

A R L S Q K F P K A D F T E V S K I V T D L T K V H K E C C H G D L L E C A D D Majority	
250 260 270 280	
240	A R L S Q K F P K A E F V E V T K L V T D L T K V H K E C C H G D L L E C A D D bovineSA
240	A R L S Q K F P K A D F T D V T K I V T D L T K V H K E C C H G D L L E C A D D sheepSA
238	A R L S Q R F P K A D F T E I S K I V T D L A K V H K E C C H G D L L E C A D D porcineSA
240	A R L S Q K F P K A D F A E V S K I V T D L T K V H K E C C H G D L L E C A D D horseSA
241	V R L S Q R F P K A D F T D I S K I V T D L T K V H K E C C H G D L L E C A D D rabSA
R A D L A K Y I C E H Q D T I S S K L K E C C D K P L L E K S H C I A E V K K D Majority	
290 300 310 320	
280	R A D L A K Y I C D N Q D T I S S K L K E C C D K P L L E K S H C I A E V E K D bovineSA
280	R A D L A K Y I C D H Q D A L S S K L K E C C D K P V L E K S H C I A E V D K D sheepSA
278	R A D L A K Y I C E N Q D T I S T K L K E C C D K P L L E K S H C I A E A K R D porcineSA
280	R A D L A K Y I C E H Q D S I S G K L K A C C D K P L L Q K S H C I A E V K E D horseSA
281	R A D L A K Y M C E H Q E T I S S H L K E C C D K P I L E K A H C I Y G L H N D rabSA
A L P A D L P P L A A D F A E D K E V C K N Y Q E A K D V F L G S F L Y E Y S R Majority	
330 340 350 360	
320	A I P E N L P P L T A D F A E D K D V C K N Y Q E A K D A F L G S F L Y E Y S R bovineSA
320	A V P E N L P P L T A D F A E D K E V C K N Y Q E A K D V F L G S F L Y E Y S R sheepSA
318	E L P A D L N P L E H D F V E D K E V C K N Y K E A K D V F L G T F L Y E Y S R porcineSA
320	D L P S D L P A L A A D F A E D K E I C K H Y K D A K D V F L G T F L Y E Y S R horseSA
321	E D T A G L P A V A E E F V E D K D V C K N Y E E A K D L F L G K F L Y E Y S R rabSA
R H P D Y S V S L L R L A K E Y E A T L E D C C A K D D P H A C Y A T V F D K Majority	
370 380 390 400	
360	R H P E Y A V S V L L R L A K E Y E A T L E E C C A K D D P H A C Y S T V F D K bovineSA
360	R H P E Y A V S V L L R L A K E Y E A T L E D C C A K E D P H A C Y A T V F D K sheepSA
358	R H P D Y S V S L L R I A K I Y E A T L E D C C A K E D P P A C Y A T V F D K porcineSA
360	R H P D Y S V S L L R I A K T Y E A T L E K C C A E A D P P A C Y R T V F D Q horseSA
361	R H P D Y S V V L L L R L G K A Y E A T L K K C C A T D D P H A C Y A K V L D E rabSA
F Q P L V D E P K N L I K Q N C E L F E K L G E Y G F Q N A L I V R Y T K K V P Majority	
410 420 430 440	
400	L K H L V D E P Q N L I K Q N C D Q F E K L G E Y G F Q N A L I V R Y T R K V P bovineSA
400	L K H L V D E P Q N L I K K N C E L F E K H G E Y G F Q N A L I V R Y T R K A P sheepSA
398	F Q P L V D E P K N L I K Q N C E L F E K L G E Y G F Q N A L I V R Y T K K V P porcineSA
400	F T P L V E E P K S L V K K N C D L F E E V G E Y D F Q N A L I V R Y T K K A P horseSA
401	F Q P L V D E P K N L V K Q N C E L Y E Q L G D Y N F Q N A L L V R Y T K K V P rabSA
Q V S T P T L V E I S R S L G K V G S R C C K K P E S E R L P C T E D Y L S L V Majority	
450 460 470 480	
440	Q V S T P T L V E V S R S L G K V G T R C C T K P E S E R M P C T E D Y L S L I bovineSA
440	Q V S T P T L V E I S R S L G K V G T K C C A K P E S E R M P C T E D Y L S L I sheepSA
438	Q V S T P T L V E V A R K L G L V G S R C C K R P E E E R L S C A E D Y L S L V porcineSA
440	Q V S T P T L V E I G R T L G K V G S R C C K L P E S E R L P C S E N H L A L A horseSA
441	Q V S T P T L V E I S R S L G K V G S K C C K H P E A E R L P C V E D Y L S V V rabSA

	<u>L N R L C V L H E K T P V S E K V T K C C T E S L V N R R P C F S A L T P D E T</u>	Majority
	490 500 510 520	
480	L N R L C V L H E K T P V S E K V T K C C T E S L V N R R P C F S A L T P D E T	bovineSA
480	L N R L C V L H E K T P V S E K V T K C C T E S L V N R R P C F S D L T L D E T	sheepSA
478	L N R L C V L H E K T P V S E K V T K C C T E S L V N R R P C F S A L T P D E T	porcineSA
480	L N R L C V L H E K T P V S E K I T K C C T D S L A E R R P C F S A L E L D E G	horseSA
481	L N R L C V L H E K T P V S E K V T K C C S E S L S N R R P C F S A L G P D E T	rabSA
	<u>Y V P K E F D E E T F T F H A D I C T L P E T E K Q I K K Q T A L V E L L K H K</u>	Majority
	530 540 550 560	
520	Y V P K A F D E K L F T F H A D I C T L P D T E K Q I K K Q T A L V E L L K H K	bovineSA
520	Y V P K P F D E K F F T F H A D I C T L P D T E K Q I K K Q T A L V E L L K H K	sheepSA
518	Y K P K E F V E G T F T F H A D L C T L P E D E K Q I K K Q T A L V E L L K H K	porcineSA
520	Y V P K E F K A E T F T F H A D I C T L P E D E K Q I K K Q S A L A E L V K H K	horseSA
521	Y V P K E F N A E T F T F H A D I C T L P E T E R K I K K Q T A L V E L V K H K	rabSA
	<u>P K A T E E Q L K T V L G N F V A F V D K C C A A D D K E A C F A V E G P K L V</u>	Majority
	570 580 590 600	
560	P K A T E E Q L K T V M E N F V A F V D K C C A A D D K E A C F A V E G P K L V	bovineSA
560	P K A T D E Q L K T V M E N F V A F V D K C C A A D D K E G C F V L E G P K L V	sheepSA
558	P H A T E E Q L R T V L G N F A A F V Q K C C A A P D H E A C F A V E G P K F V	porcineSA
560	P K A T K E Q L K T V L G N F S A F V A K C C G R E D K E A C F A E E G P K L V	horseSA
561	P H A T N D Q L K T V V G E F T A L L D K C C S A E D K E A C F A V E G P K L V	rabSA
	<u>A S S Q A A L A</u>	Majority
600	V S T Q T A L A	bovineSA
600	A S T Q A A L A	sheepSA
598	I E I R G I L A	porcineSA
600	A S S Q L A L A	horseSA
601	E S S K A T L G	rabSA

Decoration 'Decoration #1': Shade (with solid black) residues that match the Consensus exactly.