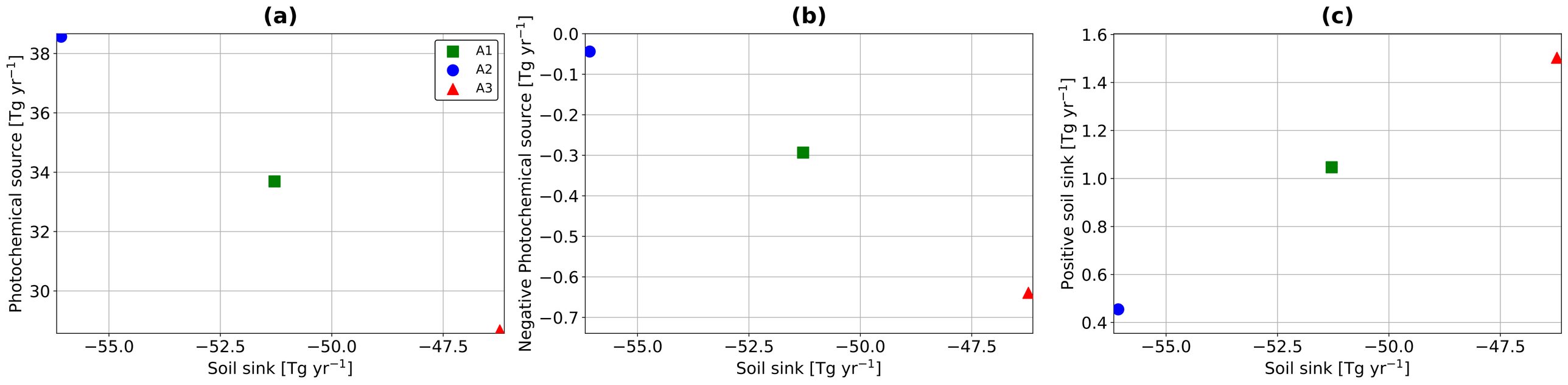

(a)
(b)
(c)
A1
A2
A3
Photochemical source [Tg yr$^{-1}$]
Negative Photochemical source [Tg yr$^{-1}$]
Positive soil sink [Tg yr$^{-1}$]
Soil sink [Tg yr$^{-1}$]
38
36
34
32
30
0.0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
1.6
1.4
1.2
1.0
0.8
0.6
0.4
−55.0
−52.5
−50.0
−47.5