

# Quick Reference Guide to mtDNA Haplogroup T

The complete phylogeny for mtDNA Haplogroup T as delineated by Pike et al. in the *Journal of Genetic Genealogy*, volume 6(1), 2010 ([www.jogg.info](http://www.jogg.info)) is shown below.

Non-Defining Mutations: 73G, 263G, 315.1C, 750G, 1438G, 2706G, 4769G, 7028T, 8860G, 11719A, 14766T, 15326G, 16519C

JT: 4216C, 11251G, 15452A, 16126C

T: 709A, 1888A, 4917G, 8697A, 10463C, 13368A, 14905A, 15607G, 15928A, 16294T

T1: 12633A, 16163G, 16186T, 16189C

T1a: 152C, 9899C

T1a1: 195C

T1a1a: 6445T

T1a1b: 15467G

T1a1c: 9120G, 15965G

T1a1c1: 16213A, 16258G

T1a1d: 6891G, 12182G, 16362C

T1a1e: 5558G

T1a1e1: 5414G

T1a1e1a: 15412C

T1a1f: 16304C

T1a1g: 5478T

T1a1h: 14758G

T1a1i: 3308G, 11944C

T1a1i1: 152(back-mutation), 524.1C, 524.2A, 11440A

T1a1j: 8530G

T1a1k: 469T

T1a1k1: 8974T

T1a1k1a: 10915C

T1a1l: 16311C

T1a1m: 10143A, 14281T

T1b: 152C, 384G, 4959A, 5558G, 9300A, 16261T

T1c: 152C, 195C, 7258C, 10321C

T1d: 152C, 7001G, 16263C

T1e: 199C, 512G, 7784G, 14500G, 16274A

T1f: 16186(back-mutation), 16243C

T1f1: 1542C

T1f2: 11647T, 16163(back-mutation), 16183–

T1g: 6152C

T1h: 6656T

T1i: 3834A, 8701G

T1j: 16362C

T1k: 3867T, 10376G

T1l: 89C, 91T, 97A, 8083T, 8412C, 13759A, 13791T, 14284T, 16244A

T2: 11812G, 14233G

T2a: 13965C

T2a1: 14687G, 16296T

T2a1a: 2850C, 7022C

T2a1a1: 143A, 8715C, 8994A

T2a1a1a: 13708A

T2a1a2: 4688C

T2a1a3: 4808T, 5498G  
T2a1a3a: 8435G  
T2a1a4: 4931T, 16296(back-mutation)  
T2a1b: 2141C, 9117C, 13966G  
T2a1b1: 16324C  
T2a1b1a: 12741T  
T2a1b1a1: 3350C  
T2a2: 195C, 198T, 13020C  
T2b: 930A, 5147A, 16304C, 16296T  
T2b1: 14016A  
T2b1a: 195C, 6530G, 11377A  
T2b2: 11242G, 16304(back-mutation)  
T2b2a: 4225G, 7754A, 14693G  
T2b2b: 16192T, 16296(back-mutation)  
T2b2b1: 12171G  
T2b2b1a: 15848G  
T2b2c: 152C, 16296(back-mutation)  
T2b3: 10750G  
T2b3a: 151T  
T2b3a1: 16187T  
T2b3a1a: 9809G, 11047A  
T2b3a2: 152C, 4561C  
T2b3a3: 152C, 5656G, 16292T  
T2b3a4: 6305A, 7150C, 7289G, 11887A, 12360T, 13623T  
T2b3b: 13722G  
T2b4: 9254G, 16296(back-mutation)  
T2b4a: 16172C  
T2b4a1: 114T  
T2b4b: 152C, 16104T  
T2b4c: 152C, 16239T  
T2b4d: 152C, 9653C, 16294(back-mutation)  
T2b4e: 6261A, 16192T, 16207G, 16274A  
T2b5: 3826C  
T2b5a: 5201C  
T2b5a1: 8504C  
T2b5a1a: 3C  
T2b6: 458T, 1709A, 9300A, 11533T  
T2b6a: 12007A  
T2b6b: 146C, 8730G, 14016A, 16218T, 16287T  
T2b7: 152C, 9180G, 9966A, 13768C, 16257–  
T2b8: 321C  
T2b9: 150T  
T2b9a: 5580C, 10559G  
T2b10: 237G, 2356G, 11380G, 13803G  
T2b11: 207A, 3398C  
T2b12: 189G, 16183–  
T2b13: 14861A  
T2b14: 15670C  
T2b15: 5836G, 8281-8289(9bp deletion)  
T2b16: 16362C  
T2b16a: 634C  
T2b17: 13692T  
T2b17a: 4688C, 7891T  
T2b18: 146C

T2b19: 522-, 523-  
T2b19a: 13928C  
T2b19a1: 6126G  
T2b20: 15172A  
T2b21: 152C, 14836G, 16296(back-mutation)  
T2b22: 152C, 3820T, 12223G, 13500C  
T2b23: 12441C, 16147T, 16224C, 16297C  
T2b23a: 5315G, 9224C, 11812(back-mutation), 14314G, 16362C  
T2c: 6261A, 10822T, 16292T  
T2c1: 8455T, 13973T  
T2c1a: 152C, 499A, 6998T, 8838A, 11914A, 16296T  
T2c1a1: 15747C  
T2c2: 146C  
T2c2a: 279C, 5187T, 7873T  
T2c2a1: 152C, 7679C, 15784C  
T2c2a2: 11914A  
T2c2b: 522-, 523-  
T2c2b1: 16438A  
T2d: 13260C, 16296T  
T2d1: 152C, 5747G, 13708A  
T2d1a: 194T  
T2d1b: 16086C  
T2e: 150T, 16153A  
T2e1: 41T, 16296T  
T2e1a: 2308G  
T2e1b: 200G  
T2e1c: 16092C  
T2e1d: 16207T  
T2e2: 9139A  
T2e3: 9947A  
T2e4: 16189C  
T2f: 8281-8289(9bp deletion), 16189C, 16296T  
T2f1: 195C, 5277C, 5426C, 6489A, 15028A, 15043A, 16298C  
T2f1a: 16182C, 16183C  
T2f1a1: 8270T  
T2f2: 8270T  
T2g: 14798C, 16296T  
T2g1: 1977C, 3834A, 14839G  
T2g1a: 200G  
T2g1a1: 16148T  
T2g2: 507C, 1766C, 7337A, 13834G  
T2h: 12397G, 16296T  
T2i: 152C, 10750G