

NODE_272_1to77
 pCT74_RC GGG GGG GCC CGG TAC CAG CTT TTG TTC CCT TTA GTG AGG GTT AAT TTC GAG CTT GGC GTA ATC ATG GTC ATA 72

NODE_272_1to77
 pCT74_RC GCT GTT TCC TGT GTG AAA TTG TTA TCC GCT CAC AAT TCC ACA CAA CAT ACG AGC CGG AAG CAT AAA GTG TAA 144

NODE_272_1to77
 pCT74_RC AGC CTG GGG TGC CTA ATG AGT GAG CTA ACT CAC ATT AAT TGC GTT GCG CTC ACT GCC CGC TTT CCA GTC GGG 216

NODE_272_1to77
 pCT74_RC AAA CCT GTC GTG CCA GCT GCA TTA ATG AAT CGG CCA ACG CGC GGG GAG AGG CGG TTT GCG TAT TGG GCG CTC 288

NODE_272_1to77
 pCT74_RC TTC CGC TTC CTC GCT CAC TGA CTC GCT GCG CTC GGT CGT TCG GCT GCG GCG AGC GGT ATC AGC TCA CTC AAA 360

NODE_272_1to77
 pCT74_RC GGC GGT AAT ACG GTT ATC CAC AGA ATC AGG GGA TAA CGC AGG AAA GAA CAT GTG AGC AAA AGG CCA GCA AAA 432

NODE_272_1to77
 pCT74_RC GGC CAG GAA CCG TAA AAA GGC CGC GTT GCT GGC GTT TTT CCA TAG GCT CCG CCC CCC TGA CGA GCA TCA CAA 504

NODE_272_1to77
 pCT74_RC AAA TCG ACG CTC AAG TCA GAG GTG GCG AAA CCC GAC AGG ACT ATA AAG ATA CCA GGC GTT TCC CCC TGG AAG 576

NODE_272_1to77
 pCT74_RC CTC CCT CGT GCG CTC TCC TGT TCC GAC CCT GCC GCT TAC CGG ATA CCT GTC CGC CTT TCT CCC TTC GGG AAG 648

NODE_272_1to77
 pCT74_RC CGT GGC GCT TTC TCA TAG CTC ACG CTG TAG GTA TCT CAG TTC GGT GTA GGT CGT TCG CTC CAA GCT GGG CTG 720

NODE_272_1to77
 pCT74_RC TGT GCA CGA ACC CCC CGT TCA GCC CGA CCG CTG CGC CTT ATC CGG TAA CTA TCG TCT TGA GTC CAA CCC GGT 792

NODE_272_1to77	----	800	----	820	----	840	----	860	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
pCT74_RC	AAG	ACA	CGA	CTT	ATC	GCC	ACT	GGC	AGC	AGC	CAC	TGG	TAA	CAG	GAT	TAG	CAG	AGC	GAG	GTA	TGT	AGG	CGG	TGC	864	
NODE_272_1to77	----	----	880	----	900	----	920	----	940	----	960	----	980	----	1,000	----	----	----	----	----	----	----	----	----	----	----
pCT74_RC	TAC	AGA	GTT	CTT	GAA	GTG	GTG	GCC	TAA	CTA	CGG	CTA	CAC	TAG	AAG	AAC	AGT	ATT	TGG	TAT	CTG	CGC	TCT	GCT	936	
NODE_272_1to77	----	940	----	960	----	980	----	1,000	----	1,020	----	1,040	----	1,060	----	1,080	----	----	----	----	----	----	----	----	----	----
pCT74_RC	GAA	GCC	AGT	TAC	CTT	CGG	AAA	AAG	AGT	TGG	TAG	CTC	TTG	ATC	CGG	CAA	ACA	AAC	CAC	CGC	TGG	TAG	CGG	TGG	1008	
NODE_272_1to77	----	----	1,020	----	1,040	----	1,060	----	1,080	----	1,100	----	1,120	----	1,140	----	----	----	----	----	----	----	----	----	----	----
pCT74_RC	TTT	TTT	TGT	TTG	CAA	GCA	GCA	GAT	TAC	GCG	CAG	AAA	AAA	AGG	ATC	TCA	AGA	AGA	TCC	TTT	GAT	CTT	TTC	TAC	1080	
NODE_272_1to77	----	----	1,100	----	1,120	----	1,140	----	1,160	----	1,180	----	1,200	----	1,220	----	----	----	----	----	----	----	----	----	----	----
pCT74_RC	GGG	GTC	TGA	CGC	TCA	GTG	GAA	CGA	AAA	CTC	ACG	TTA	AGG	GAT	TTT	GGT	CAT	GAG	ATT	ATC	AAA	AAG	GAT	CTT	1152	
NODE_272_1to77	----	1,160	----	1,180	----	1,200	----	1,220	----	1,240	----	1,260	----	1,280	----	1,300	----	1,320	----	1,340	----	1,360	----	1,380	----	1,400
pCT74_RC	CAC	CTA	GAT	CCT	TTT	AAA	TTA	AAA	ATG	AAG	TTT	TAA	ATC	AAT	CTA	AAG	TAT	ATA	TGA	GTA	AAC	TTG	GTC	TGA	1224	
NODE_272_1to77	----	1,240	----	1,260	----	1,280	----	1,300	----	1,320	----	1,340	----	1,360	----	1,380	----	1,400	----	1,420	----	1,440	----	1,460	----	1,480
pCT74_RC	CAG	TTA	CCA	ATG	CTT	AAT	CAG	TGA	GGC	ACC	TAT	CTC	AGC	GAT	CTG	TCT	ATT	TCG	TTC	ATC	CAT	AGT	TGC	CTG	1296	
NODE_272_1to77	----	1,300	----	1,320	----	1,340	----	1,360	----	1,380	----	1,400	----	1,420	----	1,440	----	1,460	----	1,480	----	1,500	----	1,520	----	1,540
pCT74_RC	ACT	CCC	CGT	CGT	GTA	GAT	AAC	TAC	GAT	ACG	GGA	GGG	CTT	ACC	ATC	TGG	CCC	CAG	TGC	TGC	AAT	GAT	ACC	GCG	1368	
NODE_272_1to77	----	1,380	----	1,400	----	1,420	----	1,440	----	1,460	----	1,480	----	1,500	----	1,520	----	1,540	----	1,560	----	1,580	----	1,600	----	1,620
pCT74_RC	AGA	CCC	ACG	CTC	ACC	GGC	TCC	AGA	TTT	ATC	AGC	AAT	AAA	CCA	GCC	AGC	CGG	AAG	GGC	CGA	GCG	CAG	AAG	TGG	1440	
NODE_272_1to77	----	1,460	----	1,480	----	1,500	----	1,520	----	1,540	----	1,560	----	1,580	----	1,600	----	1,620	----	1,640	----	1,660	----	1,680	----	1,700
pCT74_RC	TCC	TGC	AAC	TTT	ATC	CGC	CTC	CAT	CCA	GTC	TAT	TAA	TTG	TTG	CCG	GGA	AGC	TAG	AGT	AAG	TAG	TTC	GCC	AGT	1512	
NODE_272_1to77	----	1,520	----	1,540	----	1,560	----	1,580	----	1,600	----	1,620	----	1,640	----	1,660	----	1,680	----	1,700	----	1,720	----	1,740	----	1,760
pCT74_RC	TAA	TAG	TTT	GCG	CAA	CGT	TGT	TGC	CAT	TGC	TAC	AGG	CAT	CGT	GGT	GTC	ACG	CTC	GTC	GTT	TGG	TAT	GGC	TTC	1584	

NODE_272_1to77	---	---	---	---	---	1,600	---	---	---	---	---	1,620	---	---	---	---	---	---	1,640	---	---	---	---	---	---
pCT74_RC	ATT	CAG	CTC	CGG	TTC	CCA	ACG	ATC	AAG	GCG	AGT	TAC	ATG	ATC	CCC	CAT	GTT	GTG	CAA	AAA	AGC	GGT	TAG	CTC	1656
NODE_272_1to77	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
pCT74_RC	CTT	CGG	TCC	TCC	GAT	CGT	TGT	CAG	AAG	TAA	GTT	GGC	CGC	AGT	GTT	ATC	ACT	CAT	GGT	TAT	GGC	AGC	ACT	GCA	1728
NODE_272_1to77	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
pCT74_RC	TAA	TTC	TCT	TAC	TGT	CAT	GCC	ATC	CGT	AAG	ATG	CTT	TTC	TGT	GAC	TGG	TGA	GTA	CTC	AAC	CAA	GTC	ATT	CTG	1800
NODE_272_1to77	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
pCT74_RC	AGA	ATA	GTG	TAT	GCG	GCG	ACC	GAG	TTG	CTC	TTG	CCC	GGC	GTC	AAT	ACG	GGA	TAA	TAC	CGC	GCC	ACA	TAG	CAG	1872
NODE_272_1to77	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
pCT74_RC	AAC	TTT	AAA	AGT	GCT	CAT	CAT	TGG	AAA	ACG	TTC	TTC	GGG	GCG	AAA	ACT	CTC	AAG	GAT	CTT	ACC	GCT	GTT	GAG	1944
NODE_272_1to77	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
pCT74_RC	ATC	CAG	TTC	GAT	GTA	ACC	CAC	TCG	TGC	ACC	CAA	CTG	ATC	TTC	AGC	ATC	TTT	TAC	TTT	CAC	CAG	CGT	TTC	TGG	2016
NODE_272_1to77	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
pCT74_RC	GTG	AGC	AAA	AAC	AGG	AAG	GCA	AAA	TGC	CGC	AAA	AAA	GGG	AAT	AAG	GGC	GAC	ACG	GAA	ATG	TTG	AAT	ACT	CAT	2088
NODE_272_1to77	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
pCT74_RC	ACT	CTT	CCT	TTT	TCA	ATA	TTA	TTG	AAG	CAT	TTA	TCA	GGG	TTA	TTG	TCT	CAT	GAG	CGG	ATA	CAT	ATT	TGA	ATG	2160
NODE_272_1to77	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
pCT74_RC	TAT	TTA	GAA	AAA	TAA	ACA	AAT	AGG	GGT	TCC	GCG	CAC	ATT	TCC	CCG	AAA	AGT	GCC	ACC	TAA	ATT	GTA	AGC	GTT	2232
NODE_272_1to77	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
pCT74_RC	AAT	ATT	TTG	TTA	AAA	TTC	GCG	TTA	AAT	TTT	TGT	TAA	ATC	AGC	TCA	TTT	TTT	AAC	CAA	TAG	GCC	GAA	ATC	GGC	2304
NODE_272_1to77	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
pCT74_RC	AAA	ATC	CCT	TAT	AAA	TCA	AAA	GAA	TAG	ACC	GAG	ATA	GGG	TTG	AGT	GTT	GTT	CCA	GTT	TGG	AAC	AAG	AGT	CCA	2376

NODE_272_1to77			2,380						2,400						2,420							2,440								
pCT74_RC	CTA	TTA	AAG	AAC	GTG	GAC	TCC	AAC	GTC	AAA	GGG	CGA	AAA	ACC	GTC	TAT	CAG	GGC	GAT	GGC	CCA	CTA	CGT	GAA	2448					
NODE_272_1to77				2,460							2,480								2,500											
pCT74_RC	CCA	TCA	CCC	TAA	TCA	AGT	TTT	TTG	GGG	TCG	AGG	TGC	CGT	AAA	GCA	CTA	AAT	CGG	AAC	CCT	AAA	GGG	AGC	CCC	2520					
NODE_272_1to77							2,540							2,560							2,580									
pCT74_RC	CGA	TTT	AGA	GCT	TGA	CGG	GGA	AAG	CCG	GCG	AAC	GTG	GCG	AGA	AAG	GAA	GGG	AAG	AAA	GCG	AAA	GGA	GCG	GGC	2592					
NODE_272_1to77				2,600							2,620								2,640											
pCT74_RC	GCT	AGG	GCG	CTG	GCA	AGT	GTA	GCG	GTC	ACG	CTG	CGC	GTA	ACC	ACC	ACA	CCC	GCC	GCG	CTT	AAT	GCG	CCG	CTA	2664					
NODE_272_1to77						2,680								2,700								2,720								
pCT74_RC	CAG	GGC	GCG	TCC	CAT	TCG	CCA	TTC	AGG	CTG	CGC	AAC	TGT	TGG	GAA	GGG	CGA	TCG	GTG	CGG	GCC	TCT	TCG	CTA	2736					
NODE_272_1to77							2,740				2,760					2,780							2,800							
pCT74_RC	TTA	CGC	CAG	CTG	GCG	AAA	GGG	GGA	TGT	GCT	GCA	AGG	CGA	TTA	AGT	TGG	GTA	ACG	CCA	GGG	TTT	TCC	CAG	TCA	2808					
NODE_272_1to77						2,820													2,860											
pCT74_RC	CGA	CGT	TGT	AAA	ACG	ACG	GCC	AGT	GAA	TTG	TAA	TAC	GAC	TCA	CTA	TAG	GGC	GAA	TTG	GAG	CTC	CAC	CGC	GGT	2880					
NODE_272_1to77								2,900								2,920						2,940								
pCT74_RC	GGC	GGC	CGC	TCT	AGA	ACT	AGT	GGA	TCC	CCC	GGG	CTG	CAG	GAA	TTC	TCA	TGT	TTG	ACA	GCT	TAT	CAT	CGG	ATC	2952					
NODE_272_1to77				2,960							2,980								3,000											
pCT74_RC	TAG	TAA	CAT	AGA	TGA	CAC	CGC	GCG	CGA	TAA	TTT	ATC	CTA	GTT	TGC	GCG	CTA	TAT	TTT	GTT	TTC	TAT	CGC	GTA	3024					
NODE_272_1to77							3,040									3,060							3,080							
pCT74_RC	TTA	AAT	GTA	TAA	TTG	CGG	GAC	TCT	AAT	CAT	AAA	AAC	CCA	TCT	CAT	AAA	TAA	CGT	CAT	GCA	TTA	CAT	GTT	AAT	3096					
NODE_272_1to77									3,100							3,120														
pCT74_RC	TAT	TAC	ATG	CTT	AAC	GTA	ATT	CAA	CAG	AAA	TTA	TAT	GAT	AAT	CAT	CGC	AAG	ACC	GGC	AAC	AGG	ATT	CAA	TCT	3168					
																3,140														

NODE_272_1to77	---	---	---	3,180	---	---	---	---	---	---	3,200	---	---	---	---	---	---	3,220	---	---	---	---	---	3,240	---
pCT74_RC	TAA	GAA	ACT	TTA	TTG	CCA	AAT	GTT	TGA	ACG	ATC	TGC	AGC	CGG	GCG	GCC	GCT	TTA	CTT	GTA	CAG	CTC	GTC	CAT	3240
NODE_272_1to77	---	---	---	---	---	---	3,260	---	---	---	---	---	---	3,280	---	---	---	---	---	3,300	---	---	---	---	---
pCT74_RC	GCC	GTG	AGT	GAT	CCC	GGC	GGC	GGT	CAC	GAA	CTC	CAG	CAG	GAC	CAT	GTG	ATC	GCG	CTT	CTC	GTT	GGG	GTC	TTT	3312
NODE_272_1to77	---	---	3,320	---	---	---	---	---	---	3,340	---	---	---	---	---	---	3,360	---	---	---	---	---	---	3,380	---
pCT74_RC	GCT	CAG	GGC	GGA	CTG	GGT	GCT	CAG	GTA	GTG	GTT	GTC	GGG	CAG	CAG	CAC	GGG	GCC	GTC	GCC	GAT	GGG	GGT	GTT	3384
NODE_272_1to77	---	---	---	---	---	3,400	---	---	---	---	---	---	3,420	---	---	---	---	---	---	3,440	---	---	---	---	---
pCT74_RC	CTG	CTG	GTA	GTG	GTC	GGC	GAG	CTG	CAC	GCT	GCC	GTC	CTC	GAT	GTT	GTG	GCG	GAT	CTT	GAA	GTT	CAC	CTT	GAT	3456
NODE_272_1to77	---	3,460	---	---	---	---	---	---	---	3,480	---	---	---	---	---	---	3,500	---	---	---	---	---	---	3,520	---
pCT74_RC	GCC	GTT	CTT	CTG	CTT	GTC	GGC	CAT	GAT	ATA	GAC	GTT	GTG	GCT	GTT	GTA	GTT	GTA	CTC	CAG	CTT	GTG	CCC	CAG	3528
NODE_272_1to77	---	---	---	3,540	---	---	---	---	---	---	3,560	---	---	---	---	---	---	---	3,580	---	---	---	---	---	3,600
pCT74_RC	GAT	GTT	GCC	GTC	CTC	CTT	GAA	GTC	GAT	GCC	CTT	CAG	CTC	GAT	GCG	GTT	CAC	CAG	GGT	GTC	GCC	CTC	GAA	CTT	3600
NODE_272_1to77	---	---	---	---	---	---	3,620	---	---	---	---	---	---	---	---	---	---	---	---	---	3,640	---	---	---	---
pCT74_RC	CAC	CTC	GGC	GCG	GGT	CTT	GTA	GTT	GCC	GTC	GTC	CTT	GAA	GAA	GAT	GGT	GCG	CTC	CTG	GAC	GTA	GCC	TTC	GGG	3672
NODE_272_1to77	---	---	3,680	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
pCT74_RC	CAT	GGC	GGA	CTT	GAA	GAA	GTC	GTG	CTG	CTT	CAT	GTG	GTC	GGG	GTA	GCG	GCT	GAA	GCA	CTG	CAC	GCC	GTA	GGT	3744
NODE_272_1to77	---	---	---	---	3,760	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3,780	---	---	---	---
pCT74_RC	GAA	GGT	GGT	CAC	GAG	GGT	GGG	CCA	GGG	CAC	GGG	CAG	CTT	GCC	GGT	GGT	GCA	GAT	GAA	CTT	CAG	GGT	CAG	CTT	3816
NODE_272_1to77	---	3,820	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
pCT74_RC	GCC	GTA	GGT	GGC	ATC	GCC	CTC	GCC	CTC	GCC	GGA	CAC	GCT	GAA	CTT	GTG	GCC	GTT	ACG	TCG	CCG	TCC	AGC	TCG	3888
NODE_272_1to77	---	---	---	3,900	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
pCT74_RC	ACC	AGG	ATG	GGC	ACC	ACC	CCG	GTG	AAC	AGC	TCC	TCG	CCC	TTG	CTC	ACC	ATG	GCC	TAT	ATT	CAT	TCA	TTG	TCA	3960

NODE_272_1to77	---	---	---	---	---	---	3,980	---	---	---	---	---	---	4,000	---	---	---	---	---	4,020	---	---	---	---	---	---
pCT74_RC	GCT	ATC	GCT	GGC	AAC	AAG	ATA	TAA	GCG	TGT	ACT	TAC	GAT	TCT	AGG	ACC	CTG	CGA	ATA	GAG	TTG	GAG	TTG	GAT	4032	
			4,040						4,060						4,080								4,100			
NODE_272_1to77	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
pCT74_RC	ACC	GAT	GGA	CGA	TTG	TTA	GAT	AGG	ACG	GGA	TGC	TGA	TAG	TCG	AGG	TAA	GTT	GTT	GAG	GGT	GGT	GGT	TTT	ATC	4104	
					4,120						4,140								4,160							
NODE_272_1to77	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
pCT74_RC	AAG	GAC	GGA	CAC	CTT	AGC	CCT	TTA	TAT	ACA	CAG	AAT	CTT	ATT	GCT	AGG	TAG	CCG	GAC	GGT	GCG	GAT	TCC	AGG	4176	
		4,180					4,200							4,220							4,240					
NODE_272_1to77	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
pCT74_RC	TAT	CAG	TAG	GCC	CTC	TGA	ATG	TCC	ATG	CAA	TGA	TGC	CCA	ACA	ATC	GAG	ACG	ATC	CTA	CTT	CGG	AAC	CGA	CTC	4248	
			4,260				4,280									4,300								4,320		
NODE_272_1to77	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
pCT74_RC	GAT	CCT	CGT	CGG	GCC	TAC	ATG	TAT	GAG	ACC	ATG	TGC	ACC	TCC	GAA	GCA	TCC	TTA	CGG	AGA	GCG	GAA	TTG	CGC	4320	
							4,340							4,360						4,380						
NODE_272_1to77	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
pCT74_RC	GTA	CAG	AAC	TCC	TCC	ATG	CAT	TCC	AAT	CGA	TAC	CGT	CGA	CGT	TAA	CTG	ATA	TTG	AAG	GAG	CAT	TTT	TTG	GGC	4392	
			4,400				4,420								4,440								4,460			
NODE_272_1to77	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
pCT74_RC	TTG	GCT	GGA	GCT	AGT	GGA	GGT	CAA	CAA	TGA	ATG	CCT	ATT	TTG	GTT	TAG	TCG	TCC	AGG	CGG	TGA	GCA	CAA	AAT	4464	
					4,480							4,500							4,520							
NODE_272_1to77	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
pCT74_RC	TTG	TGT	CGT	TTG	ACA	AGA	TGG	TTC	ATT	TAG	GCA	ACT	GGT	CAG	ATC	AGC	CCC	ACT	TGT	AGC	AGT	AGC	GGC	GGC	4536	
		4,540					4,560							4,580									4,600			
NODE_272_1to77	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
pCT74_RC	GCT	CGA	AGT	GTG	ACT	CTT	ATT	AGC	AGA	CAG	GAA	CGA	GGA	CAT	TAT	TAT	CAT	CTG	CTG	CTT	GGT	GCA	CGA	TAA	4608	
				4,620				4,640										4,660						4,680		
NODE_272_1to77	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
pCT74_RC	CTT	GGT	GCG	TTT	GTC	AAG	CAA	GGT	AAG	TGG	ACG	ACC	CGG	TCA	TAC	CTT	CTT	AAG	TTC	GCC	CTT	CCT	CCC	TTT	4680	
							4,700							4,720												
NODE_272_1to77	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
pCT74_RC	ATT	TCA	GAT	TCA	ATC	TGA	CTT	ACC	TAT	TCT	ACC	CAA	GCA	TCC	AAA	TGA	AAA	AGC	CTG	AAC	TCA	CCG	CGA	CGT	9	
																						CCG	CGA	CGT	4752	

			4,760						4,780						4,800						4,820				
NODE_272_1to77	CTG	TCG	AGA	AGT	TTC	TGA	TCG	AAA	AGT	TCG	ACA	GCG	TCT	CCG	ACC	TGA	TGC	AGC	TCT	CGG	AGG	GCG	A -	- -	76
pCT74_RC	CTG	TCG	AGA	AGT	TTC	TGA	TCG	AAA	AGT	TCG	ACA	GCG	TCT	CCG	ACC	TGA	TGC	AGC	TCT	CGG	AGG	GCG	AAG	AAT	4824
					4,840							4,860									4,880				
NODE_272_1to77	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	76
pCT74_RC	CTC	GTG	CTT	TCA	GCT	TCG	ATG	TAG	GAG	GGC	GTG	GAT	ATG	TCC	TGC	GGG	TAA	ATA	GCT	GCG	CCG	ATG	GTT	TCT	4896
		4,900						4,920						4,940							4,960				
NODE_272_1to77	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	76
pCT74_RC	ACA	AAG	ATC	GTT	ATG	TTT	ATC	GGC	ACT	TTG	CAT	CGG	CCG	CGC	TCC	CGA	TTC	CGG	AAG	TGC	TTG	ACA	TTG	GGG	4968
			4,980								5,000							5,020						5,040	
NODE_272_1to77	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	76
pCT74_RC	AGT	TCA	GCG	AGA	GCC	TGA	CCT	ATT	GCA	TCT	CCC	GCC	GTG	CAC	AGG	GTG	TCA	CGT	TGC	AAG	ACC	TGC	CTG	AAA	5040
					5,060							5,080								5,100					
NODE_272_1to77	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	76
pCT74_RC	CCG	AAC	TGC	CCG	CTG	TTC	TCC	AGC	CGG	TCG	CGG	AGG	CCA	TGG	ATG	CGA	TCG	CTG	CGG	CCG	ATC	TTA	GCC	AGA	5112
		5,120								5,140						5,160							5,180		
NODE_272_1to77	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	76
pCT74_RC	CGA	GCG	GGT	TCG	GCC	CAT	TCG	GAC	CGC	AAG	GAA	TCG	GTC	AAT	ACA	CTA	CAT	GGC	GTG	ATT	TCA	TAT	GCG	CGA	5184
					5,200							5,220							5,240						
NODE_272_1to77	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	76
pCT74_RC	TTG	CTG	ATC	CCC	ATG	TGT	ATC	ACT	GGC	AAA	CTG	TGA	TGG	ACG	ACA	CCG	TCA	GTG	CGT	CCG	TCG	CGC	AGG	CTC	5256
		5,260						5,280							5,300						5,320				
NODE_272_1to77	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	76
pCT74_RC	TCG	ATG	AGC	TGA	TGC	TTT	GGG	CCG	AGG	ACT	GCC	CCG	AAG	TCC	GGC	ACC	TCG	TGC	ATG	CGG	ATT	TCG	GCT	CCA	5328
			5,340								5,360						5,380							5,400	
NODE_272_1to77	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	76
pCT74_RC	ACA	ATG	TCC	TGA	CGG	ACA	ATG	GCC	GCA	TAA	CAG	CGG	TCA	TTG	ACT	GGA	GCG	AGG	CGA	TGT	TCG	GGG	ATT	CCC	5400
					5,420							5,440								5,460					
NODE_272_1to77	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	76
pCT74_RC	AAT	ACG	AGG	TCG	CCA	ACA	TCC	TCT	TCT	GGA	GGC	CGT	GGT	TGG	CTT	GTA	TGG	AGC	AGC	AGA	CGC	GCT	ACT	TCG	5472
		5,480									5,500						5,520						5,540		
NODE_272_1to77	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	76
pCT74_RC	AGC	GGA	GGC	ATC	CGG	AGC	TTG	CAG	GAT	CGC	CGC	GCC	TCC	GGG	CGT	ATA	TGC	TCC	GCA	TTG	GTC	TTG	ACC	AAC	5544

NODE_272_1to77	- - -	- - -	- - -	- - -	- - -	5,560	- - -	- - -	- - -	- - -	- - -	5,580	- - -	- - -	- - -	- - -	- - -	5,600	- - -	- - -	- - -	- - -	- - -	76	
pCT74_RC	TCT	ATC	AGA	GCT	TGG	TTG	ACG	GCA	ATT	TCG	ATG	ATG	CAG	CTT	GGG	CGC	AGG	GTC	GAT	GCG	ACG	CAA	TCG	TCC	5616
		5,620						5,640							5,660						5,680				
NODE_272_1to77	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	76
pCT74_RC	GAT	CCG	GAG	CCG	GGA	CTG	TCG	GGC	GTA	CAC	AAA	TCG	CCC	GCA	GAA	GCG	CGG	CCG	TCT	GGA	CCG	ATG	GCT	GTG	5688
			5,700								5,720							5,740						5,760	
NODE_272_1to77	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	76
pCT74_RC	TAG	AAG	TAC	TCG	CCG	ATA	GTG	GAA	ACC	GAC	GCC	CCA	GCA	CTC	GTC	CGA	GGG	CAA	AGG	AAT	AGA	GTA	GAT	GCC	5760
							5,780																		
NODE_272_1to77	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - C	C A	79														
pCT74_RC	GAC	CGG	GAA	CCA	GTT	AAC	GTC	GAC	CTC	GA	5789														