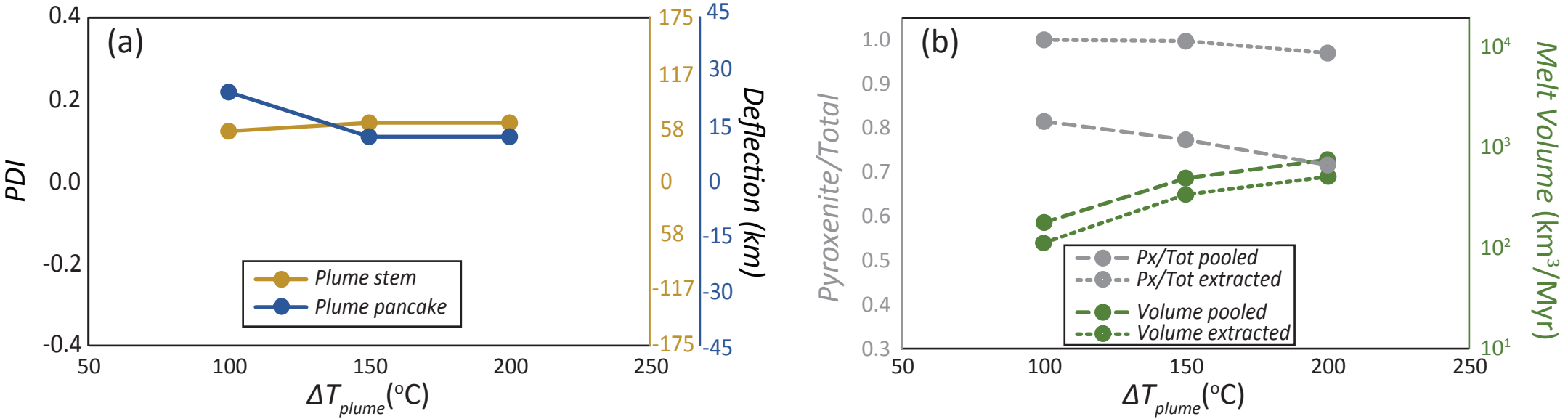
(a)
PDI
0.4
0.2
0.0
-0.2
-0.4
175
117
58
0
58
-117
-175
45
30
15
0
-15
-30
-45
Deflection (km)
Plume stem
Plume pancake
50
100
150
200
250
ΔT plume (°C)
(b)
Pyroxenite/Total
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
10⁴
10³
10²
10¹
Melt Volume (km³/Myr)
Px/Tot pooled
Px/Tot extracted
Volume pooled
Volume extracted
50
100
150
200
250
ΔT plume (°C)