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NTDB id 1043 HON27 RS16615 WP 168727007.1
NTDB id 1021 ACIAD RS00975 WP 004930462.1
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NTDB id 1152 A1552VC RS00200 WP 000654772.1
NTDB id 1388 AU084 RS04945 WP 062924099.1
NTDB id 1361 HI 0985 AAC22646.1
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M L T Q L S S H Q Y H T L K V W Y L V Q H S L V S F K K I I D Y F G N C E K A T Q P D G L A K W S S L G L H A N H L K R V N E F Q T P Q G . Q A Q F E Q L V A Q Q
M I T I L S S H H Y H T I K V W Y L V Q H S L S G F K K L I H Y F G D C E T A L Q P Q R L S D W Q K L G L H A N H L K R L E E V H T L Q G . Q Q F E K M L A Q Q
... M T E D E R F A W L Q L A F T P Y I G A E S F L L M R R F G S A Q N A L S A P . A E Q V A A L I R H K Q A L E A W R N A E K R A L A R Q A A E A A L E W
... M T E D E R F A W L Q L A F T P Y I G A E S F L L M R R F G S A Q N A L S A P . A E Q V A A L I R H K Q A L E A W R N A E K R A L A R Q A A E A A L E W
... M T E D E R F A W L Q L A F T P Y I G A E S F L L M R S F G S A Q N A L S A P . A E Q V A P A V R H K H A L E A W R N A E K R A L A R Q A A E A A L E W
... M T E D E R F A W L Q L A F T P Y I G A E S F L L M R S F G S A Q N A L S A P . A E Q V A P A V R H K H A L E A W R N A E K R A L A R Q A A E A A L E W
.... M N N L Q P L L A L N R M K R I G P R T V L K L Q R W P D L N L M F Q L S . S V D L E E A G L P S W L A Q T I K N F D P D F I K T D L N W
.... M D N I H A W L K L V A P G L G G H R I S R L L Q H A . M P E Q I M A M D . E S E L R S I G L T L K Q V A A I K H P D N K K I D L A L N W
M T P Q N D I D L A A W L K L S C L P G I G G V K M N K L L S K D . T P S N I V Q Y S . T E Q L Q L L G L T A K Q L Q A W . S Q V D K E V D A C L T W
... M K D Q D L A A W L A L C F T P K L G S K T I S H L L A T R . L P A Q L Q S F T . P K Q W L A C G L K P E Q L V F L T T Q A A K Q A E Q C L Q W
.... M T H L T K L L A L L Q V P Q L G A Q R I G R L L S E V . D F G E F C Q Y D . K T A L K Q M G W N E R Q I Q R W F N P E H K W I D Q A L Q W
.... M N D I T Y T L L R L M Q V P K L G G V G I D K I L S N I . T L N E L L N Y D . D V A F R M G M G W A I Q I R R W F K P E A K F I E P A L V W

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EMRD	GCR	MTL	DD	YP	LL	KQL	TA	PP	V	F	YR	NV	QL	LP	Q	AIV	GR	AS	Q	RR	A	KD	F	A	L	S	K	G	Y	T	S	G	L	A																																										
EMRD	GCR	MTL	DD	YP	LL	KQL	TA	PP	V	F	YR	NV	QL	LP	Q	AIV	GR	AS	Q	RR	A	KD	F	A	L	S	K	G	Y	T	S	G	L	A																																										
.VR	Q	T	H	T	D	F	I	L	T	P	D	S	G	Y	P	T	Q	L	L	P	Y	T	D	H	P	P	I	I	F	G	K	G	A	Q	A	L	L	Q	P	Q	I	A	I	V	G	S	R	K	P	S	P	H	G	R	Q	V	A	I	D	F	A	Y	I	L	S	E	K	G	F	F	I	S	S	G	L	A
.LQ	T	H	T	D	F	I	V	T	P	D	D	P	A	Y	S	P	Q	L	I	P	Y	Q	D	R	P	P	I	L	F	G	Q	G	S	I	Q	S	L	I	Q	P	I	A	I	V	G	S	R	K	P	S	P	H	G	R	Q	V	A	I	D	F	S	Y	L	S	E	K	G	F	F	I	S	S	G	L	A	
EMRD	.GCR	L	M	L	L	Q	D	E	F	P	E	M	L	T	Q	G	L	T	A	P	P	V	L	F	L	R	G	N	V	Q	L	L	H	K	P	S	A	I	A	I	V	G	S	R	H	A	T	P	Q	A	M	R	I	A	K	D	F	G	K	S	L	G	G	K	G	I	P	V	S	G	M	A				
EMRD	.GCR	L	M	L	L	Q	D	E	F	P	E	M	L	T	Q	G	L	T	A	P	P	V	L	F	L	R	G	N	V	Q	L	L	H	K	P	S	A	I	A	I	V	G	S	R	H	A	T	P	Q	A	M	R	I	A	K	D	F	G	K	S	L	G	G	K	G	I	P	V	S	G	M	A				
EMRD	.GCR	L	M	L	L	Q	D	E	F	P	E	M	L	T	Q	G	L	T	A	P	P	V	L	F	L	R	G	N	V	Q	L	L	H	K	P	S	A	I	A	I	V	G	S	R	H	A	T	P	Q	A	M	R	I	A	K	D	F	G	K	S	L	G	G	K	G	I	P	V	S	G	M	A				
EMRD	.GCR	L	M	L	L	Q	D	E	F	P	E	M	L	T	Q	G	L	T	A	P	P	V	L	F	L	R	G	N	V	Q	L	L	H	K	P	S	A	I	A	I	V	G	S	R	H	A	T	P	Q	A	M	R	I	A	K	D	F	G	K	S	L	G	G	K	G	I	P	V	S	G	M	A				
L	S	S	E	N	H	I	L	T	W	D	S	P	Y	P	A	L	L	K	E	I	A	D	P	F	I	L	Y	A	K	G	E	L	S	A	L	T	P	S	L	A	I	V	G	S	R	N	A	S	V	T	G	N	E	N	A	R	A	F	S	R	E	I	S	R	H	G	V	S	I	V	S	G	L	A		
Q	Q	R	P	.H	C	H	I	I	P	L	V	S	P	L	P	L	K	E	I	S	A	P	P	L	F	V	K	G	D	P	S	F	L	A	Q	P	I	A	I	G	S	R	S	A	S	I	D	R	E	I	A	D	F	A	N	I	A	Q	N	Y	V	T	S	G	L	A										
V	A	A	S	S	H	H	I	L	T	L	A	D	A	L	Y	P	P	L	K	Q	T	V	A	P	P	P	L	F	V	K	G	E	A	S	C	L	P	Q	P	I	A	I	V	G	S	R	N	A	S	V	D	G	L	Q	H	T	R	T	F	A	S	D	L	V	Q	H	D	L	I	V	T	S	G	L	A	
R	S	A	A	N	N	R	Y	I	V	T	P	H	C	P	L	Y	P	R	L	K	E	I	N	S	S	P	P	V	L	F	I	E	G	I	W	E	A	V	H	D	P	A																																		

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Position	1	2	3	4	5	6	7	8	9	10	
Y	G	I	D	E	A	A	H	Q	G	A	S
H	G	I	D	E	A	A	H	Q	G	A	S
S	G	I	D	E	A	A	H	Q	G	A	S
G	I	D	E	A	A	H	Q	G	A	S	
I	G	I	D	E	A	A	H	Q	G	A	
D	G	I	D	E	A	A	H	Q	G	A	
A	G	I	D	E	A	A	H	Q	G	A	
H	G	I	D	E	A	A	H	Q	G	A	
Q	G	I	D	E	A	A	H	Q	G	A	
G	I	D	E	A	A	H	Q	G	A	S	
A	G	I	D	E	A	A	H	Q	G	A	
S	G	I	D	E	A	A	H	Q	G	A	
G	I	D	E	A	A	H	Q	G	A	S	
I	G	I	D	E	A	A	H	Q	G	A	
D	G	I	D	E	A	A	H	Q	G	A	
A	G	I	D	E	A	A	H	Q	G	A	
H	G	I	D	E	A	A	H	Q	G	A	
Q	G	I	D	E	A	A	H	Q	G	A	
G	I	D	E	A	A	H	Q	G	A	S	
A	G	I	D	E	A	A	H	Q	G	A	
S	G	I	D	E	A	A	H	Q	G	A	
G	I	D	E	A	A	H	Q	G	A	S	
I	G	I	D	E	A	A	H	Q	G	A	
D	G	I	D	E	A	A	H	Q	G	A	
A	G	I	D	E	A	A	H	Q	G	A	
H	G	I	D	E	A	A	H	Q	G	A	
Q	G	I	D	E	A	A	H	Q	G	A	
G	I	D	E	A	A	H	Q	G	A	S	
A	G	I	D	E	A	A	H	Q	G	A	
S	G	I	D	E	A	A	H	Q	G	A	
G	I	D	E	A	A	H	Q	G	A	S	
I	G	I	D	E	A	A	H	Q	G	A	
D	G	I	D	E	A	A	H	Q	G	A	
A	G	I	D	E	A	A	H	Q	G	A	
H	G	I	D	E	A	A	H	Q	G	A	
Q	G	I	D	E	A	A	H	Q	G	A	
G	I	D	E	A	A	H	Q	G	A	S	
A	G	I	D	E	A	A	H	Q	G	A	
S	G	I	D	E	A	A	H	Q	G	A	
G	I	D	E	A	A	H	Q	G	A	S	
I	G	I	D	E	A	A	H	Q	G	A	
D	G	I	D	E	A	A	H	Q	G	A	
A	G	I	D	E	A	A	H	Q	G	A	
H	G	I	D	E	A	A	H	Q	G	A	
Q	G	I	D	E	A	A	H	Q	G	A	
G	I	D	E	A	A	H	Q	G	A	S	
A	G	I	D	E	A	A	H	Q	G	A	
S	G	I	D	E	A	A	H	Q	G	A	
G	I	D	E	A	A	H	Q	G	A	S	
I	G	I	D	E	A	A	H	Q	G	A	
D	G	I	D	E	A	A	H	Q	G		

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consensus



logo

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consensus

RS..	376
RSPY	383
IRT.	397
IRT.	397
IRT.	395
IRT.	395
EYER	361
RRG.	364
GRG.	369
GRG.	371
....	375
....	373

-  non conserved
-  similar
-  >50% conserved