

		basic 1	basic 2	helix	helix		
GgAHR	1	M - - N P N V T Y A S R K R R K P V Q K I V K P S P A E G V K S N P S K R H R D R L N A E L D R L A S L L P F P Q D V I A K L D K L S V L R					68
ShAHR	1	M - - N P N V T Y A S R K R R K P V Q K I V K P S P A E G V K S N P S K R H R D R L N A E L D R L A S L L P F P Q D V I A K L D K L S V L R					68
MmAHR	1	M S S G A N T I T Y A S R K R R K P V Q K T V K P I P A E G I K S N P S K R H R D R L N T E L D R L A S L L P F P Q D V I N K L D K S V L R					70
GgAHR	69	L S V S Y L R A K S F F D V A L K S S N S T R L E R N G I Q E S R - T A K L G E G M Q I L E G E L L L Q A L N G F V L V V T A D A L V F Y V					137
ShAHR	69	L S V S Y L R A K S F F D V A L K S S N S T R F E R N G A E N C R T A K R G E G M Q I L E G E L L L Q A L N G F V L V V T A D A L V F Y V					138
MmAHR	71	L S V T Y L R A K S F F D V A L K S - - T P A D R N G G Q D Q C - R A Q I R D W Q D L Q E G E F L L Q A L N G F V L V V T A D A L V F Y A					136
		PAS-A					
GgAHR	138	S S T I Q D Y L G F Q Q S D I I H Q S V F E L I H T E D R P E F Q R Q L H W A L N P T Q S A D S G P S V Q G D N G F S Q P A N Y Y N P D Q L					207
ShAHR	139	S S T I Q D Y L G F Q Q S D I I H Q S V F E L I H T E D R P E F Q R Q L H W A L N P A Q S A D S A P S V Q G D N G F S Q P A T Y Y N P D Q L					208
MmAHR	137	S S T I Q D Y L G F Q Q S D V I H Q S V Y E L I H T E D R A E F Q R Q L H W A L N P - - - D S A Q G V D E A H G P P Q A A V Y Y T P D Q L					202
GgAHR	208	P P E N S S F M E R N F I C R L R C L L D N S S G F L A M N F Q G R L K F L H G Q N K K G K D G A A L S P Q L A L F A V A T P L Q P P S I L					277
ShAHR	209	P P E N S S F M E R N F I C R L R C L L D N S S G F L A M N F Q G R L K F L H G Q N K K G K D G A T L S P Q L A L F A V A T P L Q P P S I L					278
MmAHR	203	P P E N A S F M E R C F R C R L R C L L D N S S G F L A M N F Q G R L K V L H G Q N K K G K D G A L L P P Q L A L F A I A T P L Q P P S I L					272
		PAS-B					
GgAHR	278	E I R T K N F I F R T K H K L D F T P T G C D A K G K I V L G Y T E A E L C M R G T G Y Q F I H A A D M L Y C A E N H V R M M K T G E S G M					347
ShAHR	279	E I R T K N F I F R T K H K L D F T P T G C D A K G K I V L G Y T E A E L C M R G T G Y Q F V H A A D M L Y C A E N H V R M M K T G E S G M					348
MmAHR	273	E I R T K N F I F R T K H K L D F T P T G C D A K G Q L I L G Y T E V E L C T R G S G Y Q F I H A A D I L H C A E S H I R M I K T G E S G M					342
		PAC					
GgAHR	348	T V F R L L T K E N R W A W V Q A N A R L V Y K V N G R P D Y I I S T Q R P L T D E E G A E H L R K R N M K L P F F M F A T G E A V L Y E L T F					417
ShAHR	349	T V F R L L T K E N R W A W V Q A N A R L V Y K V N G R P D Y I I A T Q R P L T D E E G A E H L R K R N M K L P F F M F A T G E A V L Y E V S F					418
MmAHR	343	T V F R L L A K H S R W R W V Q S N A R L I Y F R N G R P D Y I I A T Q R P L T D E E G R E H L Q K R S T S L P F F M F A T G E A V L Y E I S S					412
GgAHR	418	P M S S L S D T S Q P R S K I T T G K - - - G G K T T L H G D S V D P N S L L G A M L R Q D E S V Y L C P P A S H K L S F E R N F F A D S R					484
ShAHR	419	P M S S L M D P S Q L K N K S T T G K - - - G T K A T L H N D S V D P N S L L G A M L R Q D E S V Y L C P P A S H K L S F E R N F F A D S R					485
MmAHR	413	P F S P I M D P L P I R T K S N T S R K D W A P Q S T P S K D S F H P S S L M S A L I Q Q D E S I Y L C P P S S P A L L D S H F L M G - - - 479					
GgAHR	485	D E L S G V V S S D W T D S L L P P A G S H N I L K O E L M E C S Q D S S V P L P E D S A A L F Q D N K T N D L Y S I M K N L G I D F E D L K					554
ShAHR	486	D E L G G G V V S S D W T D N F L P A G N H S V L K R E L M E R S Q D S T V P L P E D S A A L F Q D N K T S D L Y S I M K N L G I D F E D L K					555
MmAHR	480	- - S V S K C G S W Q D S F A A A G S E A A L K H E O I G H A Q D V N L A L S G G P S E L F P D N K N N D L Y S I M R N L G I D F E D I R					546
GgAHR	555	C I Q Q D E E F F K T E L S - - G M D D I G D I D I T D E I I L T Y V Q D S L N K S D F L Y S G C N Q Q P L V Q N A G C L V Q Q E L D Q H Q					622
ShAHR	556	C I Q Q D E E F F K T E L S - - G V D D I G D I D I T D E I I L T Y V Q D S L S K S D F L Y S G C N Q Q P L V Q N E G C L V Q Q E L D P H Q					623
MmAHR	547	S M Q - N E E F F R T D S T A A G E V D F K D I D I T D E I I L T Y V Q D S L N N S T L L N S A C Q Q Q - P V T Q H L S C M L Q E R L Q L E Q					614
GgAHR	623	I H Q H Q K - - - Q L M E Q Q Q Q Q Q Q Q L C Q K - - - M K H M Q V N G M F T N W S S G T S M P L C S P K Q - - P Q Q Y T F P G M Q A N A					683
ShAHR	624	I H Q H Q K - - - Q L V E Q Q Q Q Q Q Q Q L C Q K - - - M K H M Q V N G M F A N W S S G T S M P L G C S Q Q Q - P Q Q Y A L P G M Q A T A					685
MmAHR	615	Q Q Q L Q P P P Q A L E P Q Q Q L C Q M V C P Q Q D L G P K H T Q I N G T F A S W N P T P P V S F N C P Q Q E L K H Y Q L F S S L Q G T A					684
GgAHR	684	A E F S Y K S E V N A S P Y A C R Q E F V P Y K Q P T A M M P Q L S N F S Q M D F P V A G L D R S A Y S A S S N L E D F L G C L Q Q V P E N					753
ShAHR	686	P E F T Y K S E V N T S P Y A C R Q E F I P Y K Q H T G V V P Q L S N F A Q M D F P V A G F D R P T Y S A S S N L E D F L S C L Q Q V P E N					754
MmAHR	685	Q E F P Y K P E V D S V P Y T - - Q N F A P C N Q P - - L L P E H S K S V Q L D F P G R D F E P S L H P T T S N L D - F V S C L Q - V P E N					748
GgAHR	754	L D C G I N S E S V M L T P O T C Y A G A V S M Y Q C T Q E R Q P N C M D Q M Q Y D P M M A N Q Q T L L N K F Q N G F N G G N V N E A Y P S					823
ShAHR	755	H E C G I N S E S V M L T P Q T C Y A G A V S M Y Q C T Q E A Q P S C V D Q M Q Y D P M T S S Q Q T L L N K F Q N G F N G G N V N E A Y P S					824
MmAHR	749	Q S H G I N S Q S A M V S P Q A Y Y A G A M S M Y Q C Q P G P Q R T P V D D T Q Y S S E I P G S Q A F L S K V Q S					805
GgAHR	824	Q L D V I S N S Q T A T H L Q P V H H P T E P R S F P D L A S S G F M 858					
ShAHR	825	Q L D V I S N A Q T A T H L Q P L H H P T E P R S F S D L A S S G F M 859					
MmAHR	806						