|  |  |  |  |
| --- | --- | --- | --- |
|  | Whole mtDNA  | Within mtDNA coding regions | Among mutations occurring in mtDNA coding regions |
| Sample ID | Total sequenced DCS Nts | No. of Syn.  | No. of **Misse** | No. of **Truncat** | No. of **Nonsyn**  | % Syn  | **% Nonsyn**  |
| **HME 11** |  |   |  |  |   |  |  |
| Non-stem | 19389999 | 61 | 175 | 14 | 189 | 24.4 | 75.6 |
| Stem | 19262440 | 57 | 143 | 5 | 148 | 27.8 | 72.2 |
| **HME 30** |  |   |  |  |   |  |  |
| Non-stem | 14625056 | 45 | 127 | 7 | 134 | 25.1 | 74.9 |
| Stem | 15316422 | 41 | 95 | 17 | 112 | 26.8 | 73.2 |
| **HME 31** |  |   |  |  |   |  |  |
| Non-stem | 37240333 | 88 | 264 | 15 | 279 | 24 | 76 |
| Stem | 40754403 | 76 | 271 | 23 | 294 | 20.5 | 79.5 |
| **Pooled** |   |    |  |  |    | 24.5 ± 0.3 | 75.5 ± 0.3 |
| Non-stem |
| Stem |   |   |   |   |   | 25.0 ± 2.3 | 75.0 ± 2.3 |

**S4 Table.** Distribution of nonsynonymous mutations of non-homoplasmic variants in the whole mtDNA and within mtDNA coding regions.

Abbreviations used are: Nts, nucleotides; DCS, duplex consensus sequences; mt, mitochondria; mut, mutation; Nonsyn, nonsynonymous mutation; Misse, missense mutation; Trucat, truncating mutation; Syn, synonymous mutation. The numbers of nonsynonymous mutations are sums of missense and truncating (nonsense) mutations. Pooled data from three women (ID# 11, 30, and 31) in percentages are mean ± S.E.M. (n=3).