NRCD Human Full-Length cDNA Clone

Gene Engineering Division
RIKEN BioResource Research Center

RIKEN Clone ID : ARe48C03

Lot# : 7672_B5Ec

Vector : pKA1U5

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.): 333 ng/ul

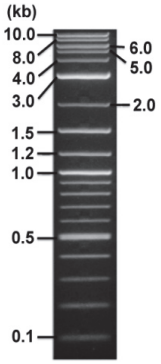
DNA	0.3 ul
Enzyme (BamHI)	1 ul
Buffer H	1 ul
dH_2O	7.7 ul
Total	10 ul

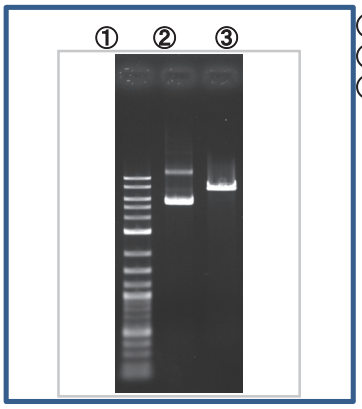
< Size of fragment expected from this clone >

BamHI 7.5 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	ARe48C03hts01.seq

● Adjust plasmid DNA solution to 25 ng/ul

Date : 2025/05/20

DNA (333 ng/ul)	82 ul
10x TE	109 ul
dH_2O	901 ul
Total	1,092 ul

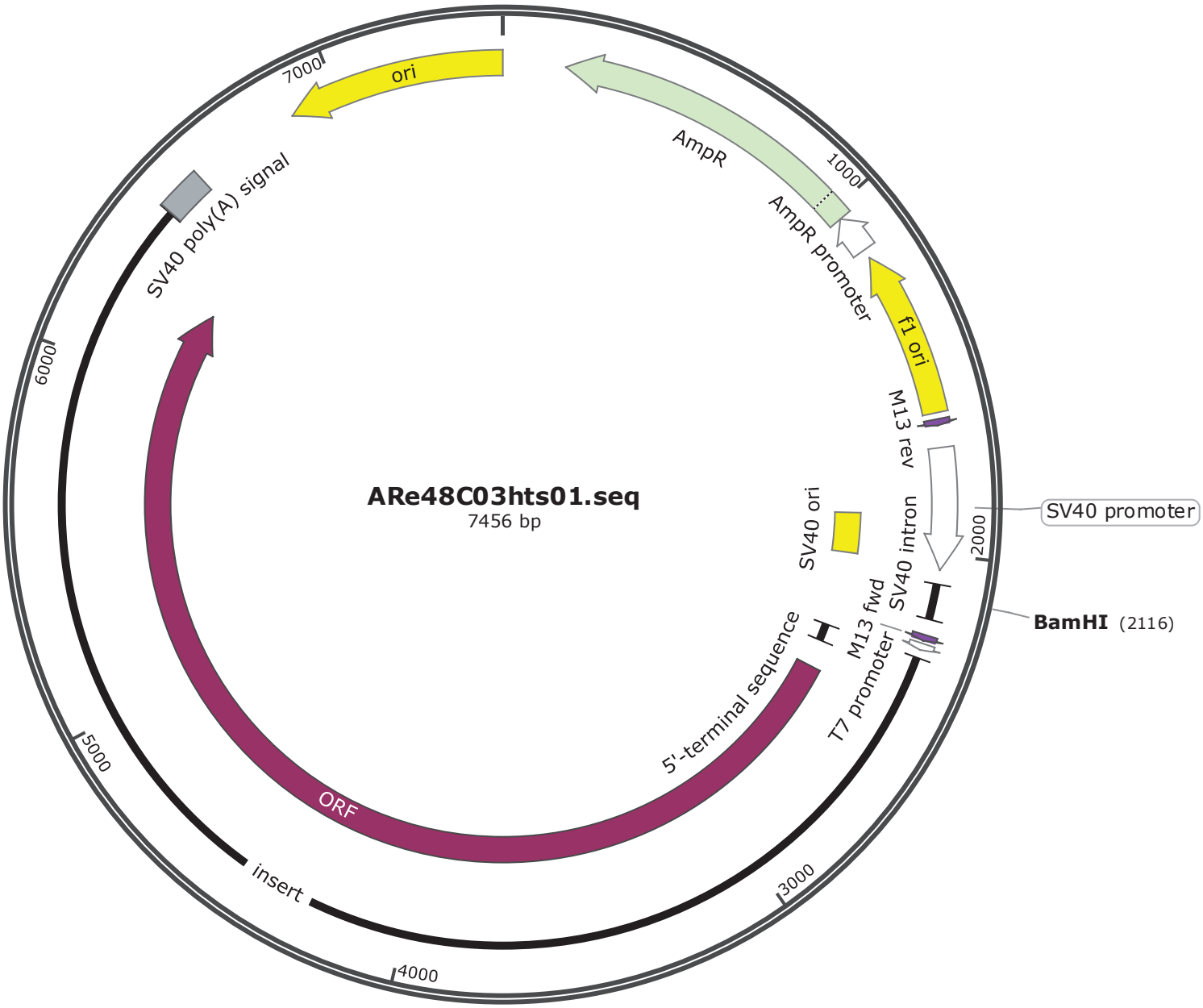
● Shipping

☑ 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


ARe48C03hts01.seq
7456 bp
1000
2000
3000
4000
5000
6000
7000
ori
AmpR
AmpR promoter
f1 ori
M13 rev
SV40 promoter
SV40 intron
SV40 ori
M13 fwd
T7 promoter
BamHI (2116)
5'-terminal sequence
ORF
insert
SV40 poly(A) signal

BLAST Results

Questions/comments

Blast 2 sequences

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

RID 2N3GPYXB114 (Expires on 05-20 09:49 am)

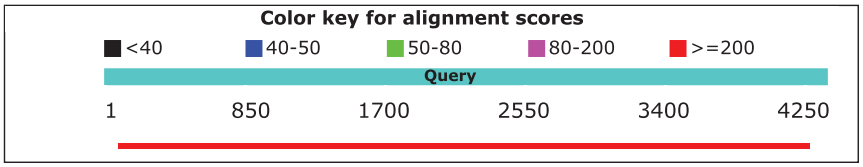
Query ID NM_012235.4
Description Homo sapiens SREBF chaperone (SCAP), transcript variant 1, mRNA
Molecule type nucleic acid
Query Length 4254

Subject ID lcl|Query_5069021
Description None
See details
Molecule type dna
Subject Length 7456
Program BLASTN 2.16.1+

ARe48C03hts01.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	7607	7607	97%	0.0	99.88%	Query_5069021

Alignments

Sequence ID: Query_5069021 Length: 7456 Number of Matches: 1
Range 1: 2286 to 6418

Score	Expect	Identities	Gaps	Strand	Frame
7607 bits(4119)	0.0()	4131/4136(99%)	3/4136(0%)	Plus/Plus	

Features:

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Query              90    gcccccgtcgccgccgccgccgccgccgcAGCTTGGGAGGTGCTGCCACCACAGGTACCT  149
Sbjct              2286  ............................................................  2345

Query              150   GCACATGTTGTTCTTTGTCAGTGCTGTCAAGTGTGTGCCAGGGTGATCCATGGTCACTTT  209
Sbjct              2346  ............................................................  2405

CDS:sterol regulator 1                                    M  T  L  T  E  R  L  R  E
Query              210   CCGGGATGGCAGCAAGGTGACTTCGGCTGAGGATGACCCTGACTGAAAGGCTGCGTGAGA  269
Sbjct              2406  ............................................................  2465

CDS:sterol regulator 10   K  I  S  R  A  F  Y  N  H  G  L  L  C  A  S  Y  P  I  P  I
Query              270   AGATATCTCGGGCCTTCTACAACCATGGGCTCCTCTGTGCATCCTATCCCATCCCCATCA  329
Sbjct              2466  ............................................................  2525

CDS:sterol regulator 30   I  L  F  T  G  F  C  I  L  A  C  C  Y  P  L  L  K  L  P  L
Query              330   TCCTCTTCACAGGGTTCTGCATCTTAGCCTGCTGCTACCCACTGCTGAAACTCCCCTTGC  389
Sbjct              2526  ............................................................  2585

CDS:sterol regulator 50   P  G  T  G  P  V  E  F  T  T  P  V  K  D  Y  S  P  P  P  V
Query              390   CAGGAACAGGACCTGTGGAATTCACCACCCCTGTGAAGGATTACTCGCCCCCACCTGTGG  449
Sbjct              2586  ............................................................  2645

CDS:sterol regulator 70   D  S  D  R  K  Q  G  E  P  T  E  Q  P  E  W  Y  V  G  A  P
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Query                450   ACTCTGACCGCAAACAAGGAGAGCCTACTGAGCAGCCTGAGTGGTATGTGGGTGCCCCGG  509
Sbjct                2646  ............................................................  2705

CDS:sterol regulator 90    V  A  Y  V  Q  Q  I  F  V  K  S  S  V  F  P  W  H  K  N  L
Query                510   TGGCTTATGTCCAGCAGATATTTGTGAAGTCCTCAGTGTTTCCCTGGCACAAGAACCTCC  569
Sbjct                2706  ............................................................  2765

CDS:sterol regulator 110   L  A  V  D  V  F  R  S  P  L  S  R  A  F  Q  L  V  E  E  I
Query                570   TGGCAGTAGATGTATTTCGTTCACCTTTGTCCCGGGCATTCCAACTGGTGGAGGAGATCC  629
Sbjct                2766  ............................................................  2825

CDS:sterol regulator 130   R  N  H  V  L  R  D  S  S  G  I  R  S  L  E  E  L  C  L  Q
Query                630   GGAACCACGTGCTGAGAGACAGCTCTGGGATCAGGAGCTTGGAGGAGTTGTGTCTGCAAG  689
Sbjct                2826  ............................................................  2885

CDS:sterol regulator 150   V  T  D  L  L  P  G  L  R  K  L  R  N  L  L  P  E  H  G  C
Query                690   TGACCGACCTGCTGCCAGGCCTTAGGAAGCTCAGGAACCTACTCCCTGAGCATGGATGCC  749
Sbjct                2886  ............................................................  2945

CDS:sterol regulator 170   L  L  L  S  P  G  N  F  W  Q  N  D  W  E  R  F  H  A  D  P
Query                750   TGCTGCTGTCCCCTGGGAACTTCTGGCAGAATGACTGGGAACGCTTCCATGCTGATCCTG  809
Sbjct                2946  ............................................................  3005

CDS:sterol regulator 190   D  I  I  G  T  I  H  Q  H  E  P  K  T  L  Q  T  S  A  T  L
Query                810   ACATCATTGGGACCATCCACCAGCACGAGCCTAAAACCCTGCAGACTTCAGCCACACTCA  869
Sbjct                3006  ............................................................  3065

CDS:sterol regulator 210   K  D  L  L  F  G  V  P  G  K  Y  S  G  V  S  L  Y  T  R  K
Query                870   AAGACTTGTTATTTGGTGTTCCTGGGAAGTACAGCGGGGTGAGCCTCTACACCAGGAAGA  929
Sbjct                3066  ............................................................  3125

CDS:sterol regulator 230   R  M  V  S  Y  T  I  T  L  V  F  Q  H  Y  H  A  K  F  L  G
Query                930   GGATGGTCTCCTACACCATCACCCTGGTCTTCCAGCACTACCATGCCAAGTTCCTGGGCA  989
Sbjct                3126  ............................................................  3185

CDS:sterol regulator 250   S  L  R  A  R  L  M  L  L  H  P  S  P  N  C  S  L  R  A  E
Query                990   GCCTGCGTGCCCGCCTGATGCTTCTGCACCCCAGCCCCAACTGCAGCCTTCGGGCGGAGA  1049
Sbjct                3186  ............................................................  3245

CDS:sterol regulator 270   S  L  V  H  V  H  F  K  E  E  I  G  V  A  E  L  I  P  L  V
Query                1050  GCCTGGTCCACGTGCACTTCAAGGAGGAGATTGGTGTCGCTGAGCTCATCCCCCTTGTGA  1109
Sbjct                3246  ............................................................  3305

CDS:sterol regulator 290   T  T  Y  I  I  L  F  A  Y  I  Y  F  S  T  R  K  I  D  M  V
Query                1110  CCACCTACATCATCTTGTTTGCCTACATCTACTTCTCCACGCGGAAGATCGACATGGTCA  1169
Sbjct                3306  ............................................................  3365

CDS:sterol regulator 310   K  S  K  W  G  L  A  L  A  A  V  V  T  V  L  S  S  L  L  M
Query                1170  AGTCCAAGTGGGGGCTGGCCCTGGCTGCCGTGGTCACAGTGCTCAGCTCGCTGCTCATGT  1229
Sbjct                3366  ............................................................  3425

CDS:sterol regulator 330   S  V  G  L  C  T  L  F  G  L  T  P  T  L  N  G  G  E  I  F
Query                1230  CTGTGGGACTCTGCACACTCTTCGGCCTGACGCCCACCCTCAATGGCGGCGAGATTTTCC  1289
Sbjct                3426  ............................................................  3485

CDS:sterol regulator 350   P  Y  L  V  V  V  I  G  L  E  N  V  L  V  L  T  K  S  V  V
Query                1290  CCTACCTTGTGGTGGTTATTGGGTTAGAGAATGTGTTGGTGCTCACCAAGTCTGTGGTCT  1349
Sbjct                3486  ............................................................  3545
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CDS:sterol regulator 370   S  T  P  V  D  L  E  V  K  L  R  I  A  Q  G  L  S  S  E  S
Query                1350  CAACCCCGGTAGACCTGGAGGTGAAGCTGCGGATCGCCCAAGGCCTAAGCAGCGAGAGCT  1409
Sbjct                3546  ............................................................  3605

CDS:sterol regulator 390   W  S  I  M  K  N  M  A  T  E  L  G  I  I  L  I  G  Y  F  T
Query                1410  GGTCCATCATGAAGAACATGGCCACGGAGCTGGGCATCATCCTCATCGGCTACTTCACCC  1469
Sbjct                3606  ............................................................  3665

CDS:sterol regulator 410   L  V  P  A  I  Q  E  F  C  L  F  A  V  V  G  L  V  S  D  F
Query                1470  TAGTGCCCGCCATCCAGGAGTTCTGTCTCTTTGCTGTCGTGGGGCTGGTGTCTGACTTCT  1529
Sbjct                3666  ............................................................  3725

CDS:sterol regulator 430   F  L  Q  M  L  F  F  T  T  V  L  S  I  D  I  R  R  M  E  L
Query                1530  TCCTTCAGATGCTGTTTTTCACCACTGTCCTGTCCATTGACATTCGCCGGATGGAGCTAG  1589
Sbjct                3726  ............................................................  3785

CDS:sterol regulator 450   A  D  L  N  K  R  L  P  P  E  A  C  L  P  S  A  K  P  V  G
Query                1590  CAGACCTGAACAAGCGACTGCCCCCTGAGGCCTGCCTGCCCTCAGCCAAGCCAGTGGGAC  1649  1648 A>G
Sbjct                3786  ............................................G.  3845

CDS:sterol regulator 470   Q  P  T  R  Y  E  R  Q  L  A  V  R  P  S  T  P  H  T  I  T
Query                1650  AGCCAACGCGCTACGAGCGGCAGCTGGCTGTGAGGCCGTCCACACCCCACACCATCACGT  1709
Sbjct                3846  ............................................................  3905

CDS:sterol regulator 490   L  Q  P  S  S  F  R  N  L  R  L  P  K  R  L  R  V  V  Y  F
Query                1710  TGCAGCCGTCTTCCTTCCGAAACCTGCGGCTCCCCAAGAGGCTGCGTGTTGTCTACTTCC  1769
Sbjct                3906  ............................................................  3965

CDS:sterol regulator 510   L  A  R  T  R  L  A  Q  R  L  I  M  A  G  T  V  V  W  I  G
Query                1770  TGGCCCGCACCCGCCTGGCACAGCGCCTCATCATGGCTGGCACCGTTGTCTGGATTGGCA  1829
Sbjct                3966  ............................................................  4025

CDS:sterol regulator 530   I  L  V  Y  T  D  P  A  G  L  R  N  Y  L  A  A  Q  V  T  E
Query                1830  TCCTGGTATACACAGACCCAGCAGGGCTGCGCAACTACCTCGCTGCCCAGGTGACGGAAC  1889
Sbjct                4026  ............................................................  4085

CDS:sterol regulator 550   Q  S  P  L  G  E  G  A  L  A  P  M  P  V  P  S  G  M  L  P
Query                1890  AGAGCCCATTGGGTGAGGGAGCCCTGGCTCCCATGCCCGTGCCTAGTGGCATGCTGCCCC  1949
Sbjct                4086  ............................................................  4145

CDS:sterol regulator 570   P  S  H  P  D  P  A  F  S  I  F  P  P  D  A  P  K  L  P  E
Query                1950  CCAGCCACCCGGACCCTGCCTTCTCCATCTTCCCACCTGATGCCCCTAAGCTACCTGAGA  2009
Sbjct                4146  ............................................................  4205

CDS:sterol regulator 590   N  Q  T  S  P  G  E  S  P  E  R  G  G  P  A  E  V  V  H  D
Query                2010  ACCAGACGTCGCCAGGCGAGTCACCTGAGCGTGGAGGTCCAGCAGAGGTTGTCCATGACA  2069
Sbjct                4206  ............................................................  4265

CDS:sterol regulator 610   S  P  V  P  E  V  T  W  G  P  E  D  E  E  L  W  R  K  L  S
Query                2070  GCCCAGTCCCAGAGGTAACCTGGGGGCCTGAGGATGAGGAACTTTGGAGGAAATTGTCCT  2129
Sbjct                4266  ............................................................  4325

CDS:sterol regulator 630   F  R  H  W  P  T  L  F  S  Y  Y  N  I  T  L  A  K  R  Y  I
Query                2130  TCCGCCACTGGCCGACGCTCTTCAGCTATTACAACATCACACTGGCCAAGAGGTACATCA  2189
Sbjct                4326  ............................................................  4385

CDS:sterol regulator 650   S  L  L  P  V  I  P  V  T  L  R  L  N  P  R  E  A  L  E  G
Query                2190  GCCTGCTGCCCGTCATCCCAGTCACGCTCCGCCTGAACCCGAGGGAGGCTCTGGAGGGCC  2249
Sbjct                4386  ............................................................  4445
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CDS:sterol regulator  670  R  H  P  Q  D  G  R  S  A  W  P  P  P  G  P  I  P  A  G  H
Query                2250  GGCACCCTCAGGACGGCCGCAGTGCCTGGCCCCCACCGGGGCCCATACCTGCTGGGCACT  2309
Sbjct                4446  ............................................................  4505

CDS:sterol regulator  690  W  E  A  G  P  K  G  P  G  G  V  Q  A  H  G  D  V  T  L  Y
Query                2310  GGGAAGCAGGACCCAAGGGCCCAGGTGGGGTGCAGGCCCATGGAGACGTCACGCTGTACA  2369
Sbjct                4506  ............................................................  4565

CDS:sterol regulator  710  K  V  A  A  L  G  L  A  T  G  I  V  L  V  L  L  L  L  C  L
Query                2370  AGGTGGCGGCGCTGGGCCTGGCCACCGGCATCGTCTTGGTGCTGCTGCTGCTCTGCCTCT  2429
Sbjct                4566  ............................................................  4625

CDS:sterol regulator  730  Y  R  V  L  C  P  R  N  Y  G  Q  L  G  G  G  P  G  R  R  R
Query                2430  ACCGCGTGCTATGCCCGCGCAACTACGGGCAGCTGGGTGGTGGGCCCGGGCGGCGGAGGC  2489
Sbjct                4626  ............................................................  4685

CDS:sterol regulator  750  R  G  E  L  P  C  D  D  Y  G  Y  A  P  P  E  T  E  I  V  P
Query                2490  GCGGGGAGCTGCCCTGCGACGACTACGGCTATGCGCCACCCGAGACGGAGATCGTGCCGC  2549
Sbjct                4686  ............................................................  4745

CDS:sterol regulator  770  L  V  L  R  G  H  L  M  D  I  F  C  L  A  S  D  G  M  L  L
Query                2550  TTGTGCTGCGCGGCCACCTCATGGACATCGAGTGCCTGGCCAGCGACGGCATGCTGCTGG  2609
Sbjct                4746  ............................................................  4805

CDS:sterol regulator  790  V  S  C  C  L  A  G  H  V  C  V  W  D  A  Q  T  G  D  C  L
Query                2610  TGAGCTGCTGCCTGGCAGGCCACGTCTGCGTGTGGGACGCGCAGACCGGGGATTGCCTAA  2669  2633 G>A (V798I)
Sbjct                4806  ......................A.....................................  4865

CDS:sterol regulator  810  T  R  I  P  R  P  G  R  Q  R  R  D  S  G  V  G  S  G  L  E
Query                2670  CGCGCATTCCGCGCCCAGGCAGGCAGCGCCGGGACAGTGGCGTGGGCAGCGGGCTTGAGG  2729  2688_ 2690"GCA"del
Sbjct                4866  ..................---.....................................  4922

CDS:sterol regulator  830  A  Q  E  S  W  E  R  L  S  D  G  G  K  A  G  P  E  E  P  G
Query                2730  CTCAGGAGAGCTGGGAACGACTTTCAGATGGTGGGAAGGCTGGTCCAGAGGAGCCTGGGG  2789
Sbjct                4923  ............................................................  4982

CDS:sterol regulator  850  D  S  P  P  L  R  H  R  P  R  G  P  P  P  P  S  L  F  G  D
Query                2790  ACAGCCCTCCCCTGAGACACCGCCCCCGGGGCCCTCCGCCGCCTTCCCTCTTCGGGGACC  2849
Sbjct                4983  ............................................................  5042

CDS:sterol regulator  870  Q  P  D  L  T  C  L  I  D  T  N  F  S  A  Q  P  R  S  S  Q
Query                2850  AGCCTGACCTCACCTGCTTAATTGACACCAACTTTTCAGCGCAGCCTCGGTCCTCACAGC  2909
Sbjct                5043  ............................................................  5102

CDS:sterol regulator  890  P  T  Q  P  E  P  R  H  R  A  V  C  G  R  S  R  D  S  P  G
Query                2910  CCACTCAGCCCGAGCCCCGGCACCGGGCGGTCTGTGGCCGCTCTCGGGACTCCCCAGGCT  2969
Sbjct                5103  ............................................................  5162

CDS:sterol regulator  910  Y  D  F  S  C  L  V  Q  R  V  Y  Q  E  E  G  L  A  A  V  C
Query                2970  ATGACTTCAGCTGCCTGGTGCAGCGGGTGTACCAGGAGGAGGGGCTGGCGGCCGTCTGCA  3029
Sbjct                5163  ............................................................  5222

CDS:sterol regulator  930  T  P  A  L  R  P  P  S  P  G  P  V  L  S  Q  A  P  E  D  E
Query                3030  CACCAGCCCTGCGCCCACCCTCGCCTGGGCCGGTGCTGTCCCAGGCCCCTGAGGACGAGG  3089
Sbjct                5223  ............................................................  5282

CDS:sterol regulator  950  G  G  S  P  E  K  G  S  P  S  L  A  W  A  P  S  A  E  G  S
Query                3090  GTGGCTCCCCCGAGAAAGGCTCCCCTTCCCTCGCCTGGGCCCCCAGTGCCGAGGGTTCCA  3149
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Sbjct                5283  ............................................................  5342

CDS:sterol regulator  970  I  W  S  L  F  L  Q  G  N  L  I  V  V  G  R  S  S  G  R  L
Query                3150  TCTGGAGCTTGGAGCTGCAGGGCAACCTCATCGTGGTGGGGCGGAGCAGCGGCCGGCTGG  3209
Sbjct                5343  ............................................................  5402

CDS:sterol regulator  990  F  V  W  D  A  I  E  G  V  L  C  C  S  S  E  E  V  S  S  G
Query                3210  AGGTGTGGGACGCCATTGAAGGGGTGCTGTGCTGCAGCAGCGAGGAGGTCTCCTCAGGCA  3269
Sbjct                5403  ............................................................  5462

CDS:sterol regulator 1010  I  T  A  L  V  F  L  D  K  R  I  V  A  A  R  L  N  G  S  L
Query                3270  TTACCGCTCTGGTGTTCTTGGACAAAAGGATTGTGGCTGCACGGCTCAACGGTTCCCTTG  3329
Sbjct                5463  ............................................................  5522

CDS:sterol regulator 1030  D  F  F  S  L  E  T  H  T  A  L  S  P  L  Q  F  R  G  T  P
Query                3330  ATTTCTTCTCCTTGGAGACCCACACTGCCCTCAGCCCCCTGCAGTTTAGAGGGACCCCAG  3389
Sbjct                5523  ............................................................  5582

CDS:sterol regulator 1050  G  R  G  S  S  P  A  S  P  V  Y  S  S  S  D  T  V  A  C  H
Query                3390  GGCGGGGCAGTTCCCCTGCCTCTCCAGTGTACAGCAGCAGCGACACAGTGGCCTGTCACC  3449
Sbjct                5583  ............................................................  5642

CDS:sterol regulator 1070  L  T  H  T  V  P  C  A  H  Q  K  P  I  T  A  L  K  A  A  A
Query                3450  TGACCCACACAGTGCCCTGTGCACACCAAAAACCCATCACAGCCCTGAAAGCCGCTGCTG  3509
Sbjct                5643  ............................................................  5702

CDS:sterol regulator 1090  G  R  L  V  T  G  S  Q  D  H  T  L  R  V  F  R  L  E  D  S
Query                3510  GGCGCTTGGTGACTGGGAGCCAAGACCACACACTGAGAGTGTTCCGTCTGGAGGACTCGT  3569
Sbjct                5703  ............................................................  5762

CDS:sterol regulator 1110  C  C  L  F  T  L  Q  G  H  S  G  A  I  T  T  V  Y  I  D  Q
Query                3570  GCTGCCTCTTCACCCTTCAGGGCCACTCAGGGGCCATCACGACCGTGTACATTGACCAGA  3629
Sbjct                5763  ............................................................  5822

CDS:sterol regulator 1130  T  M  V  L  A  S  G  G  Q  D  G  A  I  C  L  W  D  V  L  T
Query                3630  CCATGGTGCTGGCCAGTGGAGGACAAGATGGGGCCATCTGCCTGTGGGATGTACTGACTG  3689
Sbjct                5823  ............................................................  5882

CDS:sterol regulator 1150  G  S  R  V  S  H  V  F  A  H  R  G  D  V  T  S  L  T  C  T
Query                3690  GCAGCCGGGTCAGCCATGTGTTTGCTCACCGTGGGGATGTCACCTCCCTTACCTGTACCA  3749
Sbjct                5883  ............................................................  5942

CDS:sterol regulator 1170  T  S  C  V  I  S  S  G  L  D  D  L  I  S  I  W  D  R  S  T
Query                3750  CCTCCTGTGTCATCAGCAGTGGCCTGGATGACCTCATCAGCATCTGGGACCGCAGCACAG  3809
Sbjct                5943  ............................................................  6002

CDS:sterol regulator 1190  G  I  K  F  Y  S  I  Q  Q  D  L  G  C  G  A  S  L  G  V  I
Query                3810  GCATCAAGTTCTACTCCATTCAGCAGGACCTGGGCTGTGGTGCAAGCTTGGGTGTCATCT  3869
Sbjct                6003  ............................................................  6062

CDS:sterol regulator 1210  S  D  N  L  L  V  T  G  G  Q  G  C  V  S  F  W  D  L  N  Y
Query                3870  CAGACAACCTGCTGGTGACTGGCGGCCAGGGCTGTGTCTCCTTTTGGGACCTAAACTACG  3929
Sbjct                6063  ............................................................  6122

CDS:sterol regulator 1230  G  D  L  L  Q  T  V  Y  L  G  K  N  S  E  A  Q  P  A  R  Q
Query                3930  GGGACCTGTTACAGACAGTCTACCTGGGGAAGAACAGTGAGGCCCAGCCTGCCCGCCAGA  3989
Sbjct                6123  ............................................................  6182

CDS:sterol regulator 1250  I  L  V  L  D  N  A  A  I  V  C  N  F  G  S  E  L  S  L  V
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Query              3990  TCCTGGTGCTGGACAACGCTGCCATTGTCTGCAACTTTGGCAGTGAGCTCAGCCTGGTGT  4049
Sbjct              6183  ..............................................................  6242

CDS:sterol regulator 1270  Y  V  P  S  V  L  E  K  L  D
Query              4050  ATGTGCCCTCTGTGCTGGAGAAGCTGGACTGAGCGCAGGGCCTCCTTGCCCAGGCAGGAG  4109
Sbjct              6243  ..............................................................  6302

Query              4110  GCTGGGGTGCTGTGTGGGGGCCAATGCACTGAACCTGGACTTGGGGGAAAGAGCCGAGTA  4169
Sbjct              6303  ..............................................................  6362

Query              4170  TCTTCCAGCCGCTGCCTCCTGACTGTAATAATATTAAACTTTTTTAAAAAACCATA  4225
Sbjct              6363  ..................................................  6418
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