

QUERY	1	10	20	30	40
UniRef90_UPI0003B7602A	MK R R I	G V L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y H G G
UniRef90_A6CLF1	MK R R I	G V L T S	G G G D S D S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y Y Q Q G G
UniRef90_D6XSS5	MK R R I	G V L T S	G G G D S D S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y Y N G G G
UniRef90_UPI0003766053	MK K R I	G V L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y Y N G G G
UniRef90_UPI0002D8DDCB	MK R R I	G V L T S	G G G D S D S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y Y H G G G
UniRef90_K4LGF9	V N R R I	G M L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y K R R G G
UniRef90_UPI00047B68F9	MK T R I	G T L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y N R R G G
UniRef90_F7NEC1	MK K I	A V L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y H H G G G
UniRef90_UPI0003F6D5A7	MK K I	A V L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y Q Q G G G
UniRef90_UPI00047A50EB	MK R I	A V L T S	G G G D S D S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y Q Q G G G
UniRef90_D5WSS6	MQ T I	G V L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y K K G G G
UniRef90_U2CV12	MK T I	G V L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y H H G G G
UniRef90_UPI00047C4550	MK R I	G V L T S	G G G D S D S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y H H G G G
UniRef90_B8D1K5	MK K I	G V L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y R R G G G
UniRef90_R7RQU6	M R T I	G V L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y Q R R G G
UniRef90_W4PZM3	MK R I	A V L T S	G G G D S D S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y R R G G G
UniRef90_B0K7U7	MK T I	G V L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y M R R G G
UniRef90_Q9WY52	MK K I	A V L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y H Q Q G G
UniRef90_UPI0002884C0A	MK K I	A V L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y H Q Q G G
UniRef90_R6HHB2	MK R I	A V L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y E R R G G
UniRef90_UPI000472A660	MK T I	G V L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y K R R G G
UniRef90_UPI00037BA9B4	MK R I	G I L T S	G G G D S D S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y K R R G G
UniRef90_K6DR36	MK K I	A V L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y H H G G G
UniRef90_F6CQZ5	MQ R I	G V L T S	G G G D S D S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y K R R G G
UniRef90_A6L1S9	I K C I	G V L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y R R G G G
UniRef90_A7HNL3	L K R I	A V M T S	G G G D S D S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y K R R G G
UniRef90_W8TD73	MK T I	A V L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y R R G G G
UniRef90_D3PNJ1	MK R I	A V F T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y S R G G G
UniRef90_A0A015KNZ6	V K K I	A V L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y Q R Y G G
UniRef90_K8ZMC9	MK R I	A V L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y Y Y G G G
UniRef90_A4C2T8	I K K I	A V M T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y Y R G G G
UniRef90_I9MCB8	MK K I	G V L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y Q S R G G
UniRef90_G2FWC6	I Q R I	G V L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y Y Y G G G
UniRef90_A0A033V2M2	MK K I	A V L T S	G G G D S D S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y Y Q Q G G
UniRef90_D7CP25	MK K I	A V L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y T R D G G
UniRef90_UPI00022CA61C	I K K I	A V L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y N Y Y G G
UniRef90_UPI00024917E9	MK R I	G I L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y N Y Y G G
UniRef90_I1YVA8	V K T I	G I L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y K Q G G
UniRef90_A8MLY0	MK K I	A V L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y N Y Y G G
UniRef90_C8NF52	MK R I	A V L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y N Y Y G G
UniRef90_A4VTS0	MK R I	A V L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y N Y Y G G
UniRef90_F9Z4U8	I K R I	G V L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y F E G G G
UniRef90_E4T9S9	L K R I	G V L T S	G G G D S D S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y R E G G G
UniRef90_UPI0003A3430A	MK K I	A V L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y V Y G G G
UniRef90_H2BZB7	I R R I	G V M T S	G G G D S D S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y Y Y G G G
UniRef90_C6X3Z9	V K K I	A V F T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y R E G G G
UniRef90_A0A011RQX7	MK R I	G I L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y N Y Y G G
UniRef90_I7JEI3	MK R I	A V L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y N Y Y G G
UniRef90_H2BRM1	I K R I	G V L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y Y Y G G G
UniRef90_D2Z335	MK R I	A V L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y F Y G G G
UniRef90_R5WSL7	I N C I	G V L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y K R R G G
UniRef90_L0K8E7	M N K I	G V L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y L R G G G
UniRef90_UPI000255A032	V T K V	A V M T S	G G G D S D S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y L R G G G
UniRef90_R9C9K8	I K C I	G I L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y Y R G G G
UniRef90_R5AJ16	I N T I	G V L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y K R R G G
UniRef90_C4ZGM3	V R T I	G V L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y K R R G G
UniRef90_R5XHJ1	I R K I	G V L T S	G G G D S D S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y Y R G G G
UniRef90_A3XJ90	L K K I	A V L T S	G G G D S D S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y Y R G G G
UniRef90_UPI00036D13F7	L K K I	A V L T S	G G G D S D S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y Y R G G G
UniRef90_UPI0004217E64	K I	A V M T S	G G G D S D S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y Y R G G G
UniRef90_R1J273	K I	G V L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y Y D G G G
UniRef90_B8I6U8	I K T I	G V L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y R K K G G
UniRef90_UPI0003B3E2C7	I K K I	G V L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y R K K G G
UniRef90_B9Y7P6	I R R I	G I L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y K D G G G
UniRef90_C8W258	MQ R I	A V L T S	G G G D S D S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y K R R G G
UniRef90_UPI0003F5C992	V K K I	G V L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y K R D G G
UniRef90_C7HTE7	MK T I	G I L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y R N G G G
UniRef90_A3N1C8	I K K I	A V L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y Q Q G G G
UniRef90_C0BK55	I K R I	A V L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y Q Q G G G
UniRef90_Q2RHC1	M R T I	G V L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y S R G G G
UniRef90_A3DEW4	V R T I	G V L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y Y K G G G
UniRef90_R5BSW0	I K T I	G V L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y Y K G G G
UniRef90_B0TI30	V K H I	G V L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y L R G G G
UniRef90_A0A023BQ09	V K N I	A V L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y Y K G G G
UniRef90_K2CT31	MK K I	A V L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y Y K G G G
UniRef90_UPI000380A56F	MK K I	A V L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y Y R G G G
UniRef90_I4ALD3	MK K I	G V F T S	G G G D S D S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y H R R G G
UniRef90_D1AI19	MK K I	G V L T S	G G G D S D S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y K R R G G
UniRef90_H8KT38	I E R I	A V L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y M Q G G G
UniRef90_R5NH58	I N C I	G I L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y Y R Y G G
UniRef90_G0IXW7	MK K I	A V Y T S	G G G D S D S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y K Y Y G G
UniRef90_I2F7E4	I K K I	G V L T S	G G G D S D S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y R R G G G
UniRef90_A1ZK77	MK R V	A V F T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y M R Y G G
UniRef90_C8PAQ8	MK R I	G I L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y R Y G G G
UniRef90_A0A024PED9	K I	G V L T S	G G E D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y K Y Y G G
UniRef90_C0QXP7	I K R I	G V L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y K E G G G
UniRef90_UPI00037A1A36	MK R I	G V L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y R N G G G
UniRef90_R6ZVH0	V K T I	G V L T S	G G G D A S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y R R G G G
UniRef90_R6EQN7	MK K I	G V L T S	G G G D S D S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y R R G G G
UniRef90_A8F8N1	MK T I	G V L T S	G G G D S D S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y Q R R G G
UniRef90_K1Y148	I K R I	G V L T S	G G G D S D S P	G M N A A I	R R A V V R R K A G Y Y H G G L I E E V Y Y G G V Y Y M R R G G

QUERY Y A G L I T A G Q N D I I K K L E V G D V G D I I I H R R G G G T T L L Y T S R R C P E E F F K K T T E A
UniRef90_UPI0003B7602A Y T G L I A Q G N D I I K K L E V G D V G D I I I H R R G G G T T L L Y T S R R C P E E F F K K T T E A
UniRef90_A6CLF1 Y N G L I A Q G N D I I K K L E V G D V G D I I I H R R G G G T T L L Y T S R R C P E E F F K K T T E A
UniRef90_D6XSS5 Y Q G L I A Q G N D I I K K L E V G D V G D I I I H R R G G G T T L L Y T S R R C P E E F F K K T T E A
UniRef90_UPI0003766053 Y E G L M E G N I K K K M E L L G S S V V G D I I I Q R R G G G T T L L Y T S R R C P E E F F K K T T E A
UniRef90_UPI0002D8DDCB Y E G F I K K K E M E L L D L L G S S V V G G I I I Q R R G G G T T L L Y T S R R C P E E F F K K T T E A
UniRef90_K4LGF9 Y F D G L L K K K E F V K L Q L L G S S V V A D I I I H R R G G G T T L L Y T S R R C P E E F F K K T T E A
UniRef90_UPI00047B68F9 Y K G L L E E D I F Q E M N L L G S S V V G D I I I H R R G G G T T L L Y T S R R C P E E F F K K T T E A
UniRef90_F7NEC1 Y E G L M A G E D F F P L M D R L L G S S V V G D I I I Q R R G G G T T L L Y T S R R C P E E F F K K T T E A
UniRef90_UPI0003F6D5A7 Y S G L I N G E I F E M D R R H S V S V S D I I I H R R G G G T T L L Y T S R R C P E E F F K K T T E A
UniRef90_UPI00047A50EB Y A G L M E G K M K K L E L G S S V V G D I I I H R R G G G T T L L Y T S R R C P E E F F K K T T E A
UniRef90_D5WSS6 Y S G L L A G E D F V D M D R L L G S S V V A D I I I H R R G G G T T L L Y T S R R C P E E F F K K T T E A
UniRef90_U2CV12 Y S G L I N G E I F E M D R R H S V S V S D I I I H R R G G G T T L L Y T S R R C P E E F F K K T T E A
UniRef90_UPI00047C4550 Y E G L I K G E D I K K L E L G S S V V G D I I I Q R R G G G T T L L Y T S R R C P E E F F K K T T E A
UniRef90_B8D1K5 Y A G L I N G E D F V D M D R R L L G S S V V A D I I I Q R R G G G T T L L Y T S R R C P E E F F K K T T E A
UniRef90_R7RQU6 Y S G L M N E G E I F E M T R R S S V S D I I I Q R R G G G T T L L Y T S R R C P E E F F K K T T E A
UniRef90_W4PZM3 Y A G M M E G D I Q E L H L G S S V V G D I I I H R R G G G T T L L Y T S R R C P E E F F K K T T E A
UniRef90_B0K7U7 Y A G L V E D E D V I D L N L S V V G D I I I H R R G G G T T L L Y T S R R C P E E F F K K T T E A
UniRef90_Q9WY52 Y S G L I N G E D F V K L E Y K S V V A G I I I E K K G G G T T L L Y T S R R C P E E F F K K T T E A
UniRef90_UPI0002884C0A Y Q G L I E G K F R S L E L G D V V G D I I I Q R R G G G T T L L Y T S R R C P E E F F K K T T E A
UniRef90_R6HHB2 Y A G L L D N V I V P L N M R S V S D I I I V Q R R G G G T T L L Y T S R R C P E E F F K K T T E A
UniRef90_UPI000472A660 F N G L I N G E I E E M D V A V S V G E I I H R R G G G T T L L Y T S R R C P E E F F K K T T E A
UniRef90_UPI00037BA9B4 Y Q G L I S G D I E E M D L G S S V V A D I I I H R R G G G T T L L Y T S R R C P E E F F K K T T E A
UniRef90_K6DR36 Y E G L I N G D D F Q K M D L L G S S V V G D I I I H R R G G G T T L L Y T S R R C P E E F F K K T T E A
UniRef90_F6CQZ5 F N G F I D G D M E P M R L L G S S V V A D I I I H R R G G G T T L L Y T S R R C P E E F F K K T T E A
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UniRef90_A7HNL3 Y A G L L D E G D I E E M T F A S V G D I I I M E K K G G G T T L L Y T S R R C P E E F F K K T T E A
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UniRef90_A4C2T8 Y E G L I E G D F I E L T A R S V V N N I I N K G G G T T L L Y T S R R C P E E F F K K T T E A
UniRef90_I9MCB8 Y T G L L H G E I I K E M S I A G S V A D I V H R R G G G T T L L Y T S R R C P E E F F K K T T E A
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UniRef90_UPI00024917E9 Y A G L V A G D I F P L T A S D V S D R I Q R R G G G T T L L Y T S R R C P E E F F K K T T E A
UniRef90_I1YVA8 Y D G L L T N A I K T F T T E N V S D I I D E R G G G T T L L Y T S R R C P E E F F K K T T E A
UniRef90_A8MLY0 Y N G L I T A Q I E E M N L S V S V A D I I H R R G G G T T L L Y T S R R C P E E F F K K T T E A
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UniRef90_F9Z4U8 Y Q G L I E G D I L K R L K S A R S N D V S N I I N Q R G G G T T L L Y T S R R C P E E F F K K T T E A
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UniRef90_G0IXW7 Y D G I I N G N I S K E M S H S V S N I L Q R R G G G T T L L Y T S R R C P E E F F K K T T E A
UniRef90_I2F7E4 Y S G L L D E E F I D M D Y S S V S G G I M E K G G G T T L L Y T S R R C P E E F F K K T T E A
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UniRef90_A8F8N1 Y C G M I D G A F K E M D F S D V A G L M E R R G G G T T L L Y T S R R C P E E F F K K T T E A
UniRef90_K1Y148 Y S G L L N K Q F M S M Q S H S V S K T I S M G G T T L L Y T S R R C P E E F F K K T T E A

QUERY	90	100	110	120
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UniRef90_A6CLF1	GGRQKKA	VEQLKKH	GGVVI	GGDGS
UniRef90_D6XSS5	GGRQKKA	VEQLKKH	GGVVI	GGDGS
UniRef90_UPI0003766053	GGRQKKA	VEQLKKH	GGVVI	GGDGS
UniRef90_UPI0002D8DDCB	YQLQKGI	EQMKRKA	GGVVI	GGDGS
UniRef90_K4LGF9	GQRKQAV	NLNRDGG	GGVVI	GGDGS
UniRef90_UPI00047B68F9	GRLVGV	VDVLLK	GGVVI	GGDGS
UniRef90_F7NEC1	GQRQALV	GRLLRE	GGVVI	GGDGS
UniRef90_UPI0003F6D5A7	VRRKKA	LVKLLK	GGVVI	GGDGS
UniRef90_UPI00047A50EB	SQHKA	IKQLLEE	GGVVI	GGDGS
UniRef90_D5WSS6	GQRHAA	VEKLLT	GGVVI	GGDGS
UniRef90_U2CV12	VRRKKA	AAQVLL	GGVVI	GGDGS
UniRef90_UPI00047C4550	GQLKKA	TEQLKKH	GGVVI	GGDGS
UniRef90_B8D1K5	GRRQKKA	LKKMKKE	GGVVI	GGDGS
UniRef90_R7RQU6	GRKKA	YKLVK	GGVVI	GGDGS
UniRef90_W4PZM3	GQLKKA	VEELKKH	GGVVI	GGDGS
UniRef90_B0K7U7	VRRKKA	YAYETL	GGVVI	GGDGS
UniRef90_Q9WY52	GRIEKA	AKYQVLL	GGVVI	GGDGS
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UniRef90_R6HHB2	GLEKKA	LRFLK	GGVVI	GGDGS
UniRef90_UPI000472A660	GLLKKA	YNIKI	GGVVI	GGDGS
UniRef90_UPI00037BA9B4	GQAKA	VATIRE	GGVVI	GGDGS
UniRef90_K6DR36	GHLAKA	LKSLN	GGVVI	GGDGS
UniRef90_F6CQZ5	GRAKA	WKNV	GGVVI	GGDGS
UniRef90_A6L1S9	GRKKA	YDTMQ	GGVVI	GGDGS
UniRef90_A7HNL3	TRAEA	AKLKKH	GGVVI	GGDGS
UniRef90_W8TD73	GRRQA	AATVLR	GGVVI	GGDGS
UniRef90_D3PNJ1	GRRQA	AAENL	GGVVI	GGDGS
UniRef90_A0A015KNZ6	GQQQR	GADL	GGVVI	GGDGS
UniRef90_K8ZMC9	GQLKKA	GEQLKK	GGVVI	GGDGS
UniRef90_A4C2T8	GRAKA	AFENL	GGVVI	GGDGS
UniRef90_I9MCB8	GQNKKA	ITGLE	GGVVI	GGDGS
UniRef90_G2FWC6	GQQKA	ALTEQL	GGVVI	GGDGS
UniRef90_A0A033V2M2	VRAKA	AIENLE	GGVVI	GGDGS
UniRef90_D7CP25	GRLRGL	LEALRD	GGVVI	GGDGS
UniRef90_UPI00022CA61C	IRLKA	LAIDN	GGVVI	GGDGS
UniRef90_UPI00024917E9	GQLKKA	LEQLKK	GGVVI	GGDGS
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UniRef90_A8MLY0	GQRKKA	ALNVI	GGVVI	GGDGS
UniRef90_C8NF52	GQEKA	GIEQL	GGVVI	GGDGS
UniRef90_A4VTS0	GQLKKA	GLEQL	GGVVI	GGDGS
UniRef90_F9Z4U8	GRTKA	KAQML	GGVVI	GGDGS
UniRef90_E4T9S9	GRLKA	FAEQ	GGVVI	GGDGS
UniRef90_UPI0003A3430A	GRKRA	AAAVI	GGVVI	GGDGS
UniRef90_H2BZB7	GRRQA	AAADN	GGVVI	GGDGS
UniRef90_C6X3Z9	GRRQA	AAADN	GGVVI	GGDGS
UniRef90_A0A011RQX7	GQLKKA	GLEQL	GGVVI	GGDGS
UniRef90_I7JEI3	GRLKA	AGLEQL	GGVVI	GGDGS
UniRef90_H2BRM1	GRIEKA	AFVNL	GGVVI	GGDGS
UniRef90_D2Z335	GLLADA	VASLE	GGVVI	GGDGS
UniRef90_R5WLS7	GRRQA	AFENMQ	GGVVI	GGDGS
UniRef90_L0K8E7	GRKRA	AAAKL	GGVVI	GGDGS
UniRef90_UPI000255A032	GRAKA	AYENF	GGVVI	GGDGS
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UniRef90_A3XJ90	GRKKA	AFDNL	GGVVI	GGDGS
UniRef90_UPI00036D13F7	GQRKA	HAEL	GGVVI	GGDGS
UniRef90_UPI0004217E64	GQAQA	LDVLLK	GGVVI	GGDGS
UniRef90_R1J273	VREQA	ALQVM	GGVVI	GGDGS
UniRef90_B8I6U8	GMQKA	AVMS	GGVVI	GGDGS
UniRef90_UPI0003B3E2C7	GQQKKA	AVEIT	GGVVI	GGDGS
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UniRef90_A3N1C8	VRRKKA	VEETL	GGVVI	GGDGS
UniRef90_C0BK55	GREKA	AFETI	GGVVI	GGDGS
UniRef90_Q2RHC1	GRATA	ALDNL	GGVVI	GGDGS
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UniRef90_B0TI30	NQAAL	LAGKL	GGVVI	GGDGS
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UniRef90_K2CT31	GQQHAA	YRSLN	GGVVI	GGDGS
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UniRef90_H8KT38	GRKTA	AYENL	GGVVI	GGDGS
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UniRef90_R6EQN7	WLDKA	AAADL	GGVVI	GGDGS
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QUERY	130	140	150	160
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UniRef90_UPI0002D8DDCB	P	G	D	K
UniRef90_K4LGF9	A	G	D	K
UniRef90_UPI00047B68F9	A	G	D	K
UniRef90_F7NEC1	A	G	D	K
UniRef90_UPI0003F6D5A7	A	G	D	K
UniRef90_UPI00047A50EB	A	G	D	K
UniRef90_D5WSS6	A	G	D	K
UniRef90_U2CV12	A	G	D	K
UniRef90_UPI00047C4550	A	G	D	K
UniRef90_B8D1K5	A	G	D	K
UniRef90_R7RQU6	A	G	D	K
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UniRef90_K8ZMC9	A	G	D	K
UniRef90_A4C2T8	A	G	D	K
UniRef90_I9MCCB8	A	G	D	K
UniRef90_G2FWC6	A	G	D	K
UniRef90_A0A033V2M2	A	G	D	K
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UniRef90_UPI00022CA61C	A	G	D	K
UniRef90_UPI00024917E9	A	G	D	K
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UniRef90_F9Z4U8	A	G	D	K
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UniRef90_L0K8E7	A	G	D	K
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UniRef90_R5XHJ1	A	G	D	K
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UniRef90_UPI00036D13F7	A	G	D	K
UniRef90_UPI0004217E64	A	G	D	K
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UniRef90_UPI000441D28F	IKRI	AVLTTSSGGG	DDSPGGMNAA	IIIRAVVVR	RRKAGLISSE	NGDGLVEM	CVVFGI	HNHG
UniRef90_T5KRP4	IKRI	AVLTTSSGGG	DDSPGGMNAA	IIIRAVVVR	RRKAGLISSE	NGDGLVEM	CVVFGI	HNHG
UniRef90_R9GSQ4	IKRI	AVLTTSSGGG	DDSPGGMNAA	IIIRAVVVR	RRKAGLISSE	NGDGLVEM	CVVFGI	HNHG
UniRef90_R5VSC5	IKRI	AVLTTSSGGG	DDSPGGMNAA	IIIRAVVVR	RRKAGLISSE	NGDGLVEM	CVVFGI	HNHG
UniRef90_D1VTY4	IKRI	AVLTTSSGGG	DDSPGGMNAA	IIIRAVVVR	RRKAGLISSE	NGDGLVEM	CVVFGI	HNHG
UniRef90_B1I3S0	IKRI	AVLTTSSGGG	DDSPGGMNAA	IIIRAVVVR	RRKAGLISSE	NGDGLVEM	CVVFGI	HNHG
UniRef90_R6Z126	MKRI	AVLTTSSGGG	DDSPGGMNAA	IIIRAVVVR	RRKAGLISSE	NGDGLVEM	CVVFGI	HNHG
UniRef90_U2UAF8	IKRI	AVLTTSSGGG	DDSPGGMNAA	IIIRAVVVR	RRKAGLISSE	NGDGLVEM	CVVFGI	HNHG
UniRef90_UPI0004278AF8	MMRI	AVLTTSSGGG	DDSPGGMNAA	IIIRAVVVR	RRKAGLISSE	NGDGLVEM	CVVFGI	HNHG
UniRef90_E4KLW8	MKRI	AVLTTSSGGG	DDSPGGMNAA	IIIRAVVVR	RRKAGLISSE	NGDGLVEM	CVVFGI	HNHG
UniRef90_K6C613	MTKRI	AVLTTSSGGG	DDSPGGMNAA	IIIRAVVVR	RRKAGLISSE	NGDGLVEM	CVVFGI	HNHG
UniRef90_Q6AG22	IKRI	AVLTTSSGGG	DDSPGGMNAA	IIIRAVVVR	RRKAGLISSE	NGDGLVEM	CVVFGI	HNHG
UniRef90_K1LHR7	MRRI	AVLTTSSGGG	DDSPGGMNAA	IIIRAVVVR	RRKAGLISSE	NGDGLVEM	CVVFGI	HNHG
UniRef90_B2GIH5	IKRI	AVLTTSSGGG	DDSPGGMNAA	IIIRAVVVR	RRKAGLISSE	NGDGLVEM	CVVFGI	HNHG
UniRef90_UPI00040A944E	IKRI	AVLTTSSGGG	DDSPGGMNAA	IIIRAVVVR	RRKAGLISSE	NGDGLVEM	CVVFGI	HNHG
UniRef90_R5RAG8	MKRI	AVLTTSSGGG	DDSPGGMNAA	IIIRAVVVR	RRKAGLISSE	NGDGLVEM	CVVFGI	HNHG
UniRef90_E0TJU5	IKRI	AVLTTSSGGG	DDSPGGMNAA	IIIRAVVVR	RRKAGLISSE	NGDGLVEM	CVVFGI	HNHG
UniRef90_E9QFJ1	IKRI	AVLTTSSGGG	DDSPGGMNAA	IIIRAVVVR	RRKAGLISSE	NGDGLVEM	CVVFGI	HNHG
UniRef90_I4E2V8	IKRI	AVLTTSSGGG	DDSPGGMNAA	IIIRAVVVR	RRKAGLISSE	NGDGLVEM	CVVFGI	HNHG
UniRef90_M4VT04	IKRI	AVLTTSSGGG	DDSPGGMNAA	IIIRAVVVR	RRKAGLISSE	NGDGLVEM	CVVFGI	HNHG
UniRef90_S4XEY3	IKRI	AVLTTSSGGG	DDSPGGMNAA	IIIRAVVVR	RRKAGLISSE	NGDGLVEM	CVVFGI	HNHG
UniRef90_R6N8X1	MKRI	AVLTTSSGGG	DDSPGGMNAA	IIIRAVVVR	RRKAGLISSE	NGDGLVEM	CVVFGI	HNHG
UniRef90_L0RXM1	MKRI	AVLTTSSGGG	DDSPGGMNAA	IIIRAVVVR	RRKAGLISSE	NGDGLVEM	CVVFGI	HNHG
UniRef90_W0JKA6	MKRI	AVLTTSSGGG	DDSPGGMNAA	IIIRAVVVR	RRKAGLISSE	NGDGLVEM	CVVFGI	HNHG
UniRef90_R7RT26	VKRI	AVLTTSSGGG	DDSPGGMNAA	IIIRAVVVR	RRKAGLISSE	NGDGLVEM	CVVFGI	HNHG
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UniRef90_H6L269	MKRI	AVLTTSSGGG	DDSPGGMNAA	IIIRAVVVR	RRKAGLISSE	NGDGLVEM	CVVFGI	HNHG
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UniRef90_R6CRA3	IKRI	AVLTTSSGGG	DDSPGGMNAA	IIIRAVVVR	RRKAGLISSE	NGDGLVEM	CVVFGI	HNHG
UniRef90_U7URT2	IKRI	AVLTTSSGGG	DDSPGGMNAA	IIIRAVVVR	RRKAGLISSE	NGDGLVEM	CVVFGI	HNHG
UniRef90_UPI0003D73E3C	IKRI	AVLTTSSGGG	DDSPGGMNAA	IIIRAVVVR	RRKAGLISSE	NGDGLVEM	CVVFGI	HNHG
UniRef90_G3WB34	IKRI	AVLTTSSGGG	DDSPGGMNAA	IIIRAVVVR	RRKAGLISSE	NGDGLVEM	CVVFGI	HNHG
UniRef90_R5VPL8	IKRI	AVLTTSSGGG	DDSPGGMNAA	IIIRAVVVR	RRKAGLISSE	NGDGLVEM	CVVFGI	HNHG
UniRef90_D4LY6	IKRI	AVLTTSSGGG	DDSPGGMNAA	IIIRAVVVR	RRKAGLISSE	NGDGLVEM	CVVFGI	HNHG
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UniRef90_D1Y322	G R K K A R Q Q C D D R N I	D D G L V I V I	G G D G S F R G A W E L Q K M G L P V V	
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UniRef90_D2B6E9	G V E K I Y D N L A E T G V	D A L I A I	G G D G T L G V A K R L F D K G V K V V	
UniRef90_Q8DTX6	G Q L K G I E Q L K K H G I	E G V V V I	G G D G S Y H G A M R L T E H G F P A V	
UniRef90_F7QF83	G R S R A L R N L S T R N I	D A L V V V I	G G N G S Q T G S A A L H A L G F P V V	
UniRef90_B2V7W7	F R K I A Y E N I Q K H N I	E A L F V I	G G N G S F Q T G A Y L Q K D F G L N I	
UniRef90_M3A013	G V R R I R E N L A A L G V	D A L I A I	G G E D T L G V A A R L W E Q H I P C V	
UniRef90_I3ZX11	G R K K A F E N V Q K N G I	D A L V V I	G G D G S F T G A K L F Y E E H I P V I	
UniRef90_J0LH29	G R Q A A Y E N L R A H G I	E G L V A I	G G D G T F T G A N I F Y E E G I P T I	
UniRef90_A4FAE7	G V T R I K A T M Q E H G V	D A L V A I	G G E D T L G V A D R L T H D G V P V V	
UniRef90_R5J17	G Q K K A A A T C K L L G I	D D G I V S I	G G D G S F R G L V L F A K Q E T L S V V	
UniRef90_W9UX10	I R A N A A S Q L R K L G I	E A L I V I	G G D G S L T G A H L F E E T L P V I	
UniRef90_F4CD21	G R Q Q A Y E Q L R K F Q I	D G L V A I	G G D G T F T G A A K F I E E H I P V M	
UniRef90_H8I7L7	G E V K V L E N A K R M G I	D A L V A I	G G D G T L G V A Y K L T K A G L K C V	
UniRef90_M7Y414	G R K K A Y E N L T K H G I	D A L V I I	G G D G S L T G A H F Y N E Y G I P S I	
UniRef90_R5QHB7	P D E A M K Q N Y Y K L Q L	D C L V I L	G G N G T H K T A N L L R E E G L N I V	
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UniRef90_U2UAF8	P D E A M K H S Y R K L R L	D C C L V V L	G G N G S L K T A N L L S E E G L N I V	
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UniRef90_K6C613	G R K K A V E L K N N Q G I	N S L I V I	G G G G S F K G A E K L H E L G L K V V	
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UniRef90_K1LHR7	V Q E K A V Q V M E E N G I	E G L I A I	G G D G T F R G A L A L T K L G F P A V	
UniRef90_B2GIH5	G G P E N A K V L E A N G I	D A V V A I	G G E G T L A G A K R L A D A G L P V V	
UniRef90_UPI00040A944E	K P A L I Q Q H I R E L G I	D C V V C I	G G N G T Q K T A A K F A A M G V I V	
UniRef90_R5RAG8	P D D K M K Q N Y H K L R L	E C L V I L	G G N G S Q K T A N L L R E E Y N I I I	
UniRef90_E0TJU5	G R K K A N I N Y K K N G I	E G L I V I	G G D G S F T G A M I F Q E E N I P I I	
UniRef90_E9QFJ1	G R L C A A L N L V I Q R G I	T N L C V I	G G D G S L T G A N L F R E E W L H I V	
UniRef90_I4E2V8	G P E R L A T L E R A Q G I	D A L V P V	G G E D T L G V A N R L A A A G V R I C	
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UniRef90_S4XEY3	S I D R V K E N L A D A G I	D A L I A I	G G E G T L K G A R W L H D N G V P I V	
UniRef90_R6N8X1	K V K A M K A T Y K K L K I	D C L V I L	G G N G S H K T A N L L R E E G L N V V	
UniRef90_L0RXM1	V R K V A L N N L K K R N I	D A L V I I	G G D G S Y K G A Q L L H E A G L K T I	
UniRef90_W0JKA6	G F K K A L K T L E E E K I	E G L V I V	G G D G S L R G A K K L A E S G I V C V	
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UniRef90_Q9KH71	D V Q K C V E N F Y K K L N L	D A L I A I	G G E D T L G V A S K F S K L G L P M I	
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UniRef90_H6L269	G R Q K A F E Q T Q A A G V	D G V V V I	G G D G S F K G A T V F M E E H I P F V	
UniRef90_A7VPT0	G V Q K A A D T C R D L G I	G G V V V I	G G D G S F R G A R D L T N A G I P C V	
UniRef90_R6CRA3	P M D K M L E T Y K Y K L	D A L V I L	G G N G T H K T A N L L A Q N G V N V V	
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UniRef90_UPI000403E474 G L P P G T I D N D D I A N G T S D F T I I G F D T A V N T V V G A V I D D K K I L R R D T S S S S H H
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UniRef90_D4H7C6 G M P G S I D N D D I Y G T S I S I G V D T A L N N N I A R A V I D D K I L R D T A T S S H H
UniRef90_C0Z7W7 G V P G T I D N D D I P C T D F T I I G F D T A L N T V V E A I D D K I L R D T A T S S H H
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UniRef90_UPI0002491F56 G I P G T I D N D D I P G T D F T I I G F D S S V N T A V D A V I D D K L N D T A T E S H H
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UniRef90_R5J17 G V I P A T I D N D D I V C T D Y T I I G F D T A A N T A V E A I D D R L R D T M Q S H H
UniRef90_W9UX10 G I P G T I D N D D I F G T D D T I I G F D T A I N T A L N A I D D K I R D T A E S H H
UniRef90_F4CD21 G L P G T I D N D D L A G T D F T I I G Y D T A I N T V I S A V D K I R D T A E S H H
UniRef90_H817L7 G V P K T I D N D D L G A T D Y T F G F Q T A V N T A T D A M D R L H T T A K S H H
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UniRef90_K1LKA5 G I P A T I D N D D I P G T E Y T I I G F D S A V S V A L D A I D K I S D T A A S H H
UniRef90_R5Z6C4 C I P G T I D R D D V S C S E Y T I I G F D T A A N T A T E A I D D K I R D S S I S H H
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UniRef90_D1BMZ7 T I P C T I D N D D M Y G T Q Y T I I G Y D T A L N T V V D A V G R I R D T A N S H H
UniRef90_B0TD30 G V P K T I D N D D L S A T D Y T F G F D S A V T T A T E A I D K L H T T A E S H H
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UniRef90_E1WZB5 G I P G T I D N D D I S G T D Y S I I G F D T A V Q T A I D A V I D K I R D T A S S H H
UniRef90_H6LEG0 G I P G T I D N D D I N G C S D Y T I I G F D T A V N T A L D A V S K I R D T T Y S H H
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UniRef90_T5KRP4 G V P K T I D N D D I Q A T D Y S F G F D T A V N T A T D A M D R L R T T A S S H H
UniRef90_R9GSQ4 G M P G T I D N D D L I G T D H T I I G Y D T A T N T V I N A V D K I R D T A E S H H
UniRef90_R5V5C5 G L P G T I D N D D I A C T E Y T I I G Y D T A M N T C V E M I D K L Q D T C Q S H H
UniRef90_D1VTY4 G I P A S I D N D D L A Y T D Y T I I G F M T C L E T L C G L I S K I R D T T E S H H
UniRef90_B113S0 G V P K T I D N D D L S A T D Q T F G F D T A L K T A T E A I D K L H T T A E S H H
UniRef90_R6Z126 G L P K T I D N D D I Y G T D M T F G F Q S A V D I A T E A I D C H T T A Y S H H
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L I E S L D K K S R N E T G K T S H S I I V V A E E G D D Q L G K E V A A N S I T Q S T P D G Y
L I S T L K K H N E E T G R R H A I I V V S T E E Q Q F D V H K L A A E I S T K S G D F
I V K V L D K R K R G R V A T I I V V A E E G F S T G N L L G E E M I E N K T G G L
I A D K L T K N R E N G K G H G L I I V V A E E G V M S A Q K F K E E I L D K H T G D F
I Y Q R M Q Y T Q R I G K R H F I I V V A E E G G C H V E E L A K E I L D K N T G G L
L C K K L K A S R L S G K N Y S I I V L A E E G V M S G Y E L Q E K L E Q A P G Y
L I D K L A L G A F T K K S S S I V I V A E E G H K G S Q D I A K K V K E I T R T D H Y
V C A Y V E S R A T T R Y A P I I V V V A E E G A H P G G E V L A K E I E K R F T G Y
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I A K R L R A A Y E R M G K N H A I I V V L A E E G V K E N L E Y F A G N G G M G G F
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U N I R E F 9 0 _ I 3 J R B 8 Q R A F V I E T M G G R H C G Y L A L V S A L A S G A D W V F I P F E E A P P Q E L G W
U N I R E F 9 0 _ A 7 T E W 8 R R R V F V V E V Q G G H S G Y I A T F T G L V T G A V S V Y T P F E E A D K I S L A S
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D S R Y A V P G H F Q Q R G G G T P S P M D R R T R A T V R F G V E A V L Q Y V L E A A T P
D S T R I T T L G H V Q Q R G G G A T V A Y D R R M L G T L Q G V E A V L K F A V I L S Q A T L
U N I R E F 9 0 _ A 8 N G D 7 D S T R T R I T T L G H A Q Q R G G N P A T A F D R R N M G T K L A A R A L E I L S Q A T L
D T R I T T L G H V Q Q R G G G S P S A F D R Y L A T Q L G C A A V L E R L L T D D P
U N I R E F 9 0 _ E 4 K R F 6 N I R E F 9 0 _ P L N L G H V Q Q R G G G A P A A Y D R L L A K G F A E K A V L A D A V L T E G S S P
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U N I R E F 9 0 _ U 6 E 0 R 6 E T R A Q I T L G H L Q Q R G G G K P T A E D L V L A A R M G S F A V V Q L L Q K N I S T
U N I R E F 9 0 _ Q 4 S N L 3 D C R K N I L G H M Q Q R G G G A P T P F D R N F S T K I L A A N A V L W I S E K L I
U N I R E F 9 0 _ A 0 A 0 4 4 T 2 Q 6 S T R I T T L G H A Q Q R G G G N P T P F D R R N M G T K L A A N A L E F I L S G K V T N
U N I R E F 9 0 _ D 7 C M F 6 S E T R V T V L G H L Q Q R G G G S P N A F D R L S T R Y G V A A T K A L K A G N Y
U N I R E F 9 0 _ D 0 W N T 4 D V R I T S L G H H L Q Q R G G G T P S A Y D R W M S T L L G Y T A M V H A G E G D E F
U N I R E F 9 0 _ B 9 M 2 A 5 D V R V M V L G H H L Q Q R G G G T P S T F D R C L G S R F G V K A V E L V D R N E F
U N I R E F 9 0 _ Q 2 7 7 7 8 D C R C N V L G H H M Q Q R G G D R P S P F D R S L G T K F A S K A L D W L D E Q I N
U N I R E F 9 0 _ R 6 N A A 3 E S R V T V P G H F Q Q R G G S P S D A Y D R V L A S R F G V I A A A E L I T N G D Y S
U N I R E F 9 0 _ U P I 0 0 0 2 F D 7 A 1 1 S V R T S I L G F F I Q R R G G S P S A F D R L L A S R M G V I A A V E L I T E G V S
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U N I R E F 9 0 _ S 2 W A 9 1 D V R H S A L G H L Q Q Q G G A P S A F D R L L A T R L V Y E A T E V L D A G D D
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U N I R E F 9 0 _ V 5 G R A 5 E T R S V N L G H H T Q R R G G T P T A Y D R M L A T R Y G I G A I D L V H Q G R F E
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U N I R E F 9 0 _ I 3 L C A 1 E A R C T V L G Y M Q R R G G T P T A F D R V L S T K Y G A K A M E L A M E G K F
U N I R E F 9 0 _ R 6 B 6 8 1 D T R T T V L G H H T Q R R G G A C A Y D R W L S T L Q G V E A V R A V L D M T P
U N I R E F 9 0 _ S 7 Z 7 3 4 E V R S V N P G H H I Q R R G G I Q A Y D R I L S L R F G V K A V L E L I K E G K F
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U N I R E F 9 0 _ E 6 K U F 1 D S R T A V L G H H I Q Q R G G T P S P L D R I R A T R L A M R A T K F M E E H T
U N I R E F 9 0 _ S 2 J C V 7 D P R V T I L G H H I Q Q R G G S P T A K D R V M A T R M G Y E A V R V L A E E G K T
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U N I R E F 9 0 _ U 5 B X 1 0 E H R E T V L G H H V Q Q R G G T P S A F D R V L A T M F G V K A F E L V Q N G E F
U N I R E F 9 0 _ E 1 Y 8 2 5 D S R F M V L G H H L Q Q R G G S P T T F D R L L A L R F G A A L R L V K E K K F
U N I R E F 9 0 _ C 0 V Z K 2 T P R I T I L G H H V Q Q R G G T P S A Y D R W M P T L L G Y A A A H E I L N A D P
U N I R E F 9 0 _ A 0 Y Q A 4 E T R V T V L G H H V Q Q R G G T P T M T D R V I G S A F G V A A V D L I A E E K Y
U N I R E F 9 0 _ J 9 J L F 9 A T R T S L L G S I A T A R G G V P S P F D R S E A L K E G Q L A V E W I Q D K H P
U N I R E F 9 0 _ R 5 L 6 E 7 E I R T A S I L G H H I Q R R G G N P C A Y D R V L A T R L G V M A G E I E N K K Y
U N I R E F 9 0 _ G 8 Z N 5 6 D A K P A T P G H H V Q Q Q G G L P S P I D R T R A T R L A I K A V I D F I E N Q Q D
U N I R E F 9 0 _ Q 2 L T U 1 E T R H L I L S H H L Q Q R G G T P S A H D R L M A R W F G I A A V D M L I N E D F
U N I R E F 9 0 _ N 6 U D U 3 S A R M N V L G H H M Q Q R G G S P S A F D R N L G T K M A A K A V D M V C Q L K
U N I R E F 9 0 _ S 0 G 4 L 1 E S R C V V L G H H L Q Q R G G T P T Q F D R Q L C T R F G V Y A V Q M I A R N Q F
U N I R E F 9 0 _ D 4 H B J 1 D A R V T I L G H H I Q Q R G G R P S A Y D R W A S T W L G Y H A V H E V L S E A E
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U N I R E F 9 0 _ E 1 1 9 Y 3 E V R Q A I L G H H L Q Q Q G G D P S P F D R I Q A T R L A V R C V E Y L I E Q G R
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V A G I L E E K F I N F R N Q S T S N I E L L P Y T P A S A I G S R K E N Y D A
K N G L I K E E L I D T S L E S S E T I A A L K H T P G G A F G S C R Y D N R A
F A G F V D K N P I E L T L I K V N R L Q H Q G G T L L G T S R G G F D L D

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UniRef90_W4TN92
UniRef90_F3B1A5
UniRef90_R5T110
UniRef90_R6P4F8
UniRef90_R7JH63

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

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UniRef90_R6P4F8
UniRef90_R7JH63

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

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I E G L L S E K I I D D T L N N S L N I E L L K R T P L G S C R Y K L P K N N E
P S G I I E G K Y V E F N D E F I N D Y R N T P G F D I I G S G R T K L E T E E
I I G I L N H Q Y L V N L T K D T L Q R L A T T P A M Y L G S C R Y K L K D Y H E
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UniRef90_UPI000377244E	I F K A I P Q K L N E L G I	D A L I M I G G N G T M Y A A K V T H	Q S A V E Q N	
UniRef90_A9TBK7	P L K D I F E I L D K L E E Y N	I N M F Y V I G G N G S H A G A T A L I	Y E Q C M V V V	
UniRef90_D1PP55	P Y H T L V F D L F A R Y N D I	G A V F Y I G G N D S M D T I A K L I	S A Y E I R F I	
UniRef90_B8FLJ0	D I G Q L V D C L E R M N V	G L F T V G G D G T L M A S T R L C	D E I S V V	
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UniRef90_UPI00047A4488	D Y K K L F E L L N K N D I	E F F Y I G G N D S M D T I M K L A	S D Y G T K M I	
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UniRef90_UPI00047C3FA1	D Y Q R I L E I L F Q K Y D V	R Y F F Y N G G N D S M D T C N K I	S K Y M C H I I	
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UniRef90_E0S1Y4	I Y E K I F E I L V K L E I	D G C F I Y I G G N D S M D T I K K L S	R Y D I R F V	
UniRef90_F0YTV4	V Y P Q L F E K F D A L N I	I D G F F Y I G G N D S M D T V S K L S	R Y D I R V I	
UniRef90_R6I300	D Y I R I L E I F K K Y D V	R Y F F Y N G G N D S M D T C N K I	S R Y M C R V M	
UniRef90_R6JIE1	F Y E K I F A L L D K L D I	E V F I Y I G G N D S M D T I K K L S	R Y A I R F F I	
UniRef90_R6SH01	V Y P L L F N K F T S H G I	G Y F F Y I G G N D S M D T V S K L S	R Y A I R F I	
UniRef90_D4K3T2	D Y K K L F A L L E K L D I	G C F F Y I G G N D S M D T I G K L A	E Y D I R F M	
UniRef90_X0UC72		D F L I Y I G G D D T L G V A H E L A	S H G V Q A I	
UniRef90_UPI0004652468	F Y P A L F E K F R V M D I	I D G F F Y I G G N D S M D T V S K L S	H H S D I R F I	
UniRef90_K0C983	E Y E R L I A V F K A H N I	G Y F F Y N G G G D S Q D T T H K L S	Q H D L R C I	
UniRef90_A4AA10	E Y E R L I D V F R A H N I	R Y F F Y N G G G D S A D T C L K V I	S Q Y M C R V M	
UniRef90_R5CYW3	D Y R R I L E V F K A H N V	R Y F F Y N G G G D S M D T C N K I	I N T Y M C R V M	
UniRef90_K2B787	Q Y E R L V E V F S A H N I	R Y F F Y N G G G D S Q D T A H K V S	S G Y P I T C I	
UniRef90_I3CIA7	E Y E R L I E V F K A H D I	G Y F F Y N G G G D S Q D T S Y K V S	R Y P I T C I	
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UniRef90_UPI000469D779	E Y E L I A K K L K S L H I	D V L V M A G G D G S L Q F L H H L	S E Y G V N C F	
UniRef90_UPI00047DC93F	E Y E R L I E V F R A H D I	G Y F F Y N G G G D S A D T C F K V I	M G Y P I Q A I	
UniRef90_I9NPP8	D Y E K I V K V L V K N N I	K Y L F Y N G G G S M D T C L K I	H M Q D I R V I	
UniRef90_F3L322	E Y E R L I E V F K A H N I	G Y F F Y N G G G D S A D T C L K V	S E Y P I H A V	
UniRef90_H6WB78		K I L K F L K E N E V N Q L Y V I	G G D G T H R A A Q K I A A E C I A K K	
UniRef90_ROM7C6				
UniRef90_U3I9L2				
UniRef90_D4JWU8	D Y K R I T Q N F A K H N I	K A F F Y I G G N D S M D T V M K L	D A Y F I K V V	
UniRef90_Q1YUN1	H Y E R L V E V F K A H N I	G Y F F Y N G G G D S A D T C L K R M	N Y D I K F I	
UniRef90_T0PI71	E Y I K L F E I L E K N Q I	K T F F Y I G G N D S M D T V H K L S	N Y A I R F I	
UniRef90_R5RT70	I Y E K I F E I L D K L E I	D S F F Y I G G N D S M D T I K K L S	D Y A I R F I	
UniRef90_A4U4M6	K Y C Q E V F V L Q A L H G I	A Y F F Y I G G N R I V S E E A R K A	G Y P L R C I	
UniRef90_D2V5S2	D L T K C V K Q L Q A F N V	S L L V T I G G D D T A F S S M K A	A N N E I H V C	
UniRef90_R6YWA4	P F E E R L K T F K K Y N I	R Y F F Y N G G G D S M D T C Y K I	D N Y Q C Y V I	
UniRef90_H3NRP1	E Y E R L I E V F K A H N I	R Y F F Y N G G G D S A D T C Q K K M	G F P L Q A I	
UniRef90_B1QXE5	E Y N K L M S I L E E Y D I	K A F F Y V G G N D S M D T T A K L A	K Y D I R F I	
UniRef90_R6SKV6	D Y E K M A D L V K R E I	K Y V L F N G G N G T M D T C G K L S	H K T C I R V M	
UniRef90_Q8WPP2	N I S D M V D T L V E Y G V	N Y L F T I G G D G T Q K G A V A I	S E E D I A V F	
UniRef90_UPI00037E9868	E L K R L F E V F E A Y D I	G Y F F Y N G G G D S A D T C L K Y H	G I D L T A V	
UniRef90_UPI00035E30F0	E Y A R L I E V E K T H N I	G Y F F Y N G G G D S Q D T A Y K Q M	G Y P I T C I	
UniRef90_A1VT75	R Y C Q E I F V L Q A H Q I	E H F F Y I G G N R I V S L E A Q K A	G Y P L R S I	
UniRef90_F5RB19	Q Y E R L I E V F R A H D I	R W F L Y N G G N D S M D T A W K V S	H Y P L T C V	
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UniRef90_D5ML99	T L R N T I E A L E K L E I V	S G L F T I G G D D T A F A S Y R A V	I G K R I A V A	
UniRef90_R6TGC7	T Y E R I L N C L E K H R I	E A F F Y I G G N D S M D T V A K L S	D Y K I R V I	
UniRef90_UPI00047C7C9B	D N S Q Y A F I F E R M N V	G T F F Y I G G N D S M D T V L R L S	E Y D V R V I	
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UniRef90_K6U7N8	C S E E Y I L E L K E Y D I	T A F F Y V G G N D S M D T I S K L S	K Y D I R F M	
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UniRef90_U2B5A1	H Y E K V F E I M E K H D I	E C L F Y A G G N D S M D T V K M L	S D Y P Q R F M	
UniRef90_I2F2L3	D F E K L F K V F D A H S I	R Y F F Y N G G N D S M D T A H K I S	K Y E L Q V V	
UniRef90_G5IEJ1	I Y V K L F E I L N K L D I	E C F I Y I G G N D S M D T I K K L S	D Y A I R F V	
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UniRef90_UPI00035C9EE9	E Y Q R L I D V F Q A H D I	R F F F Y N G G G D S Q D T T R K I A	H Y D L T C I	
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UniRef90_G4KPK8	D Y K R I L E I F K K Y D V	R Y F F Y N G G N D S M D T C N K I	S K Y M C R V M	
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UniRef90_B3QPS5	K Y N R I K N G M K K F D L	D A L I I S G G D D S G S V M I D L	N Q N G I Q C I	
UniRef90_V2YA16	D Y K R L I E I F K K Y D V	R Y F F Y N G G N D S M D T C N K I	S K Y M C R I M	
UniRef90_B6GA05	H Y P Q M V E V L K N G I	D V V M L T G G N G T M N T A C R E	A G A D I Q V I	
UniRef90_E1R7E7	D L P V I L E R L K K Q D I	R Y L M L A G G N D T M D T I H R I	E G Y E L Y G V	
UniRef90_X1EXA4	D F P L L M K Q L K K Y N I	R Y F F L I G G N G S M G T A C K K N	N Y K L N G I	
UniRef90_Q7NX83	D W L R L R D V L A K H D I	H Y L L I N G G N G S L G C A E K H T	G Y K L G V I	
UniRef90_J9FCB4	T L P L M A K N L L H F N I	H S L I I T G G F N A Y H T C Q H Y	P P F R I P M C	
UniRef90_R7H0D8	D Y Q T I A A C F Q R Q I	N V F F Y I G G N D S M D T V M K L S	E Y F V K V I	
UniRef90_W4TN92				
UniRef90_F3B1A5	V Y E K I F E I L K K Y N I	E F I Y I G G N D S M D T I K K L S	D Y D I R F I	
UniRef90_R5T110	Q F Q A A W E V C K K L N I	S A V V I G G D D S M D T N A A L L	A E W F I Q V I	
UniRef90_R6P4F8	D Y E K I F A V F K A L N I	K A F F Y I G G N D S M D T V L K L S	S S Y N I Q I I	
UniRef90_R7JH63	E K R F N W Q F F T E N N I	K L L V T I G G D D T A S T A N R V	A K H P I A N I	

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K T F E I I E V M G R Q S V G W L T A A S A M L A S G A P H F L I Y L P E E H D F F N E A G E
Y N V G I V K E L M G R Q S G Y L T A M Y A S I A S G A P V D L V L L P E E R T F F N E M G D A
D I R S V T E L M G R H T G W L T A A A S S L A T A T G V D C I V L L P E E R T F F N E M G D A
P N G T L V K L L M G R H S G F I T A A H A S A L A S Q D G V N F V L V P E E V N F F D L E G G
H G I G L V K L L M G R S G F I T A M H A S A L A S Q D G V N F V L V P E E V N F F D L E G G
P S I T I V E I M G R S D A G W L T T A S A S A L D S S A P D D L I Y L C E R R P F F L V D R R
P R N V I V E I M G R N A G W L A A R A S A D D C S G G P D A I Y L P E E L P F F D M D R R
N R A F L I E T M G R D S G Y L T A L V S G L V G A E M V L I P E E V E F T T F E D D
D N K T I V E I M G R H A G W L T A A A S A L A D G N P V L I Y L P E E V V A F F D T E D D
G L V T I V E I M G R N A G W L T G A A A L A E G P D D L I Y L P E E V A F F D T E D D
G L V T I V E I M G R N A G W L T G A A A L A A G A G P D D L I Y L P E E V L T F F D L D A
D T G T I V E I M G R H A G W L A G A A A V L A T A G P D D L V Y L P E E V L T F F D L D A
P N G T L V K L L M G R H S G F L T A T A A L A Q Q D N D F V L I P E E V D S L D D G A
G Q V L I V E I M G R N A G W L T G A T A L A D A D G P D D A I Y L P E E A P F F D M Q E A
D N K T I V E I M G R H A G W L T A A S A L A D N P V L I Y L P E E A A F F D M Q E A
D M V T I V E I M G R H A G W L T A S A A L A C G P D D L I Y L P E E A R D F F D L D Q K
R R L T I M E C M G R N A G W L T G S A A L A C G P D D L I Y L P E E T P F F D L E K A
D N K T I V E I M G R H A G W L T A A S A L A D N P R L I Y L P E E T A F F D D Q E A
K Y V T I V E I M G R N A G W L T A A A A L A K G V D M I C L P E E V P F F H V I E H
H R L L V L E I M G R D A G W L S L M G G L A G G A D I Y L P E E S Q D F S F V T A
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T K V F V L E V M G R H A G W I A A A G G L A A E P H I I L F P E E T T F F D Q K K
T K V F I L E V M G R H A G W I A A A S A Y G A D A P H V I L F P E E V A F F D S M K K
D T G M I M E I M G R H A G W L A A S A A Y G A D A P H V I L F P E E T D F S M K K
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I H V C V I V E I M G R N A G W I T A A A S L A D A P H L I Y L P E E R P F N Q N E A
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P S V T I V E I M G R D A G W L T A S S G L E A P A P H L I Y L P E E S D F S S E E H
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K N I F I M E A M G R D T G W L A A S S C I A T A V D D L I Y L P E E I P F F D T N K K
E M I T V L E V M G R N A G W L T G A T A L A D D G P D D L I Y L P E E R T F F D V E G
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R N V N I E I M G R S A G W L A A S S A L A H G A P D D L I Y L P E E T T F Y D D D
T K V F I L E V M G R H A G W I A G A A G L A S A P H L I L F P E E T A F D E A R K
I N N F I L E T M G R D T G W L A A S A C T A K V A D F I Y L P E E V A F D K D K
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170 180 190 200
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N G Y W H F V K L M G R S H A S G F I A L E H C A T L Q T Q P N D L C C L V S E E E V F E A K D M S
R G V G V V K L M G R S H S A S G F I L A M H A T L A S G E P D L I Y L P E E S E F E D V P S
P A V T I V E I M G R D A G W L T A A S A L M Q D G P D L I Y L P E E R K V F S S M E Q
Q R T F V L E V M G R H C G F L A L V S A L J A C Y G A D W V F L P E E E E F G S S D E D
G N W F L I C A M G R S S C G S L A L G T G E A T H S P M T I I P E E M H I T L D K
K Y W H F I K V M G R S S A S H I A L E C C A L Q T Q P N I C C L I S S E E E
R Y W H F I K L M G R S S A S H I A L E C C A L Q T Q P N I C C L I S S E E E N Q I V E Q
K Y W H F I K V M G R S S A S H I V A L E C C A L L E T Q P N I C C L V S S E E V Q I A D Y
K S V T I V E I M G R D A G W L T A A S A L L A T A P H F I Y L P E E V P F D K K E K
Y P V K I I E T M G R N A G W L T A A A S T L A D A P H I V L I P E E V Q A F H K K E R
P S V T I V E I M G R H A G W V T A A S A L L A R N P Y L I Y M P E E H A F D M E E K
P G V Y I G V I M G R D A S G F L A A S A L A D T R P N V T L I P E E E V A E K Q
K Y W H F I K L M G R S S A S H I A L E C C A L Q T R P N V T L I P E E F P C D V N D K
K K I G V V E V P G S Q A G W L A L Q S G L A A L A D A V I S P E E F P C D V N D K
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R R T F I L L E V M G R H C G Y L A I A A A A M A S E A D D Y V F I P E E L P P D D D W
K Y Y H F V R L M G R A A S H I T L E C A L Q T H P N V A L I G E E E K N V T D Y
P Y V I V V E M M G R N A G W L T A A A A G L A E S P Y L I Y L P E E H P F D L N N
T K V F V L E V M G R H A G W I A A A A G L A S S P E R I L F P E E V P F D K Q K
R R I A I I E V M G R E S G Y L A L G A A Y G Q P D T I L I P E E V P L D Y E R
Q R V F V V E V M G R D A S G F L T M Y S G T S A G A D I L I P E E T P F D L E K
K Y Y H F I K L M G R S S A S H I A L E C C A L Q T Q P N I C I I S E E E
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Q R R I F V V E M M G N T C G W L S L M T S I S C I I S D Y M L I P E A D P P W K K E
Q Q K T I L V E I M G R H A G W L T A A S A L A D N P L L I Y L P E A A P F E L A Q
K Y W H F I K L M G R S S A S H I T L E A A L Q T H C N Y A V I S E E E I A Q K N D
G N W F V V S A M G R E A S H I A F G I G V Q A C H Q Y P M I V I P E E M F N K L D K
K Y Y H F I R L M G R S A S H I A L E C C A L Q T Q P N V T L I S E E E I E E V D Y
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K Y W H F I K L M G R S S A S H I A L E C C A L Q V Q P N I C I I S E E E I E A K N Q
K Y Y H F V R L M G R A A S H I T L E C A L Q T H P N V A L I G E E E R Q V T N S
T K V F I L E V M G R H A G W I T A A A G L A G E P H I L I L F P E E N A F D E A A
D I V T I I E V M G R N A G W L T G A A A L A K G P D D L I Y L P E E V P F D I Q K
T N N F I L E T M G R D T G W L A A A G A L A Q M A D F I Y L P E E K A F E I E T
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G H Y H F I K L M G R S S A S H I T L E C A L Q T H P N I A L I G E E E I T L I H D
R Y W H F I K L M G R S A S H L A L E C C A L K T Q P N V C L I G E E E Q Q V T D Y
G R C Y I I E M M G R E G G Y H A L H S C L G A G A H L A V L P D S S R Y N M K R
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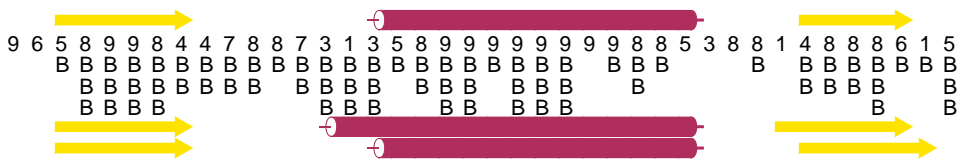
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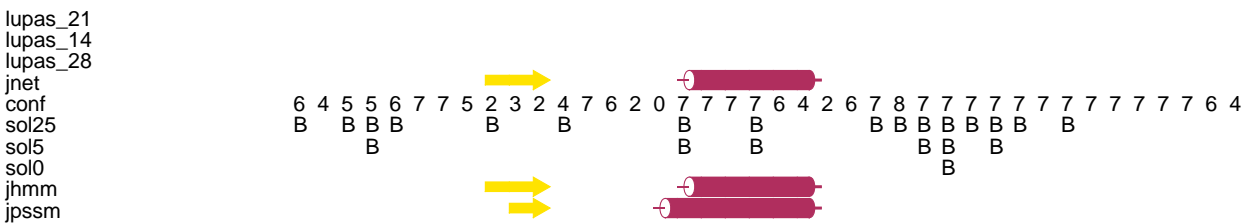
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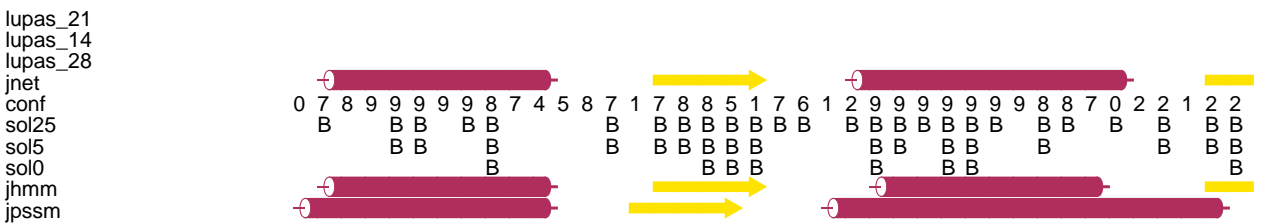
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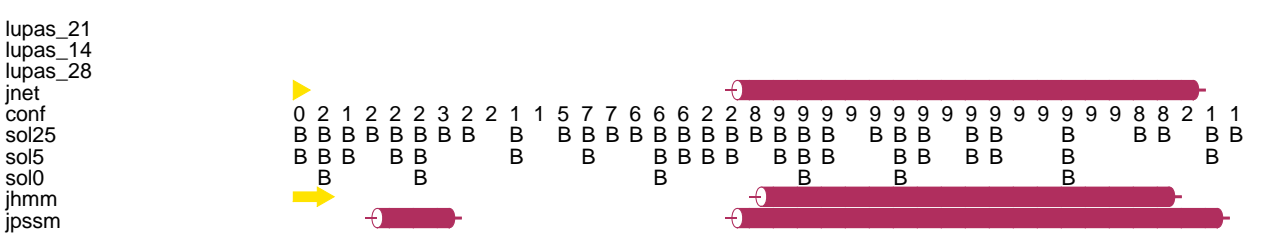
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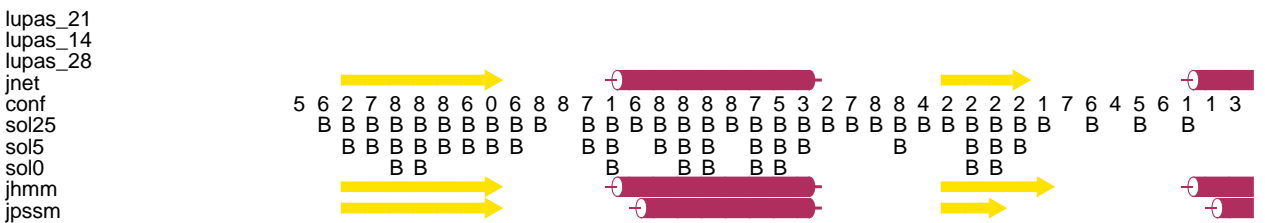
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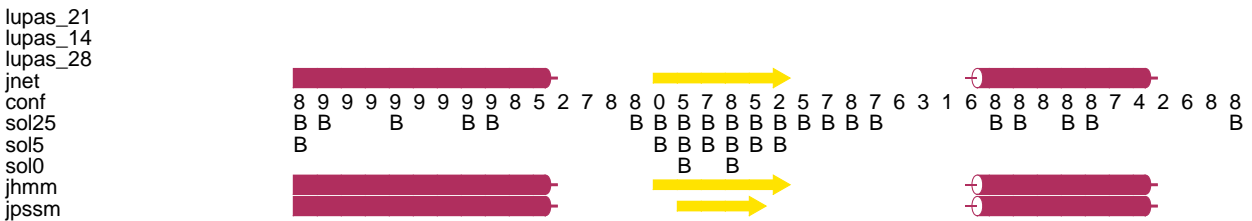
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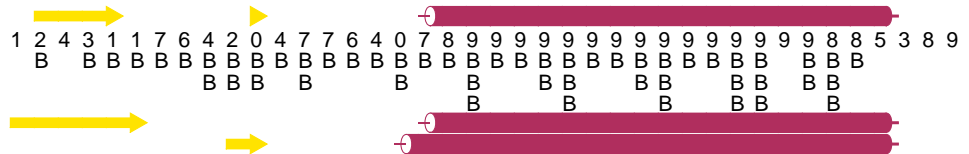
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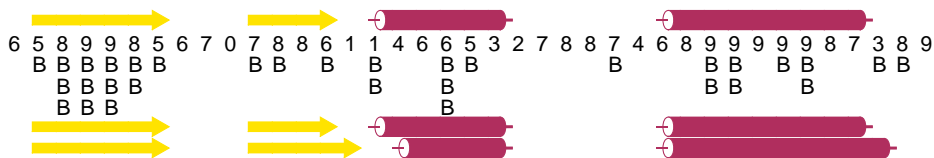
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