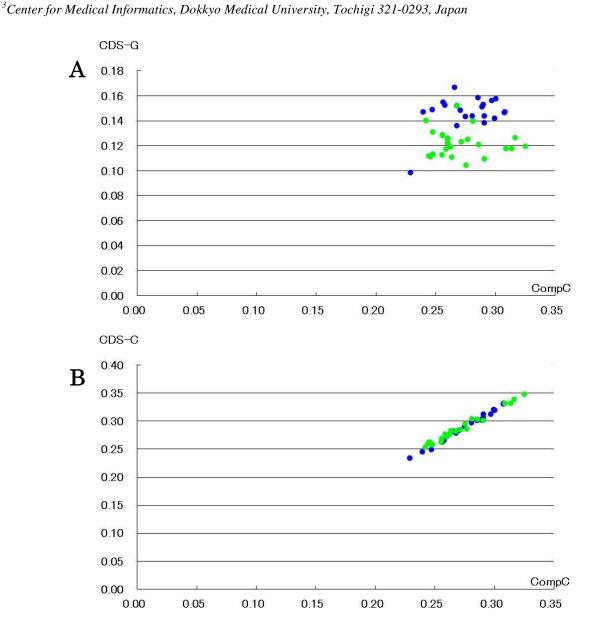
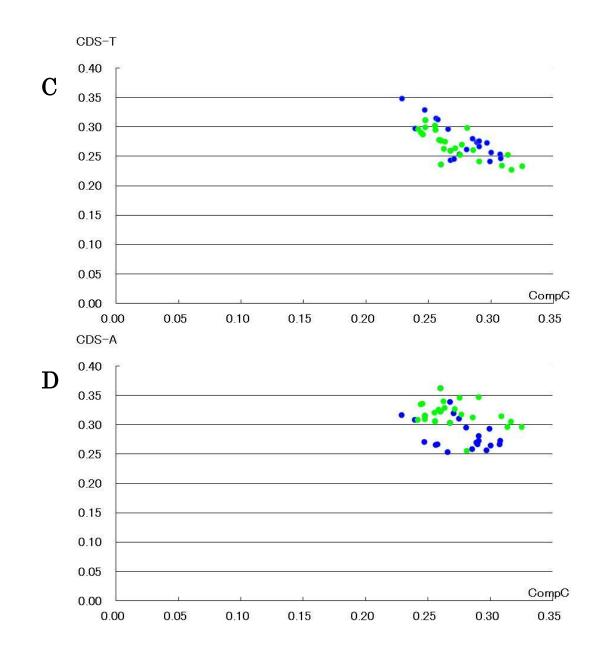
Supplementary Material

Evidence for Natural Selection in Nucleotide Content Relationships Based on Complete Mitochondrial Genomes: Strong Effect of Guanine Content on Separation between Terrestrial and Aquatic Vertebrates

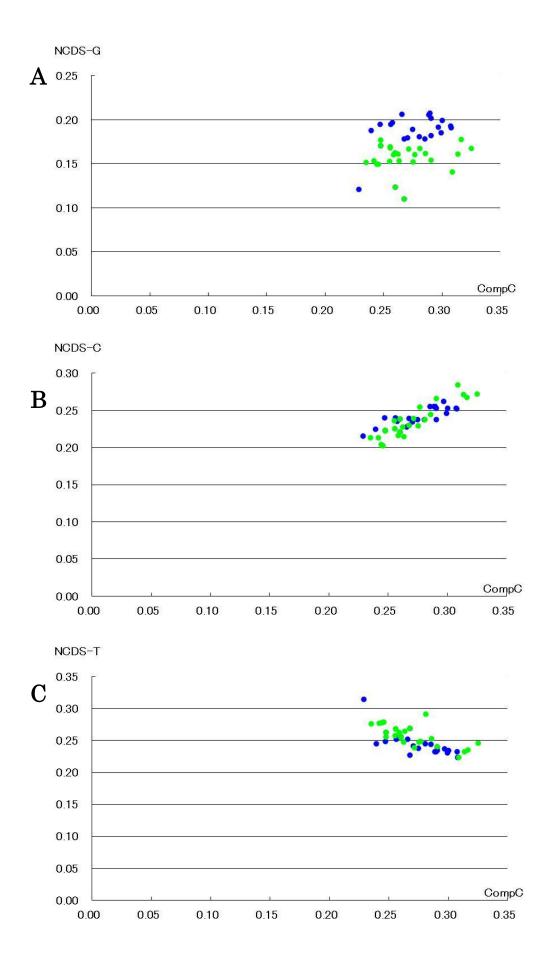
Kenji Sorimachi^{1,2,*} and Teiji Okayasu³

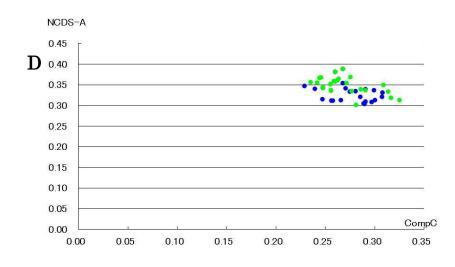
¹Educational Support Center, Dokkyo Medical University, Mibu, Tochigi 321-0293, Japan ²Life Science Research Center, Higashi-Kaizawa, Takasaki, Gunma 370-0041, Japan



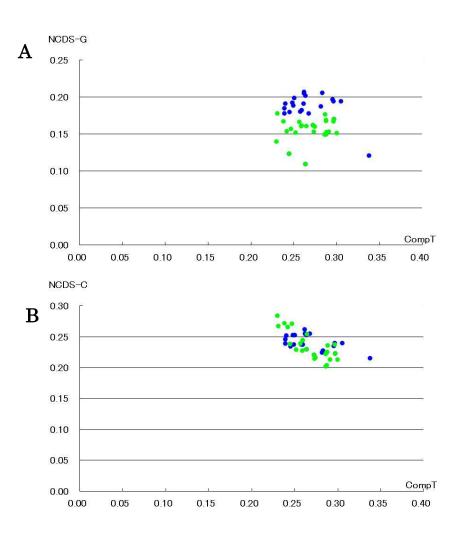


1-1









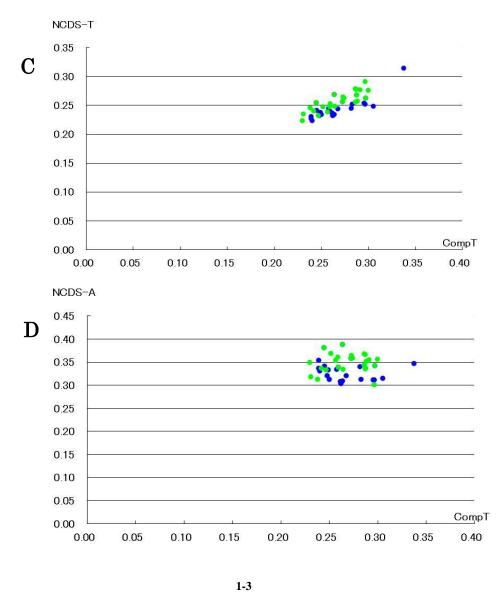
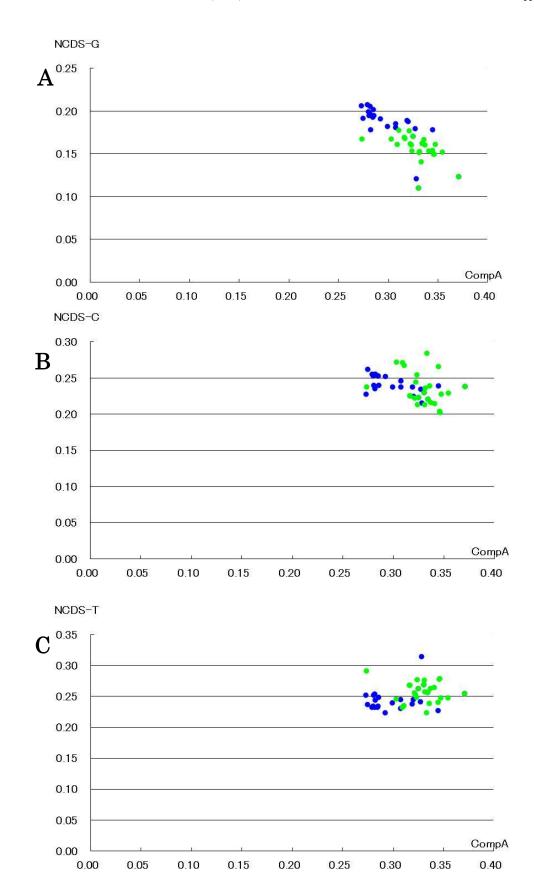
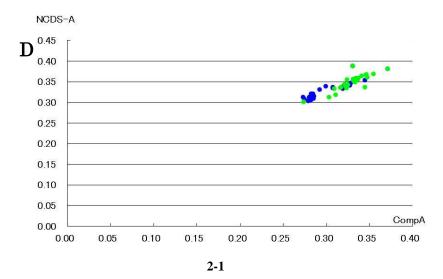
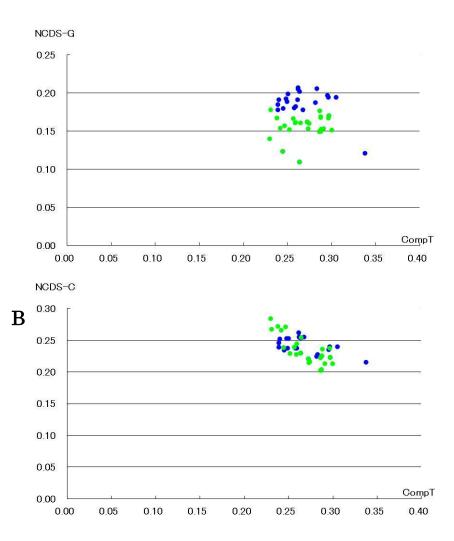
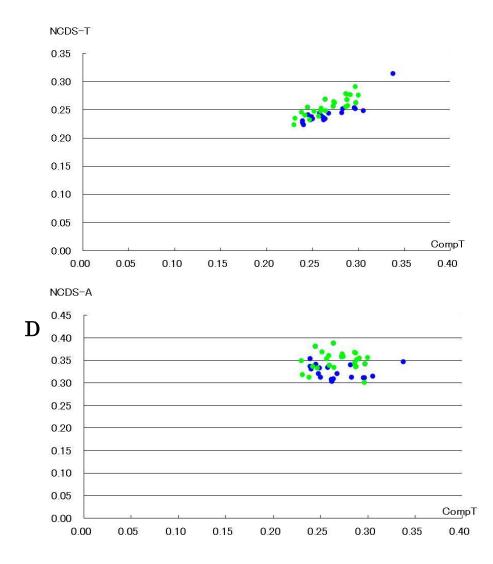


Fig. (1) Supplementary. Nucleotide relationships in normalized vertebrate mitochondrial values. The vertical axis represents G, C, T and A contents of the coding region on graphs A, B, C and D, respectively, The horizontal axis represents C, T or A content of the complete mitochondrial genome in page order, respectively. Green and blue represent terrestrial and aquatic vertebrates, respectively. Statistical differences between terrestrial and aquatic vertebrates were evaluated using a Student's *t*-test. In the complete mitochondrial genome, C content; p > 0.05, T content; p > 0.05, A content; p < 0.01.

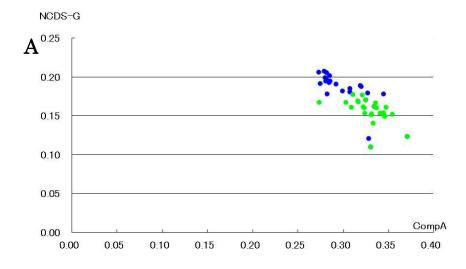


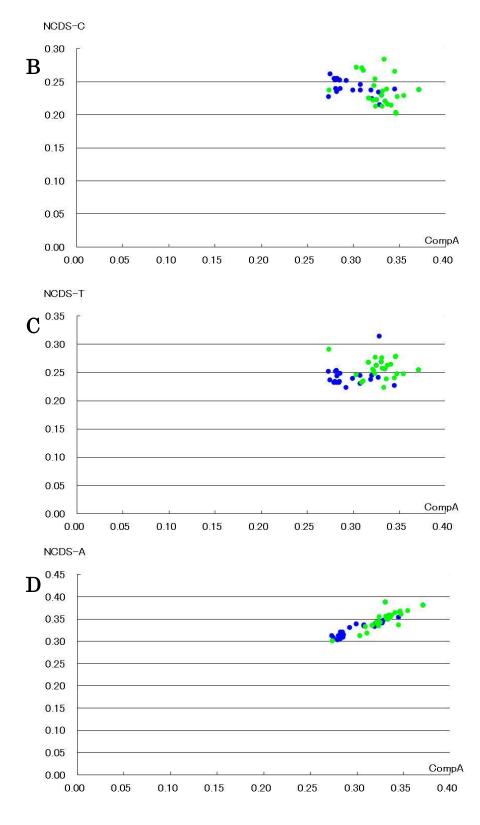






2-2





2-3

Fig. (2) Supplementary. Nucleotide relationships in normalized vertebrate mitochondrial values. The vertical axis represents G, C, T and A contents of the non-coding region on graphs A, B, C and D, respectively. The horizontal axis represents C, T and A contents of the complete mitochondrial genome in page order. Green and blue represent terrestrial and aquatic vertebrates, respectively.