

S1 Table. Details of samples, sequences and corresponding GenBank Accession numbers for *Aplocheilus panchax*. Co-ords indicate whether sample locations were determined by GPS or GoogleEarth (GE). The exact locality of L6936 is unknown but originated in Kalkotta.

Sample	Country	Locality	Latitude	Longitude	Co-ords	CR	CO1	AP44	AP50	AP70
Pen1	Malaysia	Penang	5.1643167	100.4814	GPS	GQ377753	KJ957587	-	-	-
Pen2	Malaysia	Penang	5.1643167	100.4814	GPS	GQ377753	KJ957588	-	-	-
Pen3	Malaysia	Penang	5.1643167	100.4814	GPS	GQ377753	KJ957610	KJ957303	-	KJ957410
Pen4	Malaysia	Penang	5.1643167	100.4814	GPS	GQ377753	KJ957589	-	-	-
Pen5	Malaysia	Penang	5.1643167	100.4814	GPS	GQ377753	KJ957590	-	-	-
Pen6	Malaysia	Penang	5.1643167	100.4814	GPS	GQ377753	KJ957611	KJ957304	KJ957370	KJ957411
Pen7	Malaysia	Penang	5.1643167	100.4814	GPS	GQ377753	KJ957612	KJ957305	KJ957371	KJ957412
Pen8	Malaysia	Penang	5.1643167	100.4814	GPS	GQ377753	KJ957613	-	-	-
Sur1	Indonesia	Near Surabaya	-7.6599667	112.6979667	GPS	GQ377753	-	-	-	-
Sur2	Indonesia	Near Surabaya	-7.6599667	112.6979667	GPS	GQ377753	KJ957554	-	KJ957384	KJ957423
Sur3	Indonesia	Near Surabaya	-7.6599667	112.6979667	GPS	GQ377753	KJ957555	-	KJ957385	-
Bog1	Indonesia	Bogor	-6.4962	106.8516833	GPS	GQ377753	KJ957546	KJ957284	KJ957348	KJ957392
Bog2	Indonesia	Bogor	-6.4962	106.8516833	GPS	GQ377753	KJ957547	-	-	-
Bog3	Indonesia	Bogor	-6.4962	106.8516833	GPS	GQ377753	KJ957548	-	-	-
Bog4	Indonesia	Bogor	-6.4962	106.8516833	GPS	GQ377753	KJ957549	-	-	-
Bog5	Indonesia	Bogor	-6.4962	106.8516833	GPS	GQ377753	KJ957607	KJ957296	KJ957362	-
Bog6	Indonesia	Bogor	-6.4962	106.8516833	GPS	GQ377753	KJ957550	KJ957297	KJ957363	KJ957404
Bog7	Indonesia	Bogor	-6.4962	106.8516833	GPS	GQ377753	KJ957551	-	-	-
Bog8	Indonesia	Bogor	-6.4962	106.8516833	GPS	GQ377753	KJ957552	-	-	-
Bog9	Indonesia	Bogor	-6.4962	106.8516833	GPS	GQ377753	KJ957553	-	-	-
Ban1	Indonesia	Banjarmasin	-3.4266167	114.83245	GPS	GQ377753	KJ957540	KJ957283	KJ957347	KJ957391
Ban2	Indonesia	Banjarmasin	-3.4266167	114.83245	GPS	GQ377753	KJ957541	-	-	-
Ban3	Indonesia	Banjarmasin	-3.4266167	114.83245	GPS	GQ377753	KJ957542	-	-	-

Ban4	Indonesia	Banjarmasin	-3.4266167	114.83245	GPS	GQ377753	KJ957543	-	-	-
Ban5	Indonesia	Banjarmasin	-3.4266167	114.83245	GPS	GQ377753	KJ957544	-	-	-
Ban6	Indonesia	Banjarmasin	-3.4266167	114.83245	GPS	GQ377753	KJ957545	-	-	-
PL1	Indonesia	Pulau Laut, Natuna	4.7268	107.982	GPS	GQ377753	-	KJ957306	KJ957372	-
Sin1	Singapore	Tekong Res.	1.415	104.045	GPS	GQ377753	KJ957616	KJ957310	KJ957376	-
Sin2	Singapore	Rifle Range	1.3569444	103.7916667	GPS	GQ377753	KJ957617	KJ957311	KJ957377	KJ957416
Sin3	Singapore	Sime Rd	1.3427778	103.8130556	GPS	GQ377753	-	KJ957312	KJ957378	KJ957417
Kra1	Thailand	Krabi, Sa Keao	8.1684	98.8091667	GPS	GQ377753	-	KJ957300	KJ957367	KJ957407
WS1	Indonesia	West Sumatra	-0.905	101.3458333	GPS	-	-	KJ957318	KJ957386	KJ957424
IND1	India	Tamil Nadu	8.6554889	77.9811111	GE	GQ377753	KJ957593	KJ957285	KJ957349	KJ957393
Jam1	Indonesia	Jambi	-1.49655	103.5772167	GPS	GQ377753	KJ957565	KJ957298	KJ957364	-
Jam2	Indonesia	Jambi	-1.49655	103.5772167	GPS	GQ377753	KJ957566	KJ957299	KJ957365	KJ957405
Jam3	Indonesia	Jambi	-1.49655	103.5772167	GPS	GQ377753	KJ957567	-	KJ957366	KJ957406
Jam4	Indonesia	Jambi	-1.49655	103.5772167	GPS	GQ377753	KJ957568	-	-	-
Jam5	Indonesia	Jambi	-1.49655	103.5772167	GPS	GQ377753	KJ957569	-	-	-
Jam6	Indonesia	Jambi	-1.49655	103.5772167	GPS	GQ377753	KJ957570	-	-	-
Jam7	Indonesia	Jambi	-1.49655	103.5772167	GPS	GQ377753	KJ957571	-	-	-
Jam8	Indonesia	Jambi	-1.49655	103.5772167	GPS	GQ377753	KJ957572	-	-	-
Jam10	Indonesia	Jambi	-1.49655	103.5772167	GPS	GQ377753	KJ957573	-	-	-
Pek1	Indonesia	Pekanbaru	0.4220333	101.4367167	GPS	GQ377753	KJ957582	-	-	-
Pek2	Indonesia	Pekanbaru	0.4220333	101.4367167	GPS	GQ377753	KJ957583	-	-	-
Pek3	Indonesia	Pekanbaru	0.4220333	101.4367167	GPS	GQ377753	KJ957584	-	-	-
Pek4	Indonesia	Pekanbaru	0.4220333	101.4367167	GPS	GQ377753	KJ957585	KJ957287	KJ957351	KJ957395
Pek5	Indonesia	Pekanbaru	0.4220333	101.4367167	GPS	GQ377753	KJ957586	-	-	-
Pek7	Indonesia	Pekanbaru	0.4220333	101.4367167	GPS	GQ377753	KJ957608	KJ957301	KJ957368	KJ957408
Pek8	Indonesia	Pekanbaru	0.4220333	101.4367167	GPS	GQ377753	KJ957609	KJ957302	KJ957369	KJ957409
Bal2	Indonesia	Bali	-8.509193	115.567178	GPS	GQ377753	KJ957561	-	-	-
Bal4	Indonesia	Bali	-8.509193	115.567178	GPS	GQ377753	KJ957562	-	KJ957359	KJ957401
Bal5	Indonesia	Bali	-8.509193	115.567178	GPS	GQ377753	KJ957563	KJ957295	KJ957360	KJ957402

Bal6	Indonesia	Bali	-8.509193	115.567178	GPS	GQ377753	KJ957564	-	KJ957361	KJ957403
Sul1	Indonesia	Sulawesi, Toletole stream	-2.5277333	121.1121	GPS	GQ377753	KJ957556	KJ957288	KJ957352	KJ957396
Sul2	Indonesia	Sulawesi, Toletole stream	-2.5277333	121.1121	GPS	GQ377753	KJ957557	KJ957316	KJ957382	KJ957421
Sul3	Indonesia	Sulawesi, Toletole stream	-2.5277333	121.1121	GPS	GQ377753	KJ957559	KJ957317	KJ957383	KJ957422
Sul4	Indonesia	Sulawesi, Toletole stream	-2.5277333	121.1121	GPS	GQ377753	KJ957560	-	-	-
Sul5	Indonesia	Sulawesi, Toletole stream	-2.5277333	121.1121	GPS	GQ377753	KJ957558	-	-	-
Sul13	Indonesia	Sulawesi	-2.816	121.58325	GPS	GQ377753	-	-	-	-
SBP1	Malaysia	Sg. Batu Pahat, Perlis	6.5085389	100.1766278	GPS	GQ377753	-	KJ957307	KJ957373	KJ957413
SBP2	Malaysia	Sg. Batu Pahat, Perlis	6.5085389	100.1766278	GPS	GQ377753	KJ957614	KJ957308	KJ957374	KJ957414
SBP3	Malaysia	Sg. Batu Pahat, Perlis	6.5085389	100.1766278	GPS	GQ377753	KJ957615	KJ957309	KJ957375	KJ957415
SBP4	Malaysia	Sg. Batu Pahat, Perlis	6.5085389	100.1766278	GPS	GQ377753	-	-	-	-
SR01	Indonesia	Sibreh, Aceh, Sumatra	5.4615972	95.3786139	GPS	GQ377752	-	-	-	-
SR04	Indonesia	Sibreh, Aceh, Sumatra	5.4615972	95.3786139	GPS	GQ377753	KJ957618	KJ957313	KJ957379	KJ957418
SR08	Indonesia	Sibreh, Aceh, Sumatra	5.4615972	95.3786139	GPS	GQ377753	KJ957591	KJ957314	KJ957380	KJ957419
SR10	Indonesia	Sibreh, Aceh, Sumatra	5.4615972	95.3786139	GPS	GQ377753	KJ957592	KJ957315	KJ957381	KJ957420
LR5768	Malaysia	Dungun	4.881381	103.375834	GPS	GQ377753	-	-	-	-
LR5769	Malaysia	Dungun	4.881381	103.375834	GPS	GQ377753	-	-	-	-
LR5770	Malaysia	Dungun	4.881381	103.375834	GPS	GQ377753	KJ957574	KJ957286	KJ957350	KJ957394
LR5771	Malaysia	Dungun	4.881381	103.375834	GPS	GQ377753	KJ957575	-	-	-
LR5774	Malaysia	Dungun	4.881381	103.375834	GPS	GQ377753	KJ957576	-	-	-
LR5775	Malaysia	Dungun	4.881381	103.375834	GPS	GQ377753	KJ957577	-	-	-
LR5778	Malaysia	Dungun	4.881381	103.375834	GPS	GQ377753	KJ957578	-	-	KJ957426
LR5779	Malaysia	Dungun	4.881381	103.375834	GPS	GQ377753	KJ957579	-	KJ957387	KJ957425
LR5780	Malaysia	Dungun	4.881381	103.375834	GPS	GQ377753	KJ957580	-	-	-
LR5781	Malaysia	Dungun	4.881381	103.375834	GPS	GQ377753	KJ957581	-	-	-
LR5798	Malaysia	Dungun	4.881381	103.375834	GPS	GQ377753	-	-	-	-
LR6971	Vietnam	Kien Giang province	10.30592	103.95361	GPS	GQ377753	KJ957594	KJ957320	KJ957388	KJ957428
LR6972	Vietnam	Kien Giang province	10.30592	103.95361	GPS	GQ377753	KJ957595	KJ957321	KJ957389	KJ957429
LR6973	Vietnam	Kien Giang province	10.30592	103.95361	GPS	GQ377753	-	KJ957322	KJ957390	KJ957430

LR6974	Vietnam	Kien Giang province	10.30592	103.95361	GPS	GQ377753	KJ957596	-	-	-
LR6975	Vietnam	Kien Giang province	10.30592	103.95361	GPS	GQ377753	KJ957597	-	-	-
LR6976	Vietnam	Kien Giang province	10.30592	103.95361	GPS	GQ377753	KJ957598	-	-	-
LR6936	India	Kalkotta	-	-	GE	GQ377753	-	KJ957319	-	KJ957427
7001	Cambodia	Near Andoung Tuek	11.20258	103.44572	GPS	GQ377753	-	KJ957289	KJ957353	-
7002	Cambodia	Near Andoung Tuek	11.20258	103.44572	GPS	GQ377753	KJ957600	KJ957290	KJ957354	KJ957397
7003	Cambodia	Near Andoung Tuek	11.20258	103.44572	GPS	GQ377753	KJ957599	KJ957291	KJ957355	-
7005	Cambodia	Near Andoung Tuek	11.20258	103.44572	GPS	GQ377753	KJ957601	-	-	-
7008	Cambodia	Near Andoung Tuek	11.20258	103.44572	GPS	GQ377753	KJ957602	-	-	-
7020	Vietnam	Kien Giang province	10.32995	103.96661	GPS	-	KJ957603	KJ957292	KJ957356	KJ957398
7022	Vietnam	Kien Giang province	10.32995	103.96661	GPS	-	KJ957604	KJ957293	KJ957357	KJ957399
7023	Vietnam	Kien Giang province	10.32995	103.96661	GPS	-	KJ957605	KJ957294	KJ957358	KJ957400
7024	Vietnam	Kien Giang province	10.32995	103.96661	GPS	-	KJ957606	-	-	-