

## Accessory Publication 1

**Table 4. Specific localities and GenBank accession numbers of arripid species analysed in this study**

Under specific localities the number of individuals analysed from a region is given in parentheses, if greater than one. Under Gene-GenBank accession number the source reference is given for previously published sequences; <sup>A</sup>, Sequence overloaded for Cox1, not included in analyses; <sup>B</sup>, one individual not included in analyses for Cox1, sequence overloaded.

Abbreviations: Aus, Australia; Ng, Not given; NSW, New South Wales; SA, South Australia; SE, South-East Australia; Tas, Tasmania; WA, Western Australia

Arripid species	Number of individuals analysed	State/region	Specific localities	Gene-GenBank accession number
<i>Arripis georgianus</i>	4	SA	Emu Bay [35°36'13"S, 137°31'12"E] Pt. Broughton [33°36'0"S, 137°55'53"E] Rapid Bay [35°31'31"S, 138°11'14"E] Tickera [33°47'8"S, 137°42'23"E]	16S-HM755839 Cox1-HM755843
<i>A. truttaceus</i>	4	SA	Cape Jervis [35°36'29"S, 138°5'45"E] Emu Bay [35°36'13"S, 137°31'12"E] Whyalla (2) [33°2'44"S, 137°34'59"E]	16S-HM755836 Cox1-HM755840
<i>A. trutta</i>	4	SA	American River [35°47'9"S, 137°46'24"E] Almonta Beach, Coffin Bay [34°37'20"S, 135°27'46"E] Emu Bay (2) [35°36'13"S, 137°31'12"E]	16S-HM755837 Cox1-HM755841
<i>A. trutta</i>	4	NSW	Bermagui (4) [36°25'12"S, 150°4'55"E] <sup>B</sup>	16S-HM755838 Cox1-HM755842
<i>A. georgianus</i>	1	Aus	Ng	16S-DQ532841; Smith and Wheeler (2006)
<i>A. truttaceus</i>	1	SE Aus	Ng	16S-EU848429; Deagle <i>et al.</i> (in press)
<i>A. trutta</i>	1	Ng	Ng	16S-AB205430; Doiuchi and Nakabo (2006)
<i>A. georgianus</i>	1	WA	Ng	Cox1-EF609289; Ward and Holmes (2007)
<i>A. truttaceus</i>	1	SA	Ng	Cox1-EF609291; Ward and Holmes (2007)
<i>A. trutta</i>	1	Tas	Ng	Cox1-EF609290; Ward and Holmes (2007)

## **Accessory Publication 2**

**Table 5.** Percentage divergence of Cox1 sequences for *Arripis* species collected in this study and previously published on GenBank

Below each arripid species, locality (if collected in this study) or locality and GenBank accession number (if previously published) is given; length of all Cox1 sequences is 655 bp apart from *A. trutta* NSW (638 bp) and *A. georgianus* SA (651 bp); all 4 *A. truttaceus* from SA sequenced in this study were homologous, which is also the case for all 4 *A. trutta* from SA, all 3 *A. trutta* from NSW and all 3 *A. georgianus* from SA. Abbreviations: NSW, New South Wales; SA, South Australia; Tas, Tasmania; WA, Western Australia