

GenBank Submissions from *FTDNA*
Mutations List
(Total – 512)
(hg order)

1. FJ713602 - Homo sapiens hg A2 mitochondrion, complete genome

T63A C64T A73G T146C A153G A189G G207A A235G A263G 315insC 522delC
523delA A663G G709A A750G A1438G A1736G T1824C A2706G G3849A T4248C
A4769G A4824G T5105C C7028T G8027A C8794T C9344T A10700G G11719A
G12007A A12172G C12705T C14766T A15326G C16223T C16290T G16319A T16362C

2. FJ775667 - Homo sapiens hg A2f mitochondrion, complete genome

C64T A73G T146C A153G A235G A263G 315insC 522delC 523delA A663G A750G
A1438G A1736G T1809C T2638C A2706G G3316A T4248C A4769G A4824G C7028T
G7897A G8027A C8794T A8860G G11719A G12007A C12092A C12705T G12940A
C14766T C14911T A15326G T15670C T15850C C16111T C16192T C16223T C16290T
G16319A T16362C

3. FJ696386 - Homo sapiens hg A2f mitochondrion, complete genome

C64T A73G T146C A153G A235G A263G 315insC 522delC 523delA A663G A750G
A1438G A1736G T1809C T2638C A2706G G3316A T4248C A4769G A4824G G5471A
C7028T G7897A G8027A C8794T A8860G G11719A G12007A C12092A C12705T
G12940A C14766T C14911T A15326G T15670C C16111T C16192T C16223T C16290T
G16319A T16362C

4. FJ705809 - Homo sapiens hg A2f mitochondrion, complete genome

C64T A73G T146C A153G A235G A263G 315insC 522delC 523delA A663G A750G
A1438G A1736G T1809C T2638C A2706G G3316A T4248C A4769G A4824G C7028T
G7897A G8027A C8794T A8860G G11719A G12007A C12092A C12705T G12940A
C14766T C14911T A15326G T15670C C16111T C16192T C16223T C16290T G16319A
T16362C

5. FJ695219 - Homo sapiens hg A2f mitochondrion, complete genome

C64T A73G T146C A153G A235G A263G 315insC 522delC 523delA A663G A750G
A1438G A1736G T1809C T2638C A2706G G3316A T4248C A4769G A4824G G5471A
C7028T G7897A G8027A C8794T A8860G G11719A G12007A C12092A C12705T
G12940A C14766T C14911T A15326G T15670C C16111T C16192T C16223T C16290T
G16319A T16362C

6. GQ377757 - Homo sapiens hg A2i mitochondrion, complete genome

C64T A73G G94A T146C A153G A235G A263G 309insC 315insC 522delC 523delA
A663G A750G 960insC A1438G A1736G A2706G 3307insA T3308C T4248C A4769G
A4824G C5165T T6620C C7028T G8027A C8794T A8860G G11719A G12007A

A12444G C12705T A12996G A14280G T14470C C14766T A15326G C15386T C16111T
C16223T C16290T G16319A T16325C T16362C T16519C

7. EF648602 - Homo sapiens hg B2 mitochondrion, complete genome

T63C C64T A73G A263G 309insC 315insC G499A A750G A827G A1438G A2706G
A3547G A4769G G4820A C4960T T4977C T6221C C6473T C7028T 8276delC 8277delT
8278delC 8279delT 8280delA 8281delC 8282delC 8283delC 8284delC A8860G T9950C
C11177T G11719A G13590A C14766T A15326G G15355A C15535T G15731A A16183C
T16189C T16217C T16519C

8. EU334872 - Homo sapiens hg B4b1 mitochondrion, complete genome

A73G A263G 309insC 315insC G499A A750G A827G A1438G A2706G A3547G
A3796G C3996T A4769G G4820A T4977C C6473T C7028T 8276delC 8277delT
8278delC 8279delT 8280delA 8281delC 8282delC 8283delC 8284delC A8860G C9212T
T9950C T10535C C11177T G11719A G13590A A13833G C14766T A15326G C15535T
A16183C T16189C T16217C T16519C

9. EU327891 - Homo sapiens hg C1 mitochondrion, complete genome

A73G 249delA A263G 289delA 290delA 309insC 315insC T489C A750G A1438G
G1888A A2706G T3552A A4715G A4769G C7028T C7196A G8584A A8701G A8860G
A9254G T9540C A9545G A10398G C10400T T10873C G11719A G11914A C12705T
A13263G C13839T T14318C C14766T T14783C G15043A G15301A A15326G A15487T
G15930A C16114T C16223T T16298C T16325C C16327T

10. GQ397486 - Homo sapiens hg C1b2a mitochondrion, complete genome

A73G 249delA 289delA 290delA 315insC T489C A493G 522delC 523delA A750G
A1438G A2706G T3552A C4242T A4715G A4769G G7013A C7028T C7196A G8584A
A8701G A8860G T9540C A9545G C9557T A10398G C10400T T10873C G11719A
G11914A G12454A C12705T A13263G T14318C C14766T T14783C G15043A
G15301A A15326G A15487T C16223T T16298C T16325C C16327T T16519C

11. EU327973 - Homo sapiens hg C1 mitochondrion, complete genome (C1c)

A73G 249delA A263G 289delA 290delA 309insC 315insC T489C A750G A1438G
G1888A A2706G T3552A A4715G A4769G A6575G C7028T C7196A G8584A A8701G
A8860G T9540C A9545G A10398G C10400T T10873C G11719A G11914A C12705T
A13263G T14318C C14766T T14783C G15043A G15301A A15326G A15487T C15740T
G15930R T16093C C16223T T16298C T16325C C16327T G16485A G16490A T16491C
G16496A T16519C

12. EU617323 - Homo sapiens hg C1c mitochondrion, complete genome

A73G 249delA A263G 289delA 290delA 309insC 315insC T489C A750G A1438G
G1888A A2706G T3552A A4715G A4769G A6575G C7028T C7196A G8584A A8701G
A8860G T9540C A9545G A10398G C10400T T10873C G11719A G11914A C12705T
A13263G T14318C C14766T T14783C G15043A G15301A A15326G A15487T C15740T
G15930A T16093C C16223T T16298C T16325C C16327T G16485A G16490A T16491C
G16496A T16519C

13. GQ853199 - Homo sapiens hg C5 mitochondrion, complete genome

A73G 249delA A263G 315insC T489C 595insC A750G A1438G A1670T A2706G
T3552A A4715G A4769G C7028T C7196A C7694T G8584A A8701G A8860G T9540C
A9545G A10042G A10398G C10400T T10454C T10873C G11719A G11914A C12705T
A13263G T14318C C14766T T14783C G15043A G15301A A15326G A15487T T16093C
C16223T C16234T T16288C T16298C C16327T G16518T T16519C C16527T

14. FJ743691 - Homo sapiens hg C5 mitochondrion, complete genome

A73G T152C 249delA A263G 315insC T489C 595insC A750G A1438G A1670T
A2706G T3552A A4715G A4769G C7028T C7196A C7694T G8584A A8701G A8860G
T9540C A9545G A10398G C10400T T10454C T10873C G11719A G11914A C12705T
A13263G T14318C C14766T T14783C G15043A G15301A A15326G A15487T T16093C
C16223T C16234T T16288C T16298C C16327T G16518T T16519C C16527T

15. FJ415605 - Homo sapiens hg D4 mitochondrion, complete genome

A73G T152C A263G 309insC 315insC T489C A750G A1438G A2706G G3010A
A4769G C4883T C5178A G5563A G5824A C7028T C8414T A8701G A8860G T9540C
A10398G C10400T T10873C G11696A G11719A G12501A C12705T C14668T C14766T
T14783C G15043A G15301A A15326G C16223T C16261T C16291T T16362C T16519C

16. EU428195 - Homo sapiens hg D5a mitochondrion, complete genome

A73G T146C C150T A263G 309insC 309insC 315insC T489C A750G C752T T1107C
A1438G A2706G A3702G A4769G C4883T C5178A A5301G C7028T A8701G G8838A
A8860G A9180G T9540C A10397G A10398G C10400T T10873C G11719A T11944C
A12026G C12705T G13759A C14766T T14783C G15043A G15301A A15326G
T16126C T16136C A16182C A16183C T16189C C16223T C16360T T16362C

17. GU012637 - Homo sapiens hg E2a mitochondrion, complete genome

A73G C194T T195C A263G 315insC T489C A750G A1438G A2706G T3027C G3705A
G4491A A4769G C7028T G7598A A8440G A8701G A8730G A8860G A9080G T9540C
A10398G C10400T T10873C G11719A C12705T C13626T C14766T T14783C G15043A
A15178G G15301A A15326G A16051G C16223T T16362C G16390A

18. EU523127 - Homo sapiens hg G2a mitochondrion, complete genome

A73G T152C G185A A263G 309insC 315insC T489C G709A A750G A1438G C1833T
A2706G G3882A A4769G A4833G T5108C C5601T T6152C C7028T G7600A A8701G
A8860G A9377G T9540C G9575A A10398G C10400T T10873C G11719A C12705T
A13563G G14569A C14766 T14783C G15043A G15301A A15326G C16169T C16223T
A16227G C16262T C16278T C16294T A16318G T16362C G16526A

19. GU812901 - Homo sapiens hg H* mitochondrion, complete genome

T152C A200G A263G 315insC A750G A1438G A4769G A8860G A15326G T16519C

20. GU266613 - Homo sapiens hg H* mitochondrion, complete genome

A263G 309insC 315insC A750G A1438G A4769G T5442C A8860G G9932A C14149T
A15326G T16093Y T16519C

21. GU251090 - Homo sapiens hg H* mitochondrion, complete genome

T152N A263G 315insC T466C A750G A1438G A4769G T5108C T6971C A8860G
A15326G T16093C T16311C T16519C

22. GQ902958 - Homo sapiens hg H* mitochondrion, complete genome

A263G 309insC 315insC T742C A750G A1438G T3387C C4709T A4769G A8860G
G10646A A12217G G13145A C14932T A15326G T16519C

23. GQ472310 - Homo sapiens hg H* mitochondrion, complete genome

A263G 309insC 315insC A750G A1438G A3221G A4769G G5460A A8860G A9299G
A15326G T15565C T16519C

24. FJ999540 - Homo sapiens hg H* mitochondrion, complete genome

A263G 309insC 315insC A750G A1438G A4769G A8860G C10211T A15326G T16519C

25. FJ985851 - Homo sapiens hg H* mitochondrion, complete genome

A263G 309insC 315insC A750G A1438G T4386C A4769G 5752insA T7621C A8860G
A15326G T16519C

26. FJ788098 - Homo sapiens hg H* mitochondrion, complete genome

A263G 309insC 315insC A750G A1438G A3144G A4769G 5752insA T7621C A8860G
T13879C A15326G

27. FJ464462 - Homo sapiens hg H* mitochondrion, complete genome

A263G 315insC A750G A1438G A4769G A8860G C9129T C10394T A15326G
C16223T T16519C

28. FJ210721 - Homo sapiens hg H* mitochondrion, complete genome

A263G 309insC 315insC A750G A1438G A3714C A4769G 5752insA T7621C A8860G
G11914A A15326G T16519C

29. FJ188715 - Homo sapiens hg H* mitochondrion, complete genome

A263G 309insC 309insC 315insC A750G A1438G 2325insT A4769G G5252A G5585A
A8860G A15311G A15326G T15394C T16519C

30. EU744541 - Homo sapiens hg H* mitochondrion, complete genome

T152C A263G 309insC 315insC A750G A1438G A4769G A8860G A14220G A15326G
T16093C T16519C

31. EU684000 - Homo sapiens hg H* mitochondrion, complete genome

A263G 315insC A750G A1438G A4769G A8860G A9545G T11152C T13500C
A15326G T16519C

32. **EU677386 - Homo sapiens hg H* mitochondrion, complete genome**
A235G A263G 315insC A750G A1438G A3537G A4769G T6524C A8860G T9152C
A15326G T16519C
33. **EU670874 - Homo sapiens hg H* mitochondrion, complete genome**
C186A A263G 315insC A750G A1438G A4769G T8715C A8860G C11191T A15326G
T16519C
34. **EU677425 - Homo sapiens hg H* mitochondrion, complete genome**
A263G 309insC 309insC 315insC A750G A1438G A4769G A8860G A15326G T16189C
A16299G T16422C T16519C
35. **EU570213 - Homo sapiens hg H* mitochondrion, complete genome**
T72G T146C T195C A263G 309insC 315insC A750G A1438G A4769G A7930T
A8860G A10771G T11254C A15326G G16319A T16519C
36. **EU543281 - Homo sapiens hg H* mitochondrion, complete genome**
C186A A263G 309insC 315insC A750G A1438G A4769G A6647G T8715C A8860G
C11191T A15326G T16519C
37. **EU282416 - Homo sapiens hg H* mitochondrion, complete genome**
A263G 315insC A750G A1438G C4221A A4769G A8860G A11590G T12477C T13500C
A15326G C15658T T16519C
38. **EU131366 - Homo sapiens hg H* mitochondrion, complete genome**
A263G 309insC 315insC 573insC 573insC A750G A1438G A4769G A8860G A11560G
C15058T G15077A A15326G T16519C
39. **EF609014 - Homo sapiens hg H* mitochondrion, complete genome**
C194T A263G 315insC A750G A1438G A4769G A8860G A14344G A15326G T16519C
40. **EF532800 - Homo sapiens hg H* mitochondrion, complete genome**
T152C C194T A263G 315insC A750G A1438G A4769G 5899insC A8860G A9545G
T11152C T13500C A15326G G15731A T16519C
41. **EF493867 - Homo sapiens hg H* mitochondrion, complete genome**
A263G 315insC A750G A1438G G2361A A4769G A8860G A15326G A16254G
T16311C T16519C
42. **EF472971 - Homo sapiens hg H* mitochondrion, complete genome**
A263G 315insC A750G A1438G A4769G A8860G C9129T C10394T A15326G T16519C
43. **EF458167 - Homo sapiens hg H* mitochondrion, complete genome**
A263G 315insC A750G A1374T A1438G C3507T A4769G A8860G G11447A A15326G
44. **EF436244 - Homo sapiens hg H* mitochondrion, complete genome**

60insT C64T T152C A153G A263G 309insC 315insC A750G A1438G A2355G T2442C
A2706G G3438A T3847C A4769G C7028T A8860G C10728T C13188T C14766T
A15326G T15674C T16126C T16362C

45. EF363133 - Homo sapiens hg H* mitochondrion, complete genome

T236C A263G 309insC 315insC A750G A1438G C3333T A4769G A8860G A11800G
A15326G A16293G T16519C

46. HM000002 - Homo sapiens hg H1 mitochondrion, complete genome

A263G 309insC 315insC 522delC 523delA A750G A1438G G3010A A4769G A8860G
G15314A A15326G A15924G T16311C T16519C

47. GU981676 - Homo sapiens hg H1 mitochondrion, complete genome

A263G 315insC A750G A1438G G3010A A4769G A8860G T13404C A15326G
C15619T C16148T T16519C

48. GU214208 - Homo sapiens hg H1 mitochondrion, complete genome

A263G 315insC A750G A1438G G1719A G3010A A4769G A8860G C11515A A15326G
C16148T T16519C

49. GU207871 - Homo sapiens hg H1 mitochondrion, complete genome

A263G 315insC A750G A1438G G1719A G3010A A4769G A8860G C11515A A15326G
C16148T T16519C

50. GU181350 - Homo sapiens hg H1 mitochondrion, complete genome

A263G 309insC 315insC A750G A1438G G3010A A4769G A8860G T10609C A11800G
A13485G A15326G C16290T T16519C

51. GQ888707 - Homo sapiens hg H1 mitochondrion, complete genome

A263G 315insC A750G A1438G G3010A A4769G A8860G T9078C A15326G C15646T
T16357C T16519C

52. GQ334714 - Homo sapiens hg H1 mitochondrion, complete genome

A93G T146C 315insC A750G A1438G G3010A A4769G A8860G T11809C G11914A
A15326G C16262T C16278T T16519C

53. GQ175058 - Homo sapiens hg H1 mitochondrion, complete genome

A263G 309insC 315insC A750G A1438G G3010A A4769G G5460A A6272G A8860G
G12940A G14869A A15326G C16218T T16519C

54. GQ150344 - Homo sapiens hg H1 mitochondrion, complete genome

A263G 315insC T460C A750G A1438G G3010A A4769G C5564T G8152A A8701G
A8860G A15326G A15546G G16129A T16519C

55. GQ153528 - Homo sapiens hg H1 mitochondrion, complete genome

A263G 315insC G709A A750G A1438G G3010A A4769G 8276delC 8277delT 8278delC 8279delT 8280delA 8281delC 8282delC 8283delC 8284delC A8860G A15326G C16239T T16519C

56. FJ940865 - Homo sapiens hg H1 mitochondrion, complete genome

T152C A263G 315insC A750G A1438G G3010A A4769G C6237A A8860G G9300A A15326G T16519C

57. FJ917552 - Homo sapiens hg H1 mitochondrion, complete genome

T152C A263G 315insC A750G A1438G G3010A A4769G A8860G T9615C G15323A A15326G T16519C

58. FJ858266 - Homo sapiens hg H1 mitochondrion, complete genome

A263G 315insC A750G G1393A A1438G G3010A A4769G G7337A A8860G T12136C A15326G A15758G T16519C

59. FJ711775 - Homo sapiens hg H1 mitochondrion, complete genome

A263G 309insC 315insC A750G A1438G G3010A T4733C A4769G A8860G C15320T A15326G T16311C T16519C

60. FJ216960 - Homo sapiens hg H1 mitochondrion, complete genome

T146C A263G 315insC A750G A1438G T2887C G3010A A4769G C5206T A8860G G15106A A15326G A15766G T16189C C16290T T16519C

61. EU980593 - Homo sapiens hg H1 mitochondrion, complete genome

T246G A263G 309insC 315insC A750G A1438G G3010A A4769G A6881G T7861C A8860G A15326G A16051G T16519C

62. EU828774 - Homo sapiens hg H1 mitochondrion, complete genome

C150T A263G 309insC 309insC 315insC 522delC 523delA A750G A1438G G3010A A4769G A8860G C13943T A15326G C16248T T16519C

63. EU779660 - Homo sapiens hg H1 mitochondrion, complete genome

A263G 309insC 315insC A750G A1438G T2887C G3010A A4769G C5206T C8062T A8860G A15326G A15766G T16189C C16290T T16519C

64. EU770202 - Homo sapiens hg H1 mitochondrion, complete genome

A263G 315insC A750G A1438G T2887C G3010A A4769G C5206T A8860G A15326G A15766G T16189C C16290T T16519C

65. EU768844 - Homo sapiens hg H1 mitochondrion, complete genome

A263G 315insC A750G A1438G G3010A A4769G C5206T A8860G T14298C A15326G A15766G T16189C C16290T T16519C

66. EU715237 - Homo sapiens hg H1 mitochondrion, complete genome

A263G 315insC 524insA 524insC A750G A1438G G3010A A4769G G5460A A8512G
A8860G C14902T A15326G T16093C T16519C

67. EU675941 - Homo sapiens hg H1 mitochondrion, complete genome

A263G 309insC 309insC 315insC A750G A1438G G3010A A4769G G6722A A8860G
T10370C C15088T A15326G T16519C

68. EU568371 - Homo sapiens hg H1 mitochondrion, complete genome

C151T T152C A263G 315insC A750G A1438G G3010A A4769G C6237A A8860G
G9300A A15326G A16177G T16519C

69. EU372630 - Homo sapiens hg H1 mitochondrion, complete genome

A263G 309insC 309insC 315insC T593G A750G A1438G T2626C G3010A T4733C
A4769G A8860G A10455G A15326G T16189C T16519C

70. EU372628 - Homo sapiens hg H1 mitochondrion, complete genome

A263G 315insC A750G A1438G G3010A A4769G G7762A A8730G A8860G A12172G
A15326G T16189C T16519C

71. EU369376 - Homo sapiens hg H1 mitochondrion, complete genome

A73G A263G 309insC 315insC A750G A1438G G3010A A4769G A8860G A15326G
A16162G T16519C

72. EU262984 - Homo sapiens hg H1 mitochondrion, complete genome

A263G 315insC A750G A1438G G3010A G3316A A4769G G5460A A8860G G14259A
A15326G C16114T T16519C

73. EU233277 - Homo sapiens hg H1 mitochondrion, complete genome

A263G 309insC 309insC 315insC A750G A1438G G3010A C3306T T3826C A4769G
T6776C A8860G A10658R A15326G T16519C

74. EU148452 - Homo sapiens hg H1 mitochondrion, complete genome

A263G 315insC A750G A1438G G3010A G3316A A4769G G5460A A8860G A15326G
C16114T T16519C

75. EU089747 - Homo sapiens hg H1 mitochondrion, complete genome

T146C A263G 309insC 309insC 315insC 524insA 524insC A750G A1438G G2098A
G3010A A4769G A8860G A15326G C15742A A15924G T16468C T16519C

76. EU080974 - Homo sapiens hg H1 mitochondrion, complete genome

A263G 309insC 315insC A750G A1438G G3010A A4769G G8572A A8860G A15326G
T16243C T16519C

77. EU074158 - Homo sapiens hg H1 mitochondrion, complete genome

A263G 315insC A750G A1438G T2746C G3010A A4769G A8860G G13708A C13746T
G15261A A15326G A15924G T16093C T16189C T16368C T16519C

78. **EF526076 - Homo sapiens hg H1 mitochondrion, complete genome**
A263G 309insC 315insC A750G A1438G A2589G G3010A A4769G A8860G A14927G
A15326G A16302G T16519C

79. **EF491001 - Homo sapiens hg H1 mitochondrion, complete genome**
A263G 315insC A750G A1438G G3010A T4733C A4769G T5249C T7678C A8860G
A15326G T16519C

80. **EF376015 - Homo sapiens hg H1 mitochondrion, complete genome**
A263G 315insC A750G A1438G C2272T G3010A A4769G A8860G G10685A A15326G
T16519C

81. **GU797829 - Homo sapiens hg H1a mitochondrion, complete genome**
A73G A263G 309insC 315insC A750G A1438G G3010A A4769G A5747G A8860G
A12361G A15326G A16162G T16519C

82. **EU935845 - Homo sapiens hg H1a mitochondrion, complete genome**
A73G A263G 309insC 315insC A750G A1438G G3010A A4769G C7160T A8860G
C9449T A15326G G16129A A16162G T16519C

83. **EU979418 - Homo sapiens hg H1a mitochondrion, complete genome**
A73G A263G 315insC A750G T1406C A1438G G3010A A4769G A8435G A8860G
A12279G A15326G A16051G A16162G C16266T T16519C

84. **EU747355 - Homo sapiens hg H1a mitochondrion, complete genome**
A73G A263G 315insC A750G A1438G G3010A A4769G A8860G A15326G A16051G
A16162G T16519C

85. **EU555475 - Homo sapiens hg H1a mitochondrion, complete genome**
C256T A263G 315insC A750G A1438G G3010A A4769G G5460A T6365C A8860G
A15326G G16129A T16519C

86. **EU200235 - Homo sapiens hg H1a mitochondrion, complete genome**
A73G A263G 309insC 315insC G545A A750G A1438G G3010A A4769G A8860G
C11257T A15326G A16162G T16263Y T16519C

87. **EU130942 - Homo sapiens hg H1a mitochondrion, complete genome**
A73G A263G 309insC 315insC A750G A1438G G3010A A4769G A8860G A15326G
A16162G C16290G T16519C

88. **EU130562 - Homo sapiens hg H1a mitochondrion, complete genome**
A73G A263G 309insC 315insC A750G A1438G G3010A A4769G A8271T A8860G
T9012C T15071C A15326G A16162G T16519C

89. **EF449507 - Homo sapiens hg H1a mitochondrion, complete genome**

A73G A263G 315insC G709A A750G A1438G G3010A A4769G T6365C A8860G
A15326G A16162G T16209C T16519C

90. FJ188716 - Homo sapiens hg H1a1 mitochondrion, complete genome

A73G A263G 315insC A750G A1438G G3010A A4769G T6365C A8860G C10356T
A15326G A16162G T16209C T16519C

91. EU215517 - Homo sapiens hg H1a1 mitochondrion, complete genome

A73G A263G 315insC A750G A1438G G3010A A4769G T6365C C7331T A8860G
A12248G A15326G A16162G T16209C T16519C

92. EU687746 - Homo sapiens hg H1a2 mitochondrion, complete genome

A73G T152C A263G 315insC A750G A1438G G3010A A4769G A8271T A8860G
A15326G A16162G T16519C

93. GU724771 - Homo sapiens hg H1b mitochondrion, complete genome

A263G 315insC 523delA 523delC A750G A1438G G3010A A3796G A4769G A8860G
G13928C A15326G T16189C T16356C T16362C T16519C

94. GU724771 - Homo sapiens hg H1b mitochondrion, complete genome

A263G 315insC 523delA 523delC A750G A1438G G3010A A3796G A4769G A8860G
G13928C A15326G T16189C T16356C T16362C T16519C

95. FJ801039 - Homo sapiens hg H1b mitochondrion, complete genome

T152C A263G 309insC 309insC 315insC A750G A1438G G3010A A3796G A4769G
A8860G G9947A A15326G T16189C T16356C T16519C

96. FJ156761 - Homo sapiens hg H1b mitochondrion, complete genome

A263G 315insC A750G A1438G G3010A A4769G C8461T A8860G A15326G T16189C
A16240G T16356C C16360T T16519C

97. EU219920 - Homo sapiens hg H1b mitochondrion, complete genome

A263G 315insC 522delC 523delA A750G A1438G G3010A A3796G A4769G A8860G
A15326G T16189C T16356C T16362C T16519C

98. EU200237 - Homo sapiens hg H1b mitochondrion, complete genome

A263G 315insC 522delC 523delA A750G A1438G G3010A A3796G A4769G T6635C
A8860G A15326G T16172C A16183C T16189C T16356C T16362C T16519C

99. GU812902 - Homo sapiens hg H1 mitochondrion, complete genome (H1c)

A263G 309insC 315insC T477C A750G A1438G G3010A A4769G G5979A A8860G
C12123T A15326G

100. FJ798928 - Homo sapiens hg H1c1 mitochondrion, complete genome

A263G 315insC T477C A750G A1438G G3010A A4769G A8860G A9150G A15326G
T16263C T16519C

101. **EU428754 - Homo sapiens hg H1c1 mitochondrion, complete genome**
A263G 315insC T477C A750G A1438G G3010A A4317G A4769G A8860G A9150G
A9194G A15326G T16263C T16519C
102. **GU433215 - Homo sapiens hg H1c mitochondrion, complete genome (H1c3)**
A257G A263G 309insC 309insC 315insC T477C A750G A1438G G3010A A4769G
T8473C A8860G A9254G A15326G 16183delA T16189C 16193insC T16362C T16519C
103. **GU289555 - Homo sapiens hg H1c mitochondrion, complete genome (H1c3)**
A257G A263G 309insC 309insC 315insC T477C A750G A1438G G3010A A4769G
T8473C A8860G A15326G A16183C T16189C T16362C T16519C
104. **GQ332765 - Homo sapiens hg H1c3 mitochondrion, complete genome**
A257G A263G 309insC 309insC 315insC T477C A750G A1438G G3010A A4769G
T8473C A8860G G12795A A15326G A16183C T16189C T16362C T16519C
105. **EU914954 - Homo sapiens hg H1e mitochondrion, complete genome**
A263G 309insC 309insC 315insC A750G A1438G G3010A A4769G G5460A A8512G
A8860G A13434G C14902T A15326G C16111A T16519C
106. **EU714270 - Homo sapiens hg H1e mitochondrion, complete genome**
A263G 309insC 315insC A750G A1438G T2626C G3010A A4769G G5460A A8860G
A15326G A15817G T16519C
107. **GU461664 - Homo sapiens hg H1g mitochondrion, complete genome**
A263G 309insC 309insC 315insC A750G A1438G G3010A A4769G T8602C A8860G
T14212C T14311C A15326G A16183C T16189C T16519C
108. **GQ478575 - Homo sapiens hg H1s mitochondrion, complete genome**
A263G 309insC 309insC 315insC A750G A1438G G3010A A4769G G8572A A8860G
A15326G T16519C
109. **EU716647 - Homo sapiens hg H2 mitochondrion, complete genome**
T152C A263G 309insC 309insC 315insC A6716G T12903C T14311C G16129A
110. **FJ842614 - Homo sapiens hg H2a1 mitochondrion, complete genome**
A263G 309insC 315insC C575T A750G A751G G951A A6339G A8860G A15326G
T16124C C16354T
111. **FJ800808 - Homo sapiens hg H2a1 mitochondrion, complete genome**
A73G A263G 309insC 315insC A750G G951A A4769G G6260A A8679G A8860G
A15326G C16354T
112. **FJ668389 - Homo sapiens hg H2a1 mitochondrion, complete genome**

A263G 309insC 309insC 315insC A750G G951A C6173T A8860G T13095C A15326G
T15932C T16157C T16209C C16354T T16519C

113. **FJ496869 - Homo sapiens hg H2a1 mitochondrion, complete genome**

A263G 315insC A750G G951A A8860G G9145A G11914A A15326G C16354T

114. **FJ238053 - Homo sapiens hg H2a1 mitochondrion, complete genome**

A263G 315insC A750G G951A A8860G A15326G C16354T

115. **FJ161702 - Homo sapiens hg H2a1 mitochondrion, complete genome**

A263G 309insC 309insC 315insC A750G G951A A4769G G6260A A8679G A8860G
A15326G C16354T

116. **EU780223 - Homo sapiens hg H2a1 mitochondrion, complete genome**

T146C A263G 309insC 315insC A750G G951A G4659A A8084G A8860G A15326G
C16354T

117. **EU233278 - Homo sapiens hg H2a1 mitochondrion, complete genome**

T72G A263G 309insC 309insC 315insC A750G G951A A2195G A3395C A5978G
A8860G A13395G A15326G C16256T C16354T

118. **EU795361 - Homo sapiens hg H2a2 mitochondrion, complete genome**

315insC G15314A T16195C

119. **EU714299 - Homo sapiens hg H2a2 mitochondrion, complete genome**

T152C 309insC 309insC 315insC G16129A

120. **EU444119 - Homo sapiens hg H2a2 mitochondrion, complete genome**

T146C A263G 309insC 309insC 315insC T8634C A8860G A15326G A16235G C16291T

121. **EU330412 - Homo sapiens hg H2a2 mitochondrion, complete genome**

A9299G A12366G

122. **EU284181 - Homo sapiens hg H2a2 mitochondrion, complete genome**

309insC 309insC 315insC A10446G T14470C C16270T

123. **EU157923 - Homo sapiens hg H2a2 mitochondrion, complete genome**

A189G 309insC 315insC G15314A C16259T T16519C

124. **EU130575 - Homo sapiens hg H2a2 mitochondrion, complete genome**

315insC

125. **EF418606 - Homo sapiens hg H2a2 mitochondrion, complete genome**

A263G 309insC 315insC C3388A A8860G A15326G A16235G C16291T A16293G
C16400T

126. **EU719115 - Homo sapiens hg H2a2b1 mitochondrion, complete genome**
A263G 309insC 309insC 315insC 524insA 524insC G7853A A8860G A15326G
A16235G C16291T
127. **EU443605 - Homo sapiens hg H2a2b1 mitochondrion, complete genome**
A73R A263G 309insC 315insC G3882A G5460A A8860G C13749T A15326G A16235G
C16291T
128. **HM003111 - Homo sapiens hg H3 mitochondrion, complete genome**
A263G 315insC A750G G3915A A4769G 5899insC T6776C A8860G T12811C C13967T
A15326G T16172C T16311C T16519C
129. **GU997629 - Homo sapiens hg H3 mitochondrion, complete genome**
A263G 309insC 315insC T408A A750G A1438G A4769G T6776C A8860G A15326G
T16093C T16519C
130. **GQ165466 - Homo sapiens hg H3 mitochondrion, complete genome**
T152C A263G 315insC A750G A1438G A4769G C5213T C5893T T6776C A8860G
A15326G T16519C
131. **FJ434454 - Homo sapiens hg H3 mitochondrion, complete genome**
C150T A248G A263G 315insC A750G A1438G A4769G T6776C A8860G A15326G
132. **FJ349555 - Homo sapiens hg H3 mitochondrion, complete genome**
T146C T217C A263G 315insC A750G A1438G A4769G T6776C A8860G T11944C
T12811C C13713T T13743C A15326G T16311C T16519C
133. **EU150187 - Homo sapiens hg H3 mitochondrion, complete genome**
A93G A263G 315insC A750G A1438G T3197C A4769G T6776C A8860G A11893G
A15326G T15412C T16093C T16519C
134. **FJ794693 - Homo sapiens hg H3c mitochondrion, complete genome**
A189G A263G 309insC 315insC A750G A1438G A1536G C3969T A4769G A5153G
T6776C A8860G T12957C A15326G C16260T T16519C
135. **EU636711 - Homo sapiens hg H4a mitochondrion, complete genome**
A263G 315insC 522delC 523delA A750G A1438G C3992T A4024G A4769G T5004C
G8269A A8860G G9123A T10124C T11875C G13708A C14365T A14582G T14956C
A15326G
136. **EU200347 - Homo sapiens hg H4a mitochondrion, complete genome**
A73G A263G 309insC 315insC 522delC 523delA A750G A1438G C3992T A4024G
A4769G T5004C G8269A A8860G G9123A T10007C
137. **EU051827 - Homo sapiens hg H4a mitochondrion, complete genome**

T152C A263G 309insC 315insC 522delC 523delA A750G A1027G A1438G C3992T
A4024G A4769G T5004C A7894G G8269A A8860G T10034C A10044G C14365T
A14582G A15326G G9123A C14365T A14582G A15326G T16209C

138. EF609015 - Homo sapiens hg H4a mitochondrion, complete genome

A73G A263G 315insC 522delC 523delA A750G A1438G A1656G C3992T A4024G
A4769G T5004C G8269A A8860G G9123A T10007C T10034C A10044G G11440A
C14365T A14582G A15326G C16184T

139. EU664586 - Homo sapiens hg H4a1 mitochondrion, complete genome

T195C A263G 315insC 522delC 523delA A750G A1438G C3992T A4024G A4769G
T5004C G8269A C8583T A8860G G9123A A12642G C14365T G14569A A14582G
A15326G G15884A

140. EU721733 - Homo sapiens hg H4a1a mitochondrion, complete genome

A73G T146C A263G 315insC 522delC 523delA A750G A1438G C3992T A4024G
A4769G T5004C G8269A A8860G G9123A A10044G C14365T A14582G A15244G
A15326G C16287T

141. EU719211 - Homo sapiens hg H4a1a mitochondrion, complete genome

A73G T146C A263G 315insC 522delC 523delA A750G A1438G C3992T A4024G
A4769G T5004C G8269A A8860G G9123A A10044G C14365T A14582G A15244G
A15326G C16287T

142. FJ794473 - Homo sapiens hg H5 mitochondrion, complete genome

T146C T195C A263G 309insC 315insC C456T A750G A1438G A4769G G5471A
A8860G A14497G A15326G T16304C

143. EU677750 - Homo sapiens hg H5 mitochondrion, complete genome

A263G 315insC C456T 524insA 524insC 524insA 524insC A750G A1438G A2124G
A4769G A8343G A8860G T12376A G12771A A13434G A15326G C16294T T16304C

144. EF420250 - Homo sapiens hg H5 mitochondrion, complete genome

A263G 309insC 309insC 315insC C456T A750G A1438G A4769G A8860G G9145A
A15326G G15930A T16304C T16519C

145. EF418607 - Homo sapiens hg H5a mitochondrion, complete genome (H5a1)

A73G A263G 315insC C456T 522delC 523delA A750G A1438G T4336C A4769G
T7691C A8860G A15326G C15833T T16304C

146. GQ334692 - Homo sapiens hg H5a1 mitochondrion, complete genome

T152C A263G 315insC C456T 522delC 523delA A750G A1438G T4336C A4769G
A8860G A15326G C15833T T16304C

147. FJ966912 - Homo sapiens hg H5a1 mitochondrion, complete genome

A263G 315insC C456T 522delC 523delA A750G A1438G T4336C A4769G A8860G
A15326G A15638T C15833T T16093C T16304C

148. **EU372627 - Homo sapiens hg H5a1 mitochondrion, complete genome**

A263G 309insC 309insC 315insC C456T A750G A1438G T4336C A4769G A8860G
A15326G C15833T T16209C T16304C T16519C

149. **EU294323 - Homo sapiens hg H5a1 mitochondrion, complete genome**

T152C A263G 315insC A444G C456T 522delC 523delA A750G A1438G T4336C
A4769G A8860G G9804A A15326G C15833T T16172C T16304C T16311C

150. **FJ652065 - Homo sapiens hg H6* mitochondrion, complete genome**

T239C A263G 315insC A750G A1438G A4769G C6869T A8860G G9804A G10373A
A15326G T16362C A16482G

151. **EU919746 - Homo sapiens hg H6a1 mitochondrion, complete genome**

T195C T239C A263G 309insC 309insC 315insC A750G A1438G G3915A A4727G
A4769G A8860G A9254G G9380A G10589A A15326G T16362C A16482G

152. **EU256375 - Homo sapiens hg H6a1 mitochondrion, complete genome**

T204C T239C A263G 309insC 309insC 315insC 524insA 524insC A750G A1438G
G3915A A4727G A4769G A8860G G9380A T10463C G10589A T13768C A15326G
C16193T A16219G T16362C A16482G

153. **EU154342 - Homo sapiens hg H6a1 mitochondrion, complete genome**

T239C A263G 309insC 315insC A750G A1438G G3915A A4727G A4769G A8860G
A9254G G9380A G10589A G14016A A15326G A16066G T16362C A16482G

154. **GU390313 - Homo sapiens hg H6a1a mitochondrion, complete genome**

T239C A263G 309insC 309insC 315insC 524insA 524insC G748A A750G A1438G
T2010C G3915A T4216Y A4727G A4769G T4947C A8860G G9380A C10936T
T11253C A15326G T16362C A16482G

155. **GU004258 - Homo sapiens hg H6a1a mitochondrion, complete genome**

T152C T239C A263G 315insC A750G A1438G G3915A A4727G A4769G A8860G
G9380A T11253C A15326G T16362C A16482G

156. **FJ713600 - Homo sapiens hg H6a1a mitochondrion, complete genome**

T239C A263G 309insC 309insC 315insC A750G A1438G G3915A A4727G A4769G
T8047C A8860G G9380A T11253C A15326G T16362C A16482G

157. **GQ168843 - Homo sapiens hg H6a1b2 mitochondrion, complete genome**

T239C A263G 309insC 309insC 315insC A750G A1438G T3398C G3915A A4727G
A4769G A8860G A9254G G9380A T9478C G10589A A15326G T16362C A16482G

158. **EF581833 - Homo sapiens hg H7 mitochondrion, complete genome**

A263G 315insC A750G A1438G T3335C A4769G A4793G C5348T A8860G A15326G T16519C

159. **EF408656 - Homo sapiens hg H7 mitochondrion, complete genome**

A263G 315insC T593C A750G A1438G A4769G A4793G A8860G T14180C A15326G T16519C

160. **EU151553 - Homo sapiens hg H7* mitochondrion, complete genome**

A263G 315insC A750G A1438G A4769G A4793G A8860G A15326G T16519C

161. **GQ422375 - Homo sapiens hg H7c mitochondrion, complete genome**

A263G 309insC 315insC A750G A1438G A4769G A4793G C6296A A8860G A10978G A11020G T11992C A13105G A15326G T16519C

162. **GU984044 - Homo sapiens hg H10 mitochondrion, complete genome**

A73G A263G 309insC 315insC G709A A750G A1438G G1888A T3645C A4769G G6734A A8860G T14470A T15287C A15326G G16042A T16243C T16519C

163. **GU569076 - Homo sapiens hg H10 mitochondrion, complete genome**

A263G 309insC 315insC A750G A1438G A4769G A8860G T14470A A14602G A15326G T16093Y C16221T T16519C

164. **EU156036 - Homo sapiens hg H10 mitochondrion, complete genome**

A263G 309insC 309insC 315insC 524insA 524insC A750G A1438G A1692G A3810G A4769G A8860G T14470A A15326G T16519C

165. **EU073971 - Homo sapiens hg H10 mitochondrion, complete genome**

A263G 309insC 309insC 315insC A750G A1438G T4216C A4769G A8860G G13711A T14470A A14548G A15326G C16114T T16519C

166. **EF491002 - Homo sapiens hg H10 mitochondrion, complete genome**

A263G 309insC 315insC A750G A1438G T4216C A4769G A8704G A8860G T14470A A15326G T16519C

167. **GU945760 - Homo sapiens hg H11 mitochondrion, complete genome (H11a)**

T195C A263G 309insC 309insC 315insC 524insA 524insC A750G T961G A1438G A4769G T5162C T8448C A8860G G13759A A15326G A16220G A16293G T16311C

168. **GU949563 - Homo sapiens hg H11 mitochondrion, complete genome (H11a2)**

T195C A263G 309insC 315insC A750G T961G A1438G A4769G T8448C A8860G G13759A A14587G A15326G T16092C C16261T A16293G T16311C T16519C

169. **FJ705060 - Homo sapiens hg H11a mitochondrion, complete genome (H11a2)**

T195C A263G 315insC A750G T961G A1438G A3447G A4769G T8448C G8557A A8860G C9521T G13759A A14587G A15326G T16092C T16140C A16293G T16311C C16380T

170. **FJ560912 - Homo sapiens hg H11a1 mitochondrion, complete genome (H11a2)**
T195C A263G 309insC 315insC A750G T961G A1438G A3145G A4769G T8448C
A8860G A9204G G13759A A14587G A15326G T16092C T16140C T16311C
171. **EU052289 - Homo sapiens hg H13 mitochondrion, complete genome**
A200G A263G 315insC 522delC 523delA A750G A1438G T2887Y C4107T A4769G
A8860G T11485C T13620C C14872T A15326G C16261T T16519C
172. **FJ560455 - Homo sapiens hg H13a1 mitochondrion, complete genome**
A263G 309insC 315insC A750G A1438G C2259T A4745G A4769G A6716G A8381G
A8860G C13680T C14872T A15326G
173. **EU370982 - Homo sapiens hg H13a1 mitochondrion, complete genome**
A263G 309insC 309insC 315insC A385G A750G A1438G C2259T A4745G A4769G
A8860G C9449T C11563T A13542G C13680T C14872T A15326G A15712G C16278T
T16311C T16519C
174. **GU945543 - Homo sapiens hg H13a1a1 mitochondrion, complete genome (H13a1a1a)**
A263G 309insC 315insC A750G A1438G C2259T A4745G A4769G A7125G G7337A
A8860G T13326C C13680T A14053G C14872T A15326G
175. **GQ478574 - Homo sapiens hg H13a1a1a mitochondrion, complete genome**
A263G 309insC 315insC A750G A1438G C2259T A4745G A4769G G7337A A8860G
T13326C C13680T C14872T A15326G C16188T T16311C T16519C
176. **GU228506 - Homo sapiens hg H13b mitochondrion, complete genome**
T152C A200G A263G 309insC 315insC A750G A1438G C4107T A4769G A8860G
T11485C T12015C A13327G T14757C C14872T A15326G C16261T T16362C T16519C
177. **GQ272387 - Homo sapiens hg H16 mitochondrion, complete genome**
A263G 309insC 315insC A750G A1438G A4769G A6891G A8860G C9129T C10394T
A15326G T16519C
178. **EU715287 - Homo sapiens hg H16 mitochondrion, complete genome**
A263G 315insC A750G A1438G A4769G A8860G C9129T C10394T A15326G
T16136C C16295T T16519C
179. **EU170619 - Homo sapiens hg H16 mitochondrion, complete genome**
T152C A263G 315insC A750G A1438G A4769G G8592A A8860G C10394T A15326G
T16519C
180. **EF609012 - Homo sapiens hg H16 mitochondrion, complete genome**
T152C A263G 309insC 309insC 315insC A750G A1438G A4769G T6071C A8860G
C10394T A15326G T16519C

181. **GU198193 - Homo sapiens hg H27 mitochondrion, complete genome**
A263G 315insC A750G A1438G A4769G G5460A A8860G G11719A A15326G
G16129A A16316G T16519C
182. **GU372881 - Homo sapiens hg H31 mitochondrion, complete genome**
T146C T195C A263G 315insC A750G G1007A A1438G A4769G A7930T A8860G
A10771G A15326G C16294T T16519C
183. **HM008695 - Homo sapiens hg HV* mitochondrion, complete genome**
A263G 309insC 315insC A750G A1438G A2706G A4769G C7028T 8289insC 8289insC
8289insC 8289insC 8289insC 8289insT 8289insC 8289insT 8289insA A8860G C13449T
A15326G T16311C
184. **GQ228844 - Homo sapiens hg HV mitochondrion, complete genome**
A263G 315insC A750G A1438G A1692G A2706G A4769G C7028T A8860G A15326G
T16311C
185. **EF471977 - Homo sapiens hg HV0 mitochondrion, complete genome**
T72C T195C A263G 309insC 315insC A750G A1438G A2706G C2779T A4769G
T6413C C7028T A8860G G12164A A15326G T16298C
186. **EF649971 - Homo sapiens hg HV0 mitochondrion, complete genome (HV0a)**
T72C A200G A263G 315insC 522delC 523delA A750G A1438G A2706G T3200C
A4769G C7028T A8860G C10196T A15326G C15904T T16126C T16298C G16346C
187. **FJ210914 - Homo sapiens hg HV1 mitochondrion, complete genome (HV1a1)**
C150T A263G 309insC 315insC A750G A1438G A2706G A4769G T4823C G6150A
C6935T C7028T G7379A A8014T T8277C A8860G A15218G A15326G G15927A
C16067T C16355T
188. **FJ210876 - Homo sapiens hg HV1 mitochondrion, complete genome (HV1b2)**
T152C A263G 309insC 309insC 315insC A750G A1438G A2706G A3547G A4769G
G6023A C7028T A8014T A8860G T12696C A15218G A15326G C16067T A16183C
T16189C T16519C
189. **EF421157 - Homo sapiens hg HV1 mitochondrion, complete genome (HV1b2)**
T152C A263G 309insC 309insC 315insC A750G A1438G A2706G A3547G A4769G
G6023A C7028T A8014T A8860G T12696C A15218G A15326G C16067T A16183C
T16189C T16519C
190. **EF396958 - Homo sapiens hg HV1 mitochondrion, complete genome (HV1b2)**
T152C A263G 309insC 309insC 315insC A750G A1438G A2706G A3547G A4769G
G6023A C7028T A8014T A8860G T12696C A13434G A15218G A15326G C16067T
A16183C T16189C T16519C

191. **DQ856316 - Homo sapiens hg HV1 mitochondrion, complete genome (HV1b2)**
T152C A263G 309insC 309insC 315insC A750G A1438G A2706G A3547G A4769G
G6023A C7028T A8014T A8860G T12696C A15218G A15326G C16067T A16183C
T16189C T16519C

192. **EF417833 - Homo sapiens hg HV* mitochondrion, complete genome (HV4)**
A263G 315insC A750G A1438G A2706G A4769G C7028T T7094C A8860G A9355G
A15326G

193. **EU558385 - Homo sapiens hg HV5 mitochondrion, complete genome**
A263G 315insC A750G A1438G A2706G A4769G C7028T A8860G C12133T A13105G
G14259A A15326G

194. **EF419890 - Homo sapiens hg HV5 mitochondrion, complete genome**
A263G 309insC 315insC A750G A1438G A2706G A4769G C7028T A8860G C12133T
A13105G A15326G

195. **DQ377992 - Homo sapiens hg HV5 mitochondrion, complete genome**
A263G 315insC A750G A1438G A2706G A3397G A4769G C7028T A8860G C12133T
A13105G A15326G

196. **FJ430150 - Homo sapiens hg HV9 mitochondrion, complete genome (HV9a)**
T131C T152C T195C A263G 309insC 309insC 315insC A750G G930A A1438G
A2706G A4769G A5480G C7028T A8860G G8994A G9947A C11257T T14182G
A15326G T16311C

197. **EU869314 - Homo sapiens hg I mitochondrion, complete genome**
A73G T152C T199C T204C G207A T239C T250C A263G 309insC 315insC 524insA
524insC 524insA 524insC 524insA 524insC 524insA 524insC 573insC 573insC A750G
A1438G G1719A A2706G A4529T A4769G C7028T G8251A A8860G T10034C
T10238C A10398G G11719A G12501A C12705T A13780G C14766T G15043A
A15326G A15924G A16051G T16086C G16129A C16223T G16391A T16519C

198. **EU746658 - Homo sapiens hg I mitochondrion, complete genome**
A73G T152C T199C T204C G207A T239C T250C A263G 309insC 315insC 524insA
524insC 524insA 524insC 573insC 573insC A750G A1438G G1719A A2706G A4529T
A4769G C7028T G8251A A8860G T10034C T10238C A10398G G11719A G12501A
C12705T A13780G C14766T G15043A A15326G A15924G T16086C G16129A
C16223T C16287T G16319A G16391A T16519C

199. **EU694173 - Homo sapiens hg I mitochondrion, complete genome**
A73G G185C T199C T204C G207A T250C A263G 315insC 455insT 573insC 573insC
A750G A1438G G1719A A2706G A3447G A4529T A4769G C7028T G8251A T8260C
G8616T A8860G G9966A T10034C T10238C A10398G G11719A G12501A C12705T
A13780G C14766T G15043A A15326G A15924G G16129A T16172C C16223T
T16311C G16391A

200. EU091245 - Homo sapiens hg I mitochondrion, complete genome

A73G T199C T204C T250C A263G 315insC 522delC 523delA 573insC 573insC A750G
A1438G G1719A A2706G A4529T A4769G C7028T G8251A G8519A A8860G T10034C
T10238C A10398G A10819G G11719A G12501A C12705T A13780G C14766T G15043A
A15326G A15924G G16129A C16192T C16223T G16391A T16519C

201. FJ234984 - Homo sapiens hg I1 mitochondrion, complete genome

A73G T152C T199C T250C A263G 309insC 315insC 455insT A750G A1438G G1719A
T2222C A2706G A4529T A4769G T6227C C6230T G6734A C7028T G8251A A8860G
G9966A T10034C T10238C A10398G T11305C G11719A G12501A C12705T A13780G
C13890T C14766T G15043A A15326G T15514C A15924G G16129A C16223T T16311C
G16391A T16519C

202. EU564849 - Homo sapiens hg I1 mitochondrion, complete genome

A73G T152C T199C T204C G207A A263G 309insC 315insC 455insT 573insC 573insC
A750G A1438G G1719A A2706G A4529T A4769G G6267A A6359G G6734A C7028T
G8251A G8573A A8860G T9386C T9845C G9966A T10034C T10238C A10398G
G11719A G12501A C12705T A13780G C14766T G15043A A15326G A15924G
T15940C G16129A C16223T C16264T C16270T T16311C G16319A T16362C G16391A
T16519C

203. FJ968796 - Homo sapiens hg I1b mitochondrion, complete genome

A73G T199C T204C T250C A263G 309insC 315insC 455insT 573insC 573insC A750G
A1438G G1719A A2706G A4529T G4560A A4769G T6227C G6734A C7028T G8251A
A8860G T9286C G9966A T10034C T10238C A10398G G11719A G12501A G12684A
C12705T A13780G C14766T G15043A A15326G A15924G C16223T T16311C
G16391A T16519C

204. GU294854 - Homo sapiens hg I2 mitochondrion, complete genome

A73G T152C T199C T204C G207A T250C A263G 315insC 573insC 573insC A750G
A1438G G1719A A2706G T4418C A4529T A4769G C7028T G8251A A8860G
T10034C T10238C A10398G G11719A G12501A C12705T A13780G C14766T
G15043A A15326G A15758G A15924G G16129A C16223T G16391A T16519C

205. FJ911909 - Homo sapiens hg I2 mitochondrion, complete genome

A73G T152C T199C T204C G207A T250C A263G 309insC 309insC 315insC 573insC
573insC A750G A1438G G1719A A2706G A4529T G4532A A4769G C7028T G8251A
A8860G T10034C T10238C A10398G G11719A G12501A C12705T A13780G C14766T
G15043A A15326G A15758G A15924G G16129A C16223T G16391A T16519C

206. EU570217 - Homo sapiens hg I2 mitochondrion, complete genome

A73G T152C T199C T204C G207A T250C A263G 309insC 315insC 573insC 573insC
A750G A1438G G1719A A2706G A4529T A4769G C7028T G8251A A8860G T10034C
T10238C A10398G G11719A G12501A C12705T A13780G C14766T G15043A
A15326G A15758G A15924G G16129A C16223T G16391A

207. GU590993 - Homo sapiens hg I3 mitochondrion, complete genome

A73G T152C T199C T204C G207A T239C T250C A263G 309insC 315insC 524insA
524insC 524insA 524insC 573insC 573insC A750G A1438G G1719A A2706G A4529T
A4769G C7028T G8251A A8860G T10034C T10238C A10398G G11719A G12501A
C12705T G13194A A13780G C14766T G15043A A15326G A15924G G16129A
C16223T G16391A T16491C C16494T A16497G T16519C

208. EU284668 - Homo sapiens hg J1 mitochondrion, complete genome

A73G G185A A189G G228A A263G C295T 309insC 315insC C462T T489C A750G
T789C A1438G A2706G G3010A T4216C A4769G C7028T A8860G A10398G
A11251G G11719A A12612G G13708A C14766T T14798C A15326G C15452A
C16069T T16126C C16261T

209. EU155191 - Homo sapiens hg J1 mitochondrion, complete genome

A73G G185A A188G A263G C295T 315insC C462T T489C A750G G930A A1438G
A2706G G3010A T4216C A4769G C7028T A8860G A10398G A10876G A11251G
G11719A A12612G G13708A A13827G C14766T T14798C A15326G C15452A
C16069T T16126C T16519C

210. EU073970 - Homo sapiens hg J1 mitochondrion, complete genome

A73G G185A G228A A263G C295T 315insC C462T T489C A750G A1438G A2706G
A2969G G3010A T3398C C4025T T4216C A4769G C7028T A8860G A10398G
T10410C A11251G G11719A G12561A A12612G G13708A C14766T T14798C
A15326G C15452A A15814G C15913T C16069T T16126C T16519C

211. EF459669 - Homo sapiens hg J1 mitochondrion, complete genome

A73G A263G C295T 309insC 315insC C462T T489C A750G A1438G A2706G G3010A
T4216C A4769G C7028T A8860G A10398G A11251G G11719A A12612G G13708A
C14766T T14798C A15326G C15452A C16069T T16126C C16261T

212. EF452293 - Homo sapiens hg J1 mitochondrion, complete genome

A73G G185A G228A A263G C295T 315insC C462T T482C T489C A750G A1438G
A2706G G3010A T3394C T4216C A4769G A5411G G5773A C7028T A7184G A8860G
A10398G A11251G G11719A A12612G G13368A G13708A T14200C C14766T T14798C
A15326G C15452A C16069T T16126C T16271C

213. DQ787109 - Homo sapiens hg J1 mitochondrion, complete genome

A73G G185A A188G G228A A263G C295T 309insC 315insC C462T T489C A750G
A1438G A2706G G3010A T4216C A4769G T6293C G6915A C7028T A8860G A10398G
A11251G G11719A A12612G G13708A C14766T T14798C A15326G C15452A C16069T
T16126C T16136C C16256T T16519C

214. FJ213450 - Homo sapiens hg J1b1a1 mitochondrion, complete genome

A73G C242T A263G C295T 309insC 315insC C462T T489C A750G A1438G T2158C
A2706G G3010A T4216C A4769G G5460A C5463T T6911C C7028T G8269A G8557A

A8860G A10398G A11251G G11719A G12007A A12612G G13708A T13879C C14766T
A15326G C15452A C16069T T16126C G16145A T16172C C16192T C16222T C16261T

215. GU390312 - Homo sapiens hg J1b2 mitochondrion, complete genome

A73G A263G C295T 315insC C462T T489C A750G A1438G C1733T A2706G G3010A
T4216C A4769G T6719C C7028T G8269A A8860G A10398G A11251G G11719A
A12612G G13708A C14766T A14927G A15326G C15452A C16069T T16126C G16145A
C16222T C16261T

216. FJ624455 - Homo sapiens hg J1b2 mitochondrion, complete genome

A73G A263G C271T C295T 315insC C462T T489C 522delC 523delA A750G A1438G
A2706G G3010A T4216C A4769G G5460A C7028T T7270C G8269A A8860G
T10245C A10398G T10410A A11251G G11719A A12612G G13708A T13879C
C14766T A15326G C15452A C16069T T16126C G16145A C16261T T16311C T16519C

217. FJ603099 - Homo sapiens hg J1c mitochondrion, complete genome

A73G G185A A263G C295T 315insC C462T T489C A750G A1438G T1766C A2706G
G3010A T4216C A4769G C7028T A8860G A10398G A11251G G11719A A12358G
A12612G G13708A C13934T C14766T T14798C A15326G C15452A C16069T T16126C
T16311C

218. FJ538285 - Homo sapiens hg J1c mitochondrion, complete genome

A73G G185A T195C G228A A263G C295T 309insC 315insC C462T T489C A750G
A1438G A2706G G3010A A3663G T4216C A4769G C7028T A8860G A9632G
A10398G A11251G G11719A T12083G A12612G G13708A C14766T T14798C
A15326G C15452A C16069T T16126C

219. FJ499472 - Homo sapiens hg J1c mitochondrion, complete genome

A73G C150T G185A A188G G228A A263G C295T 315insC C462T T489C 522delC
523delA A750G A1438G A2706G G3010A T4216C A4769G T6620C C7028T A8860G
T8868C A10398G A11251G G11719A A12612G G13708A C14766T T14798C A15326G
C15452A C16069T T16126C T16519C

220. FJ499471 - Homo sapiens hg J1c mitochondrion, complete genome

A73G C114T G185A A188G G228A A263G C295T 315insC C462T T489C A750G
A1438G A2706G G3010A T4216C A4769G C7028T A7364G A8860G A10398G
G11016A A11251G G11719A A12612G G13708A C14766T T14798C A15326G
C15452A C16069T T16126C T16519C

221. FJ449571 - Homo sapiens hg J1c mitochondrion, complete genome

A73G T146C G185A A188G C222T G228A A263G C295T 309insC 315insC C462T
T489C A750G A1438G A2706G G3010A T4216C A4769G C7028T A8860G A10398G
G10685A A11251G G11719A A12612G T13281C G13708A A13933G C14766T
T14798C A15326G C15452A C16069T T16126C T16519C

222. FJ190383 - Homo sapiens hg J1c mitochondrion, complete genome

A73G G185A A188G G228A A263G C295T 315insC C462T T489C 522delC 523delA
A750G A1438G A2706G G3010A T4216C A4769G C7028T A8860G A10398G
A11002G A11251G G11719A A12612G A13032G G13708A T14325C C14766T
T14798C A15326G C15452A C16069T T16126C C16186T T16519C

223. **EU547187 - Homo sapiens hg J1c mitochondrion, complete genome**

A73G A263G C295T 309insC 315insC C462T T489C A750G A1438G A2706G G3010A
T4216C A4769G C7028T A8860G A10398G A11251G G11719A A12612G G13708A
C14766T T14798C A15326G C15452A C16069T T16126C C16261T

224. **FJ502349 - Homo sapiens hg J1c1 mitochondrion, complete genome**

A73G G185A G228A A234G A263G C295T 309insC 315insC C462T T482C T489C
522delC 523delA A750G A1438G A2706G G3010A T3394C T4216C A4769G G5773A
C7028T A7184G A8860G A10398G T10463C A11251G G11719A A12612G G13708A
C14766T T14798C A15326G C15452A C16069T T16126C A16235G T16519C

225. **FJ447985 - Homo sapiens hg J1c1 mitochondrion, complete genome**

A73G G228A A263G C295T 315insC C462T T482C T489C A750G A1438G A2706G
G3010A T3394C G3705A T4216C A4769G C7028T A8860G A9635C A10398G
A11251G C11623T G11719A A12612G G13708A T13899C C14766T T14798C
A15326G C15452A C16069T T16126C

226. **GU949564 - Homo sapiens hg J1c2c mitochondrion, complete genome**

A73G T146C G185A A188G G228A A263G C295T 315insC C462T T489C A750G
A1438G A2706G G3010A T4216C A4769G C7028T A8860G A10398G G10685A
A11251G G11719A A12612G T13281C G13708A A13933G C14766T T14798C
A15326G C15452A C16069T T16126C G16213A T16519C

227. **EU573192 - Homo sapiens hg J1c2c mitochondrion, complete genome**

A73G T146C G185A A188G G228A A263G C295T 309insC 315insC C462T T489C
524insA 524insC A750G A1438G A2706G G3010A T4216C A4769G C7028T A8860G
G8865A A10398G G10685A A11251G G11719A A12612G T13281C G13708A
A13933G C14766T T14798C A15326G C15452A C16069T T16126C T16519C

228. **FJ445407 - Homo sapiens hg J1c3 mitochondrion, complete genome**

A73G G185A A263G C295T 315insC C462T T489C A750G A1438G A2706G G3010A
T4216C A4769G G5237A G6261A C7028T A8860G A10398G A11251G G11719A
A12612G G13708A C13934T C14766T T14798C A15326G C15367T C15452A C16069T
T16126C T16519C

229. **GU808335 - Homo sapiens hg J1c4 mitochondrion, complete genome**

A73G G185A G228A A263G C295T 315insC C462T T489C A750G A1438G A2706G
G3010A T4216C A4769G C7028T G7853A A8860G A9120G A9632G T9701C
A10398G A11251G G11719A T12083G A12612G G13708A C14766T T14798C
A15326G C15452A C16069T T16126C

230. GU906781 - Homo sapiens hg J1c8 mitochondrion, complete genome

A73G G185A G228A A263G C295T 309insC 315insC C462T T489C A750G A1438G
A2706G G3010A T4216C A4769G C7028T A8860G T10084C A11251G G11719A
A12612G G13708A C14766T T14798C C15315Y A15326G C15452A C16069T T16126C
A16265C G16319A

231. FJ445409 - Homo sapiens hg J2 mitochondrion, complete genome

A73G C150T T152C A263G C295T 315insC T489C A750G A1438G A2706G T4216C
G4655A A4769G C5633T C7028T C7476T A8860G G10172A A10398G A11251G
G11719A C12239T A12612G C13683T G13708A C14766T A14769G G15257A
A15326G C15452A G15812A C16069T T16126C C16193T C16261T

232. EU673448 - Homo sapiens hg J2 mitochondrion, complete genome

A73G C150T T152C A263G C295T 309insC 315insC T489C A750G A1438G A2706G
T4216C A4769G C5633T C7028T C7476T A8860G G10172A A10398G A11084G
A11251G G11719A A12612G G13708A C14766T G15257A A15326G C15452A
G15812A C16069T T16126C C16193T C16278T

233. FJ605154 - Homo sapiens hg J2a mitochondrion, complete genome

A73G C150T T152C T195C A215G A263G C295T 315insC T319C T489C G513A
524insA 524insC A750G A1438G A2706G T4216C A4769G C7028T C7476T G7789A
A8860G A10398G A10499G A11251G G11377A G11518A G11719A A12612G
G13708A A13722G A14133G C14766T A14793G G15257A A15326G C15452A
C16069T T16126C G16145A T16231C C16261T

234. FJ194438 - Homo sapiens hg J2a mitochondrion, complete genome

A73G C150T T152C T195C A215G A263G C295T 310insT 310insC 310insC T319C
T489C G513A A750G A1438G T1850C A2706G A3447G T4216C A4769G C7028T
C7476T G7789A A8860G A10398G A10499G A11251G G11377A G11719A A12612G
G13708A A13722G A14133G C14766T G15257A A15326G C15452A C16069T
T16126C G16145A T16231C C16261T

235. EU721734 - Homo sapiens hg J2a mitochondrion, complete genome

A73G C150T T152C T195C A215G A263G C295T 310insT 310insC T319C T489C
G513A A750G A1438G T1850C A2706G A3447G T4216C A4769G C7028T C7476T
G7789A A8860G A10398G A10499G A11251G G11377A G11719A A12612G G13708A
A13722G A14133G C14766T G15257A A15326G C15452A C16069T T16126C
G16145A T16209C T16231C C16261T T16311C

236. EU931680 - Homo sapiens hg J2a1 mitochondrion, complete genome

A73G C150T T152C T195C A263G C295T 309insC 315insC T319C T489C G513A
G709A A750G A1438G A2706G T4216C A4769G C7028T T7051C C7476T G7789A
G8857A A8860G A10398G A10499G A11251G G11377A G11719A A12612G G13708A
A13722G A14133G C14766T G15257A A15326G C15452A A15848G C16069T
T16126C G16145A T16231C C16261T T16519C

237. **GU903270 - Homo sapiens hg J2a1a1 mitochondrion, complete genome**
A73G C150T T152C T195C A215G A263G C295T 310insT 315insC T319C T489C
G513A A750G A1438G T1850C A2706G T4216C A4769G C7028T C7476T G7789A
A8860G A10398G A10499G A11251G G11377A G11719A A12612G G13708A
A13722G A14133G C14766T G15257A A15326G C15452A C16069T T16126C
G16145A T16231C C16261T

238. **GQ249257 - Homo sapiens hg J2b mitochondrion, complete genome**
A73G C150T T152C A263G C295T 309insC 315insC T489C A750G A1438G A2706G
T4216C A4769G C5633T T6216C G6260A C7028T C7476T A8860G G10172A
A10398G A11251G G11719A A12612G G13708A C14766T G15257A A15326G
C15452A T15601C G15812A C16069T T16126C C16193T C16261T C16278T T16519C

239. **FJ445408 - Homo sapiens hg J2b mitochondrion, complete genome**
A73G C150T T152C A263G C295T 315insC T489C A750G A1438G A2706G T4216C
A4769G C5633T C7028T C7476T A8860G G10172A A10398G A11251G G11719A
A12612G G13708A A14405G G14569A C14766T G15257A A15326G C15452A
G15812A C16069T C16193T C16278T T16362C

240. **FJ213765 - Homo sapiens hg J2b mitochondrion, complete genome**
A73G C150T T152C A263G C295T 315insC T489C A750G A1438G A2706G T4216C
A4769G G5460A C5633T C7028T T7391C C7476T A8860G A10398G A11251G
G11719A A12612G G13708A A14029G C14766T T15001C G15257A A15326G
C15452A G15812A C16069T T16126C C16193T C16320T T16519C

241. **FJ380056 - Homo sapiens hg J2b mitochondrion, complete genome**
A73G C150T T152C C194T A263G C295T 315insC T489C A750G A1438G A2706G
T4216C A4769G C5633T C7028T C7476T A8860G G10172A A10398G A11251G
G11719A A12612G G13708A A14405G G14569A C14766T G15257A A15326G
C15452A G15812A C16069T C16193T C16278T T16362C

242. **EU862198 - Homo sapiens hg J2b mitochondrion, complete genome**
A73G C150T T152C A263G C295T 309insC 315insC T489C A750G A1438G T2404C
A2706G T4216C A4769G C5633T G6962T C7028T G7211A C7476T A8860G G10172A
T10389C A10398G A11251G G11719A A12612G G13708A C14766T G15257A
A15326G C15452A G15812A C16069T T16126C C16193T T16519C

243. **EU073969 - Homo sapiens hg K1 mitochondrion, complete genome**
A73G C151T T152C A263G 309insC 315insC A750G T1189C A1438G A1811G
T1819C A2706G A3480G A4769G T5090C T6413C C7028T G8251A A8860G G9055A
T9698C A10398G C10478T A10550G T11299C A11467G G11719A A12308G G12372A
A12810G C14142G C14167T C14766T T14798C A15326G T16093C T16189A T16224C
G16274A T16311C T16362C T16519C

244. **GU811147 - Homo sapiens hg K1a mitochondrion, complete genome**

A73G T195C A263G 315insC C497T 524insA 524insC A750G T1189C A1438G
A1811G A2706G A3480G G4113A A4769G C6725A C7028T A8860G G9055A T9698C
A10398G A10550G T11299C A11467G G11719A A12308G G12372A C14167T C14766T
T14798C A15326G T16093C C16192T T16224C T16311C T16519C

245. GU471243 - Homo sapiens hg K1a mitochondrion, complete genome

A73G T195C A263G 315insC C497T 524insA 524insC 524insA 524insC A750G T1189C
A1438G A1811G A2706G A3480G A4769G C7028T G8020A A8860G G9055A T9137Y
T9698C T9977C A10398G A10550G T11299C A11467G G11719A A12308G G12372A
C14167T C14766T T14798C A15326G C15626T T16224C T16311C T16519C

246. GU471244 - Homo sapiens hg K1a mitochondrion, complete genome

A73G T195C A263G 315insC C497T A750G T1189C A1438G A1811G A2706G
A3480G A4769G C7028T T8400C A8521G A8860G G9055A T9698C A10398G
A10550G T11299C A11467G G11719A A12308G G12372A C14167T C14766T T14798C
A15326G T16093C C16214A T16224C T16311C C16354T T16519C

247. EU623472 - Homo sapiens hg K1a mitochondrion, complete genome

A16T A73G C150T T199C A263G 309insC 309insC 315insC C497T A750G T1189C
A1438G A1811G A2706G A3480G A4769G C7028T 8276delC 8277delT 8278delC
8279delT 8280delA 8281delC 8282delC 8283delC 8284delC A8860G G9055A T9698C
T9938C A10398G A10550G T10882C T11299C A11467G G11719A A12308G G12372A
C14167T A14605T C14766T T14798C A15326G G16129A T16224C T16311C T16519C

248. EU616820 - Homo sapiens hg K1a mitochondrion, complete genome

A73G T195C A263G 309insC 315insC C497T 524insA 524insC A750G T1189C
A1438G A1811G A2706G A3480G A4769G C7028T A8860G G9055A T9174C T9698C
A10398G A10550G T11299C A11467G G11719A A12308G G12372A C14167T
C14766T T14798C A15326G T16224C T16311C T16519C

249. EU603402 - Homo sapiens hg K1a mitochondrion, complete genome

A16T A73G C150T T199C A263G 309insC 315insC C497T A750G T1189C A1438G
A1811G A2706G A3480G A4769G C7028T 8276delC 8277delT 8278delC 8279delT
8280delA 8281delC 8282delC 8283delC 8284delC A8860G G9055A T9698C T9938C
A10398G A10550G T11299C A11467G G11719A G11914A A12308G G12372A
C14167T A14605T C14766T T14798C A15326G G16129A T16224C T16311C T16519C

250. EU523125 - Homo sapiens hg K1a mitochondrion, complete genome

A16T A73G C150T T199C A263G 309insC 315insC C497T A750G T1189C A1438G
A1811G A2706G A3480G A4769G C7028T 8276delC 8277delT 8278delC 8279delT
8280delA 8281delC 8282delC 8283delC 8284delC A8860G G9055A T9698C T9938C
A10398G A10550G T10882C T11299C A11467G G11719A A12308G G12372A
C14167T A14605T C14766T T14798C A15326G G16129A T16224C T16311C T16519C

251. EU232008 - Homo sapiens hg K1a mitochondrion, complete genome

A73G T195C A263G 315insC G316A C497T 524insA 524insC 524insA 524insC A750G
T1189C A1438G A1811G A2706G A3480G A4769G C7028T G8764A A8860G G9055A
T9698C A10398G A10550G T11299C A11467G G11719A A12308G G12372A C14167T
C14766T T14798C A15326G G16047A G16048A T16224C T16311C T16519C

252. EU170361 - Homo sapiens hg K1a mitochondrion, complete genome

A73G T195C A263G 315insC C497T 524insA 524insC 524insA 524insC A750G
T1189C A1438G A1811G A2706G A3480G A4769G C7028T A8860G G9055A T9698C
A10398G A10550G T11299C A11467G G11719A A12308G G12372A C14167T
C14766T T14798C A15326G G16048A T16093C T16224C C16291T T16311C T16519C

253. EF485042 - Homo sapiens hg K1a* mitochondrion, complete genome

A73G T195C A263G 315insC C497T 524insA 524insC 524insA 524insC A750G T1189C
A1438G A1811G A2706G A3480G A4769G C7028T A8860G G9055A T9698C
A10398G A10550G T11299C A11467G G11719A A12308G G12372A C14167T C14766T
T14798C A15326G G16048A T16093C T16224C C16291T T16311C T16519C

254. EU259093 - Homo sapiens hg K1a1 mitochondrion, complete genome

A73G A263G 315insC T471C C497T A750G T1189C A1438G A1811G A2706G
A3480G A4769G T6620C C7028T A8860G G9055A T9698C A10398G A10550G
T11299C A11467G G11719A G11914A A12308G A12358G G12372A C14167T
C14766T T14798C A15326G T16224C T16311C T16519C

255. EF449506 - Homo sapiens hg K1a1 mitochondrion, complete genome

A73G A263G 315insC C497T A750G T1189C A1438G A1811G A2706G A3480G
T3552C A4769G C7028T G8065A A8860G G9055A T9698C G9801A A10398G
A10550G T11299C A11467G G11719A G11914A A12308G G12372A C14167T C14766T
T14798C A15326G T16224C T16311C T16519C

256. GU980957 - Homo sapiens hg K1a1a mitochondrion, complete genome

A73G A263G 315insC C497T A750G T1189C A1438G A1811G A2706G A3480G
T3552C A4769G T5628C A6060G C7028T 8276insC A8860G G9055A T9698C
A10398G A10550G T11299C A11467G G11719A G11914A A12308G G12372A
C14167T C14766T T14798C A15326G A15799G G16129A T16224C T16311C T16519C

257. EU677845 - Homo sapiens hg K1a1a mitochondrion, complete genome

A73G 249delA A263G 315insC C497T A750G T1189C A1438G A1811G A2706G
A3480G T3552C A4769G C7028T A8860G G9055A T9698C A10398G A10550G
T11299C A11467G G11719A G11914A A12308G G12372A C14167T C14766T
T14798C A15326G T16093C T16224C T16311C T16519C

258. EU284179 - Homo sapiens hg K1a1b1 mitochondrion, complete genome

A73G A263G 315insC C497T A750G T1189C A1438G A1811G A2706G A3480G
A4769G G5585A C7028T A8860G G9055A C9138Y T9698C A10398G A10550G
T11299C A11467G A11470G G11719A G11914A A12308G G12372A C14167T

C14766T T14798C A15326G A15924G T16093Y C16222T T16224C T16311C T16362C
T16519C

259. **GU723693 - Homo sapiens hg K1a1b1a mitochondrion, complete genome**
A73G C114T A263G 315insC C497T A750G T1189C A1438G A1811G A2706G
A3480G A4769G C7028T A8860G G9055A T9698C A10398G A10550G A10978G
T11299C A11467G A11470G G11719A G11914A A12308G G12372A T12954C
C14167T C14766T T14798C A15326G A15924G C16223T T16224C C16234T T16311C
T16519C

260. **GU722599 - Homo sapiens hg K1a1b1a mitochondrion, complete genome**
A73G C114T A263G 315insC C497T A750G T1189C A1438G A1811G A2706G
A3480G A4769G C7028T A8860G G9055A T9698C A10398G A10550G A10978G
T11299C A11467G A11470G G11719A G11914A A12308G G12372A T12954C
C14167T C14766T T14798C A15326G A15924G C16223T T16224C C16234T T16311C
T16519C

261. **GU585492 - Homo sapiens hg K1a1b1a mitochondrion, complete genome**
A73G C114T A263G 315insC C497T A750G T1189C A1438G A1811G A2706G
A3480G A4769G C7028T A8860G G9055A T9698C A10398G A10550G A10978G
T11299C A11467G A11470G G11719A G11914A A12308G G12372A T12954C C14167T
C14766T T14798C A15326G A15924G T16224C C16234T T16311C T16519C

262. **GU571200 - Homo sapiens hg K1a1b1a mitochondrion, complete genome**
A73G C114T A263G 315insC C497T A750G T1189C A1438G A1811G A2706G
A3480G A4769G C7028T A8860G G9055A T9698C A10398G A10550G A10978G
T11299C A11467G A11470G G11719A G11914A A12308G G12372A T12954C
C14167T C14766T T14798C A15326G A15924G T16224C C16234T T16311C T16519C

263. **GU320192 - Homo sapiens hg K1a1b1a mitochondrion, complete genome**
A73G C114T A263G 315insC C497T A750G T1189C A1438G A1811G A2706G
A3480G A4769G C7028T A8860G G9055A T9698C A10398G A10550G A10978G
T11299C A11467G A11470G G11719A G11914A A12308G G12372A T12954C
C14167T C14766T T14798C A15326G A15924G T16224C C16234T T16311C T16519C

264. **FJ938288 - Homo sapiens hg K1a1b1a mitochondrion, complete genome**
A73G C114T T195C A263G 309insC 315insC C497T A750G T1189C A1438G A1811G
A2706G A3480G A4769G C7028T A8860G G9055A T9698C A10398G A10550G
A10978G T11299C A11467G A11470G G11719A G11914A A12308G G12372A
T12954C C14167T C14766T T14798C A15326G A15924G T16224C C16234T T16311C
T16519C

265. **FJ228404 - Homo sapiens hg K1a1b1a mitochondrion, complete genome**
A73G C114T A263G 315insC C497T A750G T1189C A1438G A1811G A2706G
A3480G A4769G C7028T A8860G G9055A T9698C A10398G A10550G A10978G
T11299C A11467G A11470G G11719A G11914A A12308G G12372A T12954C

C14167T C14766T T14798C A15326G A15924G C16223T T16224C C16234T T16311C
T16519C

266. **EU926147 - Homo sapiens hg K1a1b1a mitochondrion, complete genome**
A73G C114T A263G 315insC C497T A750G T1189C A1438G A1811G A2706G
A3480G A4769G C7028T A8860G G9055A T9698C A10398G A10550G A10978G
T11299C A11467G A11470G G11719A G11914A A12308G G12372A T12954C
C14167T A14203C A14517G C14766T T14798C A15326G A15924G C16223T T16224C
C16234T T16311C T16519C

267. **EU523126 - Homo sapiens hg K1a1b1a mitochondrion, complete genome**
A73G C114T A263G 315insC C497T A750G T1189C A1438G A1811G A2706G
A3480G A4769G C7028T A8860G G9055A T9698C A10398G A10550G A10978G
T11299C A11467G A11470G G11719A G11914A A12308G G12372A T12954C
C14167T C14766T T14798C A15326G A15924G T16224C C16234T T16311C T16519C

268. **EU327782 - Homo sapiens hg K1a1b1a mitochondrion, complete genome**
A73G C114T A263G 315insC C497T A750G T1189C A1438G A1811G A2706G
A3480G A4769G C7028T A8860G G9055A T9698C A10398G A10550G A10978G
T11299C A11467G A11470G G11719A G11914A A12308G G12372A T12954C
C14167T C14766T T14798C A15326G A15924G T16224C C16234T T16311C T16519C

269. **EU259709 - Homo sapiens hg K1a1b1a mitochondrion, complete genome**
A73G C114T A263G 315insC C497T A750G T1189C A1438G A1811G A2706G
A3480G A4769G C7028T A8860G G9055A T9698C A10398G A10550G A10978G
T11299C A11467G A11470G G11719A G11914A A12308G G12372A T12954C
C14167T C14766T T14798C A15326G A15924G T16224C C16234T T16311C T16519C

270. **EU170362 - Homo sapiens hg K1a1b1a mitochondrion, complete genome**
A73G C114T A263G 315insC C497T A750G T1189C A1438G A1811G A2706G
A3480G A4769G C7028T A8860G G9055A T9698C A10398G A10550G A10978G
T11299C A11467G A11470G G11719A G11914A A12308G G12372A T12954C
C14167T C14766T T14798C A15326G A15924G C16223T T16224C T16311C T16519C

271. **EU052292 - Homo sapiens hg K1a1b1a mitochondrion, complete genome**
A73G C114T A263G 315insC C497T A750G T1189C A1438G A1811G A2706G
A3480G A4769G C7028T A8860G G9055A T9698C A10398G A10550G A10978G
T11299C A11467G A11470G G11719A G11914A A12308G G12372A T12954C
C14167T C14766T T14798C A15326G A15924G T16224C C16234T T16311C T16519C

272. **EU862197 - Homo sapiens hg K1a1b1a mitochondrion, complete genome**
A73G C114T A263G 309insC 315insC C497T A750G T1189C A1438G A1811G
A2706G A3480G A4769G C7028T A8860G G9055A T9698C A10398G A10550G
A10978G T11299C A11467G A11470G G11719A G11914A A12308G G12372A
T12954C C14167T C14766T T14798C A15326G A15924G T16224C C16234T T16311C
T16519C

273. **FJ865502 - Homo sapiens hg K1a1b2 mitochondrion, complete genome**
A73G A189G T195C T236C A263G 315insC C497T A750G T1189C A1438G A1811G
2156insA A2706G A3480G A4769G C7028T A8860G G9055A G9329A T9698C
C10202T A10398G A10550G T11299C A11467G G11719A G11914A A12308G
G12372A T13326C C14167T C14766T T14798C A15326G G15346A A15924G T16224C
T16311C T16519C

274. **GQ281051 - Homo sapiens hg K1a2 mitochondrion, complete genome**
A73G T152C A263G 315insC C497T 524insA 524insC 524insA 524insC A750G T1189C
A1438G A1811G A2706G A3480G A4769G C7028T T8005C A8860G G9055A T9698C
A10398G A10550G T11025C T11299C A11467G G11719A A12308G G12372A C14167T
C14766T T14798C A15326G T16093C C16201T T16224C C16278T T16311C T16519C

275. **EU849002 - Homo sapiens hg K1a2 mitochondrion, complete genome**
A73G A263G 309insC 315insC C497T 524insA 524insC A750G T1189C A1438G
A1811G A2706G A3480G A4769G G5773A C7028T A8860G G9055A T9698C
A10398G A10550G T11025C T11299C A11467G G11719A A12308G G12372A
A13434G C14167T C14766T T14798C A15326G T15784C A16119G T16224C T16311C
T16519C

276. **EU760854 - Homo sapiens hg K1a2 mitochondrion, complete genome**
A73G A263G 315insC C497T A750G T1189C A1438G A1811G A2706G C3318T
A3480G A4769G C7028T T8005C A8860G G9055A T9698C A10398G A10550G
A10658G T11025C T11299C A11467G G11719A A12308G G12372A C14167T
C14766T T14798C A15326G T16224C T16311C A16399G T16519C

277. **EU330213 - Homo sapiens hg K1a3 mitochondrion, complete genome**
A73G A263G 315insC C497T 524insA 524insC A750G T1189C A1438G G1503A
A2706G A3480G A4769G C7028T A8860G G9055A T9698C A10398G A10550G
T11299C A11467G G11719A A12308G G12372A C13065A A13117G C14167T
C14766T T14798C A15326G T16093C T16224C T16311C T16519C

278. **EU344156 - Homo sapiens hg K1a3a mitochondrion, complete genome**
A73G A263G 315insC C497T A750G T1189C A1438G A1811G A2706G A3480G
A4769G C7028T A7559G A8860G G9055A T9698C A10398G A10550G A10750G
T11299C A11467G G11719A A12308G G12372A A13117G A14001G C14167T
C14766T T14798C A15326G T16224C A16265C T16311C T16519C

279. **EU089746 - Homo sapiens hg K1a3a mitochondrion, complete genome**
A73G A263G 315insC C497T A750G T1189C A1438G A1811G A2706G A3480G
A4769G C7028T A7559G A8860G G9055A T9698C A10398G A10550G A10750G
T11299C A11467G G11719A A12308G G12372A A13117G A14001G C14167T
C14766T T14798C A15326G T16189C T16224C A16265C T16311C T16519C

280. **GU799583 - Homo sapiens hg K1a3a1 mitochondrion, complete genome**

A73G A263G 309insC 315insC C497T 524insA 524insC A750G T1189C A1438G
A1811G A2706G A3480G A4769G T4772G T4973C C7028T A7559G A8440G C8522T
A8860G G9055A T9698C A10398G A10550G T11299C A11467G G11719A A12308G
G12372A A13117G C14167T C14766T T14798C A15326G T16093C T16224C C16261Y
T16311C T16519C

281. GU722601 - Homo sapiens hg K1a4 mitochondrion, complete genome

A73G A263G T279C 315insC C411A C497T 524insA 524insC 524insA 524insC A750G
T1189C A1438G A1811G A2706G A3480G A4769G C7028T A7118G A8860G G9055A
T9698C A10398G A10550G T11299C A11467G T11485C G11719A A12308G G12372A
C14167T C14766T T14798C A15326G T16093C T16224C T16311C T16519C

282. EU926621 - Homo sapiens hg K1a4 mitochondrion, complete genome

A73G A263G 315insC C497T A723C A750G T1189C A1438G A1811G A2706G
A3203G A3480G A4769G C7028T A8860G G9055A T9698C A10398G A10550G
C11071T T11299C A11467G T11485C G11719A A12308G G12372A C14167T C14766T
T14798C A15326G G15355A T16224C T16311C T16519C

283. EU714298 - Homo sapiens hg K1a4 mitochondrion, complete genome

A73G A263G 315insC C497T 524insA 524insC A723C A750G T1189C A1438G
A1811G A2706G A3480G A4769G C7028T A8860G G9055A T9698C A10398G
A10550G C11071T T11299C A11467G T11485C G11719A A12308G G12372A
C14167T C14766T T14798C A15326G G15355A T16224C T16311C T16519C

284. EU675299 - Homo sapiens hg K1a4 mitochondrion, complete genome

A73G A263G C280G 315insC C497T A750G T1189C A1438G A1811G A2706G
A3480G A4769G C7028T C8029T A8860G G9055A A9448G T9698C A10398G
A10550G T11299C A11467G T11485C G11719A A12308G G12372A T13281C
G13590A C14167T T14470C C14766T T14798C A15326G T16224C T16311C T16519C

285. EU564851 - Homo sapiens hg K1a4 mitochondrion, complete genome

A73G G207A A263G 309insC 315insC C497T 524insA 524insC A750G T1189C
A1438G A1811G A2706G G3010A A3480G C4137T A4769G G5237A C7028T A8531G
A8860G G9055A T9698C A10398G A10550G T11299C A11467G T11485C G11719A
A12308G G12372A C14167T C14766T T14798C A15326G G15930A T16224C T16311C
T16519C

286. EU219921 - Homo sapiens hg K1a4 mitochondrion, complete genome

A73G C150T A263G C264T 309insC 315insC C497T A750G T1189C A1438G A1811G
A2706G A3480G A4769G C6518T C7028T A8860G G9055A T9698C A10398G
A10550G C10961T T11299C A11467G T11485C G11719A G11914A A12308G
G12372A A13681G C14167T C14766T T14798C A15326G A15613G T16093C T16224C
T16311C T16519C

287. EU130551 - Homo sapiens hg K1a4 mitochondrion, complete genome

A73G A263G 315insC C497T 524insA 524insC A750G T1189C A1438G A1811G
A2706G A3480G A4769G C7028T A8860G G9055A T9698C A10398G A10550G
T11299C A11467G T11485C G11719A A12308G A12358G G12372A C14167T
C14766T T14798C A15326G A16051G T16224C T16311C T16519C

288. EU603401 - Homo sapiens hg K1a4a mitochondrion, complete genome

A73G T195C A263G 315insC C497T A750G T1189C A1438G A1811G A2706G
A3480G A4769G C6134T G6260A G6480A A6605G C7028T A8860G G9055A T9698C
A10398G A10550G T11299C A11467G T11485C G11719A A12308G G12372A
C14167T C14766T T14798C A15326G C16168T T16224C T16311C T16519C

289. GU971379 - Homo sapiens hg K1a4a1 mitochondrion, complete genome

A73G A263G 309insC 315insC C497T A750G T1189C A1811G A2706G A3480G
A4769G G6260A C7028T A8098G G8856C A8860G G9055A T9698C A10398G
A10550G T11299C A11467G T11485C G11719A C11840T A12308G G12372A
T13740C C14167T C14766T T14798C A15326G C16188T T16224C T16311C T16519C

290. EU910091 - Homo sapiens hg K1a4a1 mitochondrion, complete genome

A73G A263G 315insC C497T A750G T1189C A1438G A1811G G2361A A2706G
A3480G A4769G G6260A C7028T A8860G G9055A T9698C A10550G T11299C
A11467G T11485C G11719A C11840T A12308G G12372A G12684A T13740C
C14167T C14766T T14798C A15326G T16086C T16224C A16305G T16311C T16519C

291. EU692798 - Homo sapiens hg K1a4a1 mitochondrion, complete genome

A73G T199C A263G 315insC C497T A750G T1189C A1438G A1811G A1836G
A2706G A3480G A4769G T5561C G6260A C7028T A7298T A8860G G9055A T9698C
A10398G A10550G T11299C A11467G T11485C G11719A C11840T A12308G
G12372A A13413G T13740C C14167T C14766T T14798C A15326G T16224C T16311C
T16519C

292. EU677385 - Homo sapiens hg K1a4a1 mitochondrion, complete genome

A73G T195C A263G 309insC 309insC 315insC C497T A750G T1189C A1438G
A1811G A2706G A3480G A4769G G6260A C7028T A8098G G8856C A8860G G9055A
T9698C A10398G A10550G T11299C A11467G T11485C G11719A C11840T A12308G
G12372A T12957C T13740C C14167T G14384A C14766T T14798C A15326G T16224C
T16311C T16519C

293. EU616625 - Homo sapiens hg K1a4a1 mitochondrion, complete genome

A73G A263G 315insC C497T A750G T1189C A1438G A1811G A2706G A3480G
A4769G G6260A C7028T A8860G G9055A T9698C A10398G A10550G T11299C
A11467G T11485C G11719A C11840T A12308G G12372A T13740C C14167T
C14766T T14798C C15154A A15326G T16224C T16311C T16519C

294. EU328539 - Homo sapiens hg K1a4a1 mitochondrion, complete genome

A73G T146C A263G 309insC 315insC C497T 524insA 524insC 573insC 573insC
A750G T1189C A1438G A1811G A2706G A3480G A3505G A4295G A4769G G6260A

C7028T A8860G G9055A A9377G T9698C A10398G A10550G T11299C A11467G
T11485C G11719A C11840T A12308G G12372A T13740C C14167T C14766T T14798C
A15326G G15884A T16224C C16245T T16311C T16519C

295. EF464682 - Homo sapiens hg K1a4a1 mitochondrion, complete genome

A73G A263G 309insC 315insC C497T A750G T1189C A1438G A1842G A2706G
A3480G A4769G G6260A G6465C C7028T A8098G A8860G G9055A T9698C
A10398G A10550G T11299C A11467G T11485C G11719A C11840T A12308G G12372A
T13740C C14167T C14766T T14798C A15326G T16224C C16261T T16311C T16519C

296. GU371909 - Homo sapiens hg K1a4a1 mitochondrion, complete genome (K1a4a1a)

A73G T195C A263G 309insC 315insC C497T 524insA 524insC A750G T1189C
A1438G A1811G A2706G A3480G A4295G A4769G G5177A G6260A C7028T A8860G
G9055A T9698C A10398G A10550G T11299C A11467G T11485C G11719A C11840T
A12308G G12372A T13740C C14167T C14766T T14798C A15326G G15884A T16224C
T16311C T16519C

297. GU361766 - Homo sapiens hg K1a4a1 mitochondrion, complete genome (K1a4a1a)

A73G A263G 309insC 315insC C497T 524insA 524insC 524insA 524insC 573insC
573insC A750G T1189C A1438G A1811G A2706G A3480G A4295G A4769G G6260A
C7028T A8860G G9055A A9377G T9698C A10398G A10550G T11299C A11467G
T11485C G11719A C11840T A12308G G12372A T13740C C14167T C14766T T14798C
A15326G G15884A T16224C C16245T T16311C T16519C

298. GU191795 - Homo sapiens hg K1a4a1b mitochondrion, complete genome

A73G A263G 309insC 315insC C497T A750G T1189C A1438G A1811G A2706G
A3480G A4769G G6260A C7028T A8098G G8856C A8860G G9055A T9698C
A10398G A10550G T11299C A11467G T11485C G11719A C11840T A12308G G12372A
T13740C C14167T C14766T T14798C A15326G T16224C T16311C T16519C

299. GU295448 - Homo sapiens hg K1a9 mitochondrion, complete genome

A73G T195C A263G 315insC C497T A750G T1189C A1438G A1811G A2706G
A3480G A4769G C7028T A8860G G9055A T9698C A10398G A10550G T11299C
A11467G G11719A A12308G G12372A C14167T C14766T T14798C A15326G
T16093C T16224C T16311C T16519C A16524G

300. GU004259 - Homo sapiens hg K1a10 mitochondrion, complete genome

A73G T195C A263G 315insC C497T 524insA 524insC A750G T1189C A1438G
A1811G A2706G A3480G A4769G C7028T A8860G G9055A T9698C A10398G
A10550G T11299C A11467G G11719A A12308G G12372A C14167T C14766T T14798C
A15326G G16048A T16093C T16224C C16291T T16311C T16519C

301. GU332639 - Homo sapiens hg K1a11 mitochondrion, complete genome

A16T A73G C150T T152C T199C A263G 309insC 315insC C497T 524insA 524insC
A750G T1189C A1438G A1811G A2706G A3480G A4769G C7028T 8281delC 8282delC
8283delC 8284delC 8285delC 8286delT 8287delC 8288delT 8289delA C8702T A8860G

G9055A T9698C T9938C A10398G A10550G T10966C T11299C A11467G G11719A
G11887R A12308G G12372A C14167T C14766T T14798C A15326G G16129A T16224C
T16311C T16519C

302. GQ149510 - Homo sapiens hg K1a12a mitochondrion, complete genome

A73G A263G 309insC 315insC C497T 524insA 524insC A750G T1189C A1438G
A1811G A2706G A3480G T4248C A4769G G5460A C7028T A8860G G9055A T9698C
A10398G A10550G T11204C T11299C A11467G G11719A A11923G C12031T
A12308G G12372A C14167T C14766T T14798C A15326G T16224C T16311C T16519C

303. GU944475 - Homo sapiens hg K1a mitochondrion, complete genome (K1a13)

A73G T146C T195C A263G 309insC 315insC C497T 524insA 524insC A750G T1189C
A1438G G1709A A1811G A2706G A3480G A4769G C7028T A8860G T8870C G9055A
A9545G T9698C A10289G A10398G A10550G T11299C A11467G G11719A A12308G
G12372A C14167T C14766T T14798C A15326G T16224C T16311C T16519C

304. GU722600 - Homo sapiens hg K1b1a mitochondrion, complete genome

A73G T152C T199C A263G 309insC 315insC 524insA 524insC A750G T1189C
A1438G A1811G A2706G A3480G A4769G G5913A C7028T A8860G G9055A T9698C
G9962A A10289G A10398G A10550G T11299C A11467G G11719A A11923G
A12308G G12372A C13967T C14167T G14560A C14766T T14798C G15257A
A15326G G15884A C15946T T16093Y T16224C T16311C G16319A

305. EU714300 - Homo sapiens hg K1b1a mitochondrion, complete genome

A73G T152C T195C A263G 309insC 315insC A750G T1189C A1438G A1811G
A2706G A3480G A4769G 5899insC G5913A C7028T T8260C A8860G G9055A
C9371T T9698C G9962A A10289G A10398G A10550G T11299C A11467G G11719A
A11923G A12308G G12372A C14167T C14766T T14798C G15257A A15326G
C15381T C15946T T16093C T16224C T16311C A16318T G16319A A16463G T16519C

306. EU239477 - Homo sapiens hg K1b1a mitochondrion, complete genome

A73G T152C A263G 309insC 315insC A750G T1189C A1438G A1811G A2706G
A3480G G3834A A4769G A4775G A5298G G5913A C7028T A8860G G9055A T9698C
G9962A A10289G A10398G A10550G T11299C A11467G G11719A A11923G
A12308G G12372A T13020G C13967T C14167T C14766T T14798C G15257A A15326G
C15946T T16224C T16311C G16319A A16463G T16519C

307. GU797785 - Homo sapiens hg K1b1a mitochondrion, complete genome (K1b1a1)

A73G T152C A263G 309insC 315insC A750G A1041G T1189C A1438G A1811G
A2706G A3480G A4769G G5913A C7028T A8860G G9055A T9698C G9962A
A10289G A10398G A10550G T11299C A11467G G11719A A11923G A12308G
G12372A T13602C C13967T C14167T C14766T T14798C G15257A A15326G C15946T
T16093C T16224C T16311C G16319A A16463G T16519C

308. GU361772 - Homo sapiens hg K1b1a mitochondrion, complete genome (K1b1a1)

A73G T152C A263G 315insC A750G T1189C A1438G A1811G A2706G A3480G
G3834A A4769G A4775G G5913A C7028T A8860G G9055A T9698C G9962A
A10289G A10398G A10550G T11299C A11467G G11719A A11923G A12308G
G12372A C13967T C14167T C14766T T14798C G15257A A15326G C15946T G16129A
T16224C T16311C G16319A A16463G T16519C

309. **GU455378 - Homo sapiens hg K1b1 mitochondrion, complete genome (K1b1c)**
A73G G94A A263G 309insC 309insC 315insC G499A A750G T1189C A1438G A1811G
A2706G G3337A A3480G A4769G G5913A C7028T A8860G G9055A G9489A T9698C
G9962A A10289G A10398G A10550G T11299C A11467G G11719A G11914A A12308G
G12372A C14167T C14766T T14798C A15326G C15946T T16224C T16311C T16519C

310. **EU855118 - Homo sapiens hg K1b2 mitochondrion, complete genome**
A73G T146C T195C A263G 315insC 524insA 524insC 524insA 524insC A750G
T1189C A1438G A1811G A2706G A3480G A4769G G5913A C7028T G8251A A8860G
G9055A T9698C A10398G A10550G T11299C A11467G G11719A A12308G G12372A
T12738G G12771A C14167T C14766T T14798C A15326G T16224C T16311C T16519C

311. **EU849091 - Homo sapiens hg K1b2 mitochondrion, complete genome**
A73G T146C T195C A263G 315insC 515insG 524insA 524insC 524insA 524insA
A750G T1189C A1438G A1811G A2706G A3480G A4769G G5913A C7028T G7521A
A8860G G9055A T9495C T9698C A10398G A10550G T11299C A11467G G11719A
A12308G G12372A T12738G G12771A C14167T A14687G C14766T T14798C
A15326G T16224C T16311C T16519C

312. **EU621708 - Homo sapiens hg K1b2 mitochondrion, complete genome**
A73G T146C T195C A263G 315insC 524insA 524insC 524insA 524insC 524insA
524insC A750G T1189C A1438G A1811G A2706G A3480G A4769G G5913A C7028T
A8860G G9055A T9698C A10398G A10550G T11299C A11467G G11719A T12188C
A12308G G12372A T12738G G12771A C14167T C14766T T14798C A15326G T16224C
T16311C T16519C

313. **EU372659 - Homo sapiens hg K1b2 mitochondrion, complete genome**
A73G T146C T195C A263G 315insC A750G T1189C A1438G A1811G A2706G
A3480G A4769G G5913A C7028T G7521A C8709T A8860G G9055A T9698C
A10398G A10550G T11299C A11467G G11719A A12308G G12372A T12738G
G12771A C14167T C14766T T14798C A15326G T16224C T16311C T16519C

314. **EF428259 - Homo sapiens hg K1b2 mitochondrion, complete genome**
A73G T146C T195C A263G 309insC 315insC 524insA 524insC A750G T1189C
A1438G A1811G A2706G A3480G A4769G G5237A G5913A C6845T C7028T A8860G
G9055A T9698C A10154G A10398G A10550G T11299C A11467G G11719A A12308G
G12372A T12738G C14167T C14766T T14798C G15301A A15326G T16224C T16311C
T16519C

315. **GU362081 - Homo sapiens hg K1b2 mitochondrion, complete genome (K1b2a)**

A73G T146C T152C T195C A263G 315insC 524insA 524insC 524insA 524insC A750G
T1189C A1438G A1811G A2706G A3480G A4769G G5913A C7028T A8860G G9055A
T9698C A10398G A10550G T11299C A11467G G11719A A12308G G12372A T12738G
G12771A C14167T C14766T T14798C A15326G T16224A T16311C T16519C

316. GU936958 - Homo sapiens hg K1c1 mitochondrion, complete genome

A73G T146C T152C A263G 315insC 498delC A750G T1189C A1438G A1811G
A2706G A3480G A4769G C7028T A8860G G9055A A9093G T9698C A10398G
A10550G T11299C G11377A A11467G G11719A A12308G G12372A C14167T
C14766T T14798C A15326G T16224C T16311C T16519C

317. GU722602 - Homo sapiens hg K1c1 mitochondrion, complete

A73G T146C T152C A263G 315insC 498delC A750G T1189C A1438G A1811G
A2706G A3480G A4769G C7028T A8860G G9055A A9093G T9698C A10398G
A10550G G10685A T11299C G11377A A11467G G11719A A12308G G12372A
C14167T C14766T T14798C A15326G T16224C T16311C T16519C

318. GU585491 - Homo sapiens hg K1c1 mitochondrion, complete genome

A73G T146C T152C A263G 309insC 315insC 356insC 498delC A750G T1189C
A1438G A1811G A2706G A3480G A4769G C7028T A8860G G9055A A9093G T9698C
A10398G A10550G T11299C G11377A A11467G G11719A A12308G G12372A
C14167T C14766T T14798C A15326G T16224C T16311C T16519C

319. EU753433 - Homo sapiens hg K1c1 mitochondrion, complete genome

A73G T146C T152C A263G 315insC 498delC A750G T1189C A1438G A1811G
A2706G A3480G A4769G C7028T A8860G G9055A A9093G T9698C T9903C
A10398G A10550G T11299C G11377A A11467G G11719A A12308G G12372A
C14167T C14766T T14798C A15326G T16224C T16311C C16320T T16519C

320. EU262720 - Homo sapiens hg K1c1 mitochondrion, complete genome

A73G T146C T152C A263G 315insC 498delC A750G T1189C A1438G A1811G
A2706G A3480G A4769G C7028T A8817G A8860G G9055A A9093G T9698C T9903C
A10398G A10550G T11299C G11377A A11467G G11719A A12308G G12372A
C14167T C14766T T14798C A15326G T16224C T16311C T16519C

321. EU157918 - Homo sapiens hg K1c1 mitochondrion, complete genome

A73G T146C T152C A263G 315insC 498delC A508G A750G T1189C A1438G A1811G
A2706G A3480G A4769G C7028T A8860G G9055A A9093G T9698C A10398G
A10550G T11299C G11377A A11467G G11719A A12308G G12372A C14167T
C14766T T14798C A15326G T16224C T16311C T16519C

322. GU371910 - Homo sapiens hg K1c1b mitochondrion, complete genome

A73G T146C T152C A263G 315insC 498delC A750G T1189C A1438G A1811G
A2706G A3480G A4769G C7028T A8860G G9055A A9093G T9698C A10398G
A10550G T11299C G11377A A11467G G11719A A12308G G12372A C14167T C14766T
T14798C A15326G T15900C C16223Y T16224C T16311C T16519C

323. **EU677421 - Homo sapiens hg K1c1b mitochondrion, complete genome**
A73G T146C T152C A263G 315insC 498delC A750G T1189C A1438G A1811G
A2706G A3480G A4769G C7028T A8860G G9055A A9093G T9698C A10398G
A10550G T11299C G11377A A11467G G11719A A12308G G12372A C14167T
C14766T T14798C A15326G T15900C T16224C T16311C T16519C

324. **GU323604 - Homo sapiens hg K1c2 mitochondrion, complete genome**
A73G T146C T152C A263G 315insC 498delC 573insC A750G T1189C A1438G
A1811G A2706G A3480G A4769G C7028T T8300Y A8860G A9006G G9055A T9698C
A10398G A10550G T11299C A11467G G11719A A12308G G12372A A14002G
G14040A C14167T C14766T T14798C A15326G 15944delT T16224C T16311C C16320T
T16519C

325. **FJ608581 - Homo sapiens hg K1c2 mitochondrion, complete genome**
A73G T146C T152C A263G 315insC 498delC A750G T1189C A1438G A1811G
C2061T A2706G A3480G A4769G C7028T A8860G A9006G G9055A A9204G T9698C
A10398G A10550G T11299C A11467G G11719A A12308G G12372A A14002G
G14040A C14167T T14197C C14766T T14798C A15326G T16224C T16311C C16320T
T16519C

326. **DQ830736 - Homo sapiens hg K1c2 mitochondrion, complete genome**
A73G 81insT T146C T152C A263G 315insC 498delC A750G T1189C A1438G A1811G
A2706G A3480G A4769G C7028T A8860G A9006G G9055A T9698C A10398G
A10550G T11299C A11467G G11719A A12308G A12358G G12372A A14002G
G14040A C14167T A14506G C14766T T14798C A15244G A15326G 15944delT
T16093C T16224C T16311C C16320T T16519C

327. **EU669889 - Homo sapiens hg K1c2 mitochondrion, complete genome**
A73G T146C T152C A263G 309insC 315insC 498delC A750G T1189C A1438G
A1811G A2706G A3480G A4769G C7028T A8589G A8860G A9006G G9055A T9698C
A10398G A10550G T11299C A11467G G11719A A12308G G12372A A14002G
G14040A C14167T C14766T T14798C A15326G T16224C T16311C C16320T T16362C
T16519C

328. **EU664585 - Homo sapiens hg K1c2 mitochondrion, complete genome**
A73G T146C T152C A263G 309insC 315insC T453C 498delC A750G T1189C A1438G
A1811G A2706G A3480G A4769G C7028T A8860G A9006G G9055A T9698C
A10398G A10550G T11299C A11467G G11719A A12308G G12372A A12373G
A14002G G14040A C14167T C14766T T14798C A15326G T16189C T16224C T16311C
C16320T T16519C

329. **GU565530 - Homo sapiens hg K2a mitochondrion, complete genome**
A73G T146C T152C A263G 309insC 315insC G709A A750G A1438G A1811G A2706G
A3480G T4561C A4769G C7028T T7368A A8860G G9055A T9698C T9716C A10550G

T11299C A11467G G11719A A12308G G12372A C14167T C14766T T14798C A15326G
T16224C T16311C T16519C

330. FJ644290 - Homo sapiens hg K2a mitochondrion, complete genome

A73G T146C T152C A263G A297G 315insC G709A A750G A1438G A1811G A2706G
A3480G T4561C A4769G C7028T C7468T A8860G G9055A T9698C T9716C A10550G
T11299C A11467G G11719A A12308G G12372A C14167T G14305A C14766T
T14798C A15326G T16224C T16311C T16519C

331. FJ492878 - Homo sapiens hg K2a mitochondrion, complete genome

A73G T146C T152C T195C A263G 309insC 309insC 315insC G709A A750G A1438G
A1811G A2706G A3480G T4561C A4769G C7028T A7606G A8860G G9055A T9698C
T9716C A10550G T11299C A11467G G11719A A12308G G12372A C14167T G14305A
C14766T T14798C A15326G T16224C T16311C T16519C

332. EU884127 - Homo sapiens hg K2a mitochondrion, complete genome

A73G T146C T152C A263G 315insC G709A A750G A1438G A1811G A2706G
A3480G T4561C A4769G C7028T A8860G G9055A T9698C T9716C A10398G
A10550G T11204C T11299C A11467G G11719A A12308G G12372A C12870T
C14167T A14750G C14766T T14798C A15326G T16124C T16224C A16293G T16311C
T16519C

333. EU718789 - Homo sapiens hg K2a mitochondrion, complete genome

A73G T146C T152C A263G 309insC 315insC C324T G709A A750G A1438G A1811G
A2706G A3480G T4561C A4769G C7028T A8860G G9055A T9698C T9716C
A10550G T11299C A11467G A11491G G11719A A12308G G12372A C14167T
C14766T T14798C A15326G G15803A T16224C A16235G C16248T T16311C T16519C

334. EU284177 - Homo sapiens hg K2a mitochondrion, complete genome

A73C T146C T152C A263G 309insC 309insC 315insC 522delC 523delA G709A A750G
A1438G A1811G A2706G A3480G T4561C A4769G C7028T G8292A A8860G G9055A
T9698C T9716C A10550G T11299C A11467G G11719A A12308G C12346T G12372A
C14167T C14766T T14798C A15326G A16066G T16224C T16311C T16519C

335. EU259094 - Homo sapiens hg K2a mitochondrion, complete genome

A73G T146C T152C A263G 309insC 315insC G709A A750G A1438G A1811G
A2706G A3480G T4561C A4769G C7028T T8618C A8860G G9055A T9698C T9716C
A10550G T11299C A11467G G11719A A12308G G12372A C14167T C14766T
T14798C A15326G T16224C T16311C T16519C

336. EU130564 - Homo sapiens hg K2a mitochondrion, complete genome

A73G T146C T152C A263G 315insC G709A A750G A1438G A1811G A2706G
A3480G T4561C A4769G C7028T A8860G G9055A T9698C T9716C A10550G
T11299C A11467G G11719A G11969A A12308G G12372A C14167T C14766T
T14798C A15326G T16224C T16311C T16519C

337. **EU327986 - Homo sapiens hg K2a2a mitochondrion, complete genome**
A73G T146C T152C A263G 315insC A512C G709A A750G A1438G A1811G A2706G
A3480G T4561C A4769G C7028T G8697A A8860G G9055A A9254G T9698C T9716C
A10550G T11299C C11348T A11467G G11719A G11914A A12308G G12372A
C14167T C14766T T14798C A15326G T16224C T16311C T16519C

338. **EU825946 - Homo sapiens hg K2b mitochondrion, complete genome**
A73G T146C A263G 309insC 315insC A750G A1438G A1811G C2217T A2706G
A3480G A4769G G5231A C7028T A8860G G9055A T9698C T9716C A10550G
T11299C A11467G G11719A C11869A A12308G G12372A G12771A G13135A
A14037G C14167T C14766T T14798C A15326G T16224C C16270T T16311C C16355T
T16519C

339. **EU770310 - Homo sapiens hg K2b mitochondrion, complete genome**
A73G T146C A263G 315insC A750G A1438G A1811G C2217T A2706G A3480G
A4769G G5231A C7028T A8860G G9055A T9698C T9716C A10550G T11299C
G11440A A11467G G11719A C11869A A12308G G12372A G13135A A14002G
A14037G C14167T C14766T T14798C G15153A A15326G T16086C C16222T T16224C
C16270T T16311C T16519C

340. **EU669888 - Homo sapiens hg K2b mitochondrion, complete genome**
A73G T146C A263G 315insC A488G A750G A1438G A1811G C2217T A2706G
A3480G A4769G G5231A C7028T T7080C A8860G T8911C G9055A T9698C T9716C
A10550G T11299C A11467G G11719A C11869A A12308G G12372A G13135A
A14037G C14167T C14766T T14798C A15326G T16224C C16270T T16311C T16519C

341. **EU294321 - Homo sapiens hg K2b mitochondrion, complete genome**
A73G T146C A263G 315insC A723G A750G A1438G A1811G C2217T A2706G
A3480G A4769G G5231A C7028T A8860G G9055A T9698C T9716C A10550G
T11299C A11467G G11719A C11869A A12308G G12372A G13135A A14037G
C14167T C14766T T14798C T15262C A15326G T16224C T16311C T16519C

342. **FJ769771 - Homo sapiens hg L2a1 mitochondrion, complete genome**
A73G G143A T146C T152C A263G 315insC C534T A750G G769A G1018A A1438G
T2416C A2706G C2789T C3594T A4104G A4769G T5580C C7028T T7175C C7256T
C7274T G7521A A7771G G8206A A8701G A8860G T9104C A9221G T9540C
T10115C A10398G T10873C G11719A G11914A T11944C T12408C A12693G C12705T
G13590A C13650T A13803G A14566G C14766T G15301A A15326G T15784C
T16189C C16192T C16223T C16278T C16294T A16309G G16390A

343. **EU564850 - Homo sapiens hg L2a1 mitochondrion, complete genome**
A73G T146C T152C T195C A263G 309insC 315insC C534T A750G G769A G1018A
A1438G T2416C A2706G C2789T C3573A C3594T A4104G A4769G C5366A C7028T
T7175C C7256T C7274T G7521A A7771G G8206A A8701G A8860G A9221G T9540C
T10115C A10398G T10873C G11719A G11914A T11944C A12693G C12705T

G13590A C13650T A13803G T14180C A14566G C14766T G15301A A15326G
T15784C T16189C C16192T C16223T C16278T C16294T A16309G

344. EU547188 - Homo sapiens hg L2a1 mitochondrion, complete genome

A73G T146C T152C T195C A263G 309insC 315insC C534T A750G G769A G1018A
A1438G T2416C A2706G C2789T C3594T A4104G A4769G C5366A C7028T T7175C
C7256T C7274T G7521A A7771G G8206A A8701G A8860G A9221G T9540C T10115C
A10398G T10873C G11719A G11914A T11944C A12693G C12705T G13590A C13650T
A13803G T14180C A14566G C14766T G15301A A15326G T15784C T16189C C16192T
C16223T C16278T C16294T A16309G G16390A

345. FJ228403 - Homo sapiens hg L2b mitochondrion, complete genome

A73G T146C C150T T152C C182T A183G T195C C198T T204C A263G 309insC
315insC A385G C418T 522delC 523delA A750G G769A G1018A A1438G G1442A
C1706T C2332T A2358G T2416C A2706G C3594T A4104G A4158G T4370C A4767G
A4769G C5027T C5331A T5814C G6026A A6629G C6713T C7028T C7256T G7521A
T7624A C8080T G8206A G8387A A8701G A8860G A9221G T9540C T10115C
A10398G T10828C T10873C G11719A T11944C G12236A C12705T A12948G
G13590A C13650T C13924T A14059G C14766T G15110A G15217A G15301A
A15326G C16114A G16129A G16153A G16213A C16223T G16274A C16278T
T16311C T16362C G16390A

346. GU056815 - Homo sapiens hg L3e1 mitochondrion, complete genome

A73G C150T G185A A189G A200G A263G 315insC A750G A1438G T2352C A2706G
A4769G T6221C C6587T T6896C C7028T T8300C A8701G A8860G T9540C A10398G
A10819G T10873C G11719A C12705T A14053G A14152G T14212C C14766T G15301A
A15326G T15670C T15942C T16086C C16223T T16311C C16327T

347. EU294322 - Homo sapiens hg M* mitochondrion, complete genome

A73G T125C T127C C128T C150T A189G C194T A263G 315insC T318C T489C
A750G A1438G A2706G C4170T A4769G T5580C C7028T T8005C A8701G A8860G
T9540C A10398G C10400T T10873C G11719A A12030G A12358G G12372A C12705T
G14016A G14569A A14693G T14727C C14766T T14783C A15010G G15043A
G15301A A15326G A15463G C15651T T16093C C16223T C16290T T16519C

348. EU219349 - Homo sapiens hg M8a2a mitochondrion, complete genome

A73G T152C A263G C271T 309insC 309insC 315insC T489C A750G A1438G A2706G
C2835T C4670T A4715G A4769G G6179A T6671C C7028T C7196A G8584A C8684T
A8701G A8860G T9540C A10398G C10400T T10873C C11428A G11719A C12705T
A13050G T14470C C14766T T14783C G15043A G15301A A15326G A15487T C16184T
C16223T T16298C G16319A

349. EU148486 - Homo sapiens hg M33c mitochondrion, complete genome

A73G A263G 315insC T489C A750G A1438G G2361A A2706G G3316A A4079G
C4182T C4577T A4769G A5894G C7028T A7364G T8227C A8701G T8848C A8860G

T9540C A10398G C10400T T10873C G11719A C12705T C14766T T14783C G15043A
G15301A A15326G C16111T C16223T A16235G T16362C T16519C

350. GU361771 - Homo sapiens hg N1b2 mitochondrion, complete genome

A73G T152C A263G 309insC 315insC A750G A1438G G1598A C1703T G1719A
C2639T A2706G C3921A C4735A A4769G A4917G C4960T G5471A C7028T G8251A
C8472T A8836G A8860G T10238C G11719A A11928G C12092T G12501A C12705T
A12822G C13129T G13708A A13710G T14581C C14766T A15326G G16145A C16176A
C16223T G16390A T16519C

351. GU320211 - Homo sapiens hg N1b2 mitochondrion, complete genome

A73G T152C A263G 309insC 315insC A750G A1438G G1598A C1703T G1719A
C2639T A2706G C3921A C4735A A4769G A4917G C4960T G5471A C7028T G8251A
C8472T A8836G A8860G T10238C G11719A A11928G C12092T G12501A C12705T
A12822G C13129T G13708A A13710G T14581C C14766T A15326G G16145A
C16176A C16223T G16390A T16519C

352. GU451313 - Homo sapiens hg R1a mitochondrion, complete genome

A73G A263G C295A 309insC 315insC A750G T1391C A1438G A2706G A3360G
A4026G A4769G A4917G A5378G T5492C C5586T A5823G C6557T T6671C C7028T
A7424G T7547C T8388C C8765T A8860G A8887G A10658G A10825G G11719A
C11977T C13948T C14632T C14766T A15326G T15721C T16311C T16519C

353. EU979542 - Homo sapiens hg T1 mitochondrion, complete genome

A73G T152C A263G 309insC 315insC G709A A1438G G1888A A2706G T4216C
A4769G A4917G C6224T A7001G C7028T G8697A A8860G T10463C A11251G
G11719A C12633A G13368A C14766T G14905A A15326G C15452A A15607G
G15928A T16126C A16163G C16186T T16189C T16263C C16294T T16519C

354. EU369395 - Homo sapiens hg T1 mitochondrion, complete genome

A73G A263G 315insC G709A A750G A1438G G1888A A2706G C3867T T4216C
A4769G A4917G C7028T G8697A A8860G A10376G T10463C A11251G G11719A
C12633A G13368A C14766T G14905A G15024R A15326G C15452A A15607G
G15928A T16126C A16163G T16189C C16294T T16519C

355. EF645646 - Homo sapiens hg T1 mitochondrion, complete genome

A73G T146C T152C T195C A263G 309insC 315insC G709A A750G A1438G G1888A
A2706G T4216C A4769G A4917G G6480A C7028T T7258C G8697A A8860G T10321C
T10463C A11251G G11719A C12633A G13368A C14766T G14905A A15326G
C15452A A15607G C15727T G15928A T16126C A16163G C16186T T16189C C16294T
T16519C

356. FJ480957 - Homo sapiens hg T1a mitochondrion, complete genome

A73G T146C T152C T195C A263G 309insC 315insC G709A A750G A1438G G1888A
C2380T A2706G C4155T T4216C A4769G A4917G G5054A C7028T G8697A A8860G
T9899C T10463C A11251G G11719A A12308G C12633A G13368A C14766T G14905A

A15326G C15452A A15607G G15928A T16126C A16163G C16186T T16189C
C16256T C16294T T16519C

357. EU882063 - Homo sapiens hg T1a mitochondrion, complete genome

A73G T152C T195C A263G 309insC 315insC G709A A750G A1438G G1888A
A2706G T4216C A4769G A4917G A5414G A5558G C7028T G8697A A8860G T9899C
T10463C A11251G G11719A C12633A G13368A C14766T G14905A A15326G
T15412C C15452A A15607G G15928A T16126C A16163G C16186T T16189C C16294T
T16519C

358. EU367994 - Homo sapiens hg T1a mitochondrion, complete genome

A73G T152C T195C A263G 315insC G709A A750G A1438G G1888A A2706G
T4216C A4769G A4917G C7028T C7567T G8697A A8860G T9899C T10463C
A11251G G11719A C12633A G13368A C14766T G14905A A15326G C15452A
A15607G G15928A T16126C A16163G T16172C C16186T T16189C C16294T T16519C

359. GU944473 - Homo sapiens hg T1a1 mitochondrion, complete genome

A73G T152C T195C A263G 315insC G709A A750G A1438G G1888A A2706G
T4216C A4769G A4917G C7028T G8697A A8860G T9899C T10463C A11251G
G11719A C12633A G13368A A14696G C14766T G14905A A15326G C15452A
A15607G G15928A T16126C A16163G C16186T T16189C C16294T T16519C

360. GU365880 - Homo sapiens hg T1a mitochondrion, complete genome (T1a1)

A73G T152C T195C A263G 309insC 315insC G709A A750G A1438G G1888A A2706G
T4216C A4769G A4917G C7028T G8697A A8860G T9899C T10463C A11251G
G11719A C12633A G13368A C14766T G14905A A15326G C15452A A15607G
G15928A T16126C A16163G C16186T T16189C G16274R C16294T T16519C

361. FJ878777 - Homo sapiens hg T1b mitochondrion, complete genome

A73G A263G 309insC 315insC G709A A750G A1438G T1542C G1888A A2706G
T4216C A4769G A4917G C7028T G8697A A8860G T10463C A11251G G11719A
C12633A G13368A C14766T G14905A A15326G C15452A A15607G G15928A
T16126C A16163G T16189C T16243C C16294T T16519C

362. GU565218 - Homo sapiens hg T2 mitochondrion, complete genome

A73G C150T A263G 309insC 309insC 315insC 524insA 524insC G709A A750G
A1438G G1888A A2706G T4216C A4769G A4917G C7028T G8697A A8860G T10463C
A11251G G11719A A11812G G13368A A14233G C14766T G14905A A15326G
C15452A A15607G G15928A T16126C G16153A C16294T C16296T T16519C

363. FJ238094 - Homo sapiens hg T2 mitochondrion, complete genome

A73G T195C C198T A263G 309insC 315insC G709A A750G A1438G G1888A
A2706G T4216C A4769G A4917G C7028T G8697A A8860G T10463C A11251G
G11719A A11812G T13020C G13368A T13965C A14233G C14766T G14905A
A15326G C15452A A15607G G15928A T16126C C16294T C16295T T16519C

364. **EU703624 - Homo sapiens hg T2 mitochondrion, complete genome**
A73G C150T A263G 309insC 309insC 315insC G709A A750G A1438G G1888A
A2706G T4216C A4769G A4917G C7028T G8697A A8860G T10463C A11251G
G11719A A11812G G13368A A14233G C14766T G14905A A15326G C15452A
A15607G G15928A T16126C G16153A T16189C G16274A C16294T C16296T T16519C

365. **EU700086 - Homo sapiens hg T2 mitochondrion, complete genome**
A73G C150T T152C A263G 315insC G709A A750G A1438G G1888A A2706G
A3203G T4216C A4769G A4917G C7028T G8697A A8860G T10463C A11251G
G11719A A11812G G13368A A14233G C14766T G14905A G15119A A15326G
C15452A A15607G G15928A T16126C G16153A C16242T A16246G C16294T
C16320T T16519C

366. **EU258890 - Homo sapiens hg T2 mitochondrion, complete genome**
C41T A73G C150T A263G 309insC 315insC G709A A750G A1438G G1888A A2706G
T4216C A4769G A4917G C7028T G8697A A8860G T10463C A11251G G11719A
A11812G G13368A A14233G C14766T G14905A A15326G C15452A A15607G
G15928A T16126C G16153A A16207T C16294T T16519C

367. **GU553285 - Homo sapiens hg T2a1a mitochondrion, complete genome**
A73G A263G 315insC G709A A750G A1438G G1888A A2706G T2850C T4216C
T4688C A4769G A4917G T7022C C7028T G8697A A8860G T10463C A11251G
G11719A A11812G T12738C T13174C G13368A T13965C A14233G A14687G C14766T
G14905A A15326G C15452A A15607G G15928A T16126C C16294T C16296T T16519C

368. **GU183768 - Homo sapiens hg T2b mitochondrion, complete genome**
A73G A263G 315insC G709A A750G G930A A1438G G1888A A2706G T4216C
A4225G A4769G A4917G G5147A C7028T G7754A G8697A A8860G T10463C
C11242G A11251G G11719A A11812G G13368A A14233G A14693G C14766T
G14905A A15326G C15452A A15607G G15928A T16126C C16294T C16296T T16519C

369. **FJ573258 - Homo sapiens hg T2b mitochondrion, complete genome**
A73G T146C A263G 309insC 315insC C458T G709A A750G G930A A1438G G1709A
G1888A A2706G T4216C A4769G A4917G G5147A C7028T G8697A A8860G G9300A
T10463C A11251G C11533T G11719A A11812G G12007A G13368A A14233G C14766T
G14905A A15326G C15452A A15607G G15928A T16126C A16137G C16294T C16296T
T16304C T16519C

370. **EU926622 - Homo sapiens hg T2b mitochondrion, complete genome**
C41T A73G T146C A263G 315insC T319C G709A A750G G930A A1438G G1888A
A2706G A3441G T4216C C4387T A4769G A4917G G5147A C7028T G8697A A8860G
T9861C T10463C A11251G G11719A A11812G G13368A A14233G C14766T G14905A
A15326G C15452A A15607G G15928A T16126C C16294T T16304C T16519C

371. **EU747356 - Homo sapiens hg T2b mitochondrion, complete genome**

A73G T152C A263G 315insC G709A A750G G930A A1438G G1888A A2706G
T4216C A4769G A4917G G5147A C7028T G8697A A8860G T10463C A11251G
G11719A A11812G G13368A A14233G C14766T G14905A A15326G C15452A
A15607G G15928A T16126C C16294T C16296T T16304C T16519C

372. EU744542 - Homo sapiens hg T2b mitochondrion, complete genome

A73G A263G 315insC 522delC 523delA G709A A750G G930A A1438G G1888A
A2706G T4216C A4769G A4917G G5147A A6126G C7028T G8697A A8860G
T10463C A11251G G11719A A11812G G13368A G13928C A14233G C14766T
G14905A A15326G C15452A A15607G G15928A T16126C C16294T C16296T
T16304C T16519C

373. EU683970 - Homo sapiens hg T2b mitochondrion, complete genome

A73G T152C A263G 315insC G709A A750G G930A A1438G G1888A A2706G
T4216C A4769G A4917G G5147A C7028T G8697A A8860G T10463C C11242G
A11251G G11719A A11812G G13368A A14233G C14766T G14905A A15326G
C15452A A15607G G15928A T16126C C16294T T16519C

374. EU682394 - Homo sapiens hg T2b mitochondrion, complete genome

A73G A263G 309insC 315insC 524insA 524insC G709A A750G G930A A1438G
G1888A A2706G T4216C A4769G A4917G G5147A A5836G C7028T 8276delC
8277delT 8278delC 8279delT 8280delA 8281delC 8282delC 8283delC 8284delC G8697A
A8860G T10463C A11251G G11719A A11812G G13368A A14233G C14766T G14905A
A15326G C15452A A15607G G15928A T16126C C16294T C16296T T16304C T16519C

375. EU494628 - Homo sapiens hg T2b mitochondrion, complete genome

A73G T152C A263G 309insC 315insC G709A A750G G930A A1438G G1888A
A2706G T4216C A4769G A4917G G5147A C7028T G8697A A8860G A9254G
T10463C A11251G G11719A A11812G G13368A A14233G C14766T G14905A
A15326G C15452A A15607G G15928A T16126C C16239T C16294T T16304C T16519C

376. EU492455 - Homo sapiens hg T2b mitochondrion, complete genome

A73G T152C A263G 309insC 315insC G709A A750G G930A A1438G G1719A
G1888A A2706G G3918A T4216C A4769G A4917G G5147A C7028T G8697A A8718G
A8860G A9254G A10398G T10463C A11251G C11563T G11719A A11812G G13368A
A14233G C14766T G14905A A15326G C15452A A15607G G15928A T16126C
A16181G C16294T T16304C T16519C

377. GU048747 - Homo sapiens hg T2c mitochondrion, complete genome

A73G T146C A263G 309insC 315insC 522delC 523delA G709A A750G A1438G
G1888A A2706G T4216C A4769G A4917G G6261A C7028T G8697A A8860G T10463C
C10822T A11251G G11719A A11812G T12678C G13368A C13977T A14233G C14766T
G14905A A15326G C15452A A15607G G15928A T16126C C16292T C16294T G16438A
T16519C

378. GU944474 - Homo sapiens hg T2e mitochondrion, complete genome

C41T A73G C150T A200G A263G 309insC 315insC 522delC 523delA G709A A750G A1438G G1888A A2706G T3290C T4216C A4769G A4917G C7028T C8583T G8697A A8860G T10463C A11251G G11719A A11812G G13368A C13725T A14233G C14766T G14905A A15326G C15452A A15607G G15928A G16153A C16294T T16519C

379. GU932663 - Homo sapiens hg T2f1 mitochondrion, complete genome

A73G T195C A263G 315insC G709A A750G A1438G G1888A A2706G T4216C A4769G A4917G T5277C T5426C C6489A C7028T C8270T 8281delC 8282delC 8283delC 8284delC 8285delC 8286delT 8287delC 8288delT 8289delA G8697A A8860G T10463C A11251G G11719A A11812G G13368A A14233G C14766T G14905A C15028A G15043A A15326G C15452A A15607G G15928A T16126C 16182delA 16183delA T16189C 16193insC 16193insC C16294T C16296T T16298C T16519C

380. GU218692 - Homo sapiens hg U1a1 mitochondrion, complete genome (U1a1a1)

A73G T195C A263G C285T 315insC A385G 522delC 523delA A750G A1438G C2218T T2486C A2706G 3158insT G3591A A4769G G4991A G6026A C7028T A7430G T7581C A8860G A11467G G11719A A12308G G12372A T12879C A13104G A13422G A14070G G14364A C14766T G15148A A15326G T15804C A15954C T16092C T16189C T16249C C16294T

381. EU330890 - Homo sapiens hg U2b mitochondrion, complete genome

A73G T146C A263G 315insC A750G A1438G G1598A A1811G G3915A A4093G A4769G A5186T C7028T A8289G A8860G A11467G G11719A C11743T G11914A C12106T A12308G G12372A A13105G G13194A C14112A C14766T C15049T A15326G A16051G C16256T A16318G

382. HM000084 - Homo sapiens hg U2e mitochondrion, complete genome

A73G T152C T217C A263G 315insC A508G A750G A1438G A1811G A2706G A3720G G3849A T4553C A4769G A5390G T5426C C6045T T6152C C7028T C7235A C7418T C7427T T7624C T8473C A8860G A10876G A11467G G11719A A12308G G12372A C12557T T13020C T13734C C14766T T14788C A15326G A15907G A16051G T16092C G16129C 16183delA T16189C 16193insC T16362C T16519C A16525G

383. FJ984932 - Homo sapiens hg U2e mitochondrion, complete genome

A73G T152C T217C A263G 315insC A508G A750G A1438G A1811G A2706G A3720G G3849A T4553C A4769G A5390G T5426C C6045T T6152C C7028T C7235A C7427T T7624C T8473C A8860G G9452A A10876G A11467G G11719A A12308G G12372A C12557T T13020C T13734C C14766T T14788C A15326G A15907G A16051G T16092C G16129C A16183C T16189C T16362C T16519C A16525G

384. FJ828532 - Homo sapiens hg U2e mitochondrion, complete genome

A73G T152C T217C A263G 309insC 309insC 315insC C340T A508G 524insA 524insC A750G A1438G A1811G A2706G A3720G A4769G A5390G T5426C C6045T T6152C C7028T A8860G A10876G C11197T A11467G G11719A T11732C A12308G G12372A T13020C T13734C C14766T A15326G A15907G A16051G T16093C G16129C A16183C T16189C A16194C T16195C T16362C T16519C

385. FJ490554 - Homo sapiens hg U2e mitochondrion, complete genome

A73G T152C A263G 309insC 315insC C340T A508G 524insA 524insC A750G A1438G A1811G A2706G C3116T T3197C A3720G A4769G A5390G T5426C C6045T T6152C C7028T A8860G A10876G C11197T A11467G G11719A T11732C A12172G A12308G G12372A T13020C T13734C G13928A C14766T A15326G A15907G A16051G G16129C A16183C T16189C T16362C T16519C

386. EF452294 - Homo sapiens hg U2e mitochondrion, complete genome

A73G T152C T217C A263G 309insC 315insC C340T A508G 522delC 523delA A750G A1438G A1811G C2526T A2706G A3720G A4769G A5390G T5426C C6045T T6152C C7028T A8860G A10876G A11467G G11719A A12308G G12372A G12618A T13020C T13734C C14766T A15326G A15907G A16051G C16111T G16129C G16145A A16183C T16189C A16272G C16287T T16362C T16519C

387. FJ968795 - Homo sapiens hg U3a mitochondrion, complete genome

A73G C150T A263G 309insC 315insC A750G A1438G A1811G A2294G A2706G G3010A T4703C A4769G C6518T C7028T G7521A A8860G T9098C G9266A G9380A A10506G A11467G G11719A A12308G G12372A C13934T A14139G C14766T A15326G T15454C T16189C A16343G G16390A T16519C

388. EU057183 - Homo sapiens hg U3a mitochondrion, complete genome

A73G C150T A263G 309insC 315insC A750G A1438G A1811G A2294G A2706G G3010A T4703C A4769G C6518T C7028T A8860G G9266A A10506G A11467G G11719A A12308G G12372A C13934T A14139G C14766T A15326G T15454C T16189C A16343G G16390A T16519C

389. FJ711758 - Homo sapiens hg U3b mitochondrion, complete genome

A73G C150T A263G 309insC 309insC 315insC A750G A1438G A1811G A2706G C3546A A4188G C4640A A4769G A6359G C7028T A8860G T9656C A11467G G11719A A12308G G12372A A12720G T13743C A14139G C14766T A15326G T15454C A16343G

390. EU428753 - Homo sapiens hg U4a mitochondrion, complete genome (U4a1b1a)

A73G T152C T195C A263G C296T 315insC G499A 524insA 524insC A745G A750G A1438G A1811G A2706G C3204T T4646C A4769G T5999C A6047G C7028T G7119A T8705C C8818T A8860G C11332T A11467G G11719A A12308G G12372A A12937G C14620T C14668T C14766T A15326G T15693C G16129A C16134T T16356C T16519C

391. GU252762 - Homo sapiens hg U4a1b mitochondrion, complete genome (U4a1b1a)

A73G T152C T195C A263G C296T 315insC G499A 524insA 524insC A745G A750G A1438G A1811G A2706G C3204T T4646C A4769G T5999C A6047G C7028T T8705C C8818T A8860G C11332T A11380G A11467G G11719A A12308G G12372A A12937G C14620T C14766T A15326G T15693C T16086C G16129A C16134T T16356C T16519C

392. GU562438 - Homo sapiens hg U4a1b1 mitochondrion, complete genome

A73G T152C T195C A263G C296T 315insC G499A A745G A750G A1438G A1811G
A2706G C3204T T4646C A4769G T5999C A6047G C7028T C8818T A8860G C11332T
A11467G G11719A A12308G A12352G G12372A A12937G C14620T C14766T
A15326G T15693C C16134T T16356C T16519C

393. GQ200592 - Homo sapiens hg U4a3 mitochondrion, complete genome

A73G T195C G247A A263G 315insC G499A 524insA 524insC 524insA 524insC
524insA 524insC A750G A1438G A1811G A2706G A2792G T4646C A4769G T5999C
A6047G C6665T A6929G C7028T G8065A C8818T A8860G C11332T A11467G
G11719A A12308G G12372A C14620T C14766T A15326G T15693C A16265G
T16356C T16362C T16519C

394. FJ858802 - Homo sapiens hg U4b mitochondrion, complete genome (U4b1a3a)

A73G T146C T195C A263G 309insC 315insC G499A A750G A1438G A1811G A2706G
A3672G T4646C A4769G 5752delA T5999C A6047G C7028T A7265G T7705C A8860G
T9989C C11332T T11339C A11467G C11674T G11719A A12308G G12372A C13173T
C14620T C14766T A15326G T15693C C16355T T16356C T16519C

395. GU797476 - Homo sapiens hg U4b1 mitochondrion, complete genome (U4b1b1b)

A73G T146C T152C T195C A263G 309insC 309insC 315insC G499A A750G A1438G
A1811G A2706G T4646C A4769G T5999C A6047G C7028T T7705C A8033R A8860G
C11332T T11339C A11467G G11719A A12308G G12372A A13528G C13565T
C14620T C14766T A15326G T15693C C16111T T16140C T16189C T16356C T16519C

396. EF452295 - Homo sapiens hg U4b mitochondrion, complete genome (U4b2a1a)

A73G T195C A263G 309insC 309insC 315insC G499A 524insA 524insC 524insA
524insC A750G C1185T A1438G A1811G A2706G T4646C A4769G T5999C A6047G
C7028T T7705C T8433C A8860G C11332T A11467G G11719A A12308G G12372A
T14178C C14620T C14766T A15326G T15693C G15883A T16136C C16278T T16356C
T16519C

397. GU365881 - Homo sapiens hg U4b mitochondrion, complete genome (U4b2a1a1)

A73G T195C A263G 309insC 315insC G499A 524insA 524insC A750G C1185T
A1438G A1811G A2706G T4646C A4769G T5999C A6047G C7028T T7705C T8433C
A8860G C11332T A11467G G11719A A12308G G12372A T14178C C14620T C14766T
A15236G A15326G T15693C G15883A T16136C C16278T T16356C T16519C

398. GQ891957 - Homo sapiens hg U4b mitochondrion, complete genome (U4b2a2)

A73G T195C A263G 309insC 315insC G499A 524insA 524insC A750G A1438G
A1811G A2706G T4646C A4769G T5999C A6047G C7028T T7705C A8860G C11332T
A11467G G11719A A12290G A12308G G12372A C14620T C14766T A15326G
T15693C G15883A T16136C C16278T T16356C T16519C

399. EU140898 - Homo sapiens hg U4b mitochondrion, complete genome (U4b2b)

A73G T195C A263G 309insC 309insC 315insC G499A 524insA 524insC A750G
A1438G A1811G A2706G T4646C A4769G T5999C A6047G C7028T T7705C A8860G

C11332T A11467G G11719A A12308G G12372A C14620T C14766T A15326G
T15693C T16136C A16233G T16356C T16519C

400. **GU727823 - Homo sapiens hg U4b mitochondrion, complete genome (U4b3)**

A73G T195C A215G A263G 309insC 315insC G499A 524insA 524insC A750G
A1438G A1811G A2706G T4646C A4769G T5628C T5999C A6047G C7028T T7705C
A8860G G9921A C11332T A11467G G11719A G12236A A12308G G12372A C14620T
C14766T A15326G T15693C T16356C C16360T T16519C

401. **HM003577 - Homo sapiens hg U4c1 mitochondrion, complete genome (U4c1a)**

A73G T195C A263G 309insC 315insC G499A A750G A1438G A1811G A2706G
T4646C A4769G A4811G T5999C A6047G A6146G C7028T A8860G T9070G T10907C
T11009C C11332T A11467G G11719A A12308G G12372A G13928C C14620T
C14766T C14866T A15326G T15693C C16179T T16356C T16519C

402. **GU471242 - Homo sapiens hg U4c1 mitochondrion, complete genome (U4c1a)**

A73G T195C A263G 315insC G499A A750G A1438G A1811G A2706G T4646C
A4769G A4811G T5999C A6047G A6146G C7028T A8860G T9070G T10907C
T11009C C11332T A11467G G11719A A12308G G12372A C14620T C14766T C14866Y
A15326G T15693C C16179T T16356C T16519C

403. **EU135973 - Homo sapiens hg U4 mitochondrion, complete genome (U4c1a)**

A73G C150T T195C A263G 315insC G499A 524insA 524insC 524insA 524insC
524insA 524insC A750G A1438G A1811G A2706G T4646C A4769G A4811G T5999C
A6047G A6146G C7028T A8860G T9070G T10907C T11009C C11332T A11467G
G11719A A12308G G12372A C14620T C14766T C14866T A15326G T15693C C16179T
T16356C T16519C

404. **GU727822 - Homo sapiens hg U4d mitochondrion, complete genome (U4d3)**

A73G T195C A263G 315insC G499A 573insC T629C A750G A1438G A1811G
2405insC A2706G G3918A T4646C A4769G T5999C A6047G C7028T T8288C A8860G
C11332T A11467G G11719A A12308G G12372A T14577C C14620T C14766T
A15326G T15693C T16311C T16356C T16519C

405. **GU244374 - Homo sapiens hg U4d mitochondrion, complete genome (U4d3a)**

A73G T195C A263G 315insC G499A 524insA 524insC 573insC T629C A750G A1438G
A1811G 2405insC A2706G T4646C A4769G T5999C A6047G C7028T T8288C T8610C
A8860G C11332T A11467G G11719A A12308G G12372A T14577C C14620T C14766T
A15326G T15693C T16356C T16519C

406. **GU012633 - Homo sapiens hg U5a mitochondrion, complete genome**

A73G T152C A263G 315insC A750G A1438G A2706G T3197C A4769G G6962A
C7028T T8699C A8860G T9315C G9477A C10619T A11467G G11719A A12308G
G12372A T13617C C14766T A14793G A15316G A15326G C16192T C16256T C16270T
C16278T G16526A

407. **EU215455 - Homo sapiens hg U5a mitochondrion, complete genome**
A73G T152C A263G 309insC 315insC A750G A1438G A2706G T3197C A4769G
C7028T A8860G A9180G G9477A A11467G G11719A A12308G G12372A T13617C
A13827G G13928C T14106C C14766T A14793G A15326G C16114A C16192T
C16256T C16270T C16294T G16526A
408. **EU151864 - Homo sapiens hg U5a mitochondrion, complete genome**
A73G A263G 309insC 315insC A750G A1438G A2706G T3197C A4769G C7028T
T7711C A8860G C9469T G9477A C10619T A11467G G11719A A12308G G12372A
C12717T T13617C C14766T A14793G A15326G C16192T C16256T C16270T G16526A
409. **EU124886 - Homo sapiens hg U5a mitochondrion, complete genome**
A73G T152C A263G 315insC A750G A1438G A2706G T3197C T4232C G4655A
A4769G C7028T A8860G G9477A A11467G G11719A A11893G A12308G G12372A
T13617C A13827G G13928C C14766T A14793G A15326G C16114A C16192T
C16256T C16270T C16294T G16526A
410. **EU049814 - Homo sapiens hg U5a mitochondrion, complete genome**
A73G A263G 315insC T650C A750G A1438G A2706G T3197C A4769G C7028T
A7960C A8566G A8860G G9477A C10619T A10709C T11465C A11467G G11719A
A12308G G12372A T13602C T13617C C14766T A14793G A15326G C16256T C16270T
G16526A
411. **EF363686 - Homo sapiens hg U5a mitochondrion, complete genome**
A73G A263G 309insC 315insC 524insA 524insC A750G A1438G A2706G T3197C
T4232C G4655A A4769G C7028T A8860G G9477A G11176A A11467G G11719A
A11893G A12308G G12372A T13617C A13827G G13928C C14766T A14793G
A15326G C16114A C16256T C16270T C16294T G16526A
412. **GU206811 - Homo sapiens hg U5a1 mitochondrion, complete genome**
A73G T152C A263G 309insC 315insC A750G A1438G T1700C A2706G T3197C
A4769G T5495C G6755A C7028T A8860G G9477A A11467G G11719A A12308G
G12372A T13617C C14766T A14793G G15110A A15218G A15326G A15924G
G16145A C16256T C16270T A16399G
413. **GQ368895 - Homo sapiens hg U5a1 mitochondrion, complete genome**
A73G T152C A263G 315insC A750G A1438G T1700C A2706G T3197C A4769G
T5495C C7028T A8860G G9477A A11467G G11719A A12308G G12372A T13617C
C14766T A14793G A15218G A15326G A15924G C16223T C16256T C16270T C16294T
A16399G
414. **GQ160809 - Homo sapiens hg U5a1 mitochondrion, complete genome**
A73G G185A T204C A263G 315insC A750G A1438G T1700C A2706G T3197C
A4769G T5495C T6425C C7028T A8860G G9477A A11467G G11719A A12308G
G12372A C12774A T13617C C14766T A14793G A15218G A15326G A15924G
C16256T C16270T T16362C A16399G

415. **EU698951 - Homo sapiens hg U5a1 mitochondrion, complete genome**
A73G A263G 309insC 315insC A750G A1438G T1700C A2706G T3197C A4769G
T5495C C7028T A8860G G9477A A11467G G11719A A12308G G12372A T13617C
C14766T A14793G A15218G A15326G C15436A A15924G C16256T C16270T
A16399G T16519C
416. **EU523128 - Homo sapiens hg U5a1 mitochondrion, complete genome**
A73G A263G 315insC A750G A1438G T1700C A2706G T3197C A4769G T5495C
C7028T A8860G G9477A A11467G G11719A A12308G G12372A T13617C C14766T
A14793G A15218G A15326G A15924G C16256T C16270T A16399G
417. **EU140744 - Homo sapiens hg U5a1 mitochondrion, complete genome**
A73G A263G 315insC A750G A1438G A2706G T3197C A4769G C7028T A8860G
G9477A A9667G A11467G G11719A A12308G G12372A T13617C C14766T A14793G
A15218G A15326G C16192T C16239T C16256T C16270T C16291T A16399G T16519C
418. **EU140332 - Homo sapiens hg U5a1 mitochondrion, complete genome**
A73G A263G 315insC A750G A1438G A2706G T3027C T3197C A4769G C5263T
C7028T A8860G G9477A A11467G G11719A A12308G G12372A C13002A T13617C
C14766T A14793G A15218G A15326G A16051G C16192T C16256T C16270T A16316G
A16399G T16519C
419. **EU140330 - Homo sapiens hg U5a1 mitochondrion, complete genome**
A73G A263G 315insC A750G A1438G A2706G T3197C A4769G C7028T A8860G
G9055A G9477A A9667G A11467G G11719A A12308G G12372A T13617C C14766T
A14793G A15218G A15326G C16192T C16256T C16270T C16291T A16399G
420. **DQ785296 - Homo sapiens hg U5a1a mitochondrion, complete genome**
A73G G207A A263G 309insC 315insC A750G A1438G T1700C A2706G T3197C
A4769G T5495C C7028T A8860G G9477A A11467G G11719A A12308G G12372A
T13617C A14001G C14766T A14793G A15218G A15326G A15924G C16256T C16270T
A16399G T16519C
421. **GU459066 - Homo sapiens hg U5a1a1 mitochondrion, complete genome**
A73G G185A T204C A263G 315insC A750G A1438G T1700C A2706G T3197C
A4769G T5495C C7028T A8860G G9477A A11467G G11719A A12308G G12372A
T13617C C14766T A14793G A15218G A15326G A15924G C16256T C16270T T16362C
A16399G
422. **GU936107 - Homo sapiens hg U5a1 mitochondrion, complete genome (U5a1b1)**
A73G A263G 315insC A750G A1438G A2706G T3197C A4769G C7028T A8860G
G9477A A9667G A11467G G11719A A12308G G12372A T13617C C14766T A14793G
A15218G A15326G T16093C C16192T C16256T C16270T C16291T A16399G
423. **GU797137 - Homo sapiens hg U5a2a mitochondrion, complete genome**

A73G A263G 309insC 315insC A750G A1438G A2706G G3196A T3197C A4769G
C6434T C7028T A8860G G9477A A11467G G11719A A12308G G12372A T13617C
A13827G G13928C C14766T A14793G A15326G C16114A C16192T C16256T C16270T
C16294T G16526A

424. **GU391321 - Homo sapiens hg U5a mitochondrion, complete genome (U5a2a)**
A73G A263G 309insC 315insC A750G A2706G T3197C A4769G C7028T A8860G
G9477A A11467G G11719A A12308G G12372A G12630A T13617C A13827G G13928C
C14766T A14793G A15326G C16114A C16192T C16256T C16270T T16271C C16294T
G16526A

425. **GU371930 - Homo sapiens hg U5a mitochondrion, complete genome (U5a2b)**
A73G A263G 315insC A750G A1438G A2706G T3197C T3398C A4769G C7028T
G7664A A8860G G9477A G9548A A11467G G11719A A12308G G12372A T13617C
C14766T A14793G A15326G A16066G C16192T C16256T C16270T G16526A

426. **EF397754 - Homo sapiens hg U5a2d mitochondrion, complete genome**
A73G A263G 309insC 315insC 522delC 523delA A750G A1438G A2706G T3197C
C3750T A4769G C7028T A7843G C7978T T8104C G8155R A8860G G9477A C11107T
A11467G G11719A A12308G G12372A T13617C C14766T A14793G A15326G C16256T
C16270T T16304C G16526A

427. **EU926618 - Homo sapiens hg U5b mitochondrion, complete genome**
A73G C150T A263G 309insC 315insC 524insA 524insC A750G A1438G A2706G
T3197C A4769G C7028T G7226A A7768G A8860G G9477A A10978G A11467G
G11719A A12308G G12372A T13617C T14182C C14766T C14803T A15326G C16192T
A16235G C16270T T16304C C16465T

428. **EU130681 - Homo sapiens hg U5b mitochondrion, complete genome**
A73G C150T G228A A263G 309insC 315insC A750G A1438G A2706G T3197C
A4769G C7028T G7226A A7768G A8860G G9196A G9477A A11467G G11719A
A12308G G12372A T13617C T14182C C14766T A15326G C16192T C16270T T16304C
G16526A

429. **GU295665 - Homo sapiens hg U5b1 mitochondrion, complete genome**
A73G C150T T152C A263G 315insC 522delC 523delA A750G A1438G A2706G
A2757G T3197C A4769G A5656G C7028T A7768G A8860G G9477A A10283G
A11467G G11719A A12308G G12372A T12616C T13608C T13617C T14182C C14766T
A15326G G16129A T16189C C16270T C16465T T16519C

430. **FJ499497 - Homo sapiens hg U5b1 mitochondrion, complete genome**
A73G C150T T152C A263G 315insC 522delC 523delA A750G A1438G A2706G
A2757G T3197C T4209C A4769G A5656G C7028T A7768G A8860G G9477A
A10283G A11467G G11719A A12308G G12372A T12616C T13617C T14182C
C14766T A15326G T16189C C16270T C16465T

431. **FJ194437 - Homo sapiens hg U5b1 mitochondrion, complete genome**
A73G C150T A263G 315insC 524insA 524insC A750G A1438G A2706G T3197C
A4769G A5656G A7768G A8860G A9389G G9477A A11467G G11719A A12308G
G12372A T13617C T14182C C14766T T15097C A15326G T16189C C16192T C16270T

432. **EF420876 - Homo sapiens hg U5b1 mitochondrion, complete genome**
A73G C150T A263G 315insC A750G A1438G A2706G T3197C A4769G G5460A
A5656G C7028T A7768G T8551C C8622T A8860G G9477A A11467G G11719A
A12308G G12372A T13617C G13708A T14182C C14766T A15326G T16189C C16192T
C16270T

433. **EU367993 - Homo sapiens hg U5b1 mitochondrion, complete genome (U5b1b)**
A73G C150T T217C A263G 309insC 315insC A750G A1438G A2706G T3197C
A4769G A5656G C7028T A7768G A8860G G9477A A11467G G11719A A12308G
G12372A G12618A T13617C T14182C C14766T G15317A A15326G T16189C C16192T
C16270T

434. **GU815340 - Homo sapiens hg U5b1b mitochondrion, complete genome (U5b1b1)**
A73G C150T A263G 309insC 315insC A750G A1438G A2706G T3197C A4718G
A4769G A5656G C7028T C7133A A7385G A7768G A8860G G9477A T10927C
A11467G G11719A A12308G G12372A G12618A T13617C T14182C C14766T
T15071C A15326G T16093C T16189C C16270T

435. **FJ842500 - Homo sapiens hg U5b1b mitochondrion, complete genome (U5b1b1)**
A73G C150T A263G 309insC 315insC A750G A1438G A2706G T3197C A4769G
A5656G C7028T A7385G A7768G A8413G A8860G G9477A T10927C A11467G
G11719A A12308G G12372A G12618A T13617C T14182C C14766T A15326G
T16189C C16192T C16270T C16320T

436. **DQ781338 - Homo sapiens hg U5b1b mitochondrion, complete genome (U5b1b1)**
A73G C150T T152C A200G A263G 309insC 315insC A750G A1438G T2387C A2706G
T3197C A4769G A5656G C7028T A7385G A7768G A8860G G9477A T10927C
A11467G G11719A A12308G G12372A G12618A T13617C T14182C C14766T A15326G
T16189C C16270T

437. **EF420877 - Homo sapiens hg U5b1b mitochondrion, complete genome (U5b1b1a)**
A73G C150T G207A A263G 315insC A750G A1438G A2706G T3197C A4769G
A5656G C7028T A7385G A7768G A8860G G9477A T10907C T10927C A11467G
G11719A A12308G G12372A G12618A T13617C T14182C C14766T A15326G T16144C
T16189C C16270T

438. **DQ661681 - Homo sapiens hg U5b1c mitochondrion, complete genome**
A73G T146C C150T A263G 309insC 315insC C516T A750G A1438G A2706G T3197C
A4769G A5656G C7028T A7768G A8860G T9110C G9477A A11467G G11719A
A12308G G12372A T13617C T14182C C14766T T15191C A15326G C16174T T16189C
C16270T T16311C

439. **GU977214 - Homo sapiens hg U5b1d mitochondrion, complete genome**
A73G C150T A263G 315insC A750G A1438G A2706G T3197C A4769G C5437T
A5656G C7028T A7768G G7912A A8860G G9477A A11467G G11719A A12308G
G12372A T13617C T14182C C14766T A15326G A15631G T15721C C16192T C16218T
C16270T C16320T

440. **GQ853200 - Homo sapiens hg U5b2 mitochondrion, complete genome**
A73G C150T A263G 315insC A750G A896G A1438G C1721T A2706G T3197C
A4732G A4769G C7028T A7768G A8860G G9477A A11467G G11719A A12308G
G12372A T13617C A13637G T14182C C14766T A15326G T15511C C16185T C16192T
T16311C

441. **GQ132188 - Homo sapiens hg U5b2 mitochondrion, complete genome**
A73G C150T A263G 309insC 315insC A750G A1438G C1721T A2706G T3197C
G4092A C4616T A4769G C7028T G7521A A7768G G8027A A8860G G9477A
A11467G A11653G G11719A A12308G G12372A A12634G T13617C A13630G
A13637G T14182C C14766T A15326G A16051G T16189C C16270T

442. **FJ916904 - Homo sapiens hg U5b2 mitochondrion, complete genome**
A73G C150T A263G T279C 315insC A517T A750G A1438G C1721T A2706G A2755G
T3197C T3338C A4769G G5261A A5843G C7028T A7768G A8860G G9477A A9494G
A11467G A11653G G11719A A12308G G12372A A12634G T13617C A13630G
A13637G T14182C C14766T A15326G C15790T T15905C C16114T T16224C C16270T

443. **FJ887848 - Homo sapiens hg U5b2 mitochondrion, complete genome**
A73G C150T T152C A263G 315insC A750G A1438G C1721T A2706G T3197C
A4732G A4769G T5918C C7028T A7768G A8860G G9477A A11467G G11719A
G11963A A12308G G12372A T13617C A13637G T14182C G14323A C14766T
A15326G T16189C A16300G T16325C

444. **FJ664616 - Homo sapiens hg U5b2 mitochondrion, complete genome**
A73G C150T A263G 309insC 315insC A750G A1438G C1721T A2581G A2706G
T3197C A4732G A4769G C7028T A7768G C8657T A8706G A8860G G9055A G9477A
C10654T A11467G G11719A A11725G A12308G G12372A T13617C A13637G T14182C
C14766T A15326G T15940C T16189C C16270T T16311C

445. **EU784076 - Homo sapiens hg U5b2 mitochondrion, complete genome**
A73G C150T 249delA A263G 309insC 315insC A750G A896G C958T A1438G C1721T
T2445C A2706G T3197C A4732G A4769G C7028T A7768G A8860G G9477A
A11467G G11719A A12308G G12372A T13617C A13637G T14182C C14766T
A15326G T15511C C16192T T16311C

446. **EU694385 - Homo sapiens hg U5b2 mitochondrion, complete genome**
A73G C150T A263G 309insC 315insC A723G A750G 960insC 960insC A1438G
C1721T A2706G T3197C A3861G A4769G A5836G C7028T A7768G C8216T A8860G

G9477A A10262G A11467G G11719A A12308G G12372A A13017G T13617C
A13637G T14182C C14766T A15326G T16189C C16192T T16249C C16270T

447. **EU682506 - Homo sapiens hg U5b2 mitochondrion, complete genome**
A73G C150T A263G 309insC 315insC 524insA 524insC A750G A1438G C1721T
A2706G T3197C A3744G A4732G A4769G C7028T A7768G A8860G G9477A
T10031C A11467G G11719A A12308G G12372A T13617C A13637G T14182C
C14766T A15326G T16093C T16189C C16192T C16270T G16319A

448. **EU594543 - Homo sapiens hg U5b2 mitochondrion, complete genome**
A73G C150T A263G 315insC A750G A1438G C1721T A2706G T3197C A3861G
A4769G C7028T A7768G A8860G G9477A A11467G A11653G G11719A A12308G
G12372A A12634G T13617C A13630G A13637G T14182C T14374C C14766T
A15326G G15497A C16270T C16292T T16311C T16362C

449. **EU490797 - Homo sapiens hg U5b2 mitochondrion, complete genome**
A73G C150T A263G 309insC 315insC A723G A750G 960insC A1438G C1721T
A2706G T3197C A3861G A4769G A5836G C7028T A7768G A8860G G9477A
A10262G A11467G G11719A A12308G G12372A A13017G T13617C A13637G
T14182C C14766T A15326G C16192T T16249C C16270T A16309G

450. **EU244000 - Homo sapiens hg U5b2 mitochondrion, complete genome**
A73G C150T A263G 315insC A750G A896G A1438G C1721T A2706G T3197C
A4732G A4769G C7028T A7768G A8860G G9477A A11329G A11467G G11719A
A12308G G12372A T13617C A13637G T14182C C14766T A15326G T15511C C16192T
T16311C

451. **EU233797 - Homo sapiens hg U5b2 mitochondrion, complete genome**
A73G C150T A263G 309insC 315insC A750G A1438G C1721T A2581G A2706G
T3197C A4732G A4769G C7028T A7768G C8657T A8706G A8860G G9055A G9477A
C10654T A11467G G11719A A11725G A12308G G12372A T13617C A13637G
T14182C C14766T A15326G T15940C T16189C C16270T T16311C

452. **EU182656 - Homo sapiens hg U5b2 mitochondrion, complete genome**
A73G C150T T152C A263G 315insC A750G A1438G C1721T A2706G T3197C
A4732G A4769G T5918C C7028T A7768G A8860G G9477A A11467G G11719A
A12308G G12372A T13617C A13637G T14182C G14323A C14766T A15326G
T16189C T16325C

453. **EF459670 - Homo sapiens hg U5b2 mitochondrion, complete genome**
A73G C150T A263G 309insC 315insC G709A A750G A1438G C1721T A2706G
A2757G T3197C C3212T C3510T A4732G A4769G C7028T A7768G A8860G G9477A
A11467G G11719A A12308G G12372A T13617C A13637G T14182C C14766T T14956C
A15326G T16189C C16192T C16270T G16398A

454. **EF420249 - Homo sapiens hg U5b2 mitochondrion, complete genome**

A73G C150T A263G 309insC 315insC A750G C1721T A2706G T3197C T3338C
A4732G A4769G C7028T A7768G A8860G G9477A T10031C A11467G G11719A
A12308G G12372A T13617C A13637G T14182C C14766T A15326G T16189C C16192T
A16240G C16270T

455. **EF419891 - Homo sapiens hg U5b2 mitochondrion, complete genome**

A73G C150T G228A A263G 309insC 315insC A750G A1438G C1721T A2706G
T3197C C4616T A4769G C7028T A7768G G8027A A8860G G9477A A11467G
A11653G G11719A A12308G G12372A A12634G G12775A C13146T T13617C
A13630G A13637G T14182C C14766T A15326G C15418T C16270T T16519C

456. **GU997135 - Homo sapiens hg U5b2c mitochondrion, complete genome**

A73G C150T G185A A263G 315insC A723G A750G 960insC 960insC 960insC
A1438G C1721T A2706G T3197C A4769G C6920A C7028T A7768G A8860G G9477A
A11467G G11719A A12308G G12372A A13017G A13434G T13617C A13637G
T14182C C14766T A15326G C16192T

457. **FJ939330 - Homo sapiens hg U6a mitochondrion, complete genome**

A73G T195C C198T A263G 309insC 315insC 455insT G709A A750G 960insC A1438G
A1842G A2706G A3348G A4769G C7028T A7735G G7805A A8860G A11467G
G11719A A11818C A12308G G12372A G12940A A12950C T13879C A14179G
C14766T G15043A A15326G T16172C C16278T

458. **GU967378 - Homo sapiens hg U6a7 mitochondrion, complete genome (U6a7a1)**

A73G T152C A263G 315insC A750G T794A T1193C A1438G A1692T A2672G
A2706G A3348G A4769G A5120G G5471A C7028T G7805A T8473C A8860G
A11467G G11719A T11929C A12308G G12372A A14179G C14766T G15043A
A15326G T15530C C15632T T16172C A16219G C16278T

459. **GU433197 - Homo sapiens hg U6a7 mitochondrion, complete genome (U6a7a1a)**

A73G T152C A263G 315insC A750G T794A T1193C A1438G A1692T A2672G
A2706G T3202Y A3348G A4769G A5120G G5471A C7028T G7805A T8473C A8860G
A11467G G11719A T11929C A12308G G12372A A14179G C14766T G15043A
A15326G T15530C C15632T T16172C A16219G C16278T

460. **FJ979865 - Homo sapiens hg U6a7 mitochondrion, complete genome (U6a7a1a)**

A73G T152C A263G 315insC A750G T794A T1193C A1438G A1692T A2706G
A3348G T4370C A4769G A5120G G5471A C7028T A7265G G7805A T8473C A8860G
A11467G G11719A A12308G G12372A A14179G C14766T G15043A A15326G
T15530C C15632T T16093C T16172C A16219G C16278T C16360T

461. **DQ856317 - Homo sapiens hg U6a7 mitochondrion, complete genome (U6a7a1a)**

A73G C150T T152C A263G 315insC A750G T794A T1193C A1438G A1692T A2706G
A3348G A4769G A5120G G5471A C7028T G7805A T8473C A8860G A11467G
G11719A A12308G G12372A A14179G C14766T G15043A A15326G T15530C C15632T
T16172C A16219G C16278T

462. **GU366066 - Homo sapiens hg U6d mitochondrion, complete genome (U6d1)**
A73G A263G 309insC 315insC A750G A1438G A2706G A3348G T4336C T4454C
A4769G G5147A C7028T A8860G A11467G G11719A A12308G G12372A G12501A
T14470C A14518G C14766T A15326G T16172C A16219G C16261T T16311C

463. **GQ176284 - Homo sapiens hg U7a mitochondrion, complete genome**
A73G T152C A263G 291insA 315insC 522delC 523delA A750G T980C A1438G
A1811G A2706G C3741T A4769G C5360T C7028T C8137T C8212T C8684T A8860G
T9480C T10084C C10142T A11467G G11719A A12308G G12372A T13500C G14569A
C14766T A15326G 16166delA A16309C A16318T T16519C

464. **HM008694 - Homo sapiens hg U8a1 mitochondrion, complete genome**
A73G A263G T282C 309insC 315insC A750G A1438G A1811G A2706G C3738T
A4769G A5240G T6392C C6455T C7028T A7055G A8860G G8865A A9338G C9365T
T9698C G9777A C10733T A11467G G11719A C12135A A12308G G12372A A12662G
G13145A C14766T A15326G A16146G T16342C

465. **GU299344 - Homo sapiens hg U8a1 mitochondrion, complete genome**
A73G A263G T282C 309insC 315insC A750G A1438G A1811G A2706G C3738T
A4129G A4769G A5240G T6392C C6455T C7028T A7055G A8860G C9365T T9698C
C10733T A11467G G11719A G11969A C12135A A12308G G12372A G13145A
C14766T A15326G T16209C T16342C

466. **GQ360037 - Homo sapiens hg U8b mitochondrion, complete genome**
A73G T195C A263G 315insC A750G A1438G A2706G A3480G A4769G C5165T
C7028T A8860G G9055A T9698C A11467G G11719A A12308G G12372A A14053G
C14167T C14766T A15326G T16094C A16183C T16189C C16234T T16324C T16519C

467. **GU990521 - Homo sapiens hg U9 mitochondrion, complete genome (U9b)**
A73G T195C A263G 315insC G499A 522delC 523delA A750G A1438G A1811G
A2706G G3483A G3531A G3745A G3834A A4769G T5999C A6212G C6386T C6506T
C7028T A8860G A11020G A11467G G11719A C11779T A12308G G12372A A12615G
T14094C C14766T A15326G T16189C T16519C

468. **GU827698 - Homo sapiens hg V mitochondrion, complete genome**
T72C A263G 315insC A750G A1438G A2706G G4580A A4769G T6758C C7028T
A8860G T10256C A15326G C15904T A16220C T16298C

469. **GU362082 - Homo sapiens hg V mitochondrion, complete genome**
T72C A263G 309insC 309insC 315insC A750G A1438G C1537T A2706G G4580A
A4769G C7028T G8572A A8860G A8982G C12084T A15326G C15904T G16129A
T16298C

470. **EU284180 - Homo sapiens hg V mitochondrion, complete genome**

T72C A200G A263G 309insC 315insC A750G A1438G A2706G G4580A A4769G
C7028T A8860G G10365A G11719A C12792T A15326G C15904T T16298C T16519C

471. **FJ481647 - Homo sapiens hg V1 mitochondrion, complete genome**

T72C A263G 309insC 309insC 315insC A750G A1438G A2706G G4580A T4639C
A4769G C7028T A8860G A8869G C11965A G14016A A15326G C15904T T16298C
T16519C

472. **EU567326 - Homo sapiens hg V mitochondrion, complete genome (V3)**

T72C A263G 309insC 309insC 315insC 522delC 523delA A750G A1438G A2706G
G4580A A4769G C7028T G8020A A8860G A12810G A15326G C15904T A16216G
T16298C T16519C

473. **FJ866786 - Homo sapiens hg V mitochondrion, complete genome (V9a)**

T72C T204C G207A A263G 309insC 315insC A750G A1438G A2706G G4580A
A4769G C7028T A8179G A8860G C11581T G13759A A15326G A15758G C15904T
C16192T A16219G

474. **FJ865560 - Homo sapiens hg V mitochondrion, complete genome (V9a)**

T72C T204C G207A A263G 309insC 315insC A750G A1438G A2706G G4580A
A4769G C7028T A8179G A8860G C11581T G13759A A15326G C15904T C16192T
A16219G

475. **DQ658411 - Homo sapiens hg V mitochondrion, complete genome (V9a)**

T72C T204C G207A A263G 315insC A750G A1438G A2706G G4580A A4769G
G6446C C7028T A8179G A8860G C11581T A13032G G13759A G14323A A15326G
C15904T C16192T A16219G

476. **GQ149695 - Homo sapiens hg W mitochondrion, complete genome**

A73G A189G C194T T195C T204C G207A A214G A263G 309insC 315insC A479G
G709A A750G T1243C A1438G A2706G A3505G A4093G A4769G G5046A G5460A
C7028T G8251A T8610C T8614C A8860G G8994A C11674T G11719A A11947G
T12414C C12705T C14766T A15326G G15884C C16192T C16223T C16292T T16311C
T16325C T16519C

477. **FJ473381 - Homo sapiens hg W mitochondrion, complete genome**

A73G A189G C194T T195C G207A A263G 309insC 309insC 315insC G709A A750G
T1243C A1438G A2706G A3505G A4093G T4646C A4769G G5046A G5460A T6297C
C7028T G8251A T8614C T8705C A8860G G8994A C11674T G11719A T11864C
A11947G C12362T T12414C C12705T C14766T A15326G C15331T G15884C G16129A
C16192T C16223T C16292T T16325C T16519C

478. **FJ461348 - Homo sapiens hg W mitochondrion, complete genome**

A73G A189G C194T T195C T199C T204C G207A A263G 309insC 315insC G709A
A750G T1243C T1406C A1438G A2706G A3505G A4769G G5046A G5460A C7028T

G8251A A8860G G8994A C11674T G11719A A11947G T12414C C12705T G12923T
T14318C C14766T A15326G G15884C G16129A C16192T C16223T C16292T T16519C

479. EU744586 - Homo sapiens hg W mitochondrion, complete genome

57insC 57insT 65delT 66delG A73G A189G C194T T195C T204C G207A A263G
315insC T334C G709A A750G T1243C A1438G A2706G A3505G A4769G G5046A
G5460A C6528T C7028T G8251A A8860G G8994A T9909C C11674T G11696A
G11719A A11947G T12414C C12705T C14766T A15326G A15775G G15884C
C16223T C16292T T16519C

480. EU515252 - Homo sapiens hg W mitochondrion, complete genome

A73G A189G C194T T195C T204C G207A A263G 309insC 315insC G709A A750G
T1243C G1303A A1438G A2706G A3505G A4093G A4769G G5046A G5460A C7028T
C8002T G8078A A8149G G8251A T8614C C8658T A8860G G8994A C11674T
G11719A A11947G T12414C C12705T C14766T A15326G G15884C C16211T C16223T
C16292T T16325C T16519C

481. EU400619 - Homo sapiens hg W mitochondrion, complete genome

A73G G143A A189G T192C C194T T195C T196C T204C G207A A263G 315insC
G709A A750G T1243C A1438G A2706G A3505G G3531A A4769G G5046A G5460A
C7028T G8251A A8860G G8994A C11674T G11719A A11947G T12414C C12705T
C14766T A15326G G15884C C16223T T16519C

482. EU135972 - Homo sapiens hg W mitochondrion, complete genome

A73G A189G C194T T195C T204C G207A A263G 309insC 315insC G709A A750G
T1243C A1438G A2706G A3505G T4363C A4769G G5046A G5460A C6528T C7028T
G8251A A8860G G8994A A9275G A10097G T10410C T10742C C11674T G11719A
A11947G T12414C C12705T C14766T A15326G A15775G G15884C G16129A
T16189C C16223T C16292T T16362C T16519C

483. EU086510 - Homo sapiens hg W mitochondrion, complete genome

A73G A189G C194T T195C T204C G207A A263G 309insC 315insC 522delC 523delA
G709A A750G T1243C A1438G A2706G A3505G A4769G G5046A G5460A C7028T
G8251A G8994A C11674T G11719A A11947G T12414C C12705T C14766T A15326G
G15884C C16223T C16234T C16292T T16519C

484. EF652811 - Homo sapiens hg W mitochondrion, complete genome

A73G A189G C194T T195C T204C G207A A263G 309insC 315insC G709A A750G
T1243C A1438G A2706G A3505G T4363C A4769G G5046A G5460A C6528T C7028T
G8251A A8860G G8994A A10097G T10410C C11674T G11719A A11947G T12414C
C12705T C14766T A15326G A15775G G15884C T16124C C16223T C16292T T16362C
T16519C

485. FJ543390 - Homo sapiens hg W1 mitochondrion, complete genome

A73G A189G T195C T204C G207A A263G 315insC G709A A750G T1243C A1438G
A2706G A3505G A4769G G5046A G5460A C7028T C7864T G8251A A8659G A8860G

A8887G G8994A C11674T G11719A A11947G T12414C C12705T C14766T A15326G
G15884C C16223T C16292T C16295T T16519C

486. FJ472633 - Homo sapiens hg W1 mitochondrion, complete genome

A73G T119C A189G T195C T204C G207A A215G A263G 309insC 315insC G709A
A750G T1243C A1438G A2706G A3505G A4769G G5046A G5460A C7028T C7864T
G8251A A8860G G8994A G9695A C11674T G11719A A11947G T12414C C12705T
C14766T A15326G G15884C C16223T C16292T T16519C

487. EU558696 - Homo sapiens hg W1 mitochondrion, complete genome

A73G T119C A189G T195C G207A A263G 309insC 315insC G709A A750G T1243C
A1438G A2706G A3505G A4769G G5046A G5460A C7028T C7864T G8251A A8860G
G8994A C11674T G11719A A11947G T12414C C12705T C14766T A15326G G15884C
C16223T C16292T T16519C

488. EF609013 - Homo sapiens hg W1 mitochondrion, complete genome

A73G A189G T195C T204C G207A T212C A263G 315insC G709A A750G T1243C
A1438G A2706G A3505G A4769G G5046A G5460A C7028T C7864T G8251A A8531G
A8860G G8994A C11674T G11719A A11947G T12414C C12705T C14766T A15326G
G15884C C16223T C16320T T16519C

489. EU257638 - Homo sapiens hg W1c mitochondrion, complete genome

A73G T119C A189G T195C T204C G207A A263G 315insC G709A A750G T1243C
A1438G A2706G A3505G A4769G G5046A G5460A A6647G C7028T C7864T G8251A
A8860G G8994A C11674T G11719A A11947G T12414C C12705T A14148G C14766T
A15326G G15884C C16223T T16519C

490. GU002155 - Homo sapiens hg W3 mitochondrion, complete genome

A73G A189G C194T T195C T204C G207A A263G 309insC 315insC G709A A750G
T1243C T1406C A1438G A2706G A3505G A4769G G5046A G5460A C7028T G8251A
A8860G G8994A T10245C C11674T G11719A A11947G T12414C C12705T A13263G
C14766T T15019C A15326G T15784C G15884C C16223T C16292T T16362C T16519C

491. FJ821289 - Homo sapiens hg W3 mitochondrion, complete genome

A73G A189G C194T T195C T204C G207A A263G 309insC 315insC G709A A750G
T1243C T1406C A1438G A2706G A3505G A4769G G5046A G5460A G6267A C7028T
C7151T G8251A A8860G G8994A C11674T G11719A A11947G T12414C C12705T
A13263G C14766T T15109C A15326G T15784C G15884C C16223T C16292T T16519C

492. FJ472839 - Homo sapiens hg W3 mitochondrion, complete genome

A73G A189G C194T T195C T204C G207A A263G 309insC 315insC G709A A750G
T1243C T1406C A1438G A2706G G3421A A3505G A4769G G4853A A4958G G5046A
T5196C G5460A C7028T C7151T A7844G G8251A A8860G G8994A T9428C C11674T
G11719A A11947G T12414C C12705T A13263G C14766T G15043A A15326G
T15784C G15884C T16093C T16126C G16145A C16223T T16519C

493. **GU147938 - Homo sapiens hg W3a mitochondrion, complete genome**
A73G T119C A189G T195C T204C G207A A263G 309insC 315insC G709A A750G
G930A T1243C T1406C A1438G A2706G A3505G A4769G G5046A T5291C G5460A
C7028T G8251A A8860G G8994A C11674T G11719A A11947G T12414C C12705T
C14766T A15326G T15784C G15884C T16209C C16223T G16255A C16292T T16519C

494. **GU045487 - Homo sapiens hg W4 mitochondrion, complete genome**
A73G G143A A189G C194T T195C T196C T204C G207A A263G 309insC 315insC
G709A A750G T1243C A1438G A2706G G3438A A3505G A4769G G5046A G5460A
C7028T G8251A A8860G G8994A T10463C T11465C C11674T G11719A T12414C
C12705T C14766T A15326G G15884C G16213A C16223T C16286T C16292T T16519C

495. **GU828018 - Homo sapiens hg W mitochondrion, complete genome (W5a)**
56insC T58C A73G T139C A189G C194T T195C T204C G207A A263G 309insC
315insC G709A A750G T1243C A1438G A2706G A3505G T4363C A4769G G5046A
G5460A C6528T C7028T G8251A A8860G G8994A A9275G A10097G T10410C
C11674T G11719A A11947G T12414C C12705T C14766T A15326G A15775G
G15884C C16223T C16292T T16362C T16519C

496. **GU817015 - Homo sapiens hg W mitochondrion, complete (W5a)**
A73G C150T A189G T195C T204C G207A A263G 315insC G709A A750G T1243C
A1438G A2706G A3505G A4769G G5046A G5460A C6528T C7028T G8251A A8860G
G8994A A10097G C11674T G11719A A11947G T12414C C12705T C14766T A15326G
A15775G G15884C C16223T C16292T T16362C T16519C

497. **GU726895 - Homo sapiens hg W mitochondrion, complete genome (W5a)**
A73G C150T A189G C194T T195C T204C G207A A263G 315insC G709A A750G
T1243C A1438G A2706G G3337A A3505G A4769G G5046A G5460A C6528T C7028T
G8251A A8860G G8994A A10097G T10166C C11674T G11719A A11947G T12414C
C12705T C14766T A15326G A15775G G15884C C16223T C16292T T16362C T16519C

498. **GU646872 - Homo sapiens hg W mitochondrion, complete (W5a)**
A73G A189G C194T T195C G207A A263G 309insC 315insC G709A A750G T1243C
A1438G A2706G A3505G T4363C A4769G G5046A G5460A C6528T C7028T G8251A
A8860G G8994A A10097G T10410C C11674T G11719A A11947G T12414C C12705T
C14766T A15326G A15775G G15884C C16223T C16292T T16362C T16519C

499. **FJ449703 - Homo sapiens hg W6 mitochondrion, complete genome**
A73G A189G C194T T195C T204C G207A A263G 309insC 315insC 524insA 524insC
524insA 524insC G709A A750G T1243C A1438G A2706G A3505G A4093G A4769G
G5046A G5460A C7028T G8155A G8251A T8614C A8860G G8994A C11674T
G11719A A11947G T12414C C12705T C14766T A15326G G15884C C16192T C16223T
C16292T T16325C T16362C T16519C

500. **GQ200588 - Homo sapiens hg X2 mitochondrion, complete genome**

A73G T152C A153G T195C A263G 315insC A750G A1438G G1719A A2706G
A3615G A4769G C5435T T6221C C6371T C7028T A8860G A11524G G11719A
C12705T A13966G T14470C C14766T A15326G A16182C A16183C T16189C C16201T
C16223T C16278T T16519C

501. FJ966243 - Homo sapiens hg X2 mitochondrion, complete genome

A73G G143A T195C G225A A235G A263G 315insC A750G A1438G G1719A A2706G
G3666A A4769G T6221C C6371T C7028T T7389C A8860G T10227C G11719A
C12705T A13966G T14470C C14766T A15326G G15930A T16189C C16192T C16223T
C16278T C16292T T16519C

502. FJ008043 - Homo sapiens hg X2 mitochondrion, complete genome

A73G G143A T195C G225A T226C A235G A263G 315insC A750G A1438G G1719A
A2706G A4342G A4769G T6221C C6371T C7028T A8860G G11719A C12705T
A13966G T14470C C14766T T14971C A15326G T16189C C16223T C16278T C16292T
T16519C

503. FJ887963 - Homo sapiens hg X2a2 mitochondrion, complete genome

A73G A153G T195C A200G G225A A263G 309insC 309insC 315insC A750G G1415A
A1438G G1719A A2706G G3316A A4769G T6221C C6371T C7028T A8860G A8913G
T10256C G11719A A12397G C12705T A13966G T14470C T14502C G14560A C14766T
A15326G A16182C A16183C T16189C G16213A C16223T A16254C C16278T T16362C
T16519C

504. FJ825753 - Homo sapiens hg X2a2 mitochondrion, complete genome

A73G A153G T195C A200G G225A A263G 309insC 309insC 315insC A750G G1415A
A1438G G1719A A2706G G3316A A4769G T6221C C6371T C7028T A8860G A8913G
T10256C G11719A A12397G C12705T A13966G T14470C T14502C G14560A C14766T
A15326G A16182C A16183C T16189C G16213A C16223T A16254C C16278T T16362C
T16519C

505. FJ457949 - Homo sapiens hg X2b mitochondrion, complete genome

A73G A153G T195C G225A A263G 315insC A750G A1438G G1462A G1719A
A2706G A4769G T6221C C6371T C7028T C8393T A8860G G11719A C12705T
G13708A A13966G T14470C C14766T A15326G G15927A T16189C C16223T C16278T
T16519C

506. FJ441666 - Homo sapiens hg X2b mitochondrion, complete genome

A73G A153G T195C G225A A263G 315insC A750G A1438G G1719A A2706G
A4769G G6221C C6371T C7028T C8393T A8860G G11719A C12705T G13708A
G13889A A13966G T14470C C14766T A15326G G15927A T16189C C16223T C16278T
T16519C

507. EU367995 - Homo sapiens hg X2b mitochondrion, complete genome

A73G A153G T195C G225A T226C A263G 309insC 315insC A750G A1438G G1719A
A2706G A4769G T6221C C6371T C7028T C8393T A8860G G11719A C12705T

G13708A A13966G T14470C C14766T A15326G T15601C G15927A T16086C C16104T
A16183C T16189C C16223T T16271C C16278T T16519C

508. EF420985 - Homo sapiens hg X2b mitochondrion, complete genome

A73G A153G A188G T195C G225A T226C A263G 309insC 315insC 356insC A750G
A1438G G1719A A2706G A4769G T6221C C6371T C7028T C8393T A8860G G11719A
T12477C C12705T G13708A A13966G T14470C C14766T A15326G G15927A A16183C
T16189C C16223T C16278T T16519C

509. GU945542 - Homo sapiens hg X2b4 mitochondrion, complete genome (X2b4a)

A73G A153G T195C G225A T226C A263G 309insC 315insC A750G A1438G G1719A
A2706G G3705A A4769G T5553C T6221C C6371T C7028T C8393T G8592A A8860G
G11719A C12705T G13708A A13966G A14193G T14470C C14766T A15326G
G15927A G16129A A16183C T16189C C16223T C16278T T16519C

510. GU593980 - Homo sapiens hg X2c mitochondrion, complete genome

A73G T195C G225A A227G A263G 309insC 309insC 315insC A750G A1438G
G1719A A2706G A4769G T6221C C6371T C7028T T8705C A8860G G11719A
C12705T A13966G T14470C C14766T A15326G 16182delA 16183delA T16189C
16193insC 16193insC C16223T G16255A C16278T T16519C

511. EU677423 - Homo sapiens hg X2c mitochondrion, complete genome

A73G A153G T195C G225A A227G A263G 315insC A750G A1438G G1719A A2706G
A4769G T6221C C6371T C7028T A8463G T8705C G8839A A8860G T10115C
G11719A C12705T A13966G T14470C C14766T A15326G A16183C T16189C
C16223T A16230G G16255A A16269G C16278T A16300G T16519C

512. GQ231312 - Homo sapiens hg X2d mitochondrion, complete genome

A73G T146C T195C T204C G207A A263G 309insC 315insC A750G 960insC A1438G
G1719A A2706G A4769G A5186G T6221C C6371T T6626C A6791G C7028T T8503C
A8860G T10084C T11465C G11719A T11878C C12705T G13708A A13966G T14470C
C14766T A15326G T16189C C16223T C16278T T16519C

[Top of Page](#)