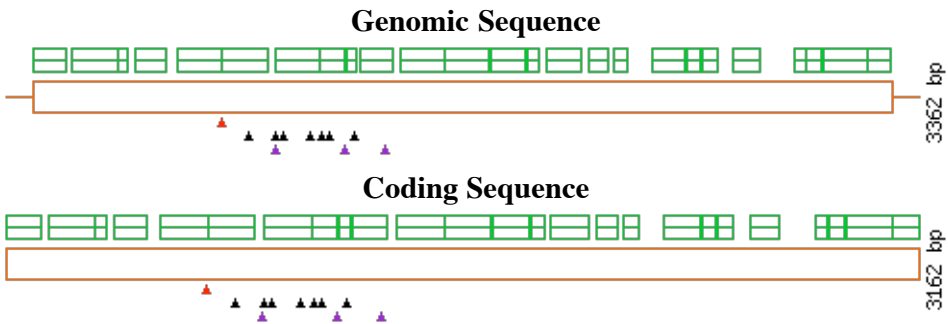


# nRIP

## User BLOCKS



For help interpreting these results, view the [PARSENP Introduction](#) page.

#	View On Sequence	Nucleotide Change	Effect	Restriction Enzyme Differences from REBASE		PSSM Difference	SIFT Score	Description	Zygoty
				Gained in Variant	Lost from Reference				
1	<a href="#">G C</a>	C794T	R232*					5511	Homo
2	<a href="#">G C</a>	T890C	S264P	<a href="#">BbvI</a> , <a href="#">BseYI</a> , <a href="#">Fnu4HI</a> , <a href="#">TseI</a>		16.7	0.00	4211	Homo
3	<a href="#">G C</a>	T890A	S264T			12.9	0.00	5136	Homo
4	<a href="#">G C</a>	T988C	T296=					6867	Homo
5	<a href="#">G C</a>	C992A	Q298K			6.8	0.21	7554	Homo
6	<a href="#">G C</a>	G1021T	M307I		<a href="#">EcoRI</a> , <a href="#">NlaIII</a>	2.6	0.38	1939	Homo
7	<a href="#">G C</a>	T1122C	L341P			9.7	0.01	4848	Homo
8	<a href="#">G C</a>	T1163A	F355I			8.0	0.16	3351, 3515	Homo
9	<a href="#">G C</a>	A1190G	N364D	<a href="#">McrI</a>		8.9	0.49	4847	Homo
10	<a href="#">G C</a>	C1246T	L382=		<a href="#">HphI</a>			7300	Homo
11	<a href="#">G C</a>	T1281A	I394N		<a href="#">FokI</a> , <a href="#">SfaNI</a>	8.0	0.19	3698	Homo
12	<a href="#">G C</a>	C1396T	D432=	<a href="#">ClaI</a> , <a href="#">DpnI</a> , <a href="#">MboI</a>				6744	Homo

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[View Variants on 3D Structure](#)

No [protein homology model](#) was submitted. You may add one using any or all of the fields below.

**Blocks Families:**

**Blocks File:**  no file selected

**Sequence Alignment:**  no file selected

## Genomic Sequence

agctgctggagttctctgctctgatcatttatggcacagatcttactgaggcattttcagtagttgtaaaac	0
	72
User BLOCK 1 (7.5e-39) IC 3.64	
<u>M T H G V E S G P E T</u>	11
accacatcagggcatattactgttgaac atg act cat ggg gtg gag tct ggc cct gaa act	133
<u>H O D S A A L T Y L E G L L M H P V</u>	29
cac cag gat tct gct gct tta aca tat ctg gaa ggt ttg cta atg cat ccg gtc	187
<u>N T G P A A T A T O</u> R S E P V H N N	47
aac act ggg cct gct gcc act gct aca caa aga tca gaa cct gtc cac aac aat	241
User BLOCK 2 (3.1e-44) IC 2.92	
<u>E E N A N S V T R A F O L H N H G A</u>	65
gaa gag aat gcc aac agc gta acc agg gca ttt cag ctg cac aac cat ggc gcc	295
<u>L S P E K G S P P S A T S O H L K K</u>	83
ctt tca cca gaa aag ggt agc ccg cct agt gca acc tcg cag cac ctt aaa aaa	349
<u>A R L L R S G A W S E D S O K O S S</u>	101
gcc agg ctg ctt cgt tca gga gca tgg agt gaa gac agc cag aaa caa tca agc	403
User BLOCK 3 (5.3e-12) IC 2.56	
<u>T G V E V N G O R R E H Y K G</u> G L D	119
act gga gtg gag gta aat gga cag aga agg gag cac tac aaa gga ggc ctg gat	457
User BLOCK 4 (1.7e-30) IC 3.33	
G S G Q G E <u>S T L L A S L L O S F S</u>	137
ggc tct ggg cag gga gag agc acc ttg ctg gct tcg ctg ctg cag tcc ttc agc	511
<u>S R L O S V A L S O H I S O S H K O</u>	155
tct cgg ctg cag agt gtc gcc ttg tca cag cac att tct caa agc cac aaa cag	565
<u>L D R E S S E S</u> A P V D P K E T Y Q	173
ctc gac aga gag agc agt gaa agt gcg cct gtt gat cct aag gaa acc tac cag	619
User BLOCK 5 (2.9e-48) IC 2.95	
S Y G T <u>A S G R L K S L M R K S K H</u>	191
agt tac ggc aca gca tca ggc cgc ctg aaa agc ctc atg agg aaa agc aag cat	673
<u>O N H N T V P Y C R O S N O N R G S</u>	209
cag aac cat aac act gtg cct tat tgc cga cag agc aac cag aac cga ggc tct	727
<u>D S P R S S O N S A O P T S S E S M</u>	227
gat tct cct cgg tcc tca caa aac tct gcc cag ccc aca agc tct gaa tca atg	781

S C T E R L K A V A S M V R T R S S 245  
tct tgc aca gaa cga ctc aag gct gtt gcc agt atg gtt cgg aca aga tcc agt 835  
tR232\*[1]

P A P S P K P S V A C S O L A L L L 263  
ccg gca cct tca ccc aaa ccc agt gtc gcc tgc agt cag ctg gca ttg ttg ctg 889

S S E A H L O O Y S R E O A L K A O 281  
tcc agc gag gct cat ctt cag caa tac tct aga gag cag gct tta aaa gca caa 943  
cS264P[2]  
aS264T[3]

L T S R S A S E R L A A M A T Q O T 299  
tta acc agt cga tca gca agt gag agg cta gct gct atg gct act caa caa aca 997  
User BLOCK 7 (3.1e-39) IC 2.96  
cT296=[4]  
aQ298K[5]

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cag gat aac aga cct ccc agc atg gga cag cca aca acc acc cca gac atg cta 1051  
tM307I[6]

S S L N A O N G T I P P L V V N S S 335  
agc tcc tta aat gct caa aac gga aca atc ccc cca tta gtg gtt aac tcc agc 1105

K S S P S L S S P S T R P P K E R R 353  
aaa agc agc cct tcc ctt tcc tca ccc tcc acg aga ccc cct aaa gag aga cgg 1159  
cL341P[7]  
User BLOCK 8 (5.1e-28) IC 3.33

P F D R H G R P P O N C S S L L L L 371  
cct ttt gac agg cac ggt cga ccg cca cag aac tgc agc agt ctg ttg ctt cta 1213  
aF355I[8] gN364D[9]

L L N N H N S O O O L T R N G H L E 389  
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tL382=[10]  
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E D C G I L P S C A S S L O S D S E 407  
gaa gac tgc ggc atc ctc cca agc tgt gcc tct tcc ttg cag tct gac agc gag 1321  
aI394N[11]  
User BLOCK 10 (1.3e-34) IC 3.41

Y S N P D N S L T K D S S D A E S L 425  
tac tcc aac ccg gat aac agc ctg acc aaa gac agc agt gat gct gag agc ttg 1375

S S C S P I D L S M K S R T S C Q K 443  
tcc agc tgt tcc ccc atc gac ctt tcc atg aaa agc aga acg tct tgc caa aaa 1429  
tD432=[12]

F E P C Y S L P P L M D K L T E S L 461  
ttt gag ccc tgc tat tcc ttg ccc ccc ttg atg gat aag ctc aca gag tct ctc 1483  
User BLOCK 11 (4.8e-45) IC 3.46

V N K W K P E T S V P K V H E A V D 479  
gta aac aaa tgg aag ccg gaa act tct gtg cca aag gtc cac gag gcc gta gat 1537

L D T S P D I K S O D K V T L M O L 497  
ctg gat acc agc ccg gac ata aaa tcc caa gat aag gtc act cta atg cag tta 1591

User BLOCK 12 (2.3e-38) IC 2.81

L L D R R N N E K V N K S S D H P G 515  
ctg ctg gac cgc aga aat aat gag aag gta aac aaa agt tca gat cat cct ggt 1645

L R S D S V I S C L T A G S L K R I 533  
ttg cgg tct gat tca gta atc agc tgc ttg act gca ggc tca ctt aaa cgc att 1699

G T P E D S R T O S P O D R O V A S 551  
ggc aca cca gag gac tcc agg aca cag agc cct cag gac cgg caa gta gct agc 1753

User BLOCK 13 (9.2e-35) IC 3.21

F S S V S P S Y S F P S P V A O S S 569  
ttc agc tca gtc tcc cct tca tac tcc ttc ccc tca ccc gtt gcc cag tcc agt 1807

P L D L C K S K A H S S E K M E P P 587  
cct tta gat ctc tgc aag tct aaa gct cac tca agt gaa aag atg gag ccg ccg 1861

F S A S K L L O N L A O S G I K N L 605  
ttc agt gcc agc aag cta ctg cag aat ttg gcc cag agt ggt ata aag aac ttg 1915

User BLOCK 14 (3.5e-13) IC 2.57

S P S P P P L H P H K L T S K R Q S 623  
tca cct tct ccc cct cct tta cac cct cac aag ttg aca agc aaa agg caa agt 1969

User BLOCK 15 (3.6e-33) IC 2.84

P V L E L G K P O A F L N R L V T P 641  
cca gta ctt gag ctt gga aag ccc cag gcc ttc ttg aat aga ctt gtc act cca 2023

A K O N S P P V L D E G S P K C E O 659  
gcc aaa cag aac agt ccc cct gta ttg gac gaa ggt tcc ccc aaa tgt gag caa 2077

S L S S S L O I E N L L E K R T V L 677  
tca ctc tct tca tca ttg cag ata gaa aac ctt ctt gag aag cgc aca gta ctg 2131

User BLOCK 16 (7.7e-18) IC 2.74

Q L L L G T A S O K E K N S G H R V 695  
cag ctt cta ctg gga aca gcc tcc caa aag gaa aaa aac agt gga cac aga gtc 2185

L E V T S R G M E K A R V G S A K C 713  
tta gaa gtt acc tca agg ggg atg gag aag gca agg gtg ggc tct gct aag tgt 2239

User BLOCK 17 (8.5e-12) IC 2.44

D S S N G P S L D P N I K K E P V E 731  
gac agc tca aat gga cct tct ctg gac cct aac atc aaa aag gag cca gta gaa 2293

E N L Q S D R F N D G V H H L S R S 749  
gag aat ctt caa tca gac cgc ttt aat gat ggg gtg cac cac ctg agt aga tca 2347

User BLOCK 18 (1.7e-31) IC 2.91

S Q H S P I A E V Q D T I K S E L C 767  
tca caa cac tcc ccc att gct gaa gta cag gac aca atc aaa tcc gag cta tgt 2401

P T E T A A K F G L L S O L L K O O 785  
ccc aca gaa aca gct gct aaa ttt gga ctt ctc agc cag ctt ttg aaa cag cag 2455

N A I Y H S S P H T R L V R N A V K 803  
aat gcc ata tac cat tcg agc cca cac aca agg ctt gtc agg aat gct gta aaa 2509

User BLOCK 19 (1.9e-15) IC 2.64  
E E P M D F H S P I P K K R K L C I 821  
gag gag cca atg gat ttt cac agt cca att ccg aag aaa aga aaa ctg tgc att 2563

User BLOCK 20 (7.2e-14) IC 2.78  
E L A E R L S S E L C O P P E D V T 839  
gag tta gct gag cgt cta agt agt gaa ctc tgt caa ccg cct gaa gat gtg act 2617

S D N P A S G T P E L K G R G L E K 857  
agc gac aat cca gca tct gga aca cct gaa ttg aaa ggt aga ggg ctg gaa aaa 2671

User BLOCK 21 (1.0e-25) IC 3.24  
L K E D K A L G S P G N K T P L S R 875  
cta aag gaa gat aaa gca cta ggg agt cca ggg aac aaa act cct ctc tcc aga 2725

E S O G F N V L K O L L L S E N C L 893  
gaa agc caa ggg ttt aat gtt ctc aag caa ctt ctc ctg tca gaa aac tgt ctg 2779

K E L S Q P R G S P S P F I P Q A N 911  
aag gag cta tcc caa ccc aga ggt agc cca agt ccc ttc atc cct cag gca aac 2833

C A A N G N L T Q S G F R Q E L S N 929  
tgt gca gcc aat ggg aac ttg acc cag tct ggt ttc cgt caa gag ttg tca aac 2887

User BLOCK 22 (1.4e-11) IC 2.66  
L P W Y P Y S F S S G P K T T P T P 947  
tta cca tgg tat ccc tat tct ttc agt tct ggc ccc aaa act acg ccc aca ccc 2941

User BLOCK 23 (9.5e-13) IC 2.22  
V D T P V W A N V S P K A S P K P V 965  
gtt gat acc cca gtt tgg gct aat gtc tct ccc aaa gcc agc cct aaa cca gtt 2995

User BLOCK 24 (3.4e-48) IC 3.14  
K K E P E G S P E E T F S R E E R S 983  
aaa aaa gaa cct gag ggg tct cct gaa gaa act ttt agc agg gag gag aga tct 3049

S P D S P P L T R S N P I L Y Y M L 1001  
agt cca gac tcg ccc cct tta acc agg tct aat ccg att ctt tac tac atg ctt 3103

O R G N G O L R P E M R D O M O S P 1019  
cag cgg gga aat ggt cag ctc aga cct gag atg cgg gat cag atg cag tcg ccc 3157

User BLOCK 25 (8.0e-39) IC 4.32  
H C V M G D Y E H R I N S P V H R O 1037  
cac tgc gtc atg ggt gac tat gag cac agg ata aac tct ccg gtt cac aga cag 3211

F H S O R E D S L N G S V E K W \* 1054  
ttt cac agc cag aga gaa gac agc cta aat ggc tct gtg gaa aaa tgg tag atgg 3266

1054  
gcacccatgaaaacaatttgatggtcaattgtctgtgatttatcttttactattattatgatttgaattt 3338

1054  
gacctagagcattgtcgcacagt 3362

## Coding Sequence

User BLOCK 1 (7.5e-39) IC 3.64

M T H G V E S G P E T H O D S A A L 18  
atg act cat ggg gtg gag tct ggc cct gaa act cac cag gat tct gct gct tta 54

T Y L E G L L M H P V N T G P A A T 36  
aca tat ctg gaa ggt ttg cta atg cat ccg gtc aac act ggg cct gct gcc act 108

User BLOCK 2 (3.1e-44) IC 2.92

A T O R S E P V H N N E E N A N S V 54  
gct aca caa aga tca gaa cct gtc cac aac aat gaa gag aat gcc aac agc gta 162

T R A F O L H N H G A L S P E K G S 72  
acc agg gca ttt cag ctg cac aac cat ggc gcc ctt tca cca gaa aag ggt agc 216

P P S A T S O H L K K A R L L R S G 90  
ccg cct agt gca acc tcg cag cac ctt aaa aaa gcc agg ctg ctt cgt tca gga 270

User BLOCK 3 (5.3e-12) IC 2.56

A W S E D S O K O S S T G V E V N G 108  
gca tgg agt gaa gac agc cag aaa caa tca agc act gga gtg gag gta aat gga 324

User BLOCK 4 (1.7e-30) IC 3.33

Q R R E H Y K G G L D G S G Q G E S 126  
cag aga agg gag cac tac aaa gga ggc ctg gat ggc tct ggg cag gga gag agc 378

T L L A S L L O S F S S R L O S V A 144  
acc ttg ctg gct tcg ctg ctg cag tcc ttc agc tct cgg ctg cag agt gtc gcc 432

L S O H I S O S H K O L D R E S S E 162  
ttg tca cag cac att tct caa agc cac aaa cag ctc gac aga gag agc agt gaa 486

User BLOCK 5 (2.9e-48) IC 2.95

S A P V D P K E T Y Q S Y G T A S G 180  
agt gcg cct gtt gat cct aag gaa acc tac cag agt tac ggc aca gca tca ggc 540

R L K S L M R K S K H O N H N T V P 198  
cgc ctg aaa agc ctc atg agg aaa agc aag cat cag aac cat aac act gtg cct 594

Y C R O S N O N R G S D S P R S S O 216  
tat tgc cga cag agc aac cag aac cga ggc tct gat tct cct cgg tcc tca caa 648

User BLOCK 6 (8.6e-58) IC 4.32

N S A O P T S S E S M S C T E R L K 234  
aac tct gcc cag ccc aca agc tct gaa tca atg tct tgc aca gaa cga ctc aag 702

tR232\*[1]

A V A S M V R T R S S P A P S P K P 252  
gct gtt gcc agt atg gtt cgg aca aga tcc agt ccg gca cct tca ccc aaa ccc 756

S V A C S O L A L L L S S E A H L O 270  
agt gtc gcc tgc agt cag ctg gca ttg ttg ctg tcc agc gag gct cat ctt cag 810

cS264P[2]

aS264T[3]

<u>O Y S R E O A L K A O L T S R S A</u> S	288
caa tac tct aga gag cag gct tta aaa gca caa tta acc agt cga tca gca agt	864
User BLOCK 7 (3.1e-39) IC 2.96	
E R L A A M A T Q <u>Q T O D N R P P S</u>	306
gag agg cta gct gct atg gct act caa caa aca cag gat aac aga cct ccc agc	918
cT296=[4] aQ298K[5]	
<u>M G O P T T T P D M L S S L N A O N</u>	324
atg gga cag cca aca acc acc cca gac atg cta agc tcc tta aat gct caa aac	972
tM307I[6]	
<u>G T I P P L V V N S S K S S P S L S</u>	342
gga aca atc ccc cca tta gtg gtt aac tcc agc aaa agc agc cct tcc ctt tcc	1026
cL341P[7]	
User BLOCK 8 (5.1e-28) IC 3.33	
<u>S P S T R P P K E R R P F D R H G R</u>	360
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aF355I[8]	
<u>P P O N C S S L L L L L L N N H N S</u>	378
ccg cca cag aac tgc agc agt ctg ttg ctt cta ctt ctt aac aat cac aac tcc	1134
gN364D[9]	
User BLOCK 9 (7.8e-12) IC 2.88	
<u>O O O L T R N G H L E E D C G I L P</u>	396
caa cag cag ctc acc aga aac gga cac cta gag gaa gac tgc ggc atc ctc cca	1188
tL382=[10] aI394N[11]	
User BLOCK 10 (1.3e-34) IC 3.41	
<u>S C A S S L O S D S E Y S N P D N S</u>	414
agc tgt gcc tct tcc ttg cag tct gac agc gag tac tcc aac ccg gat aac agc	1242
<u>L T K D S S D A E S L S S C S P I D</u>	432
ctg acc aaa gac agc agt gat gct gag agc ttg tcc agc tgt tcc ccc atc gac	1296
tD432=[12]	
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ctt tcc atg aaa agc aga acg tct tgc caa aaa ttt gag ccc tgc tat tcc ttg	1350
User BLOCK 11 (4.8e-45) IC 3.46	
<u>P P L M D K L T E S L V N K W K P E</u>	468
ccc ccc ttg atg gat aag ctc aca gag tct ctc gta aac aaa tgg aag ccg gaa	1404
<u>T S V P K V H E A V D L D T S P D I</u>	486
act tct gtg cca aag gtc cac gag gcc gta gat ctg gat acc agc ccg gac ata	1458
<u>K S O D K V T L M O L L L D R R N N</u>	504
aaa tcc caa gat aag gtc act cta atg cag tta ctg ctg gac cgc aga aat aat	1512
User BLOCK 12 (2.3e-38) IC 2.81	
<u>E K V N K S S D H P G L R S D S V I</u>	522
gag aag gta aac aaa agt tca gat cat cct ggt ttg cgg tct gat tca gta atc	1566
<u>S C L T A G S L K R I G T P E D S R</u>	540
agc tgc ttg act gca ggc tca ctt aaa cgc att ggc aca cca gag gac tcc agg	1620

T O S P O D R O V A S F S S V S P S 558  
aca cag agc cct cag gac cgg caa gta gct agc ttc agc tca gtc tcc cct tca 1674

User BLOCK 13 (9.2e-35) IC 3.21

Y S F P S P V A O S S P L D L C K S 576  
tac tcc ttc ccc tca ccc gtt gcc cag tcc agt cct tta gat ctc tgc aag tct 1728

K A H S S E K M E P P F S A S K L L 594  
aaa gct cac tca agt gaa aag atg gag ccg ccg ttc agt gcc agc aag cta ctg 1782

User BLOCK 14 (3.5e-13) IC 2.57

O N L A O S G I K N L S P S P P P L 612  
cag aat ttg gcc cag agt ggt ata aag aac ttg tca cct tct ccc cct cct tta 1836

User BLOCK 15 (3.6e-33) IC 2.84

H P H K L T S K R Q S P V L E L G K 630  
cac cct cac aag ttg aca agc aaa agg caa agt cca gta ctt gag ctt gga aag 1890

P O A F L N R L V T P A K O N S P P 648  
ccc cag gcc ttc ttg aat aga ctt gtc act cca gcc aaa cag aac agt ccc cct 1944

V L D E G S P K C E O S L S S S L O 666  
gta ttg gac gaa ggt tcc ccc aaa tgt gag caa tca ctc tct tca tca ttg cag 1998

User BLOCK 16 (7.7e-18) IC 2.74

I E N L L E K R T V L Q L L L G T A 684  
ata gaa aac ctt ctt gag aag cgc aca gta ctg cag ctt cta ctg gga aca gcc 2052

S O K E K N S G H R V L E V T S R G 702  
tcc caa aag gaa aaa aac agt gga cac aga gtc tta gaa gtt acc tca agg ggg 2106

User BLOCK 17 (8.5e-12) IC 2.44

M E K A R V G S A K C D S S N G P S 720  
atg gag aag gca agg gtg ggc tct gct aag tgt gac agc tca aat gga cct tct 2160

L D P N I K K E P V E E N L Q S D R 738  
ctg gac cct aac atc aaa aag gag cca gta gaa gag aat ctt caa tca gac cgc 2214

F N D G V H H L S R S S Q H S P I A 756  
ttt aat gat ggg gtg cac cac ctg agt aga tca tca caa cac tcc ccc att gct 2268

User BLOCK 18 (1.7e-31) IC 2.91

E V Q D T I K S E L C P T E T A A K 774  
gaa gta cag gac aca atc aaa tcc gag cta tgt ccc aca gaa aca gct gct aaa 2322

F G L L S O L L K O O N A I Y H S S 792  
ttt gga ctt ctc agc cag ctt ttg aaa cag cag aat gcc ata tac cat tcg agc 2376

User BLOCK 19 (1.9e-15) IC 2.64

P H T R L V R N A V K E E P M D F H 810  
cca cac aca agg ctt gtc agg aat gct gta aaa gag gag cca atg gat ttt cac 2430

User BLOCK 20 (7.2e-14) IC 2.78

S P I P K K R K L C I E L A E R L S 828  
agt cca att ccg aag aaa aga aaa ctg tgc att gag tta gct gag cgt cta agt 2484

S E L C O P P E D V T S D N P A S G 846

agt gaa ctc tgt caa ccg cct gaa gat gtg act agc gac aat cca gca tct gga 2538

T P E L K G R G L E K L K E D K A L User BLOCK 21 (1.0e-25) IC 3.24  
aca cct gaa ttg aaa ggt aga ggg ctg gaa aaa cta aag gaa gat aaa gca cta 864  
2592

G S P G N K T P L S R E S O G F N V 882  
ggg agt cca ggg aac aaa act cct ctc tcc aga gaa agc caa ggg ttt aat gtt 2646

L K O L L L S E N C L K E L S Q P R 900  
ctc aag caa ctt ctc ctg tca gaa aac tgt ctg aag gag cta tcc caa ccc aga 2700

G S P S P F I P Q A N C A A N G N L 918  
ggg agt cca agt ccc ttc atc cct cag gca aac tgt gca gcc aat ggg aac ttg 2754

T Q S G F R Q E L S N L P W Y P Y S User BLOCK 22 (1.4e-11) IC 2.66  
acc cag tct ggt ttc cgt caa gag ttg tca aac tta cca tgg tat ccc tat tct 936  
2808

F S S G P K T T P T P V D T P V W A User BLOCK 23 (9.5e-13) IC 2.22  
ttc agt tct ggc ccc aaa act acg ccc aca ccc gtt gat acc cca gtt tgg gct 954  
2862

N V S P K A S P K P V K K E P E G S User BLOCK 24 (3.4e-48) IC 3.14  
aat gtc tct ccc aaa gcc agc cct aaa cca gtt aaa aaa gaa cct gag ggg tct 972  
2916

P E E T F S R E E R S S P D S P P L 990  
cct gaa gaa act ttt agc agg gag gag aga tct agt cca gac tcg ccc cct tta 2970

T R S N P I L Y Y M L O R G N G O L 1008  
acc agg tct aat ccg att ctt tac tac atg ctt cag cgg gga aat ggt cag ctc 3024

R P E M R D O M O S P H C V M G D Y User BLOCK 25 (8.0e-39) IC 4.32  
aga cct gag atg cgg gat cag atg cag tcg ccc cac tgc gtc atg ggt gac tat 1026  
3078

E H R I N S P V H R O F H S O R E D 1044  
gag cac agg ata aac tct ccg gtt cac aga cag ttt cac agc cag aga gaa gac 3132

S L N G S V E K W \* 1054  
agc cta aat ggc tct gtg gaa aaa tgg tag 3162