

AUR3_h - - - - - M S S P R A V V Q L G K A Q P A G E E L - - - - - 20
AUR3_m - - - - - - - - - - - - - - - M E P S T S T - - - - - 7
AUR1_h - - - - - - - - - - - - - - - M A Q K E N S Y P W P - - - - - 11
AUR1_m - - - - - - - - - - - - - - - M A Q K E N A Y P W P - - - - - 11
AUR1_r - - - - - - - - - - - - - - - M A Q K E N V Y P W P - - - - - 11
AUR2_h - - - - - - - - - - - - - - - M D R S K E N C I S G P V K A T A P V G - - - 20
AUR2_m - - - - - - - - - - - - - - - M D R C K E N C V S R P V K T T V P F G - - - 20
Eg1_xl - 0
Eg2_xl - - - - - - - - - - - - - - - M E R A V K E N H K P S N V K I F H P - - - - - 19
AUR_dm - - - - - - - - - - - M S H P S D H V L R P K E N A P H R M P E K S A A V L N M Q K 31
AIR1_ce M P L N N P P S K I H S K I T L I M S G K E N T A - - - - - 25
AIR2_ce - - - - - - - - - - - - - - - - M E N K P P V I N L P E K - - - - - 13
AL022245_sp - M V L P Q N V N N N A P T S G R T C Q K P T S A F F Y E I M S D S K - - - 34
IPL1_sc - - - - - - - - - - - M Q R N S L V N I K L N A N S P S K - - - - - 18
F17K2.2_at - - - - - - - - - - - - - - - M S K K S T E S D A G N - - - - - 12
F17H15.9_at - 0
IAL_dm - - - - - - - - - - - M T L S R A K H A N R N H L P H L L - - - - - 18

AUR3_h - 20
AUR3_m - 7
AUR1_h - 11
AUR1_m - 11
AUR1_r - 11
AUR2_h - 27
AUR2_m - 26
Eg1_xl - 10
Eg2_xl - 29
AUR_dm N L L L G K K P N S E N M A P D S K P L P G S S G A L I R S A A T T V R P A T K 71
AIR1_ce - 27
AIR2_ce - 13
AL022245_sp - 38
IPL1_sc - 23
F17K2.2_at - 12
F17H15.9_at - 0
IAL_dm - 18

AUR3_h - - - - - - - - - - - A T A N Q T A Q Q P S S P A - - - - - 34
AUR3_m - 7
AUR1_h - - - - - Y G R Q T A P S G L S T L P Q R V L R K E P V T T P S A L V L M S R S - - - 45
AUR1_m - - - - - Y G S K T S Q S G L N T L S Q R V L R K E P A T T T S A L A L V N R S - - - 45
AUR1_r - - - - - Y G S K T S Q S G L N T L P Q R V L R K E P A V T T P A Q A L M N R S - - - 45
AUR2_h T Q Q F P C Q N P L P V N S G Q A Q R V L C P S N S S Q R V P L Q A Q K - L V S 66
AUR2_m T E Q I P S Q N L G S A S S G Q A Q R V L C P S N S - Q R V P S Q A Q K - L G A 64
Eg1_xl S Q P P S T Q V R P P V T G V S A Q R I L G P S N V P Q R V M M Q A Q K P V L S 50
Eg2_xl N Q P Q S T Q F R P P G T A V S A Q R I L G P S N V P Q R V L A Q A Q K P I L S 69
AUR_dm P G L G G S N S I A S S E G N N F Q K P M V P S V K K T T S E F A A P A P V A P 111
AIR1_ce I D D Q K A E V I S L T E D S R P Q R V D Q A R E E S C - - - - - 55
AIR2_ce - 13
AL022245_sp L N C L S V S T P S T T A N P G R Q Q L L R L A V S N Q R Q V N N V S L A N G K 78
IPL1_sc P N T S R I N K P W R I S H S P Q Q R N P N S K I P S P V R E K L N R L P V N N 63
F17K2.2_at - 12
F17H15.9_at - 0
IAL_dm - 18

AUR3_h - 34
AUR3_m - 7
AUR1_h - 51
AUR1_m - 51
AUR1_r - 51
AUR2_h S H K P V Q N - - - Q K Q K Q L Q A T S V P H P V S R P L N N T Q K S K Q P L P 103
AUR2_m G Q K P A - - - - - - - P K Q L P A A S V P R P V S R - L N N P Q K N E Q Q P - - 94
Eg1_xl N Q K P T A Q G L L R P A T H G H Q T S K P Q G P N E N R N P Q Q T S H S S T P 90
Eg2_xl S Q K P T T Q I P L R P A T Q G H Q S S K P Q G P N E N R N P Q Q T S H S S T P 109
AUR_dm I K K P E S L S K Q K P T A A - - - - - - - - - - - - - - - S S E S S S K E 133
AIR1_ce - 55
AIR2_ce - 13
AL022245_sp E N K R T S - N S K 87
IPL1_sc K K F L D M E S S K I P S P I R K A T S S K M I H E N K K L P - - - - - 94
F17K2.2_at - 12
F17H15.9_at - 0
IAL_dm - 22

AUR3_h	N	L	L	L	G	F	R	G	E	V	K	I	A	D	F	G	W	S	V	-	H	T	P	S	L	R	R	K	T	M	C	G	T	L	D	Y	L	P	P	E	209	
AUR3_m	N	L	L	L	G	L	N	G	E	V	K	I	S	D	F	G	W	S	V	-	H	T	P	S	L	R	R	K	T	M	C	G	T	L	D	Y	L	P	P	E	182	
AUR1_h	N	L	L	L	G	L	K	G	E	L	K	I	A	D	F	G	W	S	V	-	H	A	P	S	L	R	R	K	T	M	C	G	T	L	D	Y	L	P	P	E	243	
AUR1_m	N	L	L	L	G	L	Q	G	E	L	K	I	A	D	F	G	W	S	V	-	H	A	P	S	L	R	R	K	T	M	C	G	T	L	D	Y	L	P	P	E	248	
AUR1_r	N	L	L	L	G	L	Q	G	E	L	K	I	A	D	F	G	W	S	V	-	H	A	P	S	L	R	R	K	T	M	C	G	T	L	D	Y	L	P	P	E	246	
AUR2_h	N	L	L	L	G	S	A	G	E	L	K	I	A	D	F	G	W	S	V	-	H	A	P	S	S	R	R	T	T	L	C	G	T	L	D	Y	L	P	P	E	299	
AUR2_m	N	L	L	L	G	S	N	G	E	L	K	I	A	D	F	G	W	S	V	-	H	A	P	S	S	R	R	T	T	M	C	G	T	L	D	Y	L	P	P	E	290	
Eg1_xl	N	L	L	L	G	S	N	G	E	L	K	I	A	D	F	G	W	S	V	-	H	A	P	S	S	R	R	T	T	L	C	G	T	L	D	Y	L	P	P	E	287	
Eg2_xl	N	L	L	L	G	S	N	G	E	L	K	I	A	D	F	G	W	S	V	-	H	A	P	S	S	R	R	T	T	L	C	G	T	L	D	Y	L	P	P	E	306	
AUR_dm	N	L	L	L	G	H	K	G	V	L	K	I	A	D	F	G	W	S	V	-	H	E	P	N	S	M	R	M	T	L	C	G	T	V	D	Y	L	P	P	E	332	
AIR1_ce	N	L	L	L	D	S	K	L	N	L	K	L	A	D	F	G	W	S	V	-	V	A	D	H	S	K	R	H	T	L	C	G	T	M	D	Y	L	A	P	E	229	
AIR2_ce	N	L	L	I	G	S	Q	G	E	L	K	I	G	D	F	G	W	S	V	-	H	A	P	S	N	K	R	Q	T	M	C	G	T	M	D	Y	L	P	P	E	196	
AL022245_sp	N	I	L	L	G	I	D	G	E	I	K	L	S	D	F	G	W	S	V	-	H	A	P	S	N	R	R	T	T	L	C	G	T	L	D	Y	L	P	P	E	284	
IPL1_sc	N	I	L	I	G	F	N	N	V	I	K	L	T	D	F	G	W	S	I	-	I	N	P	P	E	N	R	R	K	T	V	C	G	T	I	D	Y	L	S	P	E	271
F17K2.2_at	N	L	L	L	D	H	E	G	R	L	K	I	A	D	F	G	W	S	V	-	Q	S	-	S	N	K	R	K	T	M	C	G	T	L	D	Y	L	A	P	E	187	
F17H15.9_at	N	L	L	I	G	A	Q	G	E	L	K	I	A	D	F	G	W	S	V	-	H	T	-	F	N	R	R	R	T	M	C	G	T	L	D	Y	L	P	P	E	184	
IAL_dm	N	I	L	L	T	S	T	D	L	K	L	A	D	F	G	W	S	A	-	H	T	P	N	N	K	R	R	T	L	C	G	T	L	D	Y	L	P	P	E	221		

AUR3_h	M	I	E	G	R	T	Y	D	E	K	V	D	L	W	C	I	G	V	L	C	Y	E	L	L	V	G	Y	P	P	F	E	S	-	A	S	H	S	E	T	Y	248
AUR3_m	M	I	A	Q	K	P	Y	N	E	M	V	D	L	W	C	I	G	V	L	C	Y	E	L	L	V	G	K	P	P	F	E	S	-	S	T	S	S	E	T	Y	221
AUR1_h	M	I	E	G	R	M	H	N	E	K	V	D	L	W	C	I	G	V	L	C	Y	E	L	L	V	G	N	P	P	F	E	S	-	A	S	H	N	E	T	Y	282
AUR1_m	M	I	E	G	R	M	H	N	E	M	V	D	L	W	C	I	G	V	L	C	Y	E	L	M	V	G	N	P	P	F	E	S	-	P	S	H	S	E	T	Y	287
AUR1_r	M	I	E	G	R	M	H	N	E	M	V	D	L	W	C	I	G	V	L	C	Y	E	L	M	V	G	N	P	P	F	E	S	-	P	S	H	S	E	T	Y	285
AUR2_h	M	I	E	G	R	M	H	D	E	K	V	D	L	W	S	L	G	V	L	C	Y	E	F	L	V	G	K	P	P	F	E	A	-	N	T	Y	Q	E	T	Y	338
AUR2_m	M	I	E	G	R	M	H	D	E	K	V	D	L	W	S	L	G	V	L	C	Y	E	F	L	V	G	M	P	P	F	E	A	-	H	T	Y	Q	E	T	Y	329
Eg1_xl	M	I	E	G	R	M	H	D	E	K	V	D	L	W	S	L	G	V	L	C	Y	E	F	L	V	G	K	P	P	F	E	T	-	D	T	H	Q	E	T	Y	326
Eg2_xl	M	I	E	G	R	M	H	D	E	T	V	D	L	W	S	L	G	V	L	C	Y	E	F	L	V	G	K	P	P	F	E	T	-	D	T	H	Q	E	T	Y	345
AUR_dm	M	V	Q	G	K	P	H	T	K	N	V	D	L	W	S	L	G	V	L	C	F	E	L	L	V	G	H	A	P	F	Y	S	K	N	-	Y	D	E	T	Y	371
AIR1_ce	M	V	S	N	Q	P	H	D	K	N	V	D	I	W	A	I	G	I	L	F	E	M	L	V	G	Y	A	P	F	A	N	Q	T	G	-	D	K	L	I	268	
AIR2_ce	M	V	N	G	A	D	H	S	D	A	V	D	L	W	A	I	G	V	L	C	Y	E	F	L	V	G	K	P	P	F	E	H	-	E	D	Q	S	K	T	Y	235
AL022245_sp	M	V	E	G	K	E	H	T	E	K	V	D	L	W	S	L	G	V	L	T	Y	E	F	L	V	G	A	P	P	F	E	D	M	S	G	H	S	A	T	Y	324
IPL1_sc	M	V	E	S	R	E	Y	D	H	T	I	D	A	W	A	L	G	V	L	A	F	E	L	L	T	G	A	P	P	F	E	E	E	M	K	-	D	T	Y	310	
F17K2.2_at	M	V	E	N	R	D	H	D	Y	A	V	D	N	W	T	L	G	I	L	C	Y	E	F	L	Y	G	N	P	P	F	E	A	-	E	S	Q	K	D	T	F	226
F17H15.9_at	M	V	E	S	V	E	H	D	A	S	V	D	I	W	S	L	G	I	L	C	Y	E	F	L	Y	G	V	P	P	F	E	A	-	R	E	H	S	E	T	Y	223
IAL_dm	M	V	D	G	N	S	Y	D	D	S	V	D	Q	W	C	L	G	I	L	C	Y	E	F	V	V	G	C	P	P	F	E	S	N	S	T	-	E	S	T	Y	260

AUR3_h	R	R	I	L	K	V	D	V	R	F	P	-	-	L	S	M	P	L	G	A	R	D	L	I	S	R	L	L	R	Y	Q	P	L	E	R	L	P	L	A	Q	286
AUR3_m	R	R	I	R	Q	V	D	L	K	F	P	-	-	S	S	V	P	A	G	A	Q	D	L	I	S	K	L	L	R	Y	H	P	S	E	R	L	S	L	A	Q	259
AUR1_h	R	R	I	V	K	V	D	L	K	F	P	-	-	S	S	V	P	T	G	A	Q	D	L	I	S	K	L	L	R	H	N	P	S	E	R	L	P	L	A	Q	320
AUR1_m	R	R	I	V	K	V	D	L	K	F	P	-	-	S	S	V	P	S	G	A	Q	D	L	I	S	K	L	L	K	H	N	P	W	Q	R	L	P	L	A	E	325
AUR1_r	R	R	I	V	K	V	D	L	K	F	P	-	-	S	S	M	P	L	G	A	K	D	L	I	S	K	L	L	K	H	N	P	S	Q	R	L	P	L	E	Q	323
AUR2_h	K	R	I	S	R	V	E	F	T	F	P	-	-	D	F	V	T	E	G	A	R	D	L	I	S	R	L	L	K	H	N	P	S	Q	R	P	M	L	R	E	376
AUR2_m	R	R	I	S	R	V	E	F	T	F	P	-	-	D	F	V	T	E	G	A	R	D	L	I	S	R	L	L	K	H	N	A	S	Q	R	L	T	L	A	E	367
Eg1_xl	R	R	I	S	K	V	E	F	Q	Y	P	-	-	P	Y	V	S	E	E	A	K	D	L	V	S	K	L	L	K	H	N	P	N	H	R	L	P	L	K	G	364
Eg2_xl	R	R	I	S	K	V	E	F	Q	Y	P	-	-	P	Y	V	S	E	E	A	R	D	L	V	S	K	L	L	K	H	N	P	N	H	R	L	P	L	K	G	383
AUR_dm	K	K	I	L	K	V	D	Y	K	L	P	-	-	E	H	I	S	K	A	A	S	H	L	I	S	K	L	L	V	L	N	P	Q	H	R	L	P	L	D	Q	409
AIR1_ce	A	R	I	K	E	C	K	I	Y	I	P	-	-	S	V	V	T	D	G	A	S	L	I	N	A	I	I	K	K	E	P	Q	E	R	L	P	L	V	D	306	
AIR2_ce	A	A	I	K	A	A	R	F	T	Y	P	-	-	D	S	V	K	K	G	A	R	D	L	I	G	R	L	L	V	V	D	P	K	A	R	C	T	L	E	Q	273
AL022245_sp	K	R	I	A	K	V	D	L	K	I	P	-	-	S	F	V	P	P	D	A	R	D	L	I	S	R	L	L	Q	H	N	P	E	K	R	M	S	L	E	Q	362
IPL1_sc	K	R	I	A	A	L	D	I	K	M	P	-	-	S	N	I	S	Q	D	A	Q	D	L	I	L	K	L	L	K	Y	D	P	K	D	R	M	R	L	G	D	348
F17K2.2_at	K	R	I	L	K	I	D	L	S	F	P	L	T	P	N	V	S	E	E	A	K	N	L	I	S	Q	L	L	V	K	D	P	S	K	R	L	S	I	E	K	266
F17H15.9_at	K	R	I	V	Q	V	D	L	K	F	P	P	K	P	I	V	S	S	S	A	K	D	L	I	S	Q	M	L	V	K	E	S	T	Q	R	L	A	L	H	K	263
IAL_dm	S	K	I	R	R	M	E	I	S	Y	P	-	-	S	H	L	S	K	G	C	K	E	L	I	G	G	C	F	A	R	Q	S	K	G	R	I	T	L	V	D	298

AUR3_h	I	L	K	H	P	W	V	Q	A	H	S	R	R	V	L	P	P	C	A	Q	M	A	S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	309
AUR3_m	V	L	K	H	P	W	V	R	E	H	S	R	R	V	L	P	P	C	V	H	G	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	281
AUR1_h	V	S	A	H	P	W	V	R	A	N	S	R	R	V	L	P	P	S	A	L	Q	S	V	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	344
AUR1_m	V	S	A	H	P	W	V	R	A	N	S	R	R	V	L	P	P	S	A	L																					

Decoration Decoration #4 : Box residues that match the consensus named Consensus exactly.