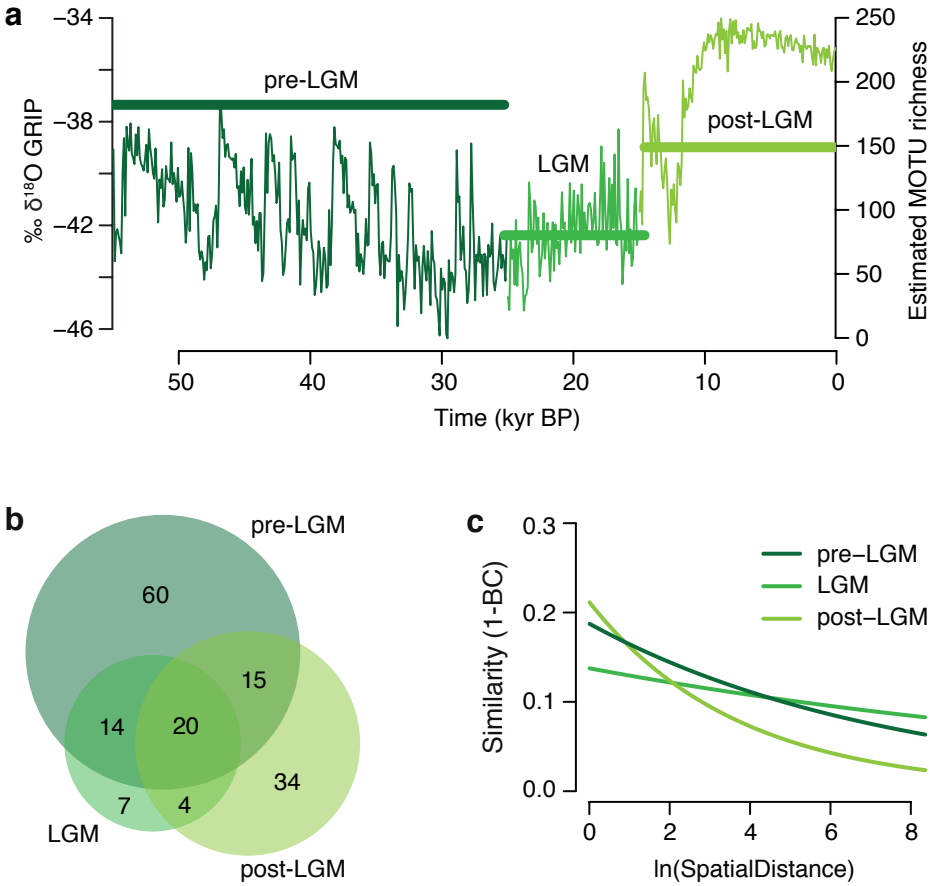
a
−34
−38
−42
−46
‰ δ18O GRIP
pre-LGM
LGM
post-LGM
250
200
150
100
50
0
Estimated MOTU richness
50
40
30
20
10
0
Time (kyr BP)
b
pre-LGM
60
15
14
20
34
7
4
LGM
post-LGM
c
0.3
0.2
0.1
0.0
Similarity (1-BC)
pre−LGM
LGM
post−LGM
0
2
4
6
8
ln(SpatialDistance)