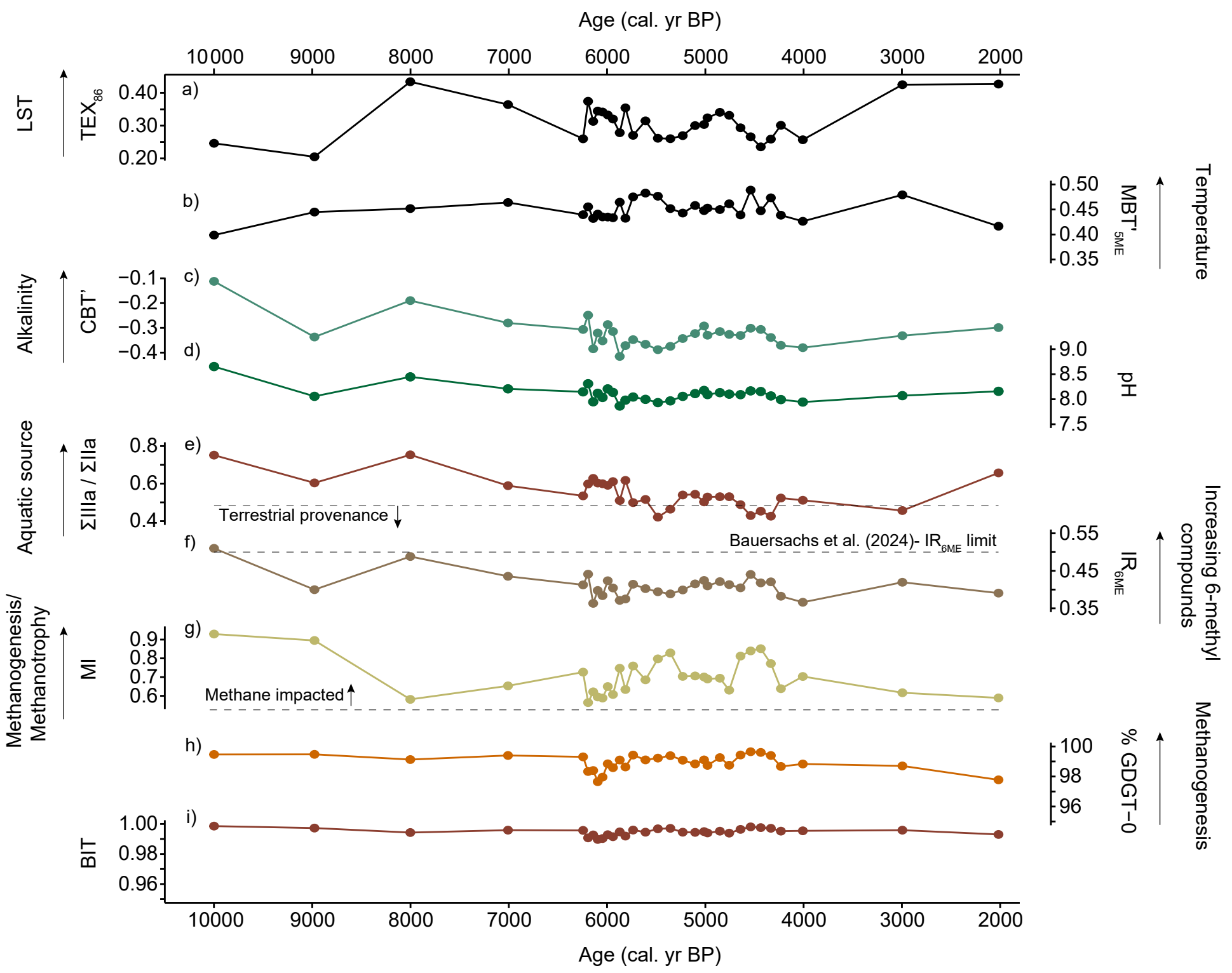
Age (cal. yr BP)
10000
9000
8000
7000
6000
5000
4000
3000
2000
LST
TEX86
0.40
0.30
0.20
a)
b)
MBT'5ME
0.50
0.45
0.40
0.35
Temperature
Alkalinity
CBT'
−0.1
−0.2
−0.3
−0.4
c)
d)
pH
9.0
8.5
8.0
7.5
Aquatic source
ΣIIIa / ΣIIa
0.8
0.6
0.4
e)
Terrestrial provenance
f)
Bauersachs et al. (2024)- IR6ME limit
IR6ME
0.55
0.45
0.35
Increasing 6-methyl compounds
Methanogenesis/ Methanotrophy
MI
0.9
0.8
0.7
0.6
g)
Methane impacted
h)
% GDGT−0
100
98
96
Methanogenesis
BIT
1.00
0.98
0.96
i)