Results of the Principal Component Analyses

Analysis 1: 11 variables, Figure 5A

Eigenanalysis of the Correlation Matrix

Eigenvalue	4.5089	2.1744	2.0650	1.5860	0.6657
Proportion of variance	0.410	0.198	0.188	0.144	0.061
Cumulative variance	0.410	0.608	0.795	0.939	1.000

Calculations of the PC scores

Variable	PC1	PC2	PC3	PC4
Lambda SN	0.299	-0.401	0.147	-0.351
N SN	-0.030	-0.313	-0.090	0.591
Lambda PT	0.388	-0.194	-0.002	-0.292
N PT	-0.220	0.456	0.112	-0.142
C>T rate SN	0.295	-0.180	-0.499	0.072
C>T rate PT	0.413	0.170	-0.131	0.261
AA (ppm)	-0.361	0.145	-0.378	-0.211
D/L asp	0.247	0.036	0.586	-0.084
collagen	-0.303	-0.503	-0.037	0.066
crystallinity index	-0.311	-0.353	-0.028	-0.424
Thermal Age DNA	-0.270	-0.185	0.450	0.336

Analysis 2: 7 variables, Figure 5B

Eigenanalysis of the Correlation Matrix

Eigenvalue	3.3801	1.7310	1.3701	0.4652	0.0536
Proportion of variance	0.483	0.247	0.196	0.066	0.008
Cumulative variance	0.483	0.730	0.926	0.992	1.000

Calculations of the PC scores

Variable	PC1	PC2	PC3	PC4
Total nDNA	0.476	0.291	-0.234	0.127
Total mtDNA	0.092	-0.083	0.832	-0.016
AA (ppm)	0.473	0.138	0.355	-0.106
D/L asp	-0.481	-0.262	-0.037	-0.455
collagen	0.382	-0.452	-0.321	0.159
crystallinity index	0.404	-0.323	-0.079	-0.742
Thermal Age DNA	0.027	-0.715	0.129	0.435