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 g t t c c g a a g g g a c g g g c g a t g g c c t c c g t t g c c c t c g g c c g a t c g a a a g g g a g t c g g g t t c a g a t c c c c g a a t c c g g a g t g g c g g a g a t g g g c g c c g c g a g g c g t c c a g t g c g g t a a c g c g a c c g a t c c c 10519  
 10,540 10,560 10,580 10,600 10,620 10,640 10,660  
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 g g a g a a g c c g g c g g g a g c c c c g g g g a g a g t t c t c t t t t c t t g t g a a g g g c a g g g c g c c t g g a a t g g g t t c g c c c g a g a g a g g g c c c g t g c c t t g g a a a g c g t c g c g g t t c c g g c g g c g t c c g g t g a 10649  
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 11,320 11,340 11,360 11,380 11,400 11,420 11,440  
 KY962518\_1 human\_rDNA g g c g g g a g c g g t c g g g c g g c g g g t g g c g g g c g g c g g g g g g g g g t t c g t c c c c c g c c c t a c c c c c c g g c c c g t c g c c c c c g t t c c c c c t c c t c c t c g g e g c g g g c g g c g g c g g c g g c g g c g g c - - 11408  
 g g c g g g a g c g g t c g g g c g g c g g g t g g c g g g c g g c g g g g g g g g g t t c g t c c c c c g c c c t a c c c c c c g c c c c g t c g c c c c c g t t c c c c c t c c t c c t c g g e g c g g g c g g c g g c g g c g g c g g c g g c g g c 11429  
 11,460 11,480 11,500 11,520 11,540 11,560  
 KY962518\_1 human\_rDNA - g g c g g c g a g g g g c c g g g c g g t c c c c c c g c g g g t c c g c c c c g g g c g g t t c c g c g g c g c c t c g c c t c g g c c g g c c t a g c a g c c a c t t a g a a c t g g t g c g g a c a g g g g a a t c c g a 11537  
 a g g c g c g g a g g g g c c g g g c g g t c c c c c c g c g g g t c c g c c c c g g g c c g c g g t t c c g c g g g c c t c g c c t c g g c g g c c t a g a a c t g g t g c g g a c a g g g g a a t c c g a 11559  
 11,580 11,600 11,620 11,640 11,660 11,680 11,700  
 KY962518\_1 human\_rDNA c t g t t a a t t a a a a a a g c a t c g c g a a g c c c g c g g c g g t g t t g a c g c a t g t g a t t t c t g c c c a g t g c t c t g a a t g t c a a a g t a a g a a a t t c a a t g a a g c g c g g g t a a a c g g c g g g a t a a c t a t g 11667  
 c t g t t a a t t a a a a a a a g c a t c g c g a a g c c c g c g g c g g t g t t g a c g c a t g t g a t t t c t g c c c a g t g c t c t g a a t g t c a a a g t a a g a a a t t c a a t g a a g c g c g g g t a a a c g g c g g g a t a a c t a t g 11689  
 11,720 11,740 11,760 11,780 11,800 11,820  
 KY962518\_1 human\_rDNA a c t c t c t a a g g t a g c c a a a t g c c t c g t c a t c t a a t t a g t g a c g c g a t g a a t g g a t g a a c a g a g a t t c c a c t g t c c c t a c c t a c t a t c c a g c g a a a c c a c a g c c a a g g g a a c g g g c t g g c g g a a t c a g 11797  
 a c t c t c t a a g g t a g c c a a a t g c c t c g t c a t c t a a t t a g t g a c g c g a t g a a t g g a t g a a c a g a g a t t c c a c t g t c c c t a c c t a c t a t c c a g c g a a a c c a c a g c c a a g g g a a c g g g c t g g c g g a a t c a g 11819  
 11,840 11,860 11,880 11,900 11,920 11,940 11,960  
 KY962518\_1 human\_rDNA c g g g a a a g a a g a c c c t g t t g a g c t t g a c t c t a g t c t g g c a c g g t a a g a g a c a t g a g a g g t g a g a a a a g t g g g a g g c c c c c g g c g c c c c c c g g t t c c c c g c a g a g g g c c c g g g c g g g t c c g c c 11927  
 c g g g a a a g a a g a c c c t g t t g a g c t t g a c t c t a g t c t g g c a c g g t a a g a g a c a t g a g a g g t g a g a a a a g t g g g a g g c c c c c g g c g c c c c c c g g t t c c c c g c a g a g g g c c c g g g c g g g t c c g c c 11949  
 11,980 12,000 12,020 12,040 12,060 12,080  
 KY962518\_1 human\_rDNA g g c c c t g c g g g c c g c c g g t g a a a t a c c a c t a c t c t g a t c g t t t t t t a c t g a c c c g g t g a g g c g g g g g c g a g c c c c g a g g g g c t c t c g c t t c t g g c c a a g c c c c g g c c g c g c c g g c c g g g c g 12057  
 g g c c c t g c g g g c c g c c g g t g a a a t a c c a c t a c t c t g a t c g t t t t t t a c t g a c c c g g t g a g g c g g g g g c g a g c c c c g a g g g g c t c t c g c t t c t g g c c a a g c c c c g g c c g c g c c g g c c g g g c g 12079  
 12,100 12,120 12,140 12,160 12,180 12,200 12,220  
 KY962518\_1 human\_rDNA g a c c c g c t c c g g g a c a g t g c c a g g t g g g a g t t t g a c t g g g g c g g t a c a c c t g t c a a a c g g t a a c g a g g t g t c c t a a g g c g a g t c a g g g a g g a c a g a a a c c t c c c g t g g a g c a g a a g g g c a a a a g c t 12187  
 g a c c c g c t c c g g g a c a g t g c c a g g t g g g a g t t g a c t g g g g c g g t a c a c c t g t c a a a c g g t a a c g a g g t g t c c t a a g g c g a g t c a g g g a g g a c a g a a a c c t c c c g t g g a g c a g a a g g g c a a a a g c t 12209  
 12,240 12,260 12,280 12,300 12,320 12,340  
 KY962518\_1 human\_rDNA c g c t t g a t c t t g a t t t t c a g t a c g a a t a c a g a c c g t g a a a g c g g g g c t c a c g a t c c t t c t g a c c t t t t g g g t t t a a g c a g g a g g t g t c a g a a a g t t a c c a c a g g g a t a a c t g g c t t g t g c g g c c a a 12317  
 c g c t t g a t c t t g a t t t t c a g t a c g a a t a c a g a c c g t g a a a g c g g g g c t c a c g a t c c t t c t g a c c t t t t g g g t t t a a g c a g g a g g t g t c a g a a a g t t a c c a c a g g g a t a a c t g g c t t g t g c g g c c a a 12339  
 12,360 12,380 12,400 12,420 12,440 12,460 12,480  
 KY962518\_1 human\_rDNA g c g t t c a t a g c g a c t c g c t t t t g a t c c t c g a t g t c g g c t c t c c t a t c a t t g t g a a g c a g a a t t c a c c a a g c g t t g g a t t g t t c a c c c a c t a a t a g g g a a c g t g a g c t g g g t t t a g a c c g t c g t g a g 12447  
 g c g t t c a t a g c g a c t c g c t t t t g a t c c t c g a t g t c g g c t c t c c t a t c a t t g t g a a g c a g a a t t c a c c a a g c g t t g g a t t g t t c a c c c a c t a a t a g g g a a c g t g a g c t g g g t t t a g a c c g t c g t g a g 12469

KY962518_1	acagg	12,500	acagg	12,520	acagg	12,540	acagg	12,560	acagg	12,580	acagg	12,600	12577
human_rDNA	acagg	12,620	acagg	12,640	acagg	12,660	acagg	12,680	acagg	12,700	acagg	12,720	12599
KY962518_1	gtggg	12,760	gtggg	12,780	gtggg	12,800	gtggg	12,820	gtggg	12,840	gtggg	12,860	12706
human_rDNA	gtggg	12,760	gtggg	12,780	gtggg	12,800	gtggg	12,820	gtggg	12,840	gtggg	12,860	12729
KY962518_1	ctcca	12,880	ctcca	12,900	ctcca	12,920	ctcca	12,940	ctcca	12,960	ctcca	12,980	12836
human_rDNA	ctcca	12,880	ctcca	12,900	ctcca	12,920	ctcca	12,940	ctcca	12,960	ctcca	12,980	12859
KY962518_1	gca	13,020	gca	13,040	gca	13,060	gca	13,080	gca	13,100	gca	13,120	12966
human_rDNA	gca	13,020	gca	13,040	gca	13,060	gca	13,080	gca	13,100	gca	13,120	12989
KY962518_1	tgt	13,140	tgt	13,160	tgt	13,180	tgt	13,200	tgt	13,220	tgt	13,240	13095
human_rDNA	tgt	13,140	tgt	13,160	tgt	13,180	tgt	13,200	tgt	13,220	tgt	13,240	13119
KY962518_1	-gtgg	13,280	-gtgg	13,300	-gtgg	13,320	-gtgg	13,340	-gtgg	13,360	-gtgg	13,380	13224
human_rDNA	-gtgg	13,280	-gtgg	13,300	-gtgg	13,320	-gtgg	13,340	-gtgg	13,360	-gtgg	13,380	13249
KY962518_1	ccg	13,400	ccg	13,420	ccg	13,440	ccg	13,460	ccg	13,480	ccg	13,500	13354
human_rDNA	ccg	13,400	ccg	13,420	ccg	13,440	ccg	13,460	ccg	13,480	ccg	13,500	13379
KY962518_1	gca	13,540	gca	13,560	gca	13,580	gca	13,600	gca	13,620	gca	13,640	13484
human_rDNA	gca	13,540	gca	13,560	gca	13,580	gca	13,600	gca	13,620	gca	13,640	13509
KY962518_1	ccg	13,660	ccg	13,680	ccg	13,700	ccg	13,720	ccg	13,740	ccg	13,760	13614
human_rDNA	ccg	13,660	ccg	13,680	ccg	13,700	ccg	13,720	ccg	13,740	ccg	13,760	13639
KY962518_1	ctc	13,800	ctc	13,820	ctc	13,840	ctc	13,860	ctc	13,880	ctc	13,900	13744
human_rDNA	ctc	13,800	ctc	13,820	ctc	13,840	ctc	13,860	ctc	13,880	ctc	13,900	13769
KY962518_1	cgcc	13,920	cgcc	13,940	cgcc	13,960	cgcc	13,980	cgcc	14,000	cgcc	14,020	13874
human_rDNA	cgcc	13,920	cgcc	13,940	cgcc	13,960	cgcc	13,980	cgcc	14,000	cgcc	14,020	13899
KY962518_1	tcag	14,060	tcag	14,080	tcag	14,100	tcag	14,120	tcag	14,140	tcag	14,160	14004
human_rDNA	tcag	14,060	tcag	14,080	tcag	14,100	tcag	14,120	tcag	14,140	tcag	14,160	13947
KY962518_1	ctcg	14,180	ctcg	14,200	ctcg	14,220	ctcg	14,240	ctcg	14,260	ctcg	14,280	14134
human_rDNA	ctcg	14,180	ctcg	14,200	ctcg	14,220	ctcg	14,240	ctcg	14,260	ctcg	14,280	13947
KY962518_1	ctct	14,320	ctct	14,340	ctct	14,360	ctct	14,380	ctct	14,400	ctct	14,420	14264
human_rDNA	ctct	14,320	ctct	14,340	ctct	14,360	ctct	14,380	ctct	14,400	ctct	14,420	13947
KY962518_1	cctt	14,440	cctt	14,460	cctt	14,480	cctt	14,500	cctt	14,520	cctt	14,540	14394
human_rDNA	cctt	14,440	cctt	14,460	cctt	14,480	cctt	14,500	cctt	14,520	cctt	14,540	13947
KY962518_1	ccg	14,560	ccg	14,580	ccg	14,600	ccg	14,620	ccg	14,640	ccg	14,660	14524
human_rDNA	ccg	14,560	ccg	14,580	ccg	14,600	ccg	14,620	ccg	14,640	ccg	14,660	13947

















KY962518\_1 c t c t c t c t c t c a c t c a c t c t c t c t c c g t c t c t c t c t c t t t c t g t c t g t t t c t c t c t c t g t c t g t c t c t c t c c c c c a t g t c t c t c t c t c c c t c t c a c t c a c t c t c t c c g t c t c t c t c t c t t t 29151  
 human\_rDNA c t c t c t c t c t c a c t c a c t c t c t c t c c g t c t c t c t c t c t t t c t g t c t g t t t c t c t c t c t g t c t g t c t c t c t c c c c c a t g t c t c t c t c t c c c t c a t g t c t c t c t c t c t c t c t c t t t 28111

KY962518\_1 c t g t c t g t t t c t c t g t c t g t c t g t c t g t c t g t c t g t c t c t c t c t c t c t g t t t g t c t t t c t c c c t c c c t g t c t g t c t g t c t g t c t c t c t c t c t g t c t g t c t g t 29273  
 human\_rDNA c t g t c t g t t t c t c t g t c t g t c t g t c t g t c t g t c t g t c t c t c t c t c t c t c t c t c t c t g t t t g t c t t t c t c c c t c c c t g t c t g t c t g t c t g t c t c t c t c t c t g t c t g t c t g t 28241

KY962518\_1 c t c t c t c t t t t c t c t t t c t g t c t g t t t c t c t a t c t c t c g c t g t c c a t c t c t g t c t t t c t a t g t c t g t c t c t t t c t c t g t c a g t c t g t c a g a c a c c c c g t g c c g g t a g g g c c t g c c c t t c c a c g 29403  
 human\_rDNA c t c t c t c t t t t c t c t t t c t g t c t g t t t c t c t a t c t c t c g c t g t c c a t c t c t g t c t t t c t a t g t c t g t c t c t t t c t c t g t c a g t c t g t c a g a c a c c c c g t g c c g g t a g g g c c t g c c c t t c c a c g 28371

KY962518\_1 a g a g t g a g a a g c g c g t g c t t c g g t g c t t a g a g a g g c c g a g a g g a a t c t a g a c a g g c g g c c t t g c t g g g c t t c c c c a c t c g g t g t a c g a t t t c g g g a g g t c g a g g c c g g t c c c c g c t g g a t g c g a g g g 29533  
 human\_rDNA a g a g t g a g a a g c g c g t g c t t c g g t g c t t a g a g a g g c c g a g a g g a a t c t a g a c a g g c g g c c t t g c t g g g c t t c c c c a c t c g g t g t a c g a t t t c g g g a g g t c g a g g c c g g t c c c c g c t g g a t g c g a g g g 28501

KY962518\_1 g c a t t t t c a g a c t t t t c t c t c g g t c a c g t g t g g c g t c c g t a c t t c t c t a t t t c c c c g a t a a g c t c c t c g a c t t c a a c a t a a a c t g t t a a g g c c g g a c g c a a c a c g g c g a a a c c c c g t c t c t a c t a a a a a 29663  
 human\_rDNA g c a t t t t c a g a c t t t t c t c t c g g t c a c g t g t g g c g t c c g t a c t t c t c t a t t t c c c c g a t a a g c t c c t c g a c t t c a a c a t a a a c t g t t a a g g c c g g a c g c a a c a c g g c g a a a c c c c g t c t c t a c t a a a a a 28631

KY962518\_1 t a c a a a g c t g a g t c g g g a g c g g t g g g g c a g g c c c t g t a a t g c c a g c t c c t c g g g a g g c t g a g g c g g g a g a a t c g c t g a a c c a g g g a a g c g g a g g c t g c a g g g a g c c g a g a t c g c g c c a c t g c a c t a c g 29793  
 human\_rDNA t a c a a a g c t g a g t c g g g a g c g g t g g g g c a g g c c c t g t a a t g c c a g c t c c t c g g g a g g c t g a g g c g g g a g a a t c g c t g a a c c a g g g a a g c g g a g g c t g c a g g g a g c c g a g a t c g c g c c a c t g c a c t a c g 28761

KY962518\_1 g c c c a g g c t g t a g a g t g a g t g a g a c t c g g t c t c t a a a t a a a t a c g g a a t t a a t t a a t t c a t t a a t t c t t t c c c t g c t g a c g g a c a t t t g c a g g c a g g c a t c g g t t g t c t t c g g g c a t c a c c t a g c g g c 29923  
 human\_rDNA g c c c a g g c t g t a g a g t g a g t g a g a c t c g g t c t c t a a a t a a a t a c g g a a t t a a t t a a t t c a t t a a t t c t t t c c c t g c t g a c g g a c a t t t g c a g g c a g g c a t c g g t t g t c t t c g g g c a t c a c c t a g c g g c 28891

KY962518\_1 c a c t g t t a t t g a a a g t c g a c t g a c a c g g a g g g a g g t c t c g c c g a c t t c a c c g a g c c t g g g g c a a c g g g t t c t c t c t c c c t t c g g a g g c c c t c c t c t c c c t c g t t g c c t a g g g a a c c t c g c c 30053  
 human\_rDNA c a c t g t t a t t g a a a g t c g a c t g a c a c g g a g g g a g g t c t c g c c g a c t t c a c c g a g c c t g g g g c a a c g g g t t c t c t c t c c c t t c g g a g g c c c t c c t c t c c c t c g t t g c c t a g g g a a c c t c g c c 29021

KY962518\_1 t a g g g a a c c t c c g c c c t g g c g g g g c c c t a t t g t t c t t t g a t c g g c g c t t t a c t t t t c t t t g t g t t t t g g c g c c t a g a c t c t t c t a c t t g g g c t t g g g a a g g g t c a g t t t a a t t t t c a a g t t g c c c c c c 30183  
 human\_rDNA t a g g g a a c c t c c g c c c t g g c g g g g c c c t a t t g t t c t t t g a t c g g c g c t t t a c t t t t c t t t g t g t t t t g g c g c c t a g a c t c t t c t a c t t g g g c t t g g g a a g g g t c a g t t t a a t t t t c a a g t t g c c c c c c 29151

KY962518\_1 g g c t c c c c c a c t a c c c a c g t c c c t t c a c c t t a a t t t a g t g a g t c g g t t a g g t g g g t t t c c c c a a a c c g c a a c a c c c t g c t t g g a a a c c t t c c a g a g c c a c c c c g g t g t 30313  
 human\_rDNA g g c t c c c c c a c t a c c c a c g t c c c t t c a c c t t a a t t t a g t g a g t c g g t t a g g t g g g t t t c c c c a a a c c g - c a a c a c c c t g c t t g g a a a c c t t c c a g a g c c a c c c c g g t g t 29280

KY962518\_1 g c c t c c g t c t t c t c t c c c t t c c c c a c c c c t t g c g g g c g a t c t c a t t c t t g c a g g c t g a c a t t t g c a t c g g t g g g c t a g g c c t c a c t c g g g g c c a c c g t t t t g a a g a t g g g g c g g c a c g g t c c 30443  
 human\_rDNA g c c t c c g t c t t c t c t c c c t t c c c c a c c c c t t g c g g g c g a t c t c a t t c t t g c a g g c t g a c a t t t g c a t c g g t g g g c t a g g c c t c a c t c g g g g c c a c c g t t t t g a a g a t g g g g c g g c a c g g t c c 29410

KY962518\_1 c a c t t c c c c g a g g c a g c t t g g g c g a t g g c a t a g c c c c t t g a c c c g c g t g g g c a a g c g g g c g g t c t g c a g t t g t a g g c t t t t c c c c c g c t g c t t c c c g c c t a g g c c t c c c t c c t a g g a a a g c t t 30573  
 human\_rDNA c a c t t c c c c g a g g c a g c t t g g g c g a t g g c a t a g c c c c t t g a c c c g c g t g g g c a a g c g g g c g g t c t g c a g t t g t a g g c t t t t c c c c c g c t g c t t c c g c c t a g g c c t c c c t c c t a g g a a a g c t t 29540

KY962518\_1 c a c c c t g g c t g g g t c t c g g t c a c c t t t a t c a c g a t g t t t a g t t t c c g c c c t c c g g c c a g a g a g t t c a c a a t g c g a a g g g c c a c g g c t c t a g t c t g g g c c t t c t a g t a c t t g c c c a a a a t a g 30703  
 human\_rDNA c a c c c t g g c t g g g t c t c g g t c a c c t t t t a t c a c g a t g t t t a g t t t c c g c c c t c c g g c c a g a g a g t t c a c a a t g c g a a g g g c c a c g g c t c t a g t c t g g g c c t t c t a g t a c t t g c c c a a a a t a g 29670

KY962518\_1 a a a c g c t t t c t g a a a c t a a t a a c t t t g c t c a c t t a a g a t t t c c a g g g a c g g c g c c t t g g c c c g t g t t t g t g g c t g t t t t g t t c g t t c t g t t t t g t t t g t t c g t g t t t t c c t t t c t c g t a t g t c t 30833  
 human\_rDNA a a a c g c t t t c t g a a a c t a a t a a c t t t g c t c a c t t a a g a t t t c c a g g g a c g g c g c c t t g g c c c g t g t t t g t g g c t g t t t t g t t t c g t t c t g t t t t g t t t g t t c g t g t t t t c c t t t c t c g t a t g t c t 29800

KY962518\_1 t t c t t t t c a g g t g a a g t a g a a t c c c c a g t t t t c a g g a a g a c g t c t a t t t t c c c a a g a c a c g t t a g c t g c c g t t t t t c c t g t t g t g a a c t a g c g c t t t t g t a c t c t c t c a a c g t g c a g t g a g a g c g g 30963  
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 | 39,280 | 39,300 | 39,320 | 39,340 | 39,360 | 39,380 |  
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 human\_rDNA | ctacgctcccaagtagctgggactacagggcggccggccaccgtgcccggctaaactttttgtattttgagtagagatgggtttcactgtggttagccaggatggctcgaatcctgacccccgtgacccgt | 38221  
 | 39,400 | 39,420 | 39,440 | 39,460 | 39,480 | 39,500 | 39,520 |  
 KY962518\_1 | ccacctcggccctcccaaagtgctgggtagacagggcgtgagccaccgccccggcctattatctattttaaactttgagtcagggttagaaaccagttagttttttaa - TTTTTTTTTTTTTTTT | 39386  
 human\_rDNA | ccacctcggccctcccaaagtgctgggtagacagggcgtgagccaccgccccggcctattatctattttaaactttgagtcagggttagaaaccagttagttttttaa - TTTTTTTTTTTTTTTT | 38350

KY962518\_1 t t t t t g a g a c g a g g t t t c a c c g t g t t g c c a a g g c t t g g a c c g a g g g a t c c a c c g g c c t c g g c t c c c a a a a g t g c g g g a t g a c a g g c g c g a g c t a c c g c g c c c g g a c c c c c c t t t c c c t t c c c c 39516  
 human\_rDNA t t t t t g a g a c g a g g t t t c a c c g t g t t g c c a a g g c t t g g a c c g a g g g a t c c a c c g g c c t c g g c t c c c a a a a g t g c g g g a t g a c a g g c g c g a g c t a c c g c g c c c g g a c c c c c c t t t c c c t t c c c c 38480

KY962518\_1 c g c t g t c t t c c c g a c a g a c a g t t t c a c g g c a g a g c g t t t g g c t g g c g t g c t t a a a c t c a t t c t a a a t a g a a a t t g g g a c g t c a g c t t c t g g c c t a c a g g a c t c t g a g c c g a g g a g t c c c c t g g t c t g t 39646  
 human\_rDNA c g c t g t c t t c c c g a c a g a c a g t t t c a c g g c a g a g c g t t t g g c t g g c g t g c t t a a a c t c a t t c t a a a t a g a a a t t g g g a c g t c a g c t t c t g g c c t a c a g g a c t c t g a g c c g a g g a g t c c c c t g g t c t g t 38610

KY962518\_1 c t a t c a c a g g a c c g t a c a c g t a a g g a g a g a a a a t c g t a a c g t t c a a a g t c a g t c a t t t t g t a t a c a g a a a t a c a c g g a t t c a c c c a a a a c a c a g a a a g c a g t c t t t a g a a a t g g c c t t a g c c c t g g 39776  
 human\_rDNA c t a t c a c a g g a c c g t a c a c g t a a g g a g a g a a a a t c g t a a c g t t c a a a g t c a g t c a t t t t g t a t a c a g a a a t a c a c g g a t t c a c c c a a a a c a c a g a a a g c a g t c t t t a g a a a t g g c c t t a g c c c t g g 38740

KY962518\_1 t g t c c g t g c c a g t g a t t c t t t t c g g t t t g g a c c t g a c t g a g a g g a t t c c c a g t c g g t c t c t c g t c t c t g g a c g g a a g t t c c a g a t g a t c c g a t g g g t g g g g a c t t a g g c t g c g t c c c c c a g g a g c c c 39906  
 human\_rDNA t g t c c g t g c c a g t g a t t c t t t t c g g t t t g g a c c t g a c t g a g a g g a t t c c c a g t c g g t c t c t c g t c t c t g g a c g g a a g t t c c a g a t g a t c c g a t g g g t g g g g a c t t a g g c t g c g t c c c c c a g g a g c c c 38870

KY962518\_1 t g g t c g a t t a g t t g t g g g a t c g c c t t g g a g g g c g g g t g a c c c a c t g t g c t g t g g g a g c c t c c a t c c t t c c c c c a c c c c t c c c c a g g g a t c c c a a t t c a t t c c g g g c t g a c a c g t c a c t g g c a g g 40036  
 human\_rDNA t g g t c g a t t a g t t g t g g g a t c g c c t t g g a g g g c g g g t g a c c c a c t g t g c t g t g g g a g c c t c c a t c c t t c c c c c a c c c c t c c c c a g g g a t c c c a a t t c a t t c c g g g c t g a c a c g t c a c t g g c a g g 39000

KY962518\_1 c g t c g g g c a t c a c c t a g c g g t c a c t g t t a c t c t g a a a a c g g a g g c t c a c a g a g g a a g g g a g c a c c a g g c c g c t g c g c a c a g c c t g g g g c a a c t g t g t c t t c t c a c c g c c c c g c c c c a c c t c c a a g 40166  
 human\_rDNA c g t c g g g c a t c a c c t a g c g g t c a c t g t t a c t c t g a a a a c g g a g g c t c a c a g a g g a a g g g a g c a c c a g g c c g c t g c g c a c a g c c t g g g g c a a c t g t g t c t t c c a c c g c c c c g c c c c a c c t c c a a g 39130

KY962518\_1 t t c t c c c t c c c t t g t t g c c t a g g a a a t c g c c a c t t t g a c g a c c g g g t c t g a t g a c c t t t g a t c a g g c a a a a a c g a a a a c a g a t a a a t a a a t a a a t a a c a c a a a a g t a a c t a a c t a a a t a a a t a a 40296  
 human\_rDNA t t c t c c c t c c c t t g t t g c c t a g g a a a t c g c c a c t t t g a c g a c t g g g t c t g a t t g a c c t t t g a t c a g g c a a a a a c g a a a a c a g a t a a a t a a a a t a a c a c a a a a g t a a c t a a c t a a a t a a a t a a 39260

KY962518\_1 g t c a a t a c a a c c c a t t a c a a t a c a a t a a g a t a c g a t a c g a t a g g a t g c g a t a g g a t a c g a t a g g a t a c a a t a c a a t a c g a t a c g ----- a t a c a a 40386  
 human\_rDNA g t c a a t a c a a c c c a t t a c a a t a c a a t a a g a t a c g a t a c g a t a g g a t g c g a t a g g a t a c g a t a g g a t a c a a t a c a a t a c g a t a c g a t a c a a t a c a a t a c g a t a c a a t a c a a t a c a a t a c a a t a c a a t a c a a 39390

KY962518\_1 t a c a a t a c a a t a c a a t a c a a t a c a a t a c a a t a c a a t a c a a t a c a a t a c g c c g g g c g c g g t g g c t c a t g c c t g t c a t c c c g t c a c t t t g g g a t g c c g a g g t g g a c g c a t c a c c t g a a g t c g g g a g t t g g a g 40516  
 human\_rDNA t a c a a t a c a a t a c a a t a c a a t a c a a t a c a a t a c a a t a c a a t a c a a t a c a a t a c g c c g g g c g c g g t g g c t c a t g c c t g t c a t c c c g t c a c t t t g g g a t g c c g a g g t g g a c g c a t c a c c t g a a g t c g g g a g t t g g a g 39520

KY962518\_1 a c a a g c c c g a c c a a c a t g g a g a a a t c c c g t c t c a a t t g a a a a t a c a a a a c t a g c c g g g c g c g g t g g c a c a t g c c t a t a a t c c c a g c t g c t a g g a a g g c t g a g g c a g g a a a t c g c t t g a a c c t g g g a a g c 40646  
 human\_rDNA a c a a g c c c g a c c a a c a t g g a g a a a t c c c g t c t c a a t t g a a a a t a c a a a a c t a g c c g g g c g c g g t g g c a c a t g c c t a t a a t c c c a g c t g c t a g g a a g g c t g a g g c a g g a a a t c g c t t g a a c c t g g g a a g c 39650

KY962518\_1 g g a g g t t g c a g t g a g c c g a g a t t g c g c c a t c g c a c t c c a g t c t g a g c a a c a a g a g c g a a a c t c c g t c t c a a a a a t a a a t a c a t a a a t a a a t a c a t a c a t a c a t a c a t a c a t a c a t a a a t t a a 40776  
 human\_rDNA g g a g g t t g c a g t g a g c c g a g a t t g c g c c a t c g c a c t c c a g t c t g a g c a a c a a g a g c g a a a c t c c g t c t c a a a a a t a a a t a c a t a a a t a a ----- a t a c a t a c a t a c a t a c a t a c a t a c a t a c a t a a a t t a a 39776

KY962518\_1 a a t a a a t a a a t a a a a t a a a a t a a a t a a a t g g g c c t g c g c g g t g g c t c a a g c c t g t c a t c c c c t c a c t t t g g g a g c c a a g g c c g g t g g a t c a a g a g c g g t c a g a c c a a c a g g g c c a g t a t g g t g a a a c 40906  
 human\_rDNA a a t a a a t a a a t a a a a t a a a a t a a a t a a a t g g g c c t g c g c g g t g g c t c a a g c c t g t c a t c c c c t c a c t t t g g g a g c c a a g g c c g g t g g a t c a a g a g c g g t c a g a c c a a c a g g g c c a g t a t g g t g a a a c 39906

KY962518\_1 c c c g t c t c t a c t c a c a a t a c a c a a c a t t a g c c g g g c g c t g t g c t g t a c t g t c t g t a a t c c c a g c t a c t c g g g a g g c c g a g c t g a g g c a g g a a t c g c t t g a a c c t g g g a g c g g a g g t g c a g t 41036  
 human\_rDNA c c c g t c t c t a c t c a c a a t a c a c a a c a t t a g c c g g g c g c t g t g c t g t a c t g t c t g t a a t c c c a g c t a c t c g g g a g g c c g a g c t g a g g c a g g a a t c g c t t g a a c c t g g g a g c g g a g g t t g c a g t 40036

KY962518\_1 g a g c c g a g a t c g c g c c a c t g c a a c c c a g c c t g g g c g a c a g a g c g a g a c t c c g t c t c c a a a a a a t g a a a t g a a a a t g a a a c g c a a c a a a a t a a t t a a a a a g t g a g t t t c t g g g g a a a a g a g a a a a g a a 41166  
 human\_rDNA g a g c c g a g a t c g c g c c a c t g c a a c c c a g c c t g g g c g a c a g a g c g a g a c t c c g t c t c c a a a a a a t g a a a t g a a a a t g a a a c g c a a c a a a a t a a t t a a a a a g t g a g t t t c t g g g g a a a a g a g a a a a g a a 40166

KY962518\_1 a a a a g a a a a a a a c a a c a a a c a g a a a c c c c a c c g t g a c a t a c a c g t a c g c c t c t c g c c t t t c g a g g c c t c a a a c a c g t t a g g a a t t a t g c g t g a t t c t t t t t t a a c t t c a t t t t a t g t t a t t a t c a 41296  
 human\_rDNA a a a a g a a a a a a a c a a c a a a c a g a a a c c c c a c c g t g a c a t a c a c g t a c g c c t c t c g c c t t t c g a g g c c t c a a a c a c g t t a g g a a t t a t g c g t g a t t c t t t t t t a a c t t c a t t t t a t g t t a t t a t c g 40296

KY962518\_1 t g a t t g a t g t t t c g a g a c g g a g t c t c g g a g g c c c g c c t c c c t g g t t g c c c a g a c a a c c c c g g g a g a c a g a c c c t g g c t g g g c c c g a t g t t t c t c t c c t t g g t a g g g g t t t c c t t g t c t t t c t t c g t g 41426  
 human\_rDNA t g a t t g a t g t t t c g a g a c g g a g t c t c g g a g g c c c g c c t c c c t g g t t g c c c a g a c a a c c c c g g g a g a c a g a c c c t g g c t g g g c c c g a t g t t t c t c t c c t t g g t a g g g g t t t c c t t g t c t t t c t t c g t g 40426



KY962518\_1 t c t t t c c t c a t t c t t t c t c t t t t t c g t g t t t c t t t c c c t t c c c g t c t g t c t t t t a a a a a t g g a g t g t t c a g a a g t t t a c t t t g t g t a t c t a c g t t t t c t a a a t g t c t c t t t t c t c c a t t g t c t t 43517  
 human\_rDNA t c t t t c c t c a t t c t t t c t c t t t t t c g t g t t t c t t t c c c g t c t g t c t t t t a a a a a t g g a g t g t t c a g a a g t t t a c t t t g t g t a t c t a c g t t t t c t a a a t g t c t c t t t t c t c c a t t t t c t t 42632

KY962518\_1 c c t c c c t c c c t c c c t c c c t c c c t c c c t g c t c c c t c c c t c c c t t t c g c c a t c t g t c t c t t t c c c c a c t c c c c t c c c c c c g t c t g t c t c t g c g t g g a t t c c g g a a g a g c c t a c g c a t t c t g c 43647  
 human\_rDNA c c t c c c t c c c t c c c t c c c t c c c t c c c t g c t c c c t c c c t c c c t t t c g c c a t c t g t c t c t t t c c c c a c t c c c c t c c c c c c g t c t g t c t c t g c g t g g a t t c c g g a a g a g c c t a c g c a t t c t g c 42762

KY962518\_1 c t c t c c g t g t g t c t g c a g c g a c c c g c g a c c g a g t c c t t g t g t g t t t t c t c c c t c c c t c c c t c c c t c c c t c c c t c c c t g c t c c g a g a g g c a t c t c c a a a c a c c c a c g c g c c g t g g g t t g t c t t c 43777  
 human\_rDNA c t c t c c g t g t g t c t g c a g c g a c c c g c g a c c g a g t c c t t g t g t g t t t t c t c c c t c c c t c a c t c c c t c c c t c c c t c c c t c c c t g c t c c g a g a g g c a t c t c c a a a c a c c c a c g c g c c g t g g g t t g t c t t c 42892

KY962518\_1 t g a c t c t g t c g c g g t c g a g g c a g a g a c g c g t t t t g g g c a c c g t t t g t g t g g g g t g g g g c a g a g g g c t g c g t t t c g g c c t c g g g a a g a g c t t c t c g a c t c a c g g t t t c g c t t t c g c g g t c c a c g g g c c 43907  
 human\_rDNA t g a c t c t g t c g c g g t c g a g g c a g a g a c g c g t t t t g g g c a c c g t t t g t g t g g g g t g g g g c a g a g g g c t g c g t t t c g g c c t c g g g a a g a g c t t c t c g a c t c a c g g t t t c g c t t t c g c g g t c c a c g g g c c 43022

KY962518\_1 g c c c t g c c a g c c g g a t c t g t c t c g c t g a c g t c c c g c g g g t g t c g g g c t c c a t c t g g c g g c c g t t t g a g a t c g t g c t c t c g g c t c c g g a g c t g c g g t g g c a g c t g c c g a g g g a g g g a c c g t c c c c g 44037  
 human\_rDNA g c c c t g c c a g c c g g a t c t g t c t c g c t g a c g t c c c g c g g g t g t c g g g c t c c a t c t g g c g g c c g t t t g a g a t c g t g c t c t c g g c t c c g g a g c t g c g g t g g c a g c t g c c g a g g g a g g g a c c g t c c c c g 43152

KY962518\_1 c t g t g a g c t a g g c a g a g c t c c g g a a a g c c c g c g g t c g t c a g c c c c g g c t g g c c c g g t g g c g c c a g a g c t g t g g c g c t c g c t t g t g a g t c a c a g c t c t g g c g t g c a g g t t t a t g t g g g g a g a g g c t g t c g 44167  
 human\_rDNA c t g t g a g c t a g g c a g a g c t c c g g a a a g c c c g c g g t c g t c a g c c c c g g c t g g c c c g g t g g c g c c a g a g c t g t g g c g c t c g c t t g t g a g t c a c a g c t c t g g c g t g c a g g t t a t g t g g g g a g a g g c t g t c g 43282

KY962518\_1 c t g c g c t t c t g g g c c c g c g g c g g g c g t g g g g c t g c c c g g g c c g g t c g a c c a g c g c g c c g t a g c t c c c g a g g c c c g a g c c g c g a c c c g c g g g a c c c g c c g c g c g t g g c g c g g g a g g c t g g g g a c g c c c t t 44297  
 human\_rDNA c t g c g c t t c t g g g c c c g c g g c g g g c g t g g g g c t g c c c g g g c c g g t c g a c c a g c g c g c c g t a g c t c c c g a g g c c c g a g c c c g c g g g a c c c g c c c g c g c g t g g c g c g g g a g g c t g g g g a c g c c c t t 43412

KY962518\_1 c c c g g c c c g g t c g c g g g t c c g c g c t c a t c c t g g c c g t c t g a g g c g g c g g c c g a a t t c g t t t c c g a g t t c c c g t g g g g a g c c g g g a c c g t c c c g c c c c g t c c c c g g g t g c c g g g a - - - - - 44415  
 human\_rDNA c c c g g c c c g g t c g c g g g t c c g c g c t c a t c c t g g c c g t c t g a g g c g g c g g c c g a a t t c g t t t c c g a g t t c c c g t g g g g a g c c g g g a c c g t c c c g c c c c g t c c c c g g g t g c c g g g a - - - - - 43542

KY962518\_1 - - - - - g c g g t c c c t c t g c c g c g a t c c t t t c t g g c g a g t c c c c g t g c g g a g t c g g a g a g c g c t c c c t g a g c g c g c t g c g g c c c g a g a g g t c g c g c c t g g c c g c c t t c g g t c c c t c g t g t t c c c g t 44538  
 human\_rDNA c c g g c c c g c g g t c c c t c t g c c g c g a t c c t t t c t g g c g a g t c c c c g t g c g g a g t c g g a g a g c g c t c c c t g a g c g c g c t g c g g c c c g a g a g g t c g c g c t g g c c g c c t t c g g t c c c t c g t g t t c c c g t 43672

KY962518\_1 c g t a g g a g g g c c g g c c g a a a a t g c t t c c g g c t c c c g c t c t g g a g a c a c g g c c g g c c c c t g c g t g g c a c g g c g g c c g g g a g g g c t c c c c g g c c g g c g t g c t c c c g c g t g t g t c c t g g g g t t g 44668  
 human\_rDNA c g t a g g a g g g c c g g c c g a a a a t g c t t c c g g c t c c c g c t c t g g a g a c a c g g c c g g c c c c t g c g t g g c a c g g c g g c c g g g a g g g c t c c c c g g c c c g g c g t g c t c c c g c g t g t g t c c t g g g g t t g 43802

KY962518\_1 a c c a g a g g g c c c c g g c g c t c c g t g t g t g g c t g c a t g g t g g c g t t t t g g g g a c a g g t g t c c g t g t c g c g c t g c c t g g g c g g c g g c g t g g t c g g t g a c g c g a c c t c c c g g c c c c g g g g a g g t a t a 44798  
 human\_rDNA a c c a g a g g g c c c c g g c g c t c c g t g t g t g g c t g c a t g g t g g c g t t t t g g g g a c a g g t g t c c g t g t c g c g c t g c c t g g g c g g c g g c g t g g t c g g t g a c g c g a c c t c c c g g c c c c g g g g a g g t a t a 43932

KY962518\_1 t c t t t c g c t c c g a g t c g g c a t t t t g g g c c g c g g g t t a t t 44838  
 human\_rDNA t c t t t c g c t c c g a g t c g g c a t t t t g g g c c g c g g g t t a t t 43972