

Supplementary table 2: List of *Polycarpaea* (Caryophyllaceae) species known from SW Asia which we could not test their photosynthetic type because of absence of material.

Species	Life form	Chorotype	Ecotype	Distribution
Caryophyllaceae				
<i>Polycarpaea kuriensis</i> Wagner	H	SM	XE, O-I-Tr	Endemic to Soqotra
<i>Polycarpaea balfourii</i> Briq.	T	SM	O, XE-Tr	Endemic to Soqotra
<i>Polycarpaea hayoides</i> D.F.Chamb.	T	SM	XE, O-Tr	Endemic to Soqotra.
<i>Polycarpaea jazirensis</i> P.A.Clement	H	SM	PS-Tr	Oman, Yemen
<i>Polycarpaea pulvinata</i> M.G. Gilbert	Ch	SM	O-I-Tr	Yemen
<i>Polycarpaea paulayana</i> Wagner	T	SM	PS-L-Tr	Endemic to Soqotra.
<i>Polycarpaea robbairea</i> (Kuntze) Greuter & Burdet	T or H	SM, SS	PS, O, R-Tr	Saudi Arabia, Yemen, Oman, UAE, Qatar, Kuwait, Jordan, Palestine/Israel