

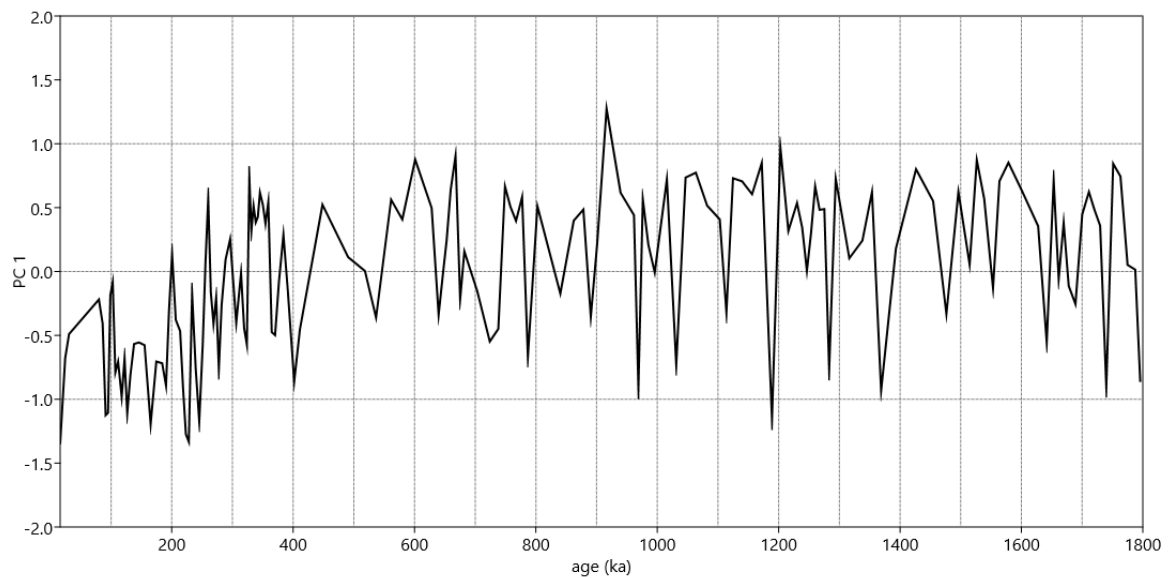
Supplementary material

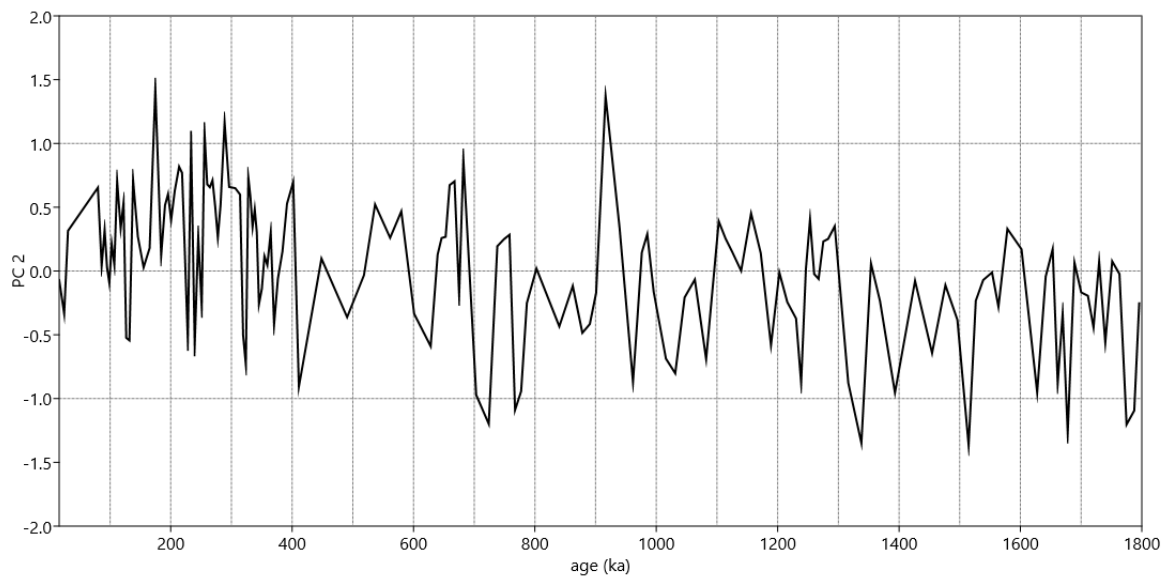
A 1.8 million year history of Amazon vegetation

Andrea K. Kern, Thomas Kenji Akabane, Jaqueline Q. Ferreira, Cristiano M. Chiessi, Debra, A. Willard, Fabricio Ferreira, Allan Oliveira Sanders, Cleverton G. Silva, Catherine Rigsby, Francisco W. Cruz, Gary S. Dwyer, Sherilyn C. Fritz, Paul A. Baker

Principal component analysis: all samples, all pollen taxa, log (1+x)-transformed

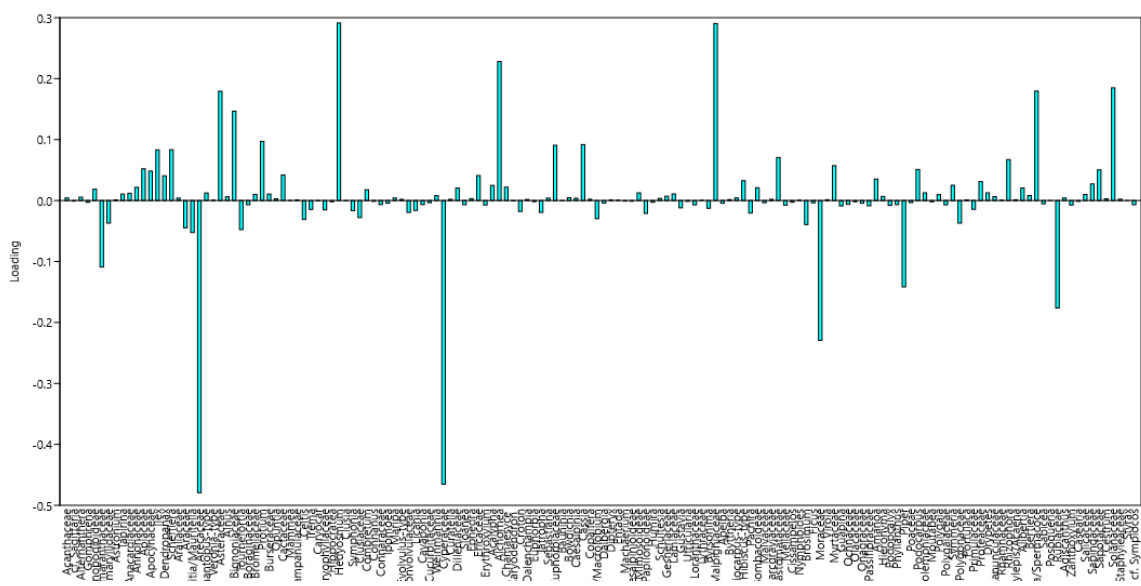
Scores for PC1 and PC2

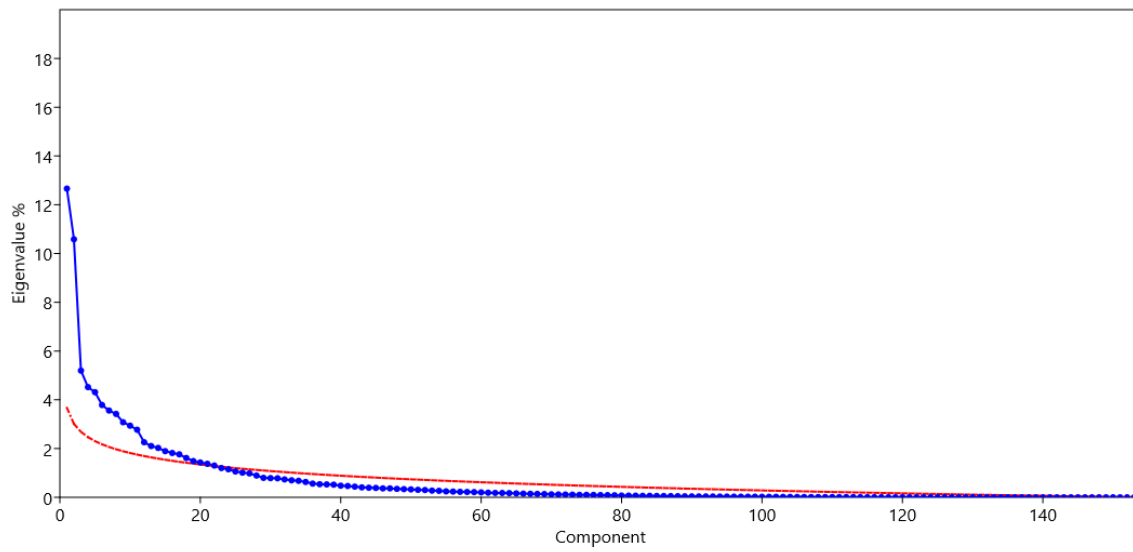




Highest loadings

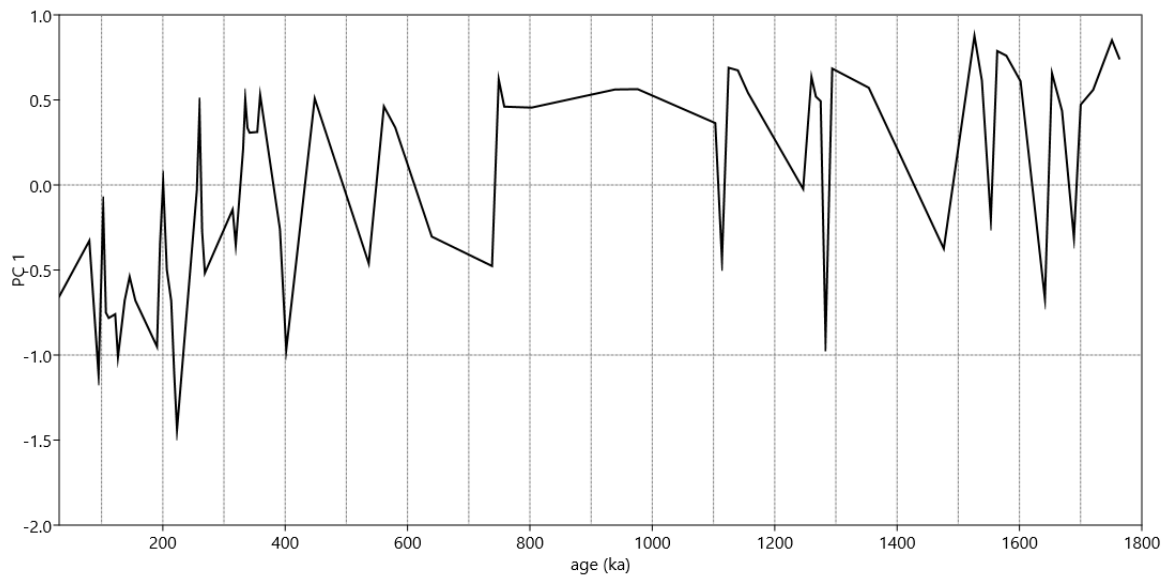
PC1		PC2	
Arecaceae	-0.47704	Apocynaceae	0.22531
<i>Hedyosmum</i>	0.29123	Arecaceae	0.25599
Cyperaceae	0.46335	<i>Alnus</i>	0.24823
<i>Alchornea</i>	0.22829	Cyperaceae	0.30713
Malpighiaceae	0.29099	Malpighiaceae	0.2748
Moraceae	-0.22887	Melastomataceae	0.22676
		Moraceae	0.23578
		Poaceae	-0.26202
		<i>Borreria/Spermacoce</i>	0.23331

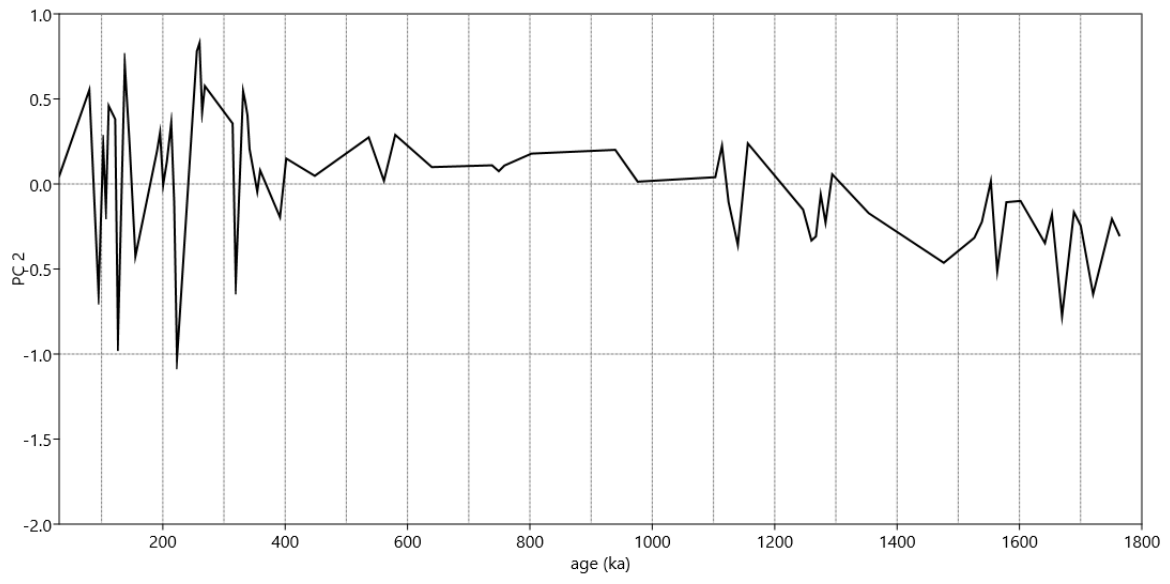




Principal component analysis: reduced sample number, all pollen taxa, log (1+x)-transformed

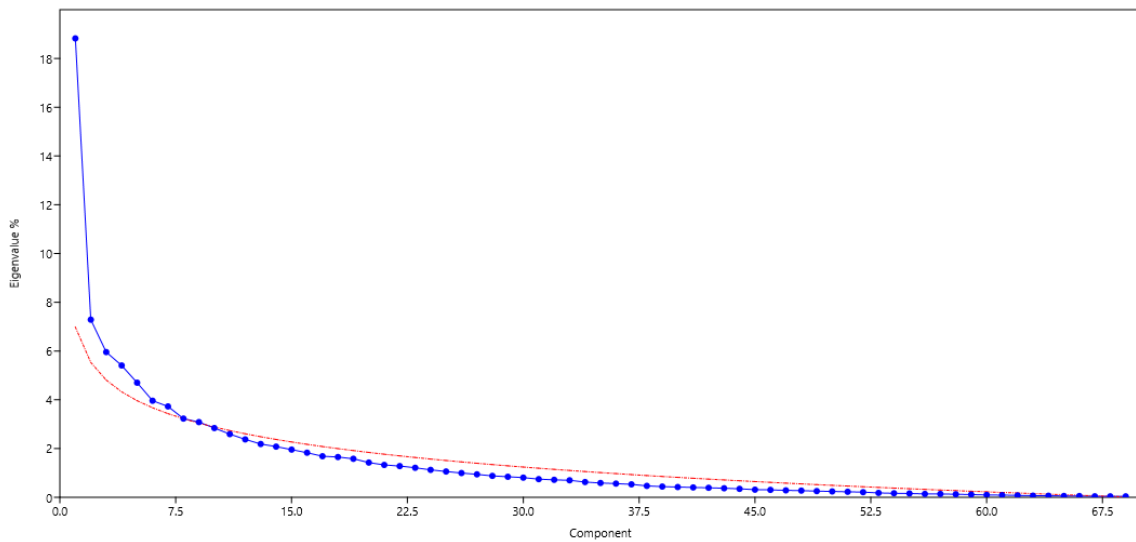
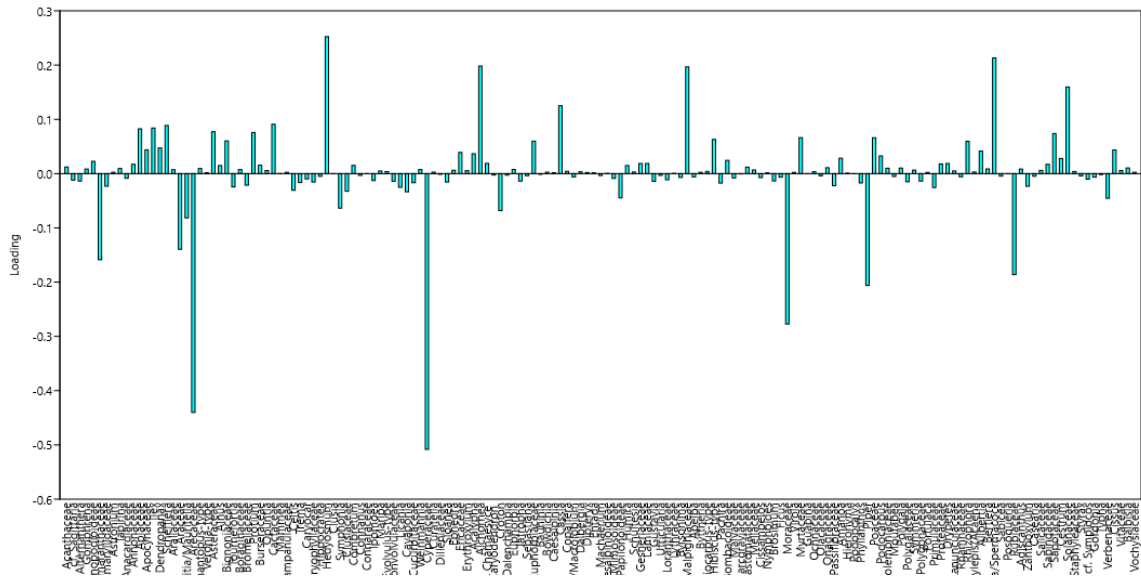
Scores for PC1 and PC2





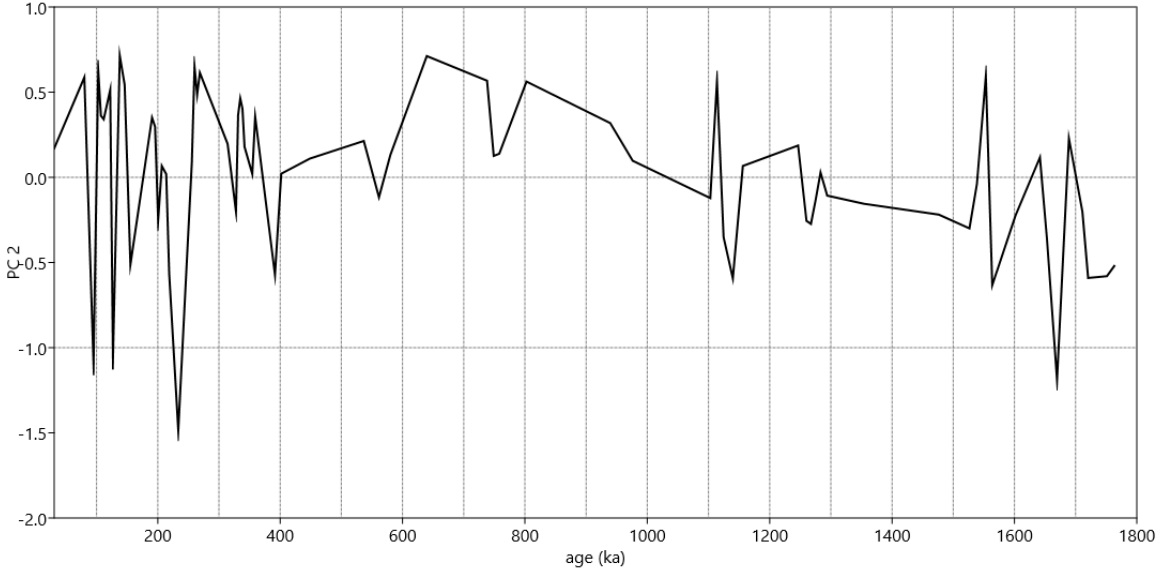
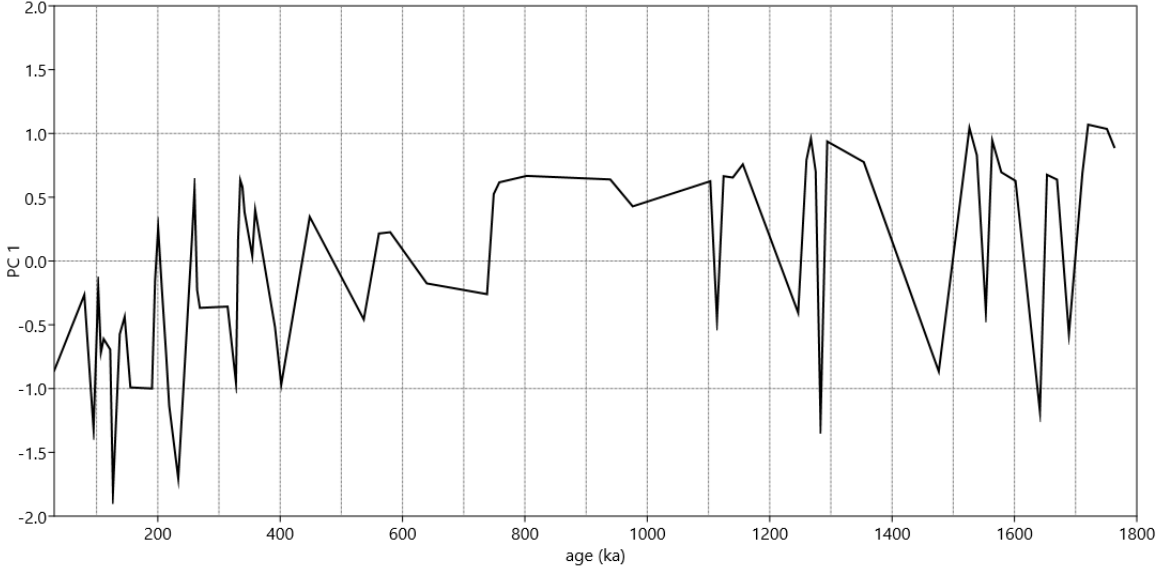
Highest loadings

PC1		PC2	
Areaceae	-0.4401	Asteraceae	0.27763
<i>Hedyosmum</i>	0.25245	Rubiaceae	0.39339
Cyperaceae	-0.50828	Solanaceae	0.31519
Moraceae	-0.2773		



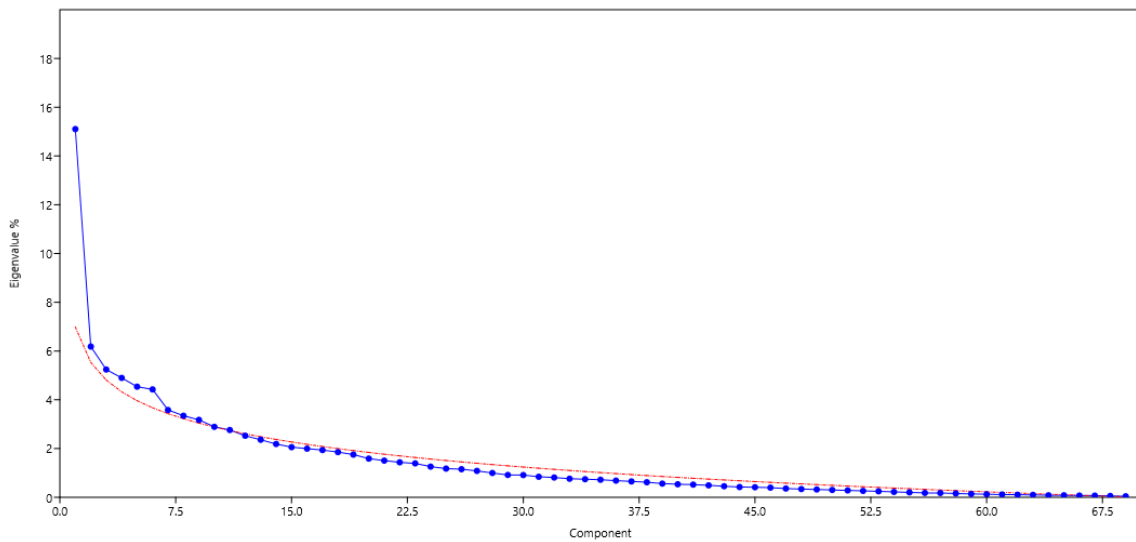
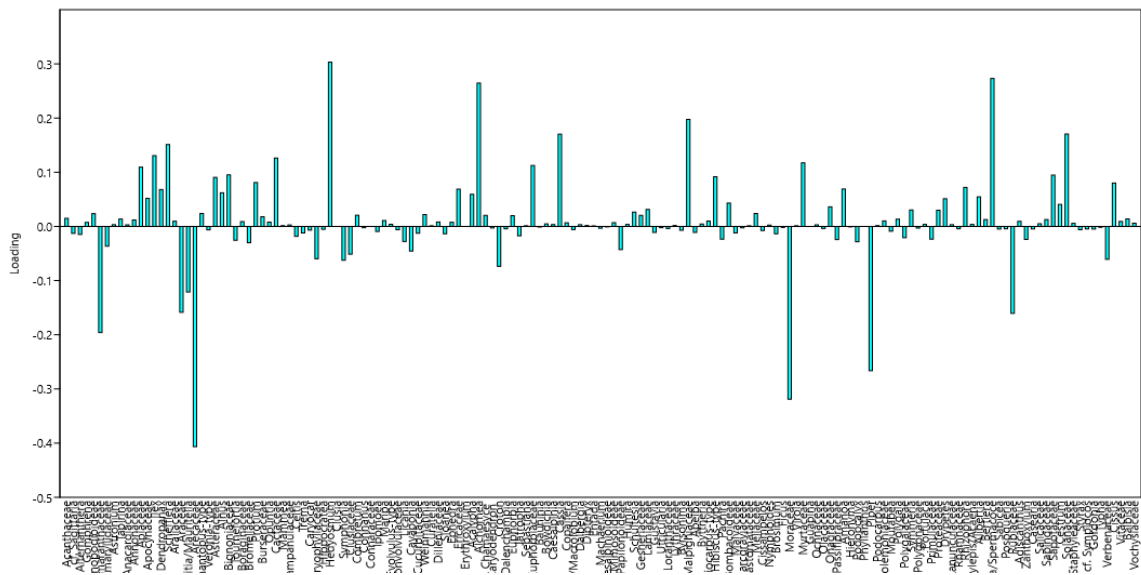
Principal component analysis: reduced sample number, excluding Cyperaceae and Poaceae, log (1+x)-transformed

Scores for PC1 and PC2



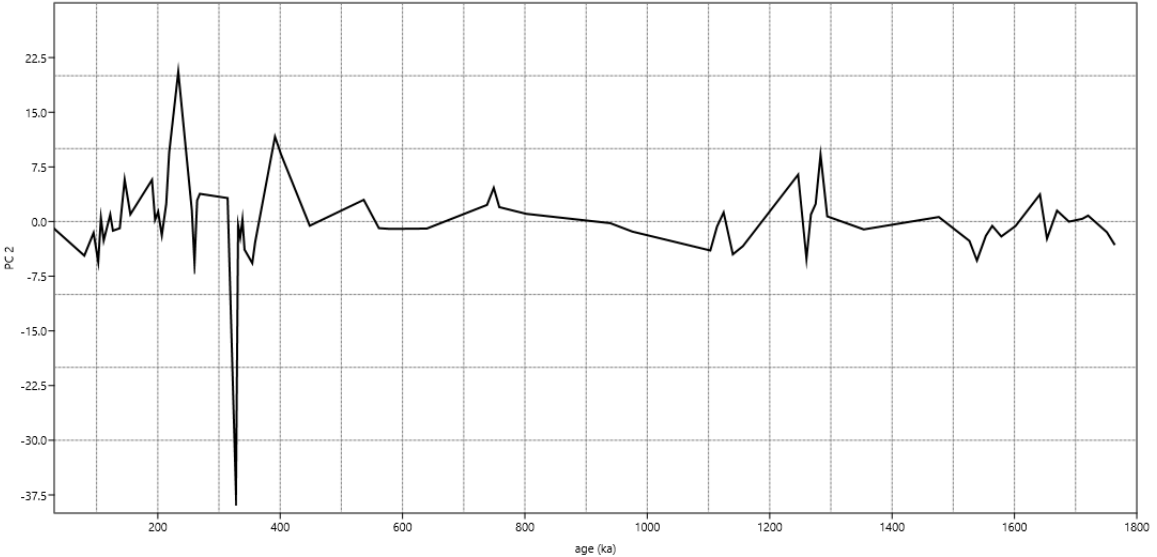
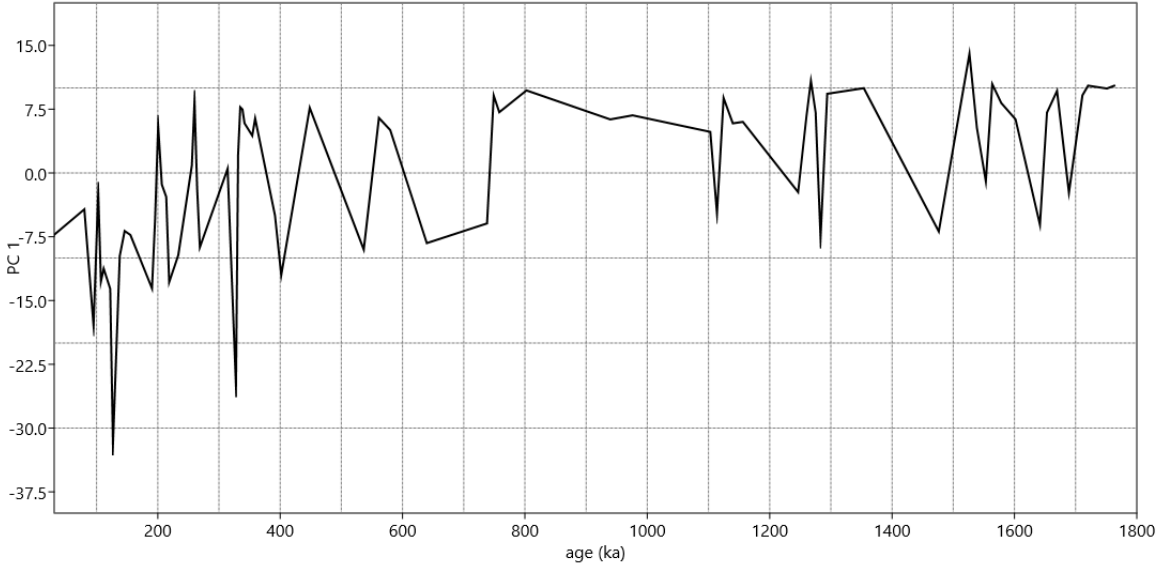
Highest loadings

PC1		PC2	
Arecaceae	-0.40651	Apiaceae	-0.22504
<i>Hedyosmum</i>	0.30327	Asteraceae	0.22103
<i>Alchornea</i>	0.26458	<i>Alchornea</i>	-0.22658
Moraceae	-0.31894	Melastomataceae	-0.21243
<i>Piper</i>	-0.26625	Rubiaceae	0.53252
<i>Borreria/Spermacoce</i>	0.27303	Solanaceae	0.25385



Principal component analysis: reduced sample number, excluding Cyperaceae and Poaceae, percentages

PC1 and PC2 scores



Highest scores

<i>Mauritia/Mauritella</i>	-0.31159	Araceae	0.24291
Areaceae	-0.7663	<i>Mauritia/Mauritella</i>	-0.70767
<i>Hedyosmum</i>	0.33124	Moraceae	0.39687
Moraceae	-0.20258	Solanaceae	-0.43618

