

QUERY	1	10	20	30	40
UniRef90_UPI00035CCE98	N	N	N	N	N
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UniRef90_W6GJY5	N	N	N	N	N
UniRef90_D4W6T4	N	N	N	N	N
UniRef90_A0A011SGU1	D	D	D	D	D
UniRef90_C7HVQ4	N	N	N	N	N
UniRef90_F4HE59	N	N	N	N	N
UniRef90_D9TRG0	E	E	E	E	E
UniRef90_C8N8J5	N	N	N	N	N
UniRef90_J1F2K9	N	N	N	N	N
UniRef90_C8W7Q3	D	D	D	D	D
UniRef90_G2TQY1	N	N	N	N	N
UniRef90_D1ARP7	N	N	N	N	N
UniRef90_H3NCS4	E	E	E	E	E
UniRef90_U5MRP0	N	N	N	N	N
UniRef90_G9YB11	N	N	N	N	N
UniRef90_F2MNR4	N	N	N	N	N
UniRef90_D1AQH8	N	N	N	N	N
UniRef90_F7NDA7	N	N	N	N	N
UniRef90_UPI00020D9954	N	N	N	N	N
UniRef90_C4FAE2	N	N	N	N	N
UniRef90_E5WCA9	N	N	N	N	N
UniRef90_F5WRG1	N	N	N	N	N
UniRef90_J7SK58	N	N	N	N	N
UniRef90_U7VEC1	N	N	N	N	N
UniRef90_UPI0004687101	D	D	D	D	D
UniRef90_W7DFX3	N	N	N	N	N
UniRef90_UPI00045EC236	N	N	N	N	N
UniRef90_U2U4L3	N	N	N	N	N
UniRef90_D2TVV2	N	N	N	N	N
UniRef90_M9UBD4	N	N	N	N	N
UniRef90_E0RC56	E	E	E	E	E
UniRef90_L0IJA5	N	N	N	N	N
UniRef90_R6QIK4	K	K	K	K	K
UniRef90_U2NIU8	K	K	K	K	K
UniRef90_D4YDS3	K	K	K	K	K
UniRef90_K8FF51	E	E	E	E	E
UniRef90_R7GND0	K	K	K	K	K
UniRef90_W0HMM0	N	N	N	N	N
UniRef90_R7G898	N	N	N	N	N
UniRef90_U2UMI0	K	K	K	K	K
UniRef90_UPI0003638C00	N	N	N	N	N
UniRef90_B6GE21	K	K	K	K	K
UniRef90_I9D9P9	K	K	K	K	K
UniRef90_B1BZ08	N	N	N	N	N
UniRef90_U5MRB8	E	E	E	E	E
UniRef90_M1ZDM2	N	N	N	N	N
UniRef90_D4N1G3	K	K	K	K	K
UniRef90_G9WHI1	K	K	K	K	K
UniRef90_UPI0002E8DD50	N	N	N	N	N
UniRef90_E1L0Q9	D	D	D	D	D
UniRef90_UPI000379CF98	E	E	E	E	E
UniRef90_UPI0002F83401	N	N	N	N	N
UniRef90_Y1F8U4	N	N	N	N	N
UniRef90_X2H1Q3	K	K	K	K	K
UniRef90_C8N931	D	D	D	D	D
UniRef90_U1Y4Q5	D	D	D	D	D
UniRef90_F9VA39	N	N	N	N	N
UniRef90_R6A1R8	K	K	K	K	K
UniRef90_S2NJM8	D	D	D	D	D
UniRef90_UPI00036E257D	K	K	K	K	K
UniRef90_I7L646	K	K	K	K	K
UniRef90_S6FIU3	N	N	N	N	N
UniRef90_H3NQ58	N	N	N	N	N
UniRef90_K0D8T7	N	N	N	N	N
UniRef90_F7Z787	D	D	D	D	D
UniRef90_F4A4R7	K	K	K	K	K
UniRef90_UPI000417BD7E	N	N	N	N	N
UniRef90_G0UG22	D	D	D	D	D
UniRef90_Q7VQY5	N	N	N	N	N
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UniRef90_I3D7L2	N	N	N	N	N
UniRef90_H4GHR6	K	K	K	K	K
UniRef90_K8E5G1	N	N	N	N	N
UniRef90_R3U4N9	D	D	D	D	D
UniRef90_UPI00030C2D93	D	D	D	D	D
UniRef90_H3NCF9	N	N	N	N	N
UniRef90_C7HWV1	D	D	D	D	D
UniRef90_Q492L9	N	N	N	N	N
UniRef90_UPI000416A67C	K	K	K	K	K
UniRef90_J3VUG8	N	N	N	N	N
UniRef90_UPI00035E19E2	K	K	K	K	K
UniRef90_D2TXL8	N	N	N	N	N
UniRef90_UPI000381C169	K	K	K	K	K
UniRef90_C2BI02	K	K	K	K	K
UniRef90_X0PG99	N	N	N	N	N
UniRef90_U4TKT8	N	N	N	N	N
UniRef90_G5H465	N	N	N	N	N
UniRef90_M5J478	K	K	K	K	K

QUERY UniRef90_UPI00035CCE98 UniRef90_D0GN87 UniRef90_W6GJY5 UniRef90_D4W6T4 UniRef90_A0A011SGU1 UniRef90_C7HVQ4 UniRef90_F4HE59 UniRef90_D9TRG0 UniRef90_C8N8J5 UniRef90_J1F2K9 UniRef90_C8W7Q3 UniRef90_G2TY1 UniRef90_D1ARP7 UniRef90_H3NCS4 UniRef90_U5MRP0 UniRef90_G9YB11 UniRef90_F2MNR4 UniRef90_D1AQH8 UniRef90_F7NDA7 UniRef90_UPI00020D9954 UniRef90_C4FAE2 UniRef90_E5WCA9 UniRef90_F5WRG1 UniRef90_J7SK58 UniRef90_U7VEC1 UniRef90_UPI0004687101 UniRef90_W7DFX3 UniRef90_UPI00045EC236 UniRef90_U2U4L3 UniRef90_D2TVV2 UniRef90_M9UBD4 UniRef90_E0RC56 UniRef90_L0JA5 UniRef90_R6QIK4 UniRef90_U2NIU8 UniRef90_D4YDS3 UniRef90_K8FF51 UniRef90_R7GND0 UniRef90_U0HMM0 UniRef90_R7G898 UniRef90_U2UMI0 UniRef90_UPI0003638C00 UniRef90_B6GE21 UniRef90_I9D9P9 UniRef90_B1BZ08 UniRef90_U5MRB8 UniRef90_M1ZDM2 UniRef90_D4N1G3 UniRef90_G9WH11 UniRef90_UPI0002E8DD50 UniRef90_E1L0Q9 UniRef90_UPI000379CF98 UniRef90_UPI0002F83401 UniRef90_Y1F8U4 UniRef90_X2H1Q3 UniRef90_C8N931 UniRef90_U1Y4Q5 UniRef90_F9VA39 UniRef90_R6A1R8 UniRef90_S2NJM8 UniRef90_UPI00036E257D UniRef90_I7L646 UniRef90_S6FIU3 UniRef90_H3NQ58 UniRef90_K0D8T7 UniRef90_F7Z787 UniRef90_F4A4R7 UniRef90_UPI000417BD7E UniRef90_G0UG22 UniRef90_Q7VQY5 UniRef90_W1Q5L2 UniRef90_F2N718 UniRef90_E4KR29 UniRef90_I3D7L2 UniRef90_H4GHR6 UniRef90_K8E5G1 UniRef90_R3U4N9 UniRef90_UPI00030C2D93 UniRef90_H3NFQ9 UniRef90_C7HWV1 UniRef90_Q492L9 UniRef90_UPI000416A67C UniRef90_J3VUG8 UniRef90_UPI00035E19E2 UniRef90_D2TXL8 UniRef90_UPI000381C169 UniRef90_C2BI02 UniRef90_X0PG99 UniRef90_U4TKT8 UniRef90_G5H465 UniRef90_M5J478

50 60 70 80

L Q Q Q K L M G I T A E T Y G F G I R F F T T I E K T T I N V I G K A A P H Q K I F L
L V Q Q Q L M S L V A E S S S A S G A G I R F F T T I V E K H T I N S V I I G K A A S P S Q Q K I F L
L E Q Q K L M K M T A E S S S S G A G I R F F T T I V E K K T I N S Q V I I H K A A S D D R Q Q K I F I
F R Q S L M D M A A P S S F A G T R Y F T T I D D K K T I N E I V I H K A A S D S D S Q Q L I F L
L R K S L L T Q A A P P G V K A N V V P I L Q K K T I E D T I H K A A S R D F G R K R A L L
M R Q N L M T M A A P N G V A T R F W T L L A K K M I V E V Y N N P Y N D D R V M L
V R K T L M L K Q A A P P G V S A H V V N V A K K M I V E V Y N N P Y N D D R V M L
L R K T L L L Q V A P P G V K A N V V L T L L K K A I D V I Y K N P A Y S Q S K A L L
L V Q Q N L M E M A I P T G N V G A R F F T L L E Q K T I E D I H K A A S P S Q Q K I F L
L Q Q Q E L M S A T A E T S S G V G I R F W S L K K K T I T T I G K A A S P R S Q Q K I F L
M R Q G L M D M A A P S S G V S A T R Y F T L L Q Q K T I D D I H K A A S P R S Q Q H I F L
L Q Q Q L M S A T A E T S A G V G I R F F T L L E Q K T I D V I G K A A S P R S Q Q K I F I
L Q Q Q L M T M T A E N A G V G I R F F T V E K K T I K I I G K A A S D S Q Q K I F I
L R K N L L T Q A A P P G V K A N V V I P I E K A I D V W H D T P F G S K R A L L
L R K Q L L L Q V C P Q G Y K A Y V L P I E K A I A A Y K N P K Y F D S K T L F
L Q Q Q L M S M T A E S S M G I G I R F F S L Q K T I D I I G K A A S A A Q Q K I F I
M R Q Q L L N M A A P S A E V G T R F F S L K K T I N E V I H K A A S P N Q Q K I F I
V E K Q L L M E V V A K S P S S G V I T A S V V D I D K A L R V V Y K N P Y A F E T R A L L
I R K T L L T Q A A P V G V K V N V I P I A K K Y M E V W D D A S F A Q Q K V M L
M R Q N L M K M A A P T G V G V S T R F F S L Q K T I D V I H K A A S P G Q Q K I F I
V Q Q D L M E M V V P E A I G V R F F S L Q K T T A D L I H K A A S E D Q Q Y I F L
M R Q G L M D M A A P S Y A T T R Y W T L V A K K M V D V I H K A A S D K Q K I F L
V R S T L L K Q V A P P G V T S H V V D V L A K M V R V W N N P Y A N D R C M L
T R Q S L M N L A A P K G A Q T R Y F S L Q K T I D L I H K A A S P R Q Q L T A I
L R Q E L M T A T A E P S S G V G I R F W T L E K K T I T T I A K A A S P R Q Y I F I
I R S T L L K Q V A P P G V K S N V V D V I E K K G I R V V Y N N P T Y K T T V M L
L S Q Q L M T A T A D S S G A G I R F F T V E K K T I A I I G K A A S A K Q Q K I F I
M R Q N L M N M A A P A G V A T R Y F S I A K K T I D V I H K A A S P R Q H I F I
V R S T L L K Q V A P P G V T A H V I D V I A K C I R V V Y N N P Y A G E R V M L
L R K N L L T Q V A P P G V T S H V V D V A K A I R V Y N N P Y S A N D R V M L
L R K T L L L Q V S P G I K A Y V Y T L A N K A I E A Y N N P Y A D F K T L F
T Q Q V L L D L A A P Q G V S T R Y V T T D E T I Q K I H K A A S P H Q K I F I
L R K K L I Q E A A P P G V R A N V V P V D K M I E V S K D P R F N T K A L L
L R S T L L V Q V A P P G I K A H V L N V D D K A L R E V Y N N P K N F K A L L
M R K S L I Q Q A A P T G V I D R A N T I P V D S K L A E V I D K D P R F N T K A L L
V R K T L L T Q V A P P G V K A S V V D V Q K G I R V V Y N N P K Y A T T V M L
L R K E M L I Q A A P P G V K A H V V P I E K K M I Q V A K D P A F N T K A L V
V Q Q S L M D M V V S P G V E T R Y F T L E K K T I D V I H R A A P P R Q R I F I
M Q Q S L M T V T A K S S G A G V R F F S L E K T A A I I G N A A P E Q Q K I F I
I R R T L L K Q V A P P G I K V N V V A I E K A I A V I Y N N P Y P E E D S V F F
F R Q G L M N M A A P G Y A Q T R Y F S I E K K T I A V I D K A S P A A Q K I F I
L R K S M I M E A A P P G V K A H V V P V D K M I E V A K D P R F G T K A M L
L R K S L L L Q V S P T G I K A Y V L P I D K K A I E V Y K N P A D D R F K A L F
F R Q G L M D M A A P S Y A Q T R Y W T I E K T I N T I H K A A D R Q M I F I
L R K Q L L I Q V C P T G Y K A Y V L P I E K A I A A Y K N P K F D S K T L F
I Q Q S L M D M A A P N T V D T R Y F T I Q E T I D K I H F A A D D Q K L F L
L R K R M I E A A P P G V K A H V I P I W K M I E V S K D P R F G G E K A M L
L R K S L I T E A A P P E V K A N V I P I E K L I E I W H D P R F N Q R F L L
L Q Q Q L M E V T A Q S S G A G V R F F T L E K K T I D V I H K A A S H Q Q K I F I
V L Q Q I M T L T A K P Q A G V D V R F W T V L E K T I S T I H K A A S Q Q Q H I F I
M R K Q L L L Q V A P P G V K A Y V V P V D K A V E A Y N N P K Y D S K T L F
L Q Q Q L M A M T A K S A G A G I R F F T D D Y T A Q Q I A N A A P E Q Q K I F I
V Q Q N L M E M V L A E I A V R F W S L K K V I D N I H R A A D R Q K I F L
L R K K L I Q E A A P P G V K A N V V P I K K I E V S R D P R F N T K A L L
T R S T M L K Q A V P P G V T A H V V S L D K M M R V Y N N P Y A D D K V M L
M Q K S L M K M T A D S S G V G I R F F T L Q K T I D V I A K A S P R Q H I F I
Q R Q A L M D M A A P T G V A T R Y F S L Q K T I D I I S K A A D R Q L I F I
L R K T M L E Q A A P S G V H A N V V P I K K M A E V V K D T R D T K A M L
L Q Q Q L M A A T A D S S G V G I R F W S L D K T I S T I H K A A S T R Q H I F L
L R K Q L V L Q V T P P G L K A Y I L P I Q K A I E A F N N P K Y D S N T F F
L R K Q L L G Q A A P N D A G V K A N V V I P I A K K M I E T A K D P R A F N T H A F L
V Q Q S L M D M V V P D A L Q T R F F S L E K T I K V I N K A S A F N Q K I F L
L Q Q K L M S I T A D N S G A G T R F F S L E K T I E I I H K A A S A S Q K I F L
L R K N L L R Q Q A T P N S G V R A N I V P L K K M I E V A K D D R F G S D A F L
L R K L L L R Q Q A P P S I K S H V I T K Q K L E L E V Y Q N R L F D E K A M L
I R K T L L T Q V A P P D G I K A H V V S V D K A V R V C N N P Y A D D R V L L
V Q Q N L M D M V L P D V I Q T R F F T L Q K K I D I D V W D P R F S S R A L L
L R K N L L T Q A T P P G I T A H V I N I D K A I R V V F N N K Y A K D T V I M
L R K K L I E Q A A P P G V R A H V V P L D K F V A V S K D P R F G G E K A L V
L R K T L I T E A A P P G T K A N V V P V D K I I Q I C K D D R F G Q R L L
L R K K L I E Q A A P P A G V H A H V I P V D K L V R V Y K D P R F G T R A M L
V R S A M L K S V A P P A G V T A H V V N V E K M I R V Y N N P Y A D E R M M L
L R K S M I Q Q A A P A G V H A N T V P I K K M E V A Q D P R F G T K A M L
V Q Q N L M D M V L P E T V Q I R F F T L E K T T R I I G K A A P H Q K I L L
L R K F L L K E A A P P G V K S N V I T I K K M I E V Y N D L F E D Q K V M L
L R K T L I T Q A A P A G A V E N V I P V D K L I S V Y Q D P R F D Q K A F L
T R Q R L M D M A A P T S A E T R Y F S L Q K T L D I I H K A A D R Q Q K I F I
L R K S M I M E A A P P G V I K A H V V P I W K M A E I F E D P R F D T R A M L
I R K T L L T Q V T P P G V I T A H V L D I N K T I R V Y N N P Y A G D R V I M
I R K T L L M Q V A P P G V I T A H V V D V E K A I R V Y N N P Y A N E T V M L
L R K G L I K Q A A P S G V N A N V V P I D D K L E V A K D T R A F G E T H A I
V Q Q S L M D M V V S D G V Q T R Y F T L Q K T I D I I H K A A Q R Q K I F I
I R A T L L K Q V A P A G M K S H V V I P I D K A I R V Y N N P Y E N D T C A L L
L R K S M I M E A A P P G V K V I V I P I K K M I E I D K D P R F G T K A L L
I R K Q L L K Q A S P P G M K V N I V D V E K A I A V F N N P Y N D E T V F Y
V Q Q N L M T M V L P D T V G I R F F S L E K T I K V I G H A A P S Q K I L L
V R T K L L K Q V A P P G I K V N V S I D K A I R V Y N N P K Y E Q T V F F
L R K K L I E Q A A P V G I K A N V V P I S K M E Q V A K D P R F D T R A L V

QUERY	90	100	110	120
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UniRef90_D4W6T4	ICENT	PPQQT	VVRKAL	LVIEE
UniRef90_A0A011SGU1	LFEN	PPQQT	VVRKAL	LVIEE
UniRef90_C7HVQ4	ICES	PPQQT	VVRKAL	LVIEE
UniRef90_F4HE59	LFNTN	PPQQT	VVRKAL	LVIEE
UniRef90_D9TRG0	LFNTN	PPQQT	VVRKAL	LVIEE
UniRef90_C8N8J5	VVVRT	PPQQT	VVRKAL	LVIEE
UniRef90_J1F2K9	IVKKT	PPQQT	VVRKAL	LVIEE
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UniRef90_H3NCS4	LFEN	PPQQT	VVRKAL	LVIEE
UniRef90_U5MRP0	LFNTN	PPQQT	VVRKAL	LVIEE
UniRef90_G9YB11	VCCRT	PPQQT	VVRKAL	LVIEE
UniRef90_F2MNR4	LVNDN	PPQQT	VVRKAL	LVIEE
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UniRef90_M1ZDM2	VVVRT	PPQQT	VVRKAL	LVIEE
UniRef90_D4N1G3	LFET	PPQQT	VVRKAL	LVIEE
UniRef90_G9WHI1	LFET	PPQQT	VVRKAL	LVIEE
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S	Y	V	L	A	R	I	D	T	R	L	L	H	H	G	Q	V	A	T	S	W	T	K	S	V	N	P	T	R	I	I	V	V	S	D	N	V	V	A	K	D	D			
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D	N	I	R	L	A	R	I	D	D	R	L	I	H	H	G	Q	V	A	N	N	W	V	N	H	V	G	A	G	T	I	T	A	A	N	D	S	A	K	D	D				
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K	I	L	L	A	R	I	D	N	R	L	L	H	H	G	Q	V	A	T	G	W	N	M	V	K	P	N	L	F	I	V	I	N	D	T	V	V	A	N	D	K				
E	T																																											

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120
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L F K N P P Q T L L R L V L K E A R A I F L P P E V N A G G N M D M K K E E G N R K K E Q Q L S D A V T Y
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I F G N T K E I R Q F C E A Y P K V L Q E I N N I G G G I T K K E E G S K Q Q F S S K N T A T F Y
V V K H P P G T V L S I L C C K K G C G C G A V N V I G G G L Y F F E E G R K Q Q M V S S K N T A T F Y
L F T N P P Q D V E R L V L V E A G G V I V L K S S I N N I G G G M R Y A A G A G K K M I S S K N T A T F Y
L F T N P P L E V V A A V V E A G G V I P L S S I N N I G G G M G Y A A G A G K K M I S S K N T A T F Y
C E N I E A D V S R L A F A G Y D K I T T E I N N I G G G K A N E A G A G S K Q Q I V A S S K A I F F Y
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I F G N T A T L R A F C E A Y R K I R E I N N I G G G L A N K E G A K K Q Q Y G S A I F F Y
C V R S I E D A K L L L D G C C P S S V I K K S I N N I G G G T L L R R E P T T K K Q I S S R K A I F F Y
V V K T I H D A N I L S A G G S V S S V I K K S I N N I G G G T L L R R E P T T K K Q I S S R K A I F F Y
L A K N P P K V I K N I T D G G G V K I E A L N V I G G G M G A R K E D R T Q L L Y S R N I S A S S A S
I F G N T N S T L A F A K A Y G V D L K S E I N N I G G G P E A K E A K N R T K F Y K N T I S A S S A S
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L F K N P P Q D V L R Y L E A D G V E P F K A I N N I G G G V G M R A K E G A R T T L Y Q N I S A S S A S
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L F T N P P Q D V V R V V Q G G L S L S S V N I V G G M R S F Q V G K H M L T R N Y I S A S S A S
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V F E R G T P K E A L E F C K S C S S S V I K K S I N N I G G G A N K E E N R T K K F Y K N I S A S S A S
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I F A N P P M D V L A L L Q N G V Q L K S I N V I G G G M S F K N G K K Q L A T A I F Y
L V N S T D A L T F A K S N V G L K S I N L G G G M R A G E D K E A I S S A S
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L V K Y P P K T L Y R L M S E G I V F D H I V N I G G G M G V S G D R T K F F R N I S S A S
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V A K K P P H Y L L E L V K E G V P I E E I N V I G G N M S Q T D T T I A V T R A L S S A S
V F K Y I K E A V Q L V K E G L N I P S I N I G G G V Y Y S R E G A K Q Y N K K A T Y
L A Q G P P K F F L E L V K E G Y H L D E I N C I G G N M S T R Q E G A K Q Y N K K A T Y
V A R R P P D R F L Q L V E L G V P I T E I N V I G G N M S Q T D K T R S I L S R A V A S
L F T N S I D V N R L V E S G L K L L E K V N V I G G G M R M Q R D E R K P F I K N A S
L T K T P I T Y A R L V E G G I V E L P Q V N L G G G M G A K K G R S R F N K N V S
L A K V P P E V I E A L I D G G V V L N K V V L G G M G A K K G R S R F N K N V S

	130	140	150
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UniRef90_E6LCL8	I S D E K D R Q A F Y Y L N H R K G I E L E L R K V P A D R K V N L		
UniRef90_I7LG98	V S A Q D I A D F K Y L L A E K G S H L Y H Q M V P A E A K		
UniRef90_D9TQJ8	A S E E E R G I F K R I L E L E G T H V F V Q I I P D E K E V D L		
UniRef90_W6TBS9	V T S P E D D I E T F N A L S K S G I I H E L Y H Q M V P S N D S H Q E D L		
UniRef90_R6UAB5	V T S E E E K Q A F Q K L L G D G G I N I T T I Q M V P N D E K K V N L		
UniRef90_G4L7H6	V T T D E E E V K D F Y K L K A A G V E V S L Q L T P N N Q R E D		
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UniRef90_V9H8X6	V N H H D I Q D L H Y L N E R Q G I D L E I R K V V T D N K V Y M		
UniRef90_F4BLT2	I T D E A D D I A A F Q A L D S E R K H V E L E I R K V P S D R E K K Q Y L		
UniRef90_H3NCS3	I V T E A D D I V F R K L L S E R K G V K L T A Q L V P N E K K V D L		
UniRef90_B8F3I7	L N E S E Q E D A K K L K A L G I K Q F I Q Q V P T S K K E D L		
UniRef90_Q3Y229	L V D P E M E Q M F R E L L D S L G V R L E E N R T T P T D D P E E D L		
UniRef90_C0D6A4	U N I R E F 9 0 _ G 4 L 6 8 3		
UniRef90_G4L683	V D D E K D Q A S F H Y L L A K Q G I E L E V R K V I T D D R K I N L		
UniRef90_V6Q5D6	V D Q Q D I E A F R Y L H T R G I E L E I R K V I T D D N K Q L L		
UniRef90_R6UZV5	V N D E E I E L L K K L N D E K G V E L E V R M V P D D S K Q D V		
UniRef90_S0RT09	V T P E E D I E A F K H L N E K G V K L V A Q M V P N E D K S D		
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UniRef90_C4F9F4	L E P E E A E M L K E L L Q E R G V S V E I I R A L L A D D K K E N		
UniRef90_E2SQK3	I N D K D E T E L K E L L G E R G V S V F I Q Q L P A E S A V E L		
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UniRef90_C9A9C7	V L P E E E P I E E A L A A K K L T V T A Q L V P N E P S I D		
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UniRef90_B9Y6W3	V T P E D V A A F R E L N D R G V K F T A Q M V P T E E K I D		
UniRef90_S2ZVG5	M G E K D D V K E T L E A L K N H G I K F D V R K V P A D S G A E N		
UniRef90_F9VIL2	M G K D D V V E I E K L I S L G I K F N V K K V P S A D S G E N		
UniRef90_S0PED5	I D E K D R Q A F Y D L H S R G I E L E L R K V P T D R K L S L		
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1 10 20 30 40
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I V A V R I D D R R L L H H G Q V A T M W A G A W R N C T S R I I T V I D D D K S A T S D D
I K L V R I D D R R L L H H G Q V V F S W T K A L N S R I L M V V V D D D Q Q A A T D D T
E I V N V R I D D R R L L H H G Q V A T V W S Q V T G A T R L M V V D D D D Q V V K D D T
V V F C V E E R R L L H H G Q V T C A W A K T L D F D A F V V V D D D T A A G D D E
I S L V R I D D R R L L H H G Q V V A Y Q W T S S L G V N V I L V V D D D E A K N D E
S V V L A R I D D R R L L H H G Q V T Q W A G F T K A K R L M V V V D D D E I S A K N D
V H I R I D D R R L L H H G Q V A T R W S T G L K V N R I M V V I D D D A V S A K N D
E I K L V R I D D R R L L H H G Q V I T R W L K Q T N A N R I V V I S D D K L S A K D P
I R L V R I D D R R L L H H G Q V A T V W T K A T K I N R I L I V S D D N K V A E A E
I G S R I D D R R L L H H G Q V A N L W S T S L G I T R I M V I D D D E V A E N A
I K L V R I D D R R L L H H G Q V V F S W T K S Q Q G I N R I T V I D D D E A A T D E R
N I V L T R I D D R R L L H H G Q V V T A W L K Q Y P L I I D D D E L S Q N R
I V A A R I D D R R L L H H G Q V A N L W T T K L N L S R I M V V D D D Q V V N S D Q
S I H A R I D D R R L L H H G Q V A T V W T N S L G A Q R I M V V D D D Q A V K D E
E L V L T R I D D R R L L H H G Q V V T K W V G Q S R I V V D D D E L V N D D E
I A A R I D D R R L L H H G Q V A N L W T S S L S S R I M V V D D D E V A T S D E
N I V H T R L D D R R Y I H H G Q V A T G W L P H T Q A N L V V I C D D A V A E D S E
E V V L Y R I D D R R L L H H G Q V M T A W L G T V G A E N I A I C D D D L S K D S
I K L V R L D D R R L L H H G Q V V F S W T G H V G A Q R I I V V D D D A A N D D E
I K C L R V D D H R R L L H H G Q V V F S W T S A V L G A D C I L I A N D D D V M K D E
I K A V R I D D H R R L L H H G Q V A F T W T H F L A A T R I V I V D D D K A A N D E
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I K L I R I D D R R L L H H G Q V A F T W T P A L G A D C Q L L I A N D D K V A K D E
I Q L L R V D D H R R L L H H G Q V A F S W T Q G L G A D C Q L L I A N D D V P K N D E
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I V W T R I D D R R L L H H G Q V M T Q W L Q Y T E A N E V L I I D D D G V A K D S
E R L M R V D S R R L L H H G Q V A T N W A K V L K V D R I L V V S D D Q V A H D N T
E I L L A R I D S R R L L H H G Q V A T A W A K K V K P N R I L V V S D D S V A E D T
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I I H V R I D D R R L L H H G Q V A T M W T N T I K A T R I M I V D D D R V V K S
E V Q L L R I D S R R L L H H G Q V A T N W A K A L N I D R I L V V D D R V A Q D V
I V F A R V D D R R L L H H G Q V M T K W V K G Y N C N S I F I I D D N S L A N D E
I K L A R I D D R R L L H H G Q V A T S W S K A S Q A N R I V V A N D D A V A A D P
N I V L C R I D S R R L L H H G Q V A T K W V G Q S Q A N R I A V V D D E L E A D P
I V H I R I D D R R L L H H G Q V A T R W A T G L K V N R I M V V I D D D E V A A N E E
I N L A R I D D R R L L H H G Q V M Q V W S K G H Q T N R I F V V D D D A T A S D E
N V N I R I D S R R L L H H G Q V A G L W A P Y L Q Q I N R I M I I D D D E I A N D D S
I V Y A R V D D R R L L H H G Q V M T A W V L H T K A S K V I I V D D D K A A K D S
I K M T R V D D R R L L H H G Q V G F Y W T K F L E A D C I L I A S D N T L V E D P
N I T L A R V D D R R L L H H G Q V A Y A W T M V Y P S A D A I I V D D Q E A E K D A
I V N V R M D E R R L L H H G Q V A G I W A P S L H T Q R I I V V I D D E A A A D T
I T V C R V D D R R L L H H G Q V V F A W L G A S G S D C I L I A N D D V A T N E
S I V L T R V D D R R L L H H G Q V M T S W S K A T N A N K F M V I D D D E V A A N D
E V L A R V D A R R L L H H G Q V M T N L S K S A G A T A I F V V D D A S A H D D E
I L L R I D D H R M M H H G Q V V F S W T Q N L G A D C I L I A N D D A V A S D E
I E L V R I D D R R L L H H G Q V I V M A W C K T M P I E R I V V I D D D E V A L D D F
S I E L V R I D D R R L L H H G Q V V T G W V N E L K V I E Q I I V I L N D D K L V N D T
D I V L A R I D D R R L L H H G Q V M A S W V L H T Q A Q K I I V I D D D E V S N D S V
S I V L A R I D D R R L L H H G Q V M T S W L N Y T G A N K I I V I D D V T A N D S
I V Y I R V D S R R L L H H G Q V A T M W T N E L S L D R I M V V D D N Q I V K D R
N I V L T R V D D R R L L H H G Q V M T S W V K A T G A N K I M V V D D D Q V A Q D S
N I S V F R I D S R R L L H H G Q V V T S W A R N S K V E R I I V V D D T V A H D S
I V W A R I D D R R L L H H G Q V M T S W V Q Y T K G N E I E I V D D N E V A E D D E
I K L V R L D D R R L L H H G Q V V F S W T T T L G A Q R I I V V D D D A A S D E
I V H I R I D D R R L L H H G Q V A F W T N S L S I S R I M V V D D D E V A V D E
V L A R I D Q R R L L H H G I V V T Q W A A H T K A K R L M V V D D D E V S K D E
K I L L T R I D D R F E I Y G Q Q V E L W N E A M G S N L V L I V N D D E I A A D S
I Q L V R I D D H R R L L H H G Q V A L S W N S I K A D C I L V A N D S V I A N D A
S I A A V R I D D G R R L L H H G Q V A N M W T G V I K P S R I M V V D D N S T A N S D
I V A A R I D D G R R L L H H G Q V A N L W T K L N S R I M V V D D N E V I T S N D
I L L T R V D D H R R L L H H G Q V A F S W T Q S L G A D C I L I A N D D D V P T S N D
M T L V R I D N R R L L H H G Q V I E T W L P Y T G A K T V I V A N D D E L A H D I
S I T A V R I D D G R R L L H H G Q V A N L W T T K L G L S R I M V V D D D G V T K N A
I K M T R V D D H R R L L H H G Q V A F T W L K A V G A D C I L I A N D D A V A K D E
I A R V D E R R L L H H G Q V A T I W T H L L D A D R I I V V N N E A V H D K
I Q R I R I D D R R L L H H G Q V A F S W K S K L D F N A I V I A S D A A A N D S P
S I Q L V R I D D R R L L H H G Q V V T G W V N E Y G I E Q I I V I V N D D K L V N D S
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I K M V R I D H R R L L H H G Q V V F S W S K S L Q I N R I I V V N D D T A A T D E
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S V K F V R I D D R R L L H H G Q V V T T W L K R Y D I E Q A I I V S E E V A Q D K
I L M T R I D N R R L L H H G Q V G V T W T M T L G A N V I V V I D E A A A H D V
I T A Y R I D E R R L L H H G Q V M T S W L K Y L G L K R I I V V D N D L A Q D D
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Table with 40 columns and multiple rows of UniRef90 IDs. The table shows a highly repetitive pattern of amino acid sequences, with specific residues highlighted in yellow, green, and blue. Column headers 1, 10, 20, 30, and 40 are present at the top.

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I T E T I E D V Y R L A K G C K D I K E L I N V G G T R K T P E T T H P T P A I F
I A R K P D R F L Q L L V G H G V K L D E L N V V G N M S Q T E E T Q S L T K S I N N
L C A K P T D F A R I L V Q G G I L P E I N V V G N M H H E E G R V V V V V V V V V V
L T E T V E D M A R L V K G G L D L S Q V D I G S L A F H E E G M K M V T T N S V A
L V I E N P V D A I R L I S G G L K V V S S I N V G S L A F D A T R K M V T T D T V A
L C Q G P A P L R K M V E L G Y P S S K I T V G N M A N K P G T E H V V T D G T V V Y
I V K T P E V A Q R L D N N N V F P P E I N M G N A G K T P E R T K I T T P N V Y
I V D N T S D A L E I L V K A V K D L K H E L N L V G N M K L T S E R T K M I T P N S L A S
L V K F P Y V I A Q E I L F K A G V K L V K E L N I V G G M G A S A E R K M I F K N I S
L L P D L G S M K E V Y E G G L E V T D I Q V V G G L G G A P N R K V V F Q N I T A F
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L C N R P Q L A M A R N G F K V D H V N V V G N M S T K D D A K Q V R K T V I F F
I V K D T K D A L R L V E G G V P I S E V N I V G N T H N C E G K E K V V T R S I F F
L F K N V E Q V Y K A F K G F P L P S E V N I V G G L G S A P G S R V I F F G P I V T N
I T K N V G D M A E L V K A G L P V P S E V N I V G N V A K R E A P G S R V I F F G P I V T N
V V Q T I K E A K Q L A D G C P C I T S I N V V G N T K E S K T T T Q I S K Q V F A S
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V F E N V Y A P L A L V E N G I L K T L N L V G G M R F F K A D D K K R V S K A L S C
V T K T P Q C L C D L I R G G Y E L E D I T V V G N M S N G A D D K K R V S K A I N S
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K V L A R V D D Q R L L H G I V V N Q W A A E V Q A T K R Y M V I D D A V S K D E P
N V G V R I D D G R L L H G Q V A N L W T P K L Q Q V D R I T V I D D A A S T D D E
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K I T F A R V D D S R L L H G Q I V T K W A K S S G A N T I Y I I D D A V R S D D D
I K L V R I D D D R L L H G Q V A V G W T S S A G A N T I F V V V N D D E A K N D K
I Q L L R I D D G R L L H G Q V A N S W V Q G L G S D C I F C V G D D K V A S D P
I T A V R I D D H R L L H G Q V A N L W S T K L G L T R I M V I D D K V A A S D
S V N A R I D D E R L L H G Q V A G I W T S L V D T Q R I T V A N A D A A N D P
I V L A R V D D D R L L H G Q V L E A W V P H V L P A K E I L I V D D V V A Q D P P
S L V L V R I D D Q R L L H G I V V T Q Y A S S T K A K R I M V V D D E A S K D E D
I T A V R I D D G R L L H G Q V A N L W T T K L G V T R I M V I D D Q V A A S D
N L V L T R I D D D R L L H G Q V M N T K W L K E T G A E D I L I I D D A T A A N D
E L T L T R I D D N R L L H G Q V I V K W S R I A N S N R I L I V D D T L S N D P
N I E M M R I D D E R L L H G Q V G M W L K F L G V N T V I V A N D D V A S E D K
I S L V R I D D D R L L H G Q V A F G W T A L G I N T I L V A N D D A K N D
S V T L I R I D D D R L L H G Q T V T R W V G T R P C K G I L I V D N E I A N D P
S I I G T R I D D G R L L H G Q V A N L W V T K L Q I S R I M V V D D K T A T S Q D
I K V V R I D D H R L L H G Q V V F A W T K S Q N I D R I I V I D N K A S T S D D
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N I S V F R I D D E R L L H G Q I V T A W I A D A Q A S Q I V V A D D K A V A N D E
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I V K E P P S M L L T L K L M D A G V E I P S E I V N L N G G V I F E E D A D G R R K D K L Y N T S K R S I N I V A N F
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L A K Y P E Q T F Y L L L E A G G V I E I L H E E I T I G G M G A K A R E N G R K K V L Y T S K N S I N I V A N F C
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I V R T V Q D A L E L T K A G A G V N Q T T T V N V G G G V I K K K N E E N R T R K Q L V A R N L V A N F H
L V K S P L P W E L T K A Q D V N F D T T L T V V G G G M G V V I K K E E N R T R K Q L V A R N L V A N F
I C G S C E D A E T L C A G A A E I K E V L D L G G G R F E A G E E A R T S I L S N Q V A F Y
L V K K P E T L V K L S D G V K F P E E L V I G G G P A E G E A V L K L S N Q R S A Y
L F S S L A D A R R A Y S D I G V K R F E E L N I V A N V I G R R F D E G K T K Q L N E P C I I
L T N S L Q D T L E I V K N C P D V E S V N V A N V I G R R F D E G K T K Q L N E P C I I
V T N E S V K Y V A G L V P K L K E K S P M L N M A N G Y G R R I G G G K T K E N F T S T V Y N
V V E S V D D A Y K L V I E A G V G Q I L N L G G G T K R I G G G K T K E N F T S T V Y N
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I F A N V Y T P L R L I E N Q V V Q I Q D N L N L G G G T K R F H E G S T R R S R K F Y R N L A
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I V E S I K D A E R L K E C E N L K K L N L G G T K A T A E T R Q I S K A M N
I F K S I S G A H Q A H C A G F D F K T L Q I G G G C Y S P E K R N V F G P Y Y
L V K T P Q V V E A L I N E G I L L D K V T L G G M G A K S G R R K F N R A V S
I V E S V K D A Y E L M T K A D I I V T L G G T K A T A E T K N I S K A V N Y
V V S S P K D V L A L A E Q G F P V G E V N V G G N I H A K E N K V I S Q A I Y
L F K D P A S A A K A Y Q A G V K Y P S I L Q V G G V I E G A G D K K N I C R N I V

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UniRef90_R6ULD2	S	S	H	V	D
UniRef90_R5Z9B9	K	D	H	V	D
UniRef90_G5I9R9	I	D	H	V	D
UniRef90_UPI0002F4F4EB	V	D	H	V	D
UniRef90_D2ELN7	I	D	H	V	D
UniRef90_F4LWW2	D	R	H	V	D
UniRef90_K6P7H0	S	S	H	V	D
UniRef90_E6VWJ3	M	D	H	V	D
UniRef90_R5ZRM5	E	K	H	V	D
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UniRef90_D5E5I8	K	D	H	V	D
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90 100 110 120
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L F K N V D Q V F K E A V R R G G F K I S D E I L N Q I N V G G N M S S N A T G R R A K K Y A T T L W
L V K T P M V V N E L I A E G G L E I S D E I L N Q I N V G G N M S S N A T G R R A K K Y A T T L W
M L R N P A T A L R L Q E N A G G F Q K I P D R I V I G N I T R N D R T S G T K K V L S R F L S
V C E G P G V F L R L Q E A G G F Q K I P D R I V I G N I T R N D R T S G T K K V L S R F L S
V F G N T A E M L R Q F C Q G G Y K L D A V I N L G G A T A N H D G A D Q V L S S R S V F S
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I F G D V L Q A G Q I V P L L E G V K E I N Y G G V K N R P D T K R F S S N A V N F F T
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L L P D L K T L K Q V I D A G G L Y E G E V Q I N I G G R I P S G G P G Q R K K V H F Q N I V A
L F S N C A D A K R A Y D S G F A Y D V L N I V G N V H Y S P G K R K Q I S F P S V A
U N I R E F 9 0 _ F 4 L W W 2 I S K D I E T Q C L K L V E A K G V E V P A I N V G R A V A P A N E E G D G R H K L I T T D T G V V
U N I R E F 9 0 _ K 6 P 7 H 0 I L L P D L K T L K Q V I D A G G L Y E G E V Q I N I G G R I P S G G P G Q R K K V H F Q N I V A
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U N I R E F 9 0 _ X 0 P C X 7 V L N D P K Q V A A L L A Q N A G G L Y E G E V P A I N V G R A V A P A N E E G D G R H K L I T T D T G V V
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U N I R E F 9 0 _ Q 8 R F Q 7 I V E S I E D A Y K L T K E T N E I K Q L N I G G G L K P R E N S K N I S K T I N S
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I K S I R L D E R R L I H H G Q V V A T K W S R V L G V N R I I V A N D E A A S N E
N I V L C R I D S R R L I H H G Q V V T K W S R G Q S Q A N R I A V V A N D D T V A D A D P
I A R V D E R R L I H H G Q V I A M V W S R A L N L D G I I V A N D D T V A D A D K
E I Q I A R I D Y R L I H H G Q V V T K W M K A Y P A K R I V I V D T E L A Q D D
N I K L V R I D S R R L I H H G Q V I T K W I P I T G S K T V I I D D D E L Y K D D
N I A L M R I D N R L I H H G Q V A L V W T K H L G V N R I I V A N D D V V K N E
N I N V F R I D D R L I H H G Q V I V T K W I K D A S A K M I M V V D D K A A G D K
I T Q I R V D D R R L I H H G Q V A V V W T K E L N A P L L V V A N D D E A A A N E
I K V L R V D D D R L L H H G Q V A Q S W T S F Y H I D K I F I I N D E V E N D E
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I Q A L R V D E R R L I H H G Q V I A M V W S R A L D L D G I V V A N D D E T A N D K
N I V L A R V D D D R L I H H G T E L L T L W V P E V R A N R I I V V D D V V A K D K
S I T L V R V D D D R I I H H G Q T T T R W S K A R D L F G F I V V S D K V A G D T
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S I A L T R V D F R R L I H H G Q V I T R W L K Q C D I N E I V T I V D T A Q S K D E
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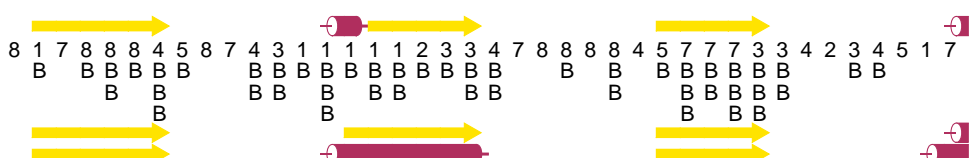
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