L  G
Query                1385  GCCCAAGGCCTAAGCAGCGAGAGCTGGTCCATCATGAAGAACATGGCCACGGAGCTGGGC  1444
Sbjct                3659  ..........................................................  3718

CDS:sterol regulator 402    I  I  L  I  G  Y  F  T  L  V  P  A  I  Q  E  F  C  L  F  A
Query                1445  ATCATCCTCATCGGCTACTTCACCCTAGTGCCCGCCATCCAGGAGTTCTGTCTCTTTGCT  1504
Sbjct                3719  ..........................................................  3778

CDS:sterol regulator 422    V  V  G  L  V  S  D  F  F  L  Q  M  L  F  F  T  T  V  L  S
Query                1505  GTCGTGGGGCTGGTGTCTGACTTCTTCCTTCAGATGCTGTTTTTCACCACTGTCCTGTCC  1564
Sbjct                3779  ..........................................................  3838

CDS:sterol regulator 442    I  D  I  R  R  M  E  L  A  D  L  N  K  R  L  P  P  E  A  C
Query                1565  ATTGACATTCGCCGGATGGAGCTAGCAGACCTGAACAAGCGACTGCCCCCTGAGGCCTGC  1624
Sbjct                3839  ..........................................................  3898

CDS:sterol regulator 462    L  P  S  A  K  P  V  G  Q  P  T  R  Y  E  R  Q  L  A  V  R
Query                1625  CTGCCCTCAGCCAAGCCAGTGGGACAGCCAACGCGCTACGAGCGGCAGCTGGCTGTGAGG  1684
Sbjct                3899  .....................G....................................  3958

CDS:sterol regulator 482    P  S  T  P  H  T  I  T  L  Q  P  S  S  F  R  N  L  R  L  P
Query                1685  CCGTCCACACCCCACACCATCACGTTGCAGCCGTCTTCCTTCCGAAACCTGCGGCTCCCC  1744
Sbjct                3959  ..........................................................  4018

CDS:sterol regulator 502    K  R  L  R  V  V  Y  F  L  A  R  T  R  L  A  Q  R  L  I  M
Query                1745  AAGAGGCTGCGTGTTGTCTACTTCCTGGCCCGCACCCGCCTGGCACAGCGCCTCATCATG  1804
Sbjct                4019  ..........................................................  4078

CDS:sterol regulator 522    A  G  T  V  V  W  I  G  I  L  V  Y  T  D  P  A  G  L  R  N
Query                1805  GCTGGCACCGTTGTCTGGATTGGCATCCTGGTATACACAGACCCAGCAGGGCTGCGCAAC  1864
Sbjct                4079  ..........................................................  4138

CDS:sterol regulator 542    Y  L  A  A  Q  V  T  E  Q  S  P  L  G  E  G  A  L  A  P  M
Query                1865  TACCTCGCTGCCCAGGTGACGGAACAGAGCCCATTGGGTGAGGGAGCCCTGGCTCCCATG  1924
Sbjct                4139  ..........................................................  4198

CDS:sterol regulator 562    P  V  P  S  G  M  L  P  P  S  H  P  D  P  A  F  S  I  F  P
Query                1925  CCCGTGCCTAGTGGCATGCTGCCCCCCAGCCACCCGGACCCTGCCTTCTCCATCTTCCCA  1984
Sbjct                4199  ..........................................................  4258

CDS:sterol regulator 582    P  D  A  P  K  L  P  E  N  Q  T  S  P  G  E  S  P  E  R  G
Query                1985  CCTGATGCCCCTAAGCTACCTGAGAACCAGACGTCGCCAGGCGAGTCACCTGAGCGTGGA  2044
Sbjct                4259  ..........................................................  4318

CDS:sterol regulator 602    G  P  A  E  V  V  H  D  S  P  V  P  E  V  T  W  G  P  E  D
Query                2045  GGTCCAGCAGAGGTTGTCCATGACAGCCCAGTCCCAGAGGTAACCTGGGGGCCTGAGGAT  2104
Sbjct                4319  ..........................................................  4378

CDS:sterol regulator 622    E  E  L  W  R  K  L  S  F  R  H  W  P  T  L  F  S  Y  Y  N
Query                2105  GAGGAACTTTGGAGGAAATTGTCCTTCCGCCACTGGCCGACGCTCTTCAGCTATTACAAC  2164
Sbjct                4379  ..........................................................  4438
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1648 A>G

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CDS:sterol regulator  642   I  T  L  A  K  R  Y  I  S  L  L  P  V  I  P  V  T  L  R  L
Query                 2165  ATCACACTGGCCAAGAGGTACATCAGCCTGCTGCCCGTCATCCCAGTCACGCTCCGCCTG  2224
Sbjct                 4439  ............................................................  4498

CDS:sterol regulator  662   N  P  R  E  A  L  E  G  R  H  P  Q  D  G  R  S  A  W  P  P
Query                 2225  AACCCGAGGGAGGCTCTGGAGGGCCGGCACCCTCAGGACGGCCGCAGTGCCTGGCCCCCA  2284
Sbjct                 4499  ............................................................  4558

CDS:sterol regulator  682   P  G  P  I  P  A  G  H  W  E  A  G  P  K  G  P  G  G  V  Q
Query                 2285  CCGGGGCCCATACCTGCTGGGCACTGGGAAGCAGGACCCAAGGGCCCAGGTGGGGTGCAG  2344
Sbjct                 4559  ............................................................  4618

CDS:sterol regulator  702   A  H  G  D  V  T  L  Y  K  V  A  A  L  G  L  A  T  G  I  V
Query                 2345  GCCCATGGAGACGTCACGCTGTACAAGGTGGCGGCGCTGGGCCTGGCCACCGGCATCGTC  2404
Sbjct                 4619  ............................................................  4678

CDS:sterol regulator  722   L  V  L  L  L  L  C  L  Y  R  V  L  C  P  R  N  Y  G  Q  L
Query                 2405  TTGGTGCTGCTGCTGCTCTGCCTCTACCGCGTGCTATGCCCGCGCAACTACGGGCAGCTG  2464
Sbjct                 4679  ............................................................  4738

CDS:sterol regulator  742   G  G  G  P  G  R  R  R  R  G  E  L  P  C  D  D  Y  G  Y  A
Query                 2465  GGTGGTGGGCCCGGGCGGCGGAGGCGCGGGGAGCTGCCCTGCGACGACTACGGCTATGCG  2524
Sbjct                 4739  ............................................................  4798

CDS:sterol regulator  762   P  P  E  T  E  I  V  P  L  V  L  R  G  H  L  M  D  I  E  C
Query                 2525  CCACCCGAGACGGAGATCGTGCCGCTTGTGCTGCGCGGCCACCTCATGGACATCGAGTGC  2584
Sbjct                 4799  ............................................................  4858

CDS:sterol regulator  782   L  A  S  D  G  M  L  L  V  S  C  C  L  A  G  H  V  C  V  W
Query                 2585  CTGGCCAGCGACGGCATGCTGCTGGTGAGCTGCTGCCTGGCAGGCCACGTCTGCGTGTGG  2644
Sbjct                 4859  ..........................................A.................  4918

CDS:sterol regulator  802   D  A  Q  T  G  D  C  L  T  R  I  P  R  P  G  R  Q  R  R  D
Query                 2645  GACGCGCAGACCGGGGATTGCCTAACGCGCATTCCGCGCCCAGGCAGGCAGCGCCGGGAC  2704
Sbjct                 4919  ..........................---...............................  4975

CDS:sterol regulator  822   S  G  V  G  S  G  L  E  A  Q  E  S  W  E  R  L  S  D  G  G
Query                 2705  AGTGGCGTGGGCAGCGGGCTTGAGGCTCAGGAGAGCTGGGAACGACTTTCAGATGGTGGG  2764
Sbjct                 4976  ............................................................  5035

CDS:sterol regulator  842   K  A  G  P  E  E  P  G  D  S  P  P  L  R  H  R  P  R  G  P
Query                 2765  AAGGCTGGTCCAGAGGAGCCTGGGGACAGCCCTCCCCTGAGACACCGCCCCCGGGGCCCT  2824
Sbjct                 5036  ............................................................  5095

CDS:sterol regulator  862   P  P  P  S  L  F  G  D  Q  P  D  L  T  C  L  I  D  T  N  F
Query                 2825  CCGCCGCCTTCCCTCTTCGGGGACCAGCCTGACCTCACCTGCTTAATTGACACCAACTTT  2884
Sbjct                 5096  ............................................................  5155

CDS:sterol regulator  882   S  A  Q  P  R  S  S  Q  P  T  Q  P  E  P  R  H  R  A  V  C
Query                 2885  TCAGCGCAGCCTCGGTCCTCACAGCCCACTCAGCCCGAGCCCCGGCACCGGGCGGTCTGT  2944
Sbjct                 5156  ............................................................  5215

CDS:sterol regulator  902   G  R  S  R  D  S  P  G  Y  D  F  S  C  L  V  Q  R  V  Y  Q
Query                 2945  GGCCGCTCTCGGGACTCCCCAGGCTATGACTTCAGCTGCCTGGTGCAGCGGGTGTACCAG  3004
Sbjct                 5216  ............................................................  5275

CDS:sterol regulator  922   E  E  G  L  A  A  V  C  T  P  A  L  R  P  P  S  P  G  P  V
Query                 3005  GAGGAGGGGCTGGCGGCCGTCTGCACACCAGCCCTGCGCCCACCCTCGCCTGGGCCGGTG  3064
Sbjct                 5276  ............................................................  5335
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2633 G>A (V798I)

2688_ 2690 "GCA"del

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CDS:sterol regulator  942   L  S  Q  A  P  E  D  E  G  G  S  P  E  K  G  S  P  S  L  A
Query                 3065  CTGTCCCAGGCCCCTGAGGACGAGGGTGGCTCCCCCGAGAAAGGCTCCCCTTCCCTCGCC  3124
Sbjct                 5336  ............................................................  5395

CDS:sterol regulator  962   W  A  P  S  A  E  G  S  I  W  S  L  E  L  Q  G  N  L  I  V
Query                 3125  TGGGCCCCCAGTGCCGAGGGTTCCATCTGGAGCTTGGAGCTGCAGGGCAACCTCATCGTG  3184
Sbjct                 5396  ............................................................  5455

CDS:sterol regulator  982   V  G  R  S  S  G  R  L  E  V  W  D  A  I  E  G  V  L  C  C
Query                 3185  GTGGGGCGGAGCAGCGGCCGGCTGGAGGTGTGGGACGCCATTGAAGGGGTGCTGTGCTGC  3244
Sbjct                 5456  ............................................................  5515

CDS:sterol regulator  1002  S  S  E  E  V  S  S  G  I  T  A  L  V  F  L  D  K  R  I  V
Query                 3245  AGCAGCGAGGAGGTCTCCTCAGGCATTACCGCTCTGGTGTTCTTGGACAAAAGGATTGTG  3304
Sbjct                 5516  ............................................................  5575

CDS:sterol regulator  1022  A  A  R  L  N  G  S  L  D  F  F  S  L  E  T  H  T  A  L  S
Query                 3305  GCTGCACGGCTCAACGGTTCCCTTGATTTCTTCTCCTTGGAGACCCACACTGCCCTCAGC  3364
Sbjct                 5576  ............................................................  5635

CDS:sterol regulator  1042  P  L  Q  F  R  G  T  P  G  R  G  S  S  P  A  S  P  V  Y  S
Query                 3365  CCCCTGCAGTTTAGAGGGACCCCAGGGCGGGGCAGTTCCCCTGCCTCTCCAGTGTACAGC  3424
Sbjct                 5636  ............................................................  5695

CDS:sterol regulator  1062  S  S  D  T  V  A  C  H  L  T  H  T  V  P  C  A  H  Q  K  P
Query                 3425  AGCAGCGACACAGTGGCCTGTCACCTGACCCACACAGTGCCCTGTGCACACCAAAAACCC  3484
Sbjct                 5696  ............................................................  5755

CDS:sterol regulator  1082  I  T  A  L  K  A  A  A  G  R  L  V  T  G  S  Q  D  H  T  L
Query                 3485  ATCACAGCCCTGAAAGCCGCTGCTGGGCGCTTGGTGACTGGGAGCCAAGACCACACACTG  3544
Sbjct                 5756  ............................................................  5815

CDS:sterol regulator  1102  R  V  F  R  L  E  D  S  C  C  L  F  T  L  Q  G  H  S  G  A
Query                 3545  AGAGTGTTCCGTCTGGAGGACTCGTGCTGCCTCTTCACCCTTCAGGGCCACTCAGGGGCC  3604
Sbjct                 5816  ............................................................  5875

CDS:sterol regulator  1122  I  T  T  V  Y  I  D  Q  T  M  V  L  A  S  G  G  Q  D  G  A
Query                 3605  ATCACGACCGTGTACATTGACCAGACCATGGTGCTGGCCAGTGGAGGACAAGATGGGGCC  3664
Sbjct                 5876  ............................................................  5935

CDS:sterol regulator  1142  I  C  L  W  D  V  L  T  G  S  R  V  S  H  V  F  A  H  R  G
Query                 3665  ATCTGCCTGTGGGATGTACTGACTGGCAGCCGGGTCAGCCATGTGTTTGCTCACCGTGGG  3724
Sbjct                 5936  ............................................................  5995

CDS:sterol regulator  1162  D  V  T  S  L  T  C  T  T  S  C  V  I  S  S  G  L  D  D  L
Query                 3725  GATGTCACCTCCCTTACCTGTACCACCTCCTGTGTCATCAGCAGTGGCCTGGATGACCTC  3784
Sbjct                 5996  ............................................................  6055

CDS:sterol regulator  1182  I  S  I  W  D  R  S  T  G  I  K  F  Y  S  I  Q  Q  D  L  G
Query                 3785  ATCAGCATCTGGGACCGCAGCACAGGCATCAAGTTCTACTCCATTCAGCAGGACCTGGGC  3844
Sbjct                 6056  ............................................................  6115

CDS:sterol regulator  1202  C  G  A  S  L  G  V  I  S  D  N  L  L  V  T  G  G  Q  G  C
Query                 3845  TGTGGTGCAAGCTTGGGTGTCATCTCAGACAACCTGCTGGTGACTGGCGGCCAGGGCTGT  3904
Sbjct                 6116  ............................................................  6175

CDS:sterol regulator  1222  V  S  F  W  D  L  N  Y  G  D  L  L  Q  T  V  Y  L  G  K  N
Query                 3905  GTCTCCTTTTGGGACCTAAACTACGGGGACCTGTTACAGACAGTCTACCTGGGGAAGAAC  3964
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Sbjct                6176  ..........................................................  6235

CDS:sterol regulator 1242   S  E  A  Q  P  A  R  Q  I  L  V  L  D  N  A  A  I  V  C  N
Query                3965  AGTGAGGCCCAGCCTGCCCGCCAGATCCTGGTGCTGGACAACGCTGCCATTGTCTGCAAC  4024
Sbjct                6236  ..........................................................  6295

CDS:sterol regulator 1262   F  G  S  E  L  S  L  V  Y  V  P  S  V  L  E  K  L  D
Query                4025  TTTGGCAGTGAGCTCAGCCTGGTGTATGTGCCCTCTGTGCTGGAGAAGCTGGACTGAGCG  4084
Sbjct                6296  ..........................................................  6355

Query                4085  CAGGGCCTCCTTGCCCAGGCAGGAGGCTGGGGTGCTGTGTGGGGGCCAATGCACTGAACC  4144
Sbjct                6356  ..........................................................  6415

Query                4145  TGGACTTGGGGGAAAGAGCCGAGTATCTTCCAGCCGCTGCCTCCTGACTGTAATAATATT  4204
Sbjct                6416  ..........................................................  6475

Query                4205  AAACTTTTTTAAAAAACCA  4223
Sbjct                6476  ..................  6494
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