

Sequences producing High-scoring Segment Pairs: (from gene bank)

sp/O01588/RFA1 XENLA REPLICATION PROTEIN A 70 KD DNA-BIND... 84 4.6E-16 4
 pir//A40457 REPLICATION PROTEIN A 70K CHAIN - hu...85 4.7E-15 4
 sp/P22336/RFA1 YEAST REPLICATION FACTOR-A PROTEIN A (RF-A... 105 9.4E-15 4
 sp/P27694/RFA1 HUMAN REPLICATION PROTEIN A 70 KD DNA-BIND... 79 3.3E-14 4

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DdRPA1  VQV I K T K Q S S S N N L E I H L S D Q D H I F V G I S K T D P S N I P I N S I V N L S D F S I N F P K R F L N I V Q F N V I S Q E K E I 70
huRPA70  M V G Q L S E G A I A A I M Q K G D T N I K P I L Q V I N I R P I T T G N S P P R Y R L L M S D G L N T L S S F M L A T Q L N P L V E E E Q 70

DdRPA1  K T A O G K A L T Y H S V Y K K T D G N S Q N S N Q P Q P Q O Q Q Q H Q Q Q Q P R A N T T M G S N S G I A S R G N P L A N Q R N Q A G A I 140
huRPA70  L S S N C V C Q I H R F I V N T L K D G R R V V I L M E L E V L K S A E A V G V K I G N P V P Y N E G L G Q P Q V A P P A P A A S P A A S S 140

DdRPA1  R S N N N F G G N S N N N N N N N N N N N N N N N S G G S N N F Y A D L S T Q P I T D I E S I A P G M N V Q F T I R A M V R N K Q P 208
huRPA70  R P Q P Q N G S S G M G S T V S K A Y G A S K T F G K A A G P S L S H T S G G T Q S K V V P - I A S L T P - Y Q S K W T I C A R V T N K S Q 208

DdRPA1  L K S W N K G A N G E G K L F S M E L V D S T G E I K C A C F S D S S N P N N F I N A L Y D C F E N G K V Y F I Q R F F V K S A N K L Y N T 271
huRPA70  I R T W S N S - R A E G K L F S L E L V D E S G E I R A T A F N E - - Q V D K F F - P L - - - I E V N K V Y Y F S K G T L K I A N K Q F T A 271

DdRPA1  L S H Q S E L S I N S E S R V M I S P D Q T O F - T P H Y N F K K I A D I E N L E K N D T V D V I G A I T N I D P I A N L T S K Q G K E F P 341
huRPA70  V K N D Y E M T F N N E T S V M P C E D D H H L P T V Q F D F T G I D D L E N K S K D S L V D I I G I C K S Y E D A T K I T V R S N N R E V 341

DdRPA1  N L V S P S P R H Q C Q Y Q C S F L E . K S H . S C T S S K G W . Y H C N E G V K V S D F X G R T L X Y S F G S S F G L N D E Q L Q E T S N 411
huRPA70  A K R N I Y L M D T S G K V V T A T L W G E D A D K F D G S R Q P V L A I K G A R V S D F G G R S L S V L S S T I I A N P D I P E A Y K L 411

DdRPA1  F X A H X O N F D V N X F Q S X T I A S S Y T Q S S Y E Q V N X P I F L I R T I S E G S P L F I S G P K T N K K L Y X T I G Q F O R V V P L 481
huRPA70  R G W F D A E G Q A L D G V S I S D L K S G G V G G S N T N W K T L Y E V K S E N L G Q G D K P D Y F S S V A T V V Y L R K E N C M Y Q A C 481

DdRPA1  S Q A G E M D K G D E I S S K M E W K Y K A C K K C K K S C P E G S C P Q C G S D D W E Y A Y R M S L K L S D G D D A I S V E V M G K T G D 551
huRPA70  P T Q D C N K K V I D Q O N G L Y R C E K C D T E F P N F K Y R M I L S V N I A D F Q E N Q W V T C F Q E S A E A I L G Q N A A Y L G E L K 551

DdRPA1  X L F G K S A A E L Y Q M N Q E Q I N E I F N T V L S N N Y V V S L A P S S Y M G S N G Q T Y N R F N V Y D F A N L Y D T P N K L 616
huRPA70  D K N E Q A F E E V F Q N A N F R S F I F R V R V K V E T Y N D E S R I K A T V M D V K P V D Y R E Y G R R L V M S I R R S A L M 616
  
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Figure 47. Comparison of the protein sequence between DdRPA1 and human RPA large subunit.

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