

A

	Branch-site REL
PARP1	
PARP2	
PARP3	
PARP4	Marmoset
PARP5a	
PARP5b	
PARP9	Marmoset
PARP14	
PARP15	
PARP7	
PARP12	
PARP13	Marmoset Gibbon Rhesus
PARP10	
PARP11	
PARP6	
PARP8	
PARP16	

B

	Positively selected codons	
	%	dN/dS
PARP1		
PARP2		
PARP3		
PARP4	5.6	6.0
PARP5a		
PARP5b		
PARP9	7.2	6.4
PARP14	22	2.7
PARP15	8.8	6.9
PARP7		
PARP12		
PARP13	20	2.7
PARP10		
PARP11		
PARP6		
PARP8		
PARP16		

C

	Whole gene dN/dS
PARP1	0.13
PARP2	0.20
PARP3	0.28
PARP4	0.65
PARP5a	0.04
PARP5b	0.03
PARP9	0.85
PARP14	0.64
PARP15	0.90
PARP7	0.12
PARP12	0.29
PARP13	0.71
PARP10	0.32
PARP11	0.12
PARP6	0.01
PARP8	0.07
PARP16	0.09