

Table S3. Polar lipids found in *Asticcacaulis* species using electrospray ionization(-) mass spectrometry (data for *A. excentricus* and *A. biprosthecium* are from Abraham *et al.*, 2001).

Mass, Da	722	734	742	746	748	760	762	768	770	774	784	796
Phospholipid	PG		PG		PG	PG	PG	PG				
Fatty acids	18:1		18:1		18:1	16:0		18:1				
	15:0		16:1		16:0	17:1	19:1	18:1				
Glycolipid							MGDMGD				MGD	MGD
Fatty acids			16:1				18:1				18:1	19:1
			16:0				17:1		17:0	18:0		18:1
<i>A. benevestidus</i> Z-0023 ^T		+	+	+	+	+	+	+	+	+		+
<i>A. excentricus</i> DSM 4724 ^T		+	+	+	+		+		+	+	+	
<i>A. biprosthecium</i> DSM 4723 ^T	+				+					+		+