

SUPPLEMENTARY DATA

Table S1. Location data, OTU, and germination results for isolates used in this current study. N, the total number of subcultures tested in this study.

Orchid/Isolate Species	Isolate	OTU	Genbank Accession	Location	Site Name	Latitude	Longitude	Germination	N	Reference
<i>Caladenia arenicola</i>	-	5	HM241759	Western Australia	Ken Hurst	S32°04'43.87"	E115°52'59.62"	-	-	Swarts et al. (2010)
<i>Caladenia atroclavia</i>	-	6	FJ611955	Queensland	Wyberba	S28°52'	E151°52'	-	-	Dearnaley, unpublished data
<i>Caladenia audasii</i>	-	6	GQ996354	Victoria	Bendigo	S36°46'07.72"	E144°15'20.66"	-	-	Wright et al. (2010)
<i>Caladenia audasii</i>	-	6	GQ996355	Victoria	Bendigo	S36°46'07.72"	E144°15'20.66"	-	-	Wright et al. (2010)
<i>Caladenia carnea</i>	-	3	AY643802	Queensland	Helidon Hills	S27°26'	E152°09'	-	-	Bougoure et al. (2005)
<i>Caladenia catenata</i>	-	2	DQ983814	Australia	-	-	-	-	-	Deshmukh et al. (2006)
<i>Caladenia dilatata</i>	-	4	DQ983815	Australia	-	-	-	-	-	Deshmukh et al. (2006)
<i>Caladenia flava</i>	-	3	HM241760	Western Australia	Ken Hurst	S32°04'43.87"	E115°52'59.62"	-	-	Swarts et al. (2010)
<i>Caladenia flava</i>	-	4	JX138545	Western Australia	Dale River	S32°17'	E116°33'	-	-	Sommer et al. (2012)
<i>Caladenia flava</i>	-	3	JX138546	Western Australia	Warwick Bushland	S31°50'3.3"	E115°49'6.7"	-	-	Sommer et al. (2012)
<i>Caladenia flava</i>	-	2	JX138547	Western Australia	Warwick	S31°50'3.3"	E115°49'6.7"	-	-	Sommer et al. (2012)
<i>Caladenia formosa</i>	-	6	EF063699	Victoria	-	-	-	-	-	Osborn et al, unpublished data
<i>Caladenia formosa</i>	-	6	EF063701	Victoria	-	-	-	-	-	Osborn et al, unpublished data
<i>Caladenia huegelii</i>	-	6	HM241748	Western Australia	Kooljerrenu p	S32°47'29.12"	E115°43'48.71"	-	-	Swarts et al. (2010)
<i>Caladenia huegelii</i>	-	6	HM241749	Western Australia	Fraser	S32°06'41.71"	E115°53'34.98"	-	-	Swarts et al. (2010)
<i>Caladenia huegelii</i>	-	6	HM241750	Western Australia	Fraser	S32°06'41.71"	E115°53'34.98"	-	-	Swarts et al. (2010)
<i>Caladenia huegelii</i>	-	6	HM241756	Western Australia	Wandi	S32°12'14.58"	E115°54'19.60"	-	-	Swarts et al. (2010)
<i>Caladenia longicauda</i>	-	1	HM241758	Western Australia	Ken Hurst	S32°04'43.87"	E115°52'59.62"	-	-	Swarts et al. (2010)
<i>Caladenia longicauda</i>	-	OG	JX138551	Western Australia	Mininup NR	S34°07'13.2"	E116°49'38.2"	-	-	Sommer et al. (2012)
<i>Caladenia marginata</i>	-	3	JX138554	Western Australia	Yornup	S34°06'20.7"	E116°11'59.8"	-	-	Sommer et al. (2012)
<i>Caladenia pattersonii</i>	-	6	GQ996361	Victoria	Inverleigh	S36°03'06.26"	E144°01'39.06"	-	-	Wright et al. (2010)
<i>Caladenia pattersonii</i>	-	6	GQ996362	Victoria	Inverleigh	S36°03'06.26"	E144°01'39.06"	-	-	Wright et al. (2010)
<i>Caladenia rosella</i>	-	6	GQ996358	Victoria	Cottles Bridge	S37°37'22.90"	E145°13'03.71"	-	-	Wright et al. (2010)
<i>Caladenia serotina</i>	-	5	JX138555	Western Australia	Yornup	S34°06'19.9"	E116°11'57.8"	-	-	Sommer et al. (2012)

<i>Caladenia tentaculata</i>	-	4	EF470248	Victoria	-	-	-	-	-	Wright (2007)
<i>Caladenia tentaculata</i>	-	4	EF470249	Victoria	-	-	-	-	-	Wright (2007)
<i>Caladenia tentaculata</i>	-	4	EU526279	Victoria	-	-	-	-	-	Wright (2007)
<i>Caladenia tentaculata</i>	-	4	EU526280	Victoria	-	-	-	-	-	Wright (2007)
<i>Caladenia tentaculata</i>	-	OG	EU526281	Victoria	-	-	-	-	-	Wright (2007)
<i>Caladenia tentaculata</i>	-	4	EU526282	Victoria	-	-	-	-	-	Wright (2007)
<i>Caladenia tentaculata</i>	-	6	GQ996339	Victoria	Maldon	S36°59'51.02"	E144°04'01.99"	-	-	Wright et al. (2010)
<i>Caladenia tentaculata</i>	-	6	GQ996340	Victoria	Maldon	S36°59'51.02"	E144°04'01.99"	-	-	Wright et al. (2010)
<i>Caladenia tentaculata</i>	-	6	GQ996341	Victoria	Maldon	S36°59'51.02"	E144°04'01.99"	-	-	Wright et al. (2010)
<i>Caladenia tentaculata</i>	-	6	GQ996342	Victoria	Maldon	S36°59'51.02"	E144°04'01.99"	-	-	Wright et al. (2010)
<i>Caladenia tentaculata</i>	-	4	GQ996344	Victoria	Maldon	S36°59'51.02"	E144°04'01.99"	-	-	Wright et al. (2010)
<i>Caladenia tentaculata</i>	-	6	GQ996345	Victoria	Maldon	S36°59'51.02"	E144°04'01.99"	-	-	Wright et al. (2010)
<i>Caladenia tentaculata</i>	-	2?	GQ996346	Victoria	Chewton	S37°04'33.24"	E144°16'37.06"	-	-	Wright et al. (2010)
<i>Caladenia tentaculata</i>	-	4	GQ996347	Victoria	Chewton	S37°04'33.24"	E144°16'37.06"	-	-	Wright et al. (2010)
<i>Caladenia tentaculata</i>	-	4	GQ996348	Victoria	Eltham	S37°43'27.29"	E145°08'43.89"	-	-	Wright et al. (2010)
<i>Caladenia tentaculata</i>	-	4	GQ996349	Victoria	Eltham	S37°43'27.29"	E145°08'43.89"	-	-	Wright et al. (2010)
<i>Caladenia tentaculata</i>	-	2	GQ996352	Victoria	Wonthaggi	S38°38'39.12"	E145°33'56.53"	-	-	Wright et al. (2010)
<i>Caladenia tessellata</i>	-	6	DQ983816	Australia	-	-	-	-	-	Deshmukh et al. (2006)
<i>Elythranthera brunonis</i>	-	3	JX138544	Western Australia	Dale River	S32°17'	E116°33'	-	-	Sommer et al. (2012)
<i>Elythranthera emarginata</i>	-	3	JX138550	Western Australia	Tone Bridge	S34°05'57.2"	E116°49'53.8"	-	-	Sommer et al. (2012)
<i>Pheladenia deformis</i>	3a	1	25	Western Australia	Lochada Rd	S29°15'09.64"	E116°22'06.41"	3(2)	6	present study
<i>Pheladenia deformis</i>	2b	1	30	Western Australia	Lochada Rd	S29°15'08.08"	E116°22'05.93"	0(0)	2	present study
<i>Pheladenia deformis</i>	2a	1	32	Western Australia	Lochada Rd	S29°15'08.08"	E116°22'05.93"	0(0)	2	present study
<i>Pheladenia deformis</i>	6a	1	39	Western Australia	Zig Zag	S31°55'58.38"	E116°03'26.24"	5(3)	3	present study
<i>Pheladenia deformis</i>	3e	1	56	Victoria	Little Desert	S36°25'39.20"	E142°44'56.80"	0(0)	3	present study
<i>Pheladenia deformis</i>	3d	1	59	Victoria	Dalyenong	S36°47'01.12"	E143°24'28.08"	0(0)	3	present study
<i>Pheladenia deformis</i>	3f	1	60	Victoria	Little Desert	S36°25'39.20"	E142°44'56.80"	0(0)	2	present study
<i>Pheladenia deformis</i>	4d	1	64	Victoria	Germania	S36°58'18.86"	E142°44'54.05"	5(2)	2	present study
<i>Pheladenia deformis</i>	3b	1	69	Victoria	Dalyenong	S36°47'01.12"	E143°24'28.08"	5(3)	3	present study
<i>Pheladenia deformis</i>	1d	1	70	Victoria	Dalyenong	S36°47'00.36"	E145°24'25.71"	0(0)	3	present study
<i>Pheladenia deformis</i>	5b	1	74	Western Australia	Mundaring	S32°00'52.56"	E116°20'28.97"	4(2)	2	present study
<i>Pheladenia deformis</i>	6b	1	75	Western Australia	Mt Ridley	S33°17'20.42"	E122°07'31.07"	4(3)	3	present study
<i>Pheladenia deformis</i>	2b	1	77	Western Australia	Mt Ridley	S33°17'21.87"	E122°07'31.38"	NA	NA	present study
<i>Pheladenia deformis</i>	2a	1	78	Western Australia	Mt Ridley	S33°17'21.87"	E122°07'31.38"	5(3)	3	present study
<i>Pheladenia deformis</i>	4b	1	79	Western Australia	Mt Ridley	S33°17'20.68"	E122°07'31.85"	NA	NA	present study
<i>Pheladenia deformis</i>	2c	4	86	Western Australia	Mundaring	S32°00'53.00"	E116°20'29.49"	3(2)	3	present study
<i>Pheladenia deformis</i>	3a	1	88	Western Australia	Wongan	S30°52'40.09"	E116°42'26.07"	0(0)	3	present study

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<i>Pheladenia deformis</i>	2c	1	91	Western Australia	Dryandra	S32° 45'43.33"	E116° 57'45.36"	0(0)	3	present study
<i>Pheladenia deformis</i>	2b	4	92	Western Australia	Mundaring	S32° 00'53.00"	E116° 20'29.49"	4(3)	3	present study
<i>Pheladenia deformis</i>	2a	4	93	Western Australia	Mundaring	S32° 00'53.00"	E116° 20'29.49"	3(3)	3	present study
<i>Pheladenia deformis</i>	4c	1	94	Western Australia	Mundaring	S32° 00'52.47"	E116° 20'30.07"	3(2)	3	present study
<i>Pheladenia deformis</i>	4b	1	95	Western Australia	Mundaring	S32° 00'52.47"	E116° 20'30.07"	3(1)	3	present study
<i>Pheladenia deformis</i>	4a	1	98	Victoria	Little Desert	S36° 25'39.70"	E141° 45'15.32"	5(3)	3	present study
<i>Pheladenia deformis</i>	1f	1	101	Victoria	Inverleigh	S36° 03'04.17"	E144° 01'37.62"	0(0)	2	present study
<i>Pheladenia deformis</i>	1a	1	103	Victoria	Little Desert	S36° 25'41.10"	E141° 45'16.46"	5(3)	6	present study
<i>Pheladenia deformis</i>	2c	1	105	Victoria	Germania	S36° 58'16.46"	E142° 44'53.83"	NA	NA	present study
<i>Pheladenia deformis</i>	3b	1	106	Victoria	Little Desert	S36° 25'39.20"	E141° 45'17.01"	0(0)	2	present study
<i>Pheladenia deformis</i>	1a	1	111	Victoria	Germania	S36° 58'17.20"	E142° 44'56.80"	0(0)	4	present study
<i>Pheladenia deformis</i>	3c	1	114	Victoria	Little Desert	S36° 25'39.20"	E142° 44'56.80"	0(0)	3	present study
<i>Pheladenia deformis</i>	1e	1	115	Victoria	Little Desert	S36° 25'41.10"	E141° 45'16.46"	NA	NA	present study
<i>Pheladenia deformis</i>	2a	1	116	Victoria	Inverleigh	S36° 03'06.26"	E144° 01'39.06"	NA	NA	present study
<i>Pheladenia deformis</i>	2e	1	118	Victoria	Germania	S36° 58'16.46"	E142° 44'53.83"	5(3)	3	present study
<i>Pinus mycelia</i>	-	OG	EF619764	USA	-	-	-	-	-	Parrent & Vilgalys (2007)
<i>Pinus taeda</i> root tip	-	OG	AY296255	unknown	-	-	-	-	-	Walker & Parrent, unpublished data
<i>Sebacina allantoidea</i>	-	OG	AF490396	Germany	-	-	-	-	-	Selosse et al. (2002)
<i>Sebacina epigea</i>	-	OG	AF490397	Germany	-	-	-	-	-	Selosse et al. (2002)
<i>Sebacina vermifera</i>	-	4	AF202728	USA	-	-	-	-	-	Taylor et al. unpublished data
soil	-	OG	DQ388872	Queensland	Peachester State Forest	S26° 50'	E152° 53'	-	-	Bastias et al. (2006)

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