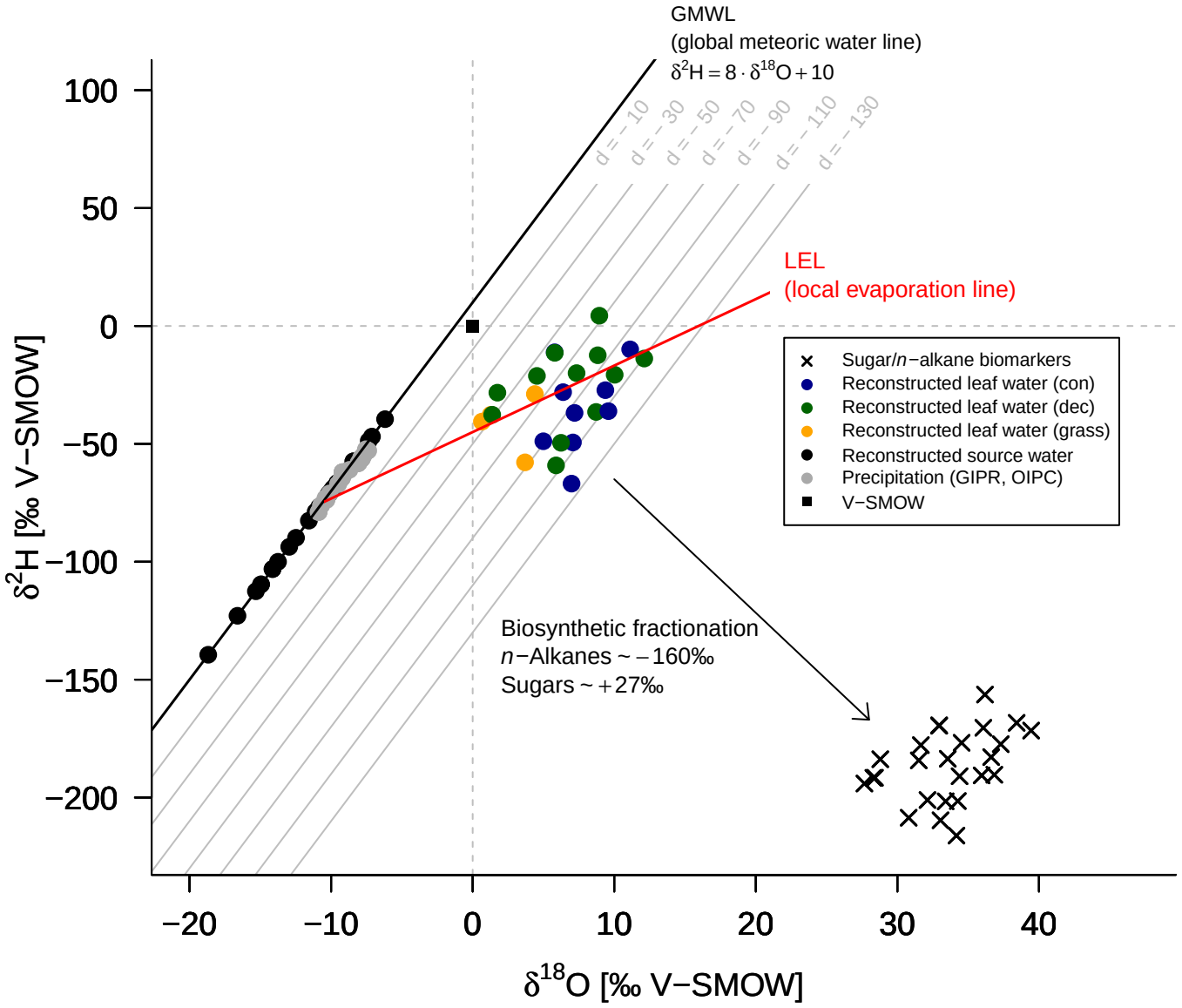
GMWL
(global meteoric water line)
δ2H = 8 · δ18O + 10
d = −10
d = −30
d = −50
d = −70
d = −90
d = −110
d = −130
LEL
(local evaporation line)
Sugar/n−alkane biomarkers
Reconstructed leaf water (con)
Reconstructed leaf water (dec)
Reconstructed leaf water (grass)
Reconstructed source water
Precipitation (GIPR, OIPC)
V−SMOW
Biosynthetic fractionation
n−Alkanes ~ −160‰
Sugars ~ +27‰
δ2H [‰ V−SMOW]
δ18O [‰ V−SMOW]
100
50
0
−50
−100
−150
−200
−20
−10
0
10
20
30
40