

QUERY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40						
UniRef90_K1RH70	G	A	G	H	F	V	K	M	V	H	N	G	I	E	Y	G	D	M	Q	Q	L	I	C	E	A	Y	H	L	M	K	D	D	A	L	L	G	G	M	S	Q	E	E	E	M	H	
UniRef90_L7VV64	G	A	G	H	F	V	K	M	V	H	N	G	I	E	Y	G	D	M	Q	Q	L	I	C	E	E	A	Y	H	L	M	K	D	D	A	L	L	G	G	M	S	Q	E	E	E	M	H
UniRef90_UPI00037A4390	G	A	G	H	F	V	K	M	V	H	N	G	I	E	Y	G	D	M	Q	Q	L	I	C	E	E	A	Y	H	L	M	K	D	D	A	L	L	G	G	M	S	Q	E	E	E	M	H
UniRef90_H8GJR3	G	A	G	H	F	V	K	M	V	H	N	G	I	E	Y	G	D	M	Q	Q	L	I	C	E	E	A	Y	H	L	M	K	D	D	A	L	L	G	G	M	S	Q	E	E	E	M	H
UniRef90_Q6PB25	G	A	G	H	F	V	K	M	V	H	N	G	I	E	Y	G	D	M	Q	Q	L	I	C	E	E	A	Y	H	L	M	K	D	D	A	L	L	G	G	M	S	Q	E	E	E	M	H
UniRef90_A6CMT0	G	A	G	H	F	V	K	M	V	H	N	G	I	E	Y	G	D	M	Q	Q	L	I	C	E	E	A	Y	H	L	M	K	D	D	A	L	L	G	G	M	S	Q	E	E	E	M	H
UniRef90_T1K9E7	G	A	G	H	F	V	K	M	V	H	N	G	I	E	Y	G	D	M	Q	Q	L	I	C	E	E	A	Y	H	L	M	K	D	D	A	L	L	G	G	M	S	Q	E	E	E	M	H
UniRef90_B9XE88	G	A	G	H	F	V	K	M	V	H	N	G	I	E	Y	G	D	M	Q	Q	L	I	C	E	E	A	Y	H	L	M	K	D	D	A	L	L	G	G	M	S	Q	E	E	E	M	H
UniRef90_G8NR23	G	A	G	H	F	V	K	M	V	H	N	G	I	E	Y	G	D	M	Q	Q	L	I	C	E	E	A	Y	H	L	M	K	D	D	A	L	L	G	G	M	S	Q	E	E	E	M	H
UniRef90_E6TT02	G	A	G	H	F	V	K	M	V	H	N	G	I	E	Y	G	D	M	Q	Q	L	I	C	E	E	A	Y	H	L	M	K	D	D	A	L	L	G	G	M	S	Q	E	E	E	M	H
UniRef90_H9K760	G	A	G	H	F	V	K	M	V	H	N	G	I	E	Y	G	D	M	Q	Q	L	I	C	E	E	A	Y	H	L	M	K	D	D	A	L	L	G	G	M	S	Q	E	E	E	M	H
UniRef90_M7P215	G	A	G	H	F	V	K	M	V	H	N	G	I	E	Y	G	D	M	Q	Q	L	I	C	E	E	A	Y	H	L	M	K	D	D	A	L	L	G	G	M	S	Q	E	E	E	M	H
UniRef90_A6DTK1	G	A	G	H	F	V	K	M	V	H	N	G	I	E	Y	G	D	M	Q	Q	L	I	C	E	E	A	Y	H	L	M	K	D	D	A	L	L	G	G	M	S	Q	E	E	E	M	H
UniRef90_F4PAA2	G	S	G	H	F	V	K	M	V	H	N	G	I	E	Y	G	D	M	Q	Q	L	I	C	E	E	A	Y	H	L	M	K	D	D	A	L	L	G	G	M	S	Q	E	E	E	M	H
UniRef90_S0DDL1	G	A	G	H	F	V	K	M	V	H	N	G	I	E	Y	G	D	M	Q	Q	L	I	C	E	E	A	Y	H	L	M	K	D	D	A	L	L	G	G	M	S	Q	E	E	E	M	H
UniRef90_B9DNT4	G	A	G	H	F	V	K	M	V	H	N	G	I	E	Y	A	D	M	Q	Q	L	I	C	E	E	A	Y	H	L	M	K	D	D	A	L	L	H	M	S	H	T	E	E	E	M	H
UniRef90_R5BV72	G	A	G	H	F	V	K	M	V	H	N	G	I	E	Y	G	D	M	Q	Q	L	I	C	E	E	A	Y	H	L	M	K	D	D	A	L	L	G	G	M	S	Q	E	E	E	M	H
UniRef90_L0G521	G	A	G	H	F	V	K	M	V	H	N	G	I	E	Y	G	D	M	Q	Q	L	I	C	E	E	A	Y	H	L	M	K	D	D	A	L	L	G	G	M	S	Q	E	E	E	M	H
UniRef90_UPI0003469703	G	A	G	H	F	V	K	M	V	H	N	G	I	E	Y	G	D	M	Q	Q	L	I	C	E	E	A	Y	H	L	M	K	D	D	A	L	L	G	G	M	S	Q	E	E	E	M	H
UniRef90_UPI000465C690	G	A	G	H	F	V	K	M	V	H	N	G	I	E	Y	G	D	M	Q	Q	L	I	C	E	E	A	Y	H	L	M	K	D	D	A	L	L	G	G	M	S	Q	E	E	E	M	H
UniRef90_K6Y476	G	A	G	H	F	V	K	M	V	H	N	G	I	E	Y	G	D	M	Q	Q	L	I	C	E	E	A	Y	H	L	M	K	D	D	A	L	L	G	G	M	S	Q	E	E	E	M	H
UniRef90_O60037	G	A	G	H	F	V	K	M	V	H	N	G	I	E	Y	G	D	M	Q	Q	L	I	C	E	E	A	Y	H	L	M	K	D	D	A	L	L	G	G	M	S	Q	E	E	E	M	H
UniRef90_UPI00037CF6D4	G	A	G	H	F	V	K	M	V	H	N	G	I	E	Y	G	D	M	Q	Q	L	I	C	E	E	A	Y	H	L	M	K	D	D	A	L	L	G	G	M	S	Q	E	E	E	M	H
UniRef90_UPI000379B207	G	A	G	H	F	V	K	M	V	H	N	G	I	E	Y	G	D	M	Q	Q	L	I	C	E	E	A	Y	H	L	M	K	D	D	A	L	L	G	G	M	S	Q	E	E	E	M	H
UniRef90_R9LVA7	G	A	G	H	F	V	K	M	V	H	N	G	I	E	Y	G	D	M	Q	Q	L	I	C	E	E	A	Y	H	L	M	K	D	D	A	L	L	G	G	M	S	Q	E	E	E	M	H
UniRef90_F8L6N2	G	A	G	H	F	V	K	M	V	H	N	G	I	E	Y	G	D	M	Q	Q	L	I	C	E	E	A	Y	H	L	M	K	D	D	A	L	L	G	G	M	S	Q	E	E	E	M	H
UniRef90_R5BDP2	G	A	G	H	F	V	K	M	V	H	N	G	I	E	Y	G	D	M	Q	Q	L	I	C	E	E	A	Y	H	L	M	K	D	D	A	L	L	G	G	M	S	Q	E	E	E	M	H
UniRef90_K9EB32	G	A	G	H	F	V	K	M	V	H	N	G	I	E	Y	G	D	M	Q	Q	L	I	C	E	E	A	Y	H	L	M	K	D	D	A	L	L	G	G	M	S	Q	E	E	E	M	H
UniRef90_G8QC15	G	A	G	H	F	V	K	M	V	H	N	G	I	E	Y	G	D	M	Q	Q	L	I	C	E	E	A	Y	H	L	M	K	D	D	A	L	L	G	G	M	S	Q	E	E	E	M	H
UniRef90_A6CGB2	G	A	G	H	F	V	K	M	V	H	N	G	I	E	Y	G	D	M	Q	Q	L	I	C	E	E	A	Y	H	L	M	K	D	D	A	L	L	G	G	M	S	Q	E	E	E	M	H
UniRef90_D6YUB8	G	A	G	H	F	V	K	M	V	H	N	G	I	E	Y	G	D	M	Q	Q	L	I	C	E	E	A	Y	H	L	M	K	D	D	A	L	L	G	G	M	S	Q	E	E	E	M	H
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UniRef90_F1L011	G	A	G	H	F	V	K	M	V	H	N	G	I	E	Y	G	D	M	Q	Q	L	I	C	E	E	A	Y	H	L	M	K	D	D	A	L	L	G	G	M	S	Q	E	E	E	M	H
UniRef90_B7Q1Y2	G	S	G	H	F	V	K	M	V	H	N	G	I	E	Y	G	D	M	Q	Q	L	I	C	E	E	A	Y	H	L	M	K	D	D	A	L	L	G	G	M	S	Q	E	E	E	M	H
UniRef90_B4L7S4	G	A	G	H	F	V	K	M	V	H	N	G	I	E	Y	G	D	M	Q	Q	L	I	C	E	E	A	Y	H	L	M	K	D	D	A	L	L	G	G	M	S	Q	E	E	E	M	H
UniRef90_I7KIE9	G	A	G	H	F	V	K	M	V	H	N	G	I	E	Y	G	D	M	Q	Q	L	I	C	E	E	A	Y	H	L	M	K	D	D	A	L	L	G	G	M	S	Q	E	E	E	M	H
UniRef90_Q17761	G	S	G	H	F	V	K	M	V	H	N	G	I	E	Y	G	D	M	Q	Q	L	I	C	E	E	A	Y	H	L	M	K	D	D	A	L	L	G	G	M	S	Q	E	E	E	M	H
UniRef90_C4JG08	G	A	G	H	F	V	K	M	V	H	N	G	I	E	Y	G	D	M	Q	Q	L	I	C	E	E	A	Y	H	L	M	K	D	D	A	L	L	G	G	M	S	Q	E	E	E	M	H
UniRef90_X2H599	G	A	G	H	F	V	K	M	V	H	N	G	I	E	Y	G	D	M	Q	Q	L	I	C	E	E	A	Y	H	L	M	K	D	D	A	L	L	G	G	M	S	Q	E	E	E	M	H
UniRef90_R4I1D6	G	A	G	H	F	V	K	M	V	H	N	G	I	E	Y	G	D	M	Q	Q	L	I	C	E	E	A	Y	H	L	M	K	D	D	A	L	L	G	G	M	S	Q	E	E	E	M	H
UniRef90_K9Z0Q4	G	A	G	H	F	V	K	M	V	H	N	G	I	E	Y	G	D	M	Q	Q	L	I	C	E	E	A	Y	H	L	M	K	D	D	A	L	L	G	G	M	S	Q	E	E	E	M	H
UniRef90_UPI0004639C99	G	A	G	H	F	V	K	M	V	H	N	G	I	E	Y	G	D	M	Q	Q	L	I	C	E	E	A	Y	H	L	M	K	D	D	A	L	L	G	G	M	S	Q	E	E	E	M	H
UniRef90_P78812	G	A	G	H	F	V	K	M	V	H	N	G	I	E	Y	G	D	M	Q	Q	L	I	C	E	E	A	Y	H	L	M	K	D	D	A	L	L	G	G	M	S	Q	E	E	E	M	H
UniRef90_UPI0004413055	G	S	G	H	F	V	K	M	V	H	N	G	I	E	Y	G	D	M	Q	Q	L	I	C	E	E	A	Y	H	L	M	K	D	D	A	L	L	G	G	M	S	Q	E	E	E	M	H
UniRef90_B4WH90	G	S	G	H	F	V	K	M	V	H	N	G	I	E	Y	G	D	M	Q	Q	L	I	C	E	E	A	Y	H	L	M	K	D	D	A	L	L	G	G	M	S	Q	E	E	E	M	H
UniRef90_F4LX84	G	A	G	H	F	V	K	M	V	H	N	G	I	E	Y	S	D	M	Q	Q	L	I	C	E	E	A	Y	H	L	M	K	D	D	A	L	L	G	G	M	S	Q	E	E	E	M	H
UniRef90_G2DRE0	G	A	G	H	F	V	K	M	V	H	N	G	I	E	Y	G	D	M	Q	Q	L	I	C	E	E	A	Y	H	L	M	K	D	D	A	L	L	G	G	M	S	Q	E	E	E	M	H
UniRef90_M1YYL7	G	A	G	H	F	V	K	M	V	H	N	G	I	E	Y	G	D	M																												

90 100 110 120

QUERY A G Q K G T G K W T A I I S A L L E Y G V P V V S L L I G A E A V F A R R C C L L S S S L K Q G E E R R
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QUERY	F	D	R	N	P	E	L	Q	N	L	L	L	D	D	F	F	K	S	A	V	E	N	C	Q	Q	D	S	W	R	R	A	V	S	T	G	V	Q	A	G	I	P		
UniRef90_K1RH70	F	D	R	N	Q	N	L	S	N	L	L	L	D	D	F	F	K	K	E	V	Q	K	C	Q	Q	D	S	W	R	R	A	V	S	T	G	V	Q	A	G	I	P		
UniRef90_L7VV64	F	D	R	N	P	N	L	T	N	L	L	L	D	D	P	F	F	A	G	E	K	V	N	K	Q	Q	D	S	W	R	R	V	V	S	T	A	V	M	N	G	I	P	
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UniRef90_G8NR23	Y	D	K	N	P	K	L	E	N	L	L	M	D	D	F	F	F	G	V	L	K	E	S	Y	Q	Q	E	S	W	R	K	A	L	V	A	A	E	L	G	I	P		
UniRef90_E6TT02	Y	D	R	N	P	E	L	P	N	L	L	M	D	D	Y	F	F	R	N	I	V	E	S	Y	Q	Q	A	L	R	E	V	I	T	L	A	V	Q	A	G	I	P		
UniRef90_H9K760	F	E	K	N	P	K	L	S	N	L	L	L	D	D	F	F	T	K	A	M	T	E	C	Q	Q	A	S	A	R	I	V	S	T	A	V	T	L	L	G	I	P		
UniRef90_M7P2I5	Y	L	A	N	P	E	L	K	N	L	L	L	D	D	G	F	F	K	T	A	I	A	Q	A	L	P	G	W	R	K	A	V	T	A	A	I	E	L	G	I	P		
UniRef90_A6DTK1	F	D	E	N	A	D	L	E	N	L	L	L	N	D	D	F	F	K	D	A	I	H	K	S	Q	Q	E	G	W	R	R	T	V	V	K	G	I	E	L	G	I	P	
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UniRef90_S0DDL1	F	D	R	E	P	G	L	S	N	L	L	L	D	D	K	F	F	G	E	K	V	Q	S	Q	Q	A	S	W	R	R	I	V	S	G	E	A	V	A	A	G	I	P	
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UniRef90_R5BV72	Y	D	K	N	P	G	L	E	N	L	L	L	D	D	S	F	F	T	D	A	M	E	K	A	Q	Q	A	G	W	R	K	V	C	A	A	A	V	L	E	Y	G	I	P
UniRef90_L0G521	F	D	K	N	P	A	L	P	H	L	L	L	D	D	S	F	F	K	E	V	N	A	Q	Q	Q	A	S	W	R	K	A	V	C	A	A	A	V	L	T	N	G	I	P
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UniRef90_UPI00037CF6D4	F	D	N	N	P	S	L	E	N	L	L	L	D	D	G	F	F	K	E	A	V	L	S	A	E	E	S	W	R	V	C	A	T	A	L	Q	N	G	I	P			
UniRef90_UPI000379B207	Y	R	E	K	P	E	L	D	N	L	L	L	A	D	P	H	F	A	D	I	A	E	R	Y	Q	Q	A	L	R	D	V	V	S	H	A	V	Q	N	G	I	P		
UniRef90_R9LVA7	Y	D	R	N	P	S	L	N	N	L	L	L	D	D	P	Y	F	K	T	I	T	D	L	V	P	S	W	R	Q	V	V	A	T	A	V	Q	N	G	I	P			
UniRef90_F8L6N2	F	D	K	N	P	N	L	E	S	L	L	L	D	D	D	F	F	K	G	E	I	L	K	A	Q	G	W	R	V	V	S	H	A	A	E	F	L	G	I	P			
UniRef90_R5BDP2	F	E	R	N	P	E	L	T	N	L	L	L	D	D	P	F	F	L	E	A	I	E	Q	H	Q	A	K	W	R	E	A	I	J	E	A	K	R	F	G	I	P		
UniRef90_K9EB32	Y	D	N	Q	E	D	L	K	N	L	L	L	D	D	Y	F	K	D	I	V	S	A	Y	Q	P	A	L	R	Q	T	V	G	H	A	V	Q	A	G	I	P			
UniRef90_G8QV15	F	D	M	K	K	D	L	P	N	L	L	L	D	D	P	Y	F	L	K	L	L	M	E	N	Q	S	L	R	K	V	V	A	T	A	I	L	N	G	I	P			
UniRef90_A6CGB2	Y	D	K	N	P	Q	L	E	N	L	L	L	D	D	F	F	R	N	A	V	E	K	A	Q	Q	P	S	W	R	R	A	V	A	T	A	V	E	L	G	I	P		
UniRef90_D6YUB8	Y	D	K	N	P	A	I	Q	N	L	L	L	D	D	F	F	K	S	E	V	G	K	A	Q	S	G	W	R	Q	V	V	A	A	A	A	Q	L	G	I	P			
UniRef90_UPI00035CCF2D	Y	D	R	D	A	A	L	D	N	L	L	L	D	D	P	Y	F	S	A	I	T	N	E	Y	H	S	A	L	R	E	T	I	S	N	A	T	S	L	N	G	I	P	
UniRef90_F1L011	F	D	E	N	P	K	L	T	N	L	L	L	D	D	K	F	F	T	N	A	I	H	Q	C	Q	D	S	W	R	K	V	C	A	T	S	T	M	L	G	I	P		
UniRef90_B7Q1Y2	F	D	K	N	P	E	L	S	C	L	L	L	D	D	S	F	F	V	D	A	I	Q	D	C	Q	A	S	W	R	V	V	A	S	A	A	Q	L	G	I	P			
UniRef90_B4L7S4	Y	T	R	G	P	T	L	S	N	L	L	L	D	D	E	Y	F	K	R	A	L	Q	Q	Q	Q	S	S	W	R	E	V	A	N	A	F	L	W	G	I	P			
UniRef90_I7KIE9	Y	G	R	D	E	D	L	A	N	L	L	L	D	D	E	Y	F	L	D	I	L	A	K	Y	Q	Q	A	V	R	D	V	V	A	L	A	V	Q	A	G	I	P		
UniRef90_Q17761	F	Q	K	N	K	D	L	S	N	L	L	L	D	D	F	F	T	K	A	I	T	E	A	Q	D	S	W	R	V	V	V	C	A	A	V	R	L	G	I	P			
UniRef90_C4JG08	Y	R	N	D	P	E	L	E	N	L	L	F	D	D	F	F	N	N	A	I	H	K	A	Q	Q	S	G	W	R	D	V	V	S	K	A	T	L	L	W	G	I	P	
UniRef90_X2H599	Y	A	D	N	N	E	I	D	N	L	L	L	A	D	P	Y	F	N	Q	T	V	E	V	Y	Q	Q	S	L	R	D	V	V	S	L	A	I	Q	Q	G	I	P		
UniRef90_R4I1D6	Y	T	A	N	A	N	I	D	N	L	L	L	A	P	Y	F	K	Q	V	A	I	Q	Y	Q	Q	A	L	R	D	V	V	S	Y	A	V	Q	Q	G	I	P			
UniRef90_K9Z0Q4	F	S	D	N	P	S	L	P	N	L	L	L	A	P	E	F	K	Q	S	I	L	D	R	Q	Q	A	W	R	D	V	L	I	L	A	N	S	L	G	I	P			
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UniRef90_P78812	F	R	E	D	P	N	L	E	S	I	L	F	H	P	F	F	T	N	G	V	E	K	A	Q	A	G	W	R	R	V	V	A	Q	A	A	M	L	G	I	P			
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UniRef90_B4WH90	Y	D	Q	D	A	K	L	P	N	L	L	A	P	E	F	F	K	Q	T	I	L	D	R	Q	D	A	W	R	E	V	A	T	A	A	K	V	G	I	P				
UniRef90_F4LX84	Y	D	E	N	L	Q	L	K	N	L	M	L	A	P	Y	F	N	Q	S	I	E	N	C	Q	Q	A	A	W	R	S	V	S	T	A	A	L	N	G	I	P			
UniRef90_G2DRE0	Y	E	N	N	P	D	L	T	F	L	G	S	D	A	Y	F	R	K	A	I	L	E	K	C	L	S	A	W	R	K	V	V	A	K	S	V	E	A	G	I	P		
UniRef90_M1YYL7	Y	E	E	E	P	S	L	Q	N	L	I	T	A	P	Y	F	R	S	I	L	L	E	S	Y	Q	Q	E	E	W	R	V	V	A	F	A	L	M	R	G	I	P		
UniRef90_F7NMN5	Y	E	Q	Q	P	S	E	L	A	N	L	L	A	P	Y	F	T	D	A	L	T	A	A	Q	G	N	W	R	L	V	V	K	T	C	A	E	L	G	I	P			
UniRef90_I2K3J9	F	R	E	N	S	D	L	E	N	L	L	F	H	P	F	F	K	S	A	V	V	Q	A	Q	X	G	W	R	K	T	V	A	R	A	V	T	N	G	I	P			
UniRef90_H5U2H1	Y	A	D	N	A	D	L	P	S	L	L	A	P	Y	F	T	D	A	V	E	S	S	L	D	X	S	W	R	R	V	V	S	A	A	T	L	N	G	I	P			
UniRef90_W1Q275	Y	S	K	N	P	D	L	D	N	L	M	L	D	D	Y	F	L	N	I	L	L	G	S	N	Q	A	A	V	R	R	V	V	T	L	A	I	Q	A	G	I	P		
UniRef90_C7LVC5	F	L	R	D	P	K	L	A	S	L	L	L	D	D	Q	F	F	K	D	A	V	H	H	A	Q	A	G	W	R	R	V	V											

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QUERY	K P G Q F I H T N WT
UniRef90_K1RH70	K P G N F I H T N WT
UniRef90_L7VV64	R P G E F F H T N WT
UniRef90_UPI00037A4390	K P G E F F H T N WT
UniRef90_H8GJR3	R P G E F F H T D WT
UniRef90_Q6PB25	N P G N F V H T N WT
UniRef90_A6CMT0	K E G V F H T E W
UniRef90_T1K9E7	K P G E Y I H T N WT
UniRef90_B9XE88	K P G E F F H T N WT
UniRef90_G8NR23	K P G E F F H T N WT
UniRef90_E6TT02	K E G T F H T E W
UniRef90_H9K760	Q E G K F V H T N WT
UniRef90_M7P2I5	R P G E F F H T N WT
UniRef90_A6DTK1	K P G E F F H T N WT
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UniRef90_R5BDP2	Q D G I F H T E W
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UniRef90_G8QV15	K R G E F F H T N WT
UniRef90_A6CGB2	K E G T F H T D W
UniRef90_D6YUB8	R P G E S F H T N WT
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UniRef90_B4L7S4	R E G E F H H T N WT
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UniRef90_M0WF68	R P G S F H T E WT
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UniRef90_H3SPS0	K E G T F H Y N W
UniRef90_R6JIE0	E R G K F F H T N WT
UniRef90_D0WKG7	R E G T F H T L WS
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Q L L R T E A S K E F E D W G L N E L D K V A D V W S R N S I I S C E L L N A I S E K
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U n i R e f 9 0 _ U 1 H R R 9 H I I E K A N H E Q K W N V D F A D M L Q L W R S G G C I I Q S D Y I D L L E K V
U n i R e f 9 0 _ R 1 E 7 P 1 N I I E R A D R T N H W N L D Y A A V L Q I W R S G G C I I Q A D H I A S L L E P
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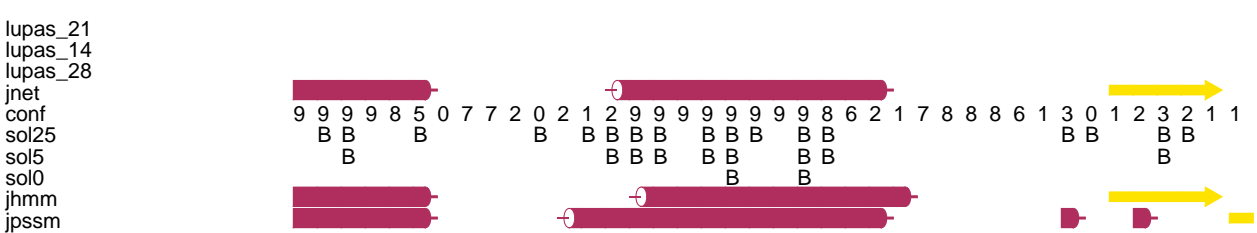
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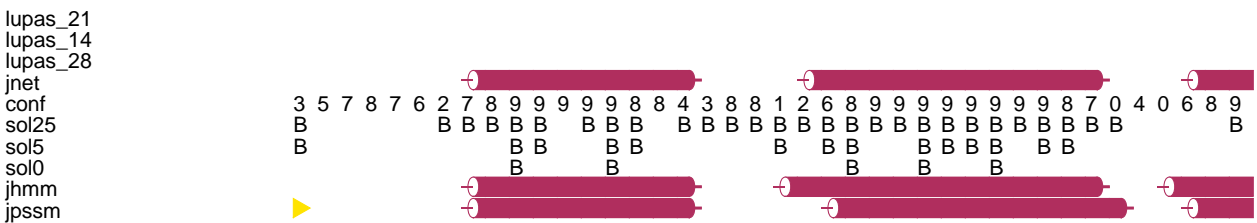


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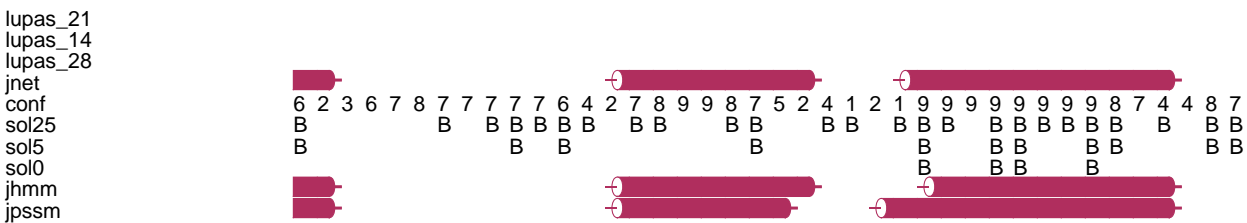
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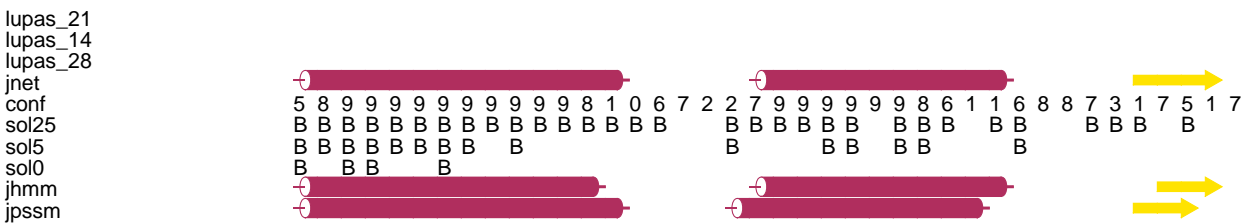
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