

Polymorphisms Used in the Definition of Clades of mtDNA Haplogroup JT

							J. J. (Jim) Logan, 12 May 2011	
R	A73G, G11719A							
JT	T4216C, A11251G, C15452A, T16126C							
J	C295T, T489C, A10398G, A12612G, G13708A, C16069T							
J1	C462T, G3010A							
J1b	G8269A, C16222T							
J1b1	G5460A, T13879C							
J1b1a	C242T, T2158C, G8557A, G12007A, T16172C							
J1b1a1	T15067C							
J1b1a1a	C264T, T8286C, 8287.1C							
J1b1a2	C5463T, T6911C, C16192T							
J1b1b	C271T							
J1b1b1	T10410A, C16222@							
J1b1b1a	A2707C, C16290T							
J1b1b1b	T7270C							
J1b2	C1733T							
J1b2a	T6719C, A14927G							
J1b3	A8460G, A16235G, T16271C							
J1c	(G185A), (G228A), T14798C							
J1c1	T482C, T3394C							
J1c1a	A9635C, C11623T, T13899C							
J1c1b	A7184G							
J1c1b1	G5773A							
J1c1c	T10454C, T16368C							
J1c2	A188G							
J1c2a	T6293C							
J1c2a1	A7245G, G8839A							
J1c2a2	A4790G, G15043A							
J1c2b	T4454C							
J1c2c	G10685A, T13281C, A13933G							
J1c2c1	C222T							
J1c2c2	G8865A							
J1c2d	A13032G, T14325C							
J1c2e	C16366T							
J1c3	C13934T							
J1c3a	G9548A							
J1c3a1	T7711C							
J1c3a2	T9836C							
J1c3b	C15367T							
J1c3b1	G5237A							
J1c3b1a	G6261A							
J1c3c	A2706@							
J1c3d	A1811G							
J1c4	A9632G, T12083G							
J1c4a	G11778A, G11914A							
J1c4b	A9120G							
J1c5	A5198G							
J1c5a	T2387C, C10192T							

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					J1c5a1	A10598G			
					J1c5b	T11087C			
					J1c5b1	T6681C, C12239T			
				J1c6	C4025T				
				J1c7	C6554T, G12127A				
				J1c7a	C6464A, A13681G				
				J1c8	T10084C				
				J1c8a	A10398@				
				J1c8b	A9052G				
				J1c9	C6887T				
			J1d	A7963G, C16193T					
			J1d1	A16300G					
			J1d2	T689C, G9123A, T10166C, G14040A, A14280G					
	J2	C7476T, G15257A							
	J2a	A10499G, G11377A							
	J2a1	(A215G), (T319C), (A13722G), A14133G, T16231C, G16145A, C16261T							
	J2a2	T6671C, A11002G, A12570G, A15679G							
	J2a2a	C8386T							
	J2b	C5633T, G10172A, G15812A, C16193T							
	J2b1	C16278T							
	J2b1a	G14569A							
	J2b1a2	A14405G							
	J2b1b	T6216C							
	J2b1c	T199C							
	J2b2	T2404C, G6962T, G7211A, T10389C							
	J2b2a	G7211A							
	T	G709A, G1888A, A4917G, G8697A, T10463C, G13368A, G14905A, A15697G, G15928A, C16294T							
	T1	C12633A, A16163G, C16186T							
	T1a	T9899C							
	T1a1	C6445T							
	T1a2	A15467G							
	T1a3	A9120G, A15965G							
	T1a3a	G16213A, C16258G							
	T1a4	A6891G, A12182G							
	T1a5	A5414G							
	T1a5a	T15412C							
	T1a6	C5478							
	T1a7	A14758G							
	T1a8	A3308G, T11944C							
	T1a8a	G11440A							
	T1a9	A8530G							
	T1a10	A469T							
	T1a10a	C8974T							
	T1a10a1	T10915C							
	T1a11	T16311C							
	T1a12	G10143A							
	T1a12a	C14281T							
	T1b	A384G, G4959A, G9300A							
	T1c	T7258C, T10321C							

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	T1d	A7001G, T16263G													
	T1e	T89C, C91T, G97A, C8083T, T8412C, G13759A, C13791T, C14284T, G16244A													
	T1f	T199C, A512G, A7784G, A14500G, G16274A													
	T1g	C16196@, T16243C													
		T1g1	T1542C												
		T1g2	C11647T, A16163@, A16183-												
	T1h	T6152C													
	T1i	A8701G													
		T1i1	G3834A												
	T1j	C3867T, A10376G													
	T2	A14233G													
		T2a	T13965C, A14687G												
			T2a1	T2850C, T7022C											
				T2a1a	T8715C										
					T2a1a1	G143A, G8994A									
					T2a1a2	T4688C									
					T2a1a3	C4808T, A6598G									
					T2a1a3a	A8438G									
					T2a1a4	C4931T									
					T2a1b	T16324C									
					T2a1b1	T2141C, A13966G									
					T2a1b1a	T9117C									
						T2a1b1a1	C12741T								
							T2a1b1a1a	T3350C							
					T2a2	C198T, T13020C									
		T2b	G930A, G5147A												
			T2b1	T16304C											
				T2b1a	G14016A										
					T2b1a1	A6530G, G11377A									
					T2b1b	A10750G									
						T2b1b1	C151T								
							T2b1b1a	C16187T							
								T2b1b1a1	A9809G, C11047A						
								T2b1b1b	G6305A, T7150C, A7289G, G11887A, C12360T, 163623T						
								T2b1b1c	T4561C						
								T2b1b1d	A5656G, C16292T						
									T2b1b2	A13722G					
									T2b1c	A9254G					
										T2b1c1	T16172C				
											T2b1c1a	C114T			
											T2b1c2	C16104T			
											T2b1c3	C16239			
											T2b1c4	T9653C, C16295@			
											T2b1c5	G6261A, C16192T, A16207G, G16274A			
											T2b1d	T3826C			
												T2b1d1	T5201C		
													T2b1d1a	T8504C	
														T2b1d1a1	T3c
														T2b1e	C458T, G1709A, G9300A, C11533T

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					T2b1d1	G12007A			
					T2b1e2	G14016A, C16218T, C16287T			
					T2b1f	G9966A			
					T2b1f1	A9180G			
						T2b1f1a	T13768C, A16257-		
					T2b1g	T321c			
					T2b1h	T5580C, A10559G			
					T2b1i	A237G, A2356G, A11380G, A13803G			
					T2b1j	G207a			
						T2b1j1	T3398C		
					T2b1k	A289G			
					T2b1l	G14861A			
					T2b1m	T15670C			
					T2b1n	A5836G, C8281-9d			
					T2b1o	T16362C			
						T2b1o1	T634C		
					T2b1p	T12441C, C16147T, T16224C, T16297C			
						T2b1p1	T9224C, A11812@, A14314G		
					T2b1q	C13692T, T4688C, C7891T			
					T2b1r	A6126G, G13828C, G13928C			
					T2b1s	G15172A			
					T2b1t	A14836G			
					T2b1u	C3820T, A12223G, T13500C			
					T2b2	C11252G			
						T2b2a	A4225G, G7754A, A14693		
						T2b2b	C16192T		
					T2c	G261A, C10822T, C16292T			
					T2c1	C8455T, A13973T			
						T2c1a	C499A, C6998T, G8838A		
							T2c1a1	T15747C	
					T2c2	C7873T, C5187T, T279C			
						T2c2a	T7678C, T15784C		
					T2c3	G16438A			
					T2d	A5747T, T13260C			
					T2d1	C194T, T16086C			
					T2e	C150T, G16153A			
						T2e1	C41T		
							T2e1a	A2308G	
							T2e1b	A16207T	
					T2e2	G9139A			
					T2f	C8281-9, C8270T			
						T2f1	T5277C, C8489A, C15028A, G15043A, T16298C		
							T2f1a	T5426C	
					T2g	A12397G			
					T2h	T14798C			
					T2h1	A14839G, A200G, T1977C, G3834A			
							T2h1a	C16148T	
					T2h2	T507C, T1766C			