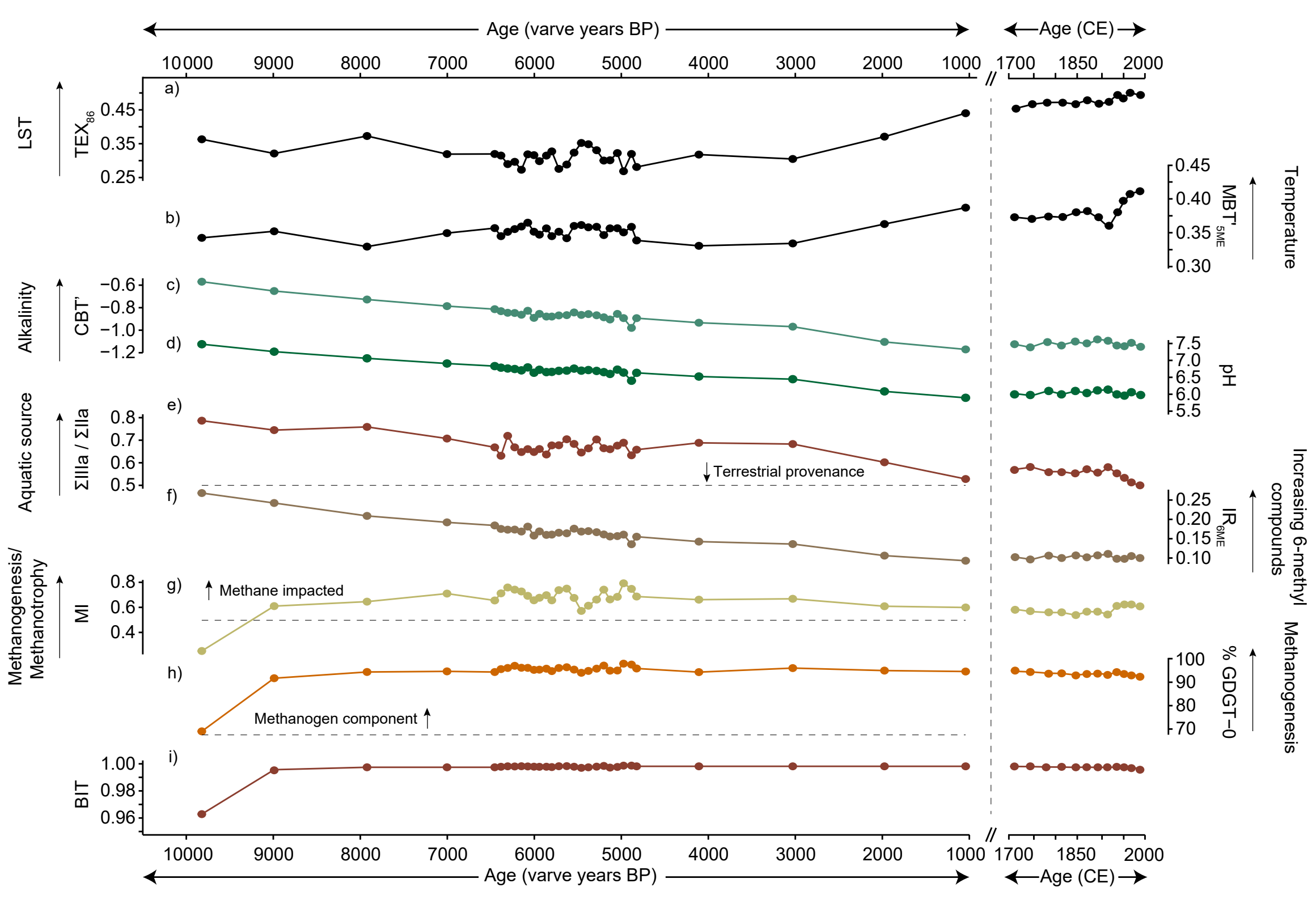
Age (varve years BP)
Age (CE)
10000
9000
8000
7000
6000
5000
4000
3000
2000
1000
1700
1850
2000
a)
b)
c)
d)
e)
f)
g)
h)
i)
LST
TEX86
0.45
0.35
0.25
MBT'5ME
0.45
0.40
0.35
0.30
Temperature
Alkalinity
CBT'
−0.6
−0.8
−1.0
−1.2
pH
7.5
7.0
6.5
6.0
5.5
Aquatic source
ΣIIIa / ΣIIa
0.8
0.7
0.6
0.5
Terrestrial provenance
IR6ME
0.25
0.20
0.15
0.10
Increasing 6-methyl compounds
Methanogenesis/ Methanotrophy
MI
0.8
0.6
0.4
Methane impacted
% GDGT−0
100
90
80
70
Methanogenesis
Methanogen component
BIT
1.00
0.98
0.96