

Supplementary Table S1: The 33 *Pimelea* taxa and eight outgroup taxa sampled for this study.

Family	Subfamily	Section	Species	Source ‡	Voucher	GenBank Accession
Thymelaeaceae	Aquilarioideae	–	<i>Aquilaria sinensis</i> †	GenBank	Unknown	KT148967
Thymelaeaceae	Thymelaeoideae	–	<i>Gnidia squarrosa</i> †	NSW	NSW438995	TBA
Thymelaeaceae	Thymelaeoideae	–	<i>Kelleria dieffenbachii</i> †	NSW	NSW834602	TBA
Thymelaeaceae	Thymelaeoideae	–	<i>Passerina montana</i> †	MEL	MEL2377944	TBA
Thymelaeaceae	Thymelaeoideae	–	<i>Struthiola thomsonii</i> †	NSW	NSW222789	TBA
Thymelaeaceae	Thymelaeoideae	–	<i>Wikstroemia indica</i> †	NSW	NSW906137	TBA
Thymelaeaceae	Thymelaeoideae	–	<i>Jedda multicaulis</i> †	BRI	AQ0608846	TBA
Thymelaeaceae	Thymelaeoideae	<i>Calyptostregia</i>	<i>Pimelea ammodoris</i>	NSW	NSW448686	TBA
Thymelaeaceae	Thymelaeoideae	<i>Epallage</i>	<i>Pimelea aquilonia</i>	BRI	AQ0792755	TBA
Thymelaeaceae	Thymelaeoideae	<i>Heterolaena</i>	<i>Pimelea avonensis</i>	CANB	CANB602332	TBA
Thymelaeaceae	Thymelaeoideae	<i>Epallage</i>	<i>Pimelea biflora</i>	MEL	NGW7390	TBA
Thymelaeaceae	Thymelaeoideae	<i>Epallage</i>	<i>Pimelea cremnophila</i>	CANB	CANB653994	TBA
Thymelaeaceae	Thymelaeoideae	<i>Epallage</i>	<i>Pimelea curviflora</i> var. <i>curviflora</i>	NSW	NSW856079	TBA
Thymelaeaceae	Thymelaeoideae	<i>Pimelea</i>	<i>Pimelea drupacea</i>	CANB	CBG54256	TBA
Thymelaeaceae	Thymelaeoideae	<i>Epallage</i>	<i>Pimelea elongata</i>	NSW	NSW251892	TBA
Thymelaeaceae	Thymelaeoideae	<i>Heterolaena</i>	<i>Pimelea ferruginea</i>	CANB	CBG8406525	TBA
Thymelaeaceae	Thymelaeoideae	<i>Pimelea</i>	<i>Pimelea flava</i> ssp. <i>dichotoma</i>	MEL	MEL2031297	TBA
Thymelaeaceae	Thymelaeoideae	<i>Stipostachya</i>	<i>Pimelea haematostachya</i>	NSW	NSW466727	TBA
Thymelaeaceae	Thymelaeoideae	<i>Pimelea</i> *	<i>Pimelea ignota</i>	CHR	CHR 482591	TBA
Thymelaeaceae	Thymelaeoideae	<i>Heterolaena</i>	<i>Pimelea lehmanniana</i> ssp. <i>nervosa</i> †	NSW	NSW613116	TBA
Thymelaeaceae	Thymelaeoideae	<i>Epallage</i>	<i>Pimelea leptospermoides</i>	NSW	NSW842531	TBA
Thymelaeaceae	Thymelaeoideae	<i>Calyptostregia</i>	<i>Pimelea ligustrina</i> ssp. <i>ligustrina</i> †	MEL	MEL2280887	TBA
Thymelaeaceae	Thymelaeoideae	<i>Epallage</i>	<i>Pimelea micrantha</i>	MEL	MEL2354365	TBA
Thymelaeaceae	Thymelaeoideae	<i>Pimelea</i>	<i>Pimelea microcephala</i> ssp. <i>microcephala</i>	MEL	MEL2269596	TBA
Thymelaeaceae	Thymelaeoideae	<i>Pimelea</i>	<i>Pimelea neo-anglica</i>	CANB	CBG9705344	TBA
Thymelaeaceae	Thymelaeoideae	<i>Calyptostregia</i>	<i>Pimelea octophylla</i>	MEL	MEL2354919	TBA

Thymelaeaceae	Thymelaeoideae	<i>Calyptostregia</i>	<i>Pimelea pagophila</i>	MEL	MEL2325844A	TBA
Thymelaeaceae	Thymelaeoideae	<i>Calyptostregia</i>	<i>Pimelea penicillaris</i>	BRI	AQ0783705	TBA
Thymelaeaceae	Thymelaeoideae	<i>Calyptostregia</i>	<i>Pimelea phyllicoides</i> †	MEL	MEL2236114	TBA
Thymelaeaceae	Thymelaeoideae	<i>Macrostegia</i>	<i>Pimelea physodes</i> †	NSW	NSW535232	TBA
Thymelaeaceae	Thymelaeoideae	<i>Heterolaena</i>	<i>Pimelea rosea</i>	CANB	CBG9810001	TBA
Thymelaeaceae	Thymelaeoideae	<i>Thecanthes</i> *	<i>Pimelea sanguinea</i>	NSW	NSW856505	TBA
Thymelaeaceae	Thymelaeoideae	<i>Epallage</i>	<i>Pimelea simplex</i> ssp. <i>simplex</i>	MEL	MEL2359109A	TBA
Thymelaeaceae	Thymelaeoideae	<i>Pimelea</i>	<i>Pimelea spicata</i>	CANB	CBG8603829	TBA
Thymelaeaceae	Thymelaeoideae	<i>Pimelea</i>	<i>Pimelea spinescens</i> ssp. <i>pubiflora</i>	MEL	MEL2292556A	TBA
Thymelaeaceae	Thymelaeoideae	<i>Calyptostregia</i>	<i>Pimelea treyvaudii</i> †	MEL	MEL0226949	TBA
Thymelaeaceae	Thymelaeoideae	<i>Epallage</i>	<i>Pimelea trichostachya</i>	MEL	MEL2051446	TBA
Thymelaeaceae	Thymelaeoideae	<i>Epallage</i>	<i>Pimelea umbratica</i>	CANB	CBG8403990	TBA
Thymelaeaceae	Thymelaeoideae	<i>Epallage</i>	<i>Pimelea venosa</i>	NSW	NSW372797	TBA
Thymelaeaceae	Thymelaeoideae	<i>Pimelea</i> *	<i>Pimelea xenica</i> †	CHR	CHR 525117	TBA
Malvaceae	Byttnerioideae	–	<i>Theobroma cacao</i> †	GenBank	Unknown	HQ336404

Notes:

* *Thecanthes* was recently reduced from the generic level to synonymy with *Pimelea*, but was not formally designated an infrageneric rank of subgenus of section (as it once had been). Here, we tentatively designate *P. sanguinea* to “section” *Thecanthes*. Additionally, while the sectional scheme of Rye & Heads (1990) places the NZ species of *Pimelea* into sect. *Pimelea*, Burrows (2008) did not follow this treatment and offered no infrageneric alternative. Here, we tentatively follow Rye & Heads (1990).

† These taxa were pruned from the data set before all topology clustering analyses.

‡ Herbarium abbreviations are as follows: Queensland Herbarium (BRI), Australian National Herbarium (CANB), Allan herbarium (CHR), National Herbarium of Victoria (MEL), National Herbarium of New South Wales (NSW).

References

- Burrows, C.J. (2008) Genus *Pimelea* (Thymelaeaceae) in New Zealand 1. The Taxonomic Treatment of Seven Endemic, Glabrous-Leaved Species, *New Zealand Journal of Botany*, 46, 2, 127–176.
- Rye, B.L. & Heads, M.J. (1990) "Thymelaeaceae", in George, A. S. (Ed.) *Flora of Australia*, 122–215.