

Supp. Table S1. Primers designed for specific amplification of *AKRIC1* and *AKRIC2* genes and non-specific primers designed to co-amplify *AKRIC1/AKRIC2*.

	Primer	Oligo Sequence
<i>AKRIC1</i>	E1C1-F	5' GAACTCATCATCATGACACAA 3'
	E1C1-R	5' AGATGACCCTGTGACAAGAT 3'
	E2C1-F	5' GTGAACGT CGCT ACTTGTGC 3'
	E2C1-R	5' ACAATTCACCCT ATA CTATGGAT 3'
	E3C1-F	5' GGTGGAGCAAAC T AGTAAAA T 3'
	E3C1-R	5' AATGCTTAGTTCAAAT ATCCATA 3'
	E4C1-F	5' ACATA CC ACTCTCTGGAGCA 3'
	E4C1-R	5' CTGTTTCCTCCT TGGG AAAC 3'
	E5C1-F	5' TACT TTT CACAG TTCT GTGT CAC 3'
E5C1-R	5' TATGCCCTTCGAGACAGAG T 3'	
<i>AKRIC2</i>	E4C2-F	5' GTGAACGT TGCT GCTTGTGC 3'
	E4C2-R	5' CAATTCACCCT CA ACTATGGAT 3'
	E5C2-F	5' GGTGGAGCAAAC T AGTAAAA C 3'
	E5C2-R	5' TAGTTCAAAT CTCC ATGAAAAC 3'
	E6C2-F	5' TACCTTCATATGTAGTACACT T 3'
	E6C2-R	5' CTGTTTCCTCCT TAGG AAAG 3'
	E7C2-F	5' TGCT TTT CACAG TTCT ATGT TAC 3'
E7C2-R	5' CATG CCCTTCT AGGA AGAGG 3'	
<i>AKRIC1/AKRIC2</i>	E2C1/E4C2-F	5' CTCATCCAAGAAAGGAGGAA 3'
	E2C1/E4C2-R	5' CCAGTCATAGAACTGCCAC 3'

The mismatches between *AKRIC1* and *AKRIC2* are denoted in red. E1C1-F and E1C1-R are forward and reverse primers respectively to amplify exon 1/splice junctions of the *AKRIC1* gene, the same nomenclature was used for all other primer pairs.

Supp. Table S2. List of SNPs identified using the bioinformatic procedure described in Fig. 2 and Fig. 3., classified as “very strong SNPs”, “strong SNPs”, and “SNPs” according to the amount of evidence for these SNPs being SNPs.

The complete data file, including genome alignment information, aligned alleles, heterozygosity data, and validation data used to determine these classifications, can be accessed online at <http://sites.google.com/site/snndatabase/> or from the authors (JA: jonathana@usyd.edu.au, JR: jreichardt@med.usyd.edu.au).

Very Strong SNPs (two mapped loci with heterozygosity >0.4 and validation code <4)							
rs1042185	rs1043152	rs1044162	rs1045136	rs1045144	rs1045145	rs1046682	rs1046949
rs1048478	rs1048983	rs1048997	rs1048999	rs1049086	rs1050317	rs1050326	rs1050517
rs1052445	rs1052554	rs1053125	rs1053126	rs1053212	rs1053224	rs1053350	rs1053354
rs1053359	rs1053360	rs1054547	rs1055781	rs1056642	rs1056643	rs1056797	rs1056808
rs1056814	rs1056818	rs1056821	rs1056917	rs1057325	rs1057327	rs1057329	rs1057337
rs1057338	rs1057492	rs1057855	rs1058164	rs1059525	rs1059559	rs1059811	rs1059815
rs1059817	rs1059828	rs1060165	rs1060588	rs1060822	rs1061143	rs1061145	rs1061183
rs1061695	rs1062088	rs1064422	rs1064646	rs1064647	rs1064648	rs11055	rs1126777
rs1127666	rs1130340	rs1130363	rs1130512	rs1132665	rs1133660	rs1133828	rs1133923
rs1135668	rs1138376	rs1139426	rs11554747	rs12195	rs1240504	rs12646	rs13234
rs1351891	rs14120	rs1476703	rs1476704	rs1616532	rs1619896	rs1654636	rs16824474
rs16840561	rs16912759	rs16917089	rs16944002	rs16983693	rs16987908	rs17002852	rs17097904
rs17113939	rs17177570	rs17177577	rs17183967	rs17294353	rs17339526	rs17340418	rs17343754
rs17349893	rs17355196	rs1737367	rs17434073	rs1756236	rs17842628	rs1805325	rs1973093
rs2006843	rs2016861	rs2072923	rs2227879	rs2227880	rs2227885	rs2228974	rs2229399
rs2229400	rs2229402	rs2230354	rs2234946	rs2308765	rs2412738	rs2537471	rs2549566
rs257636	rs2599958	rs2604045	rs2853378	rs2949097	rs3174720	rs3180357	rs3182034
rs3186938	rs3189398	rs3195576	rs3199021	rs3208201	rs3210692	rs3211370	rs34396823
rs34554556	rs34949720	rs35154949	rs35288745	rs35395857	rs35457576	rs3575	rs36105756
rs3795791	rs379856	rs384470	rs3863721	rs3895543	rs3907114	rs3907115	rs3913544
rs394150	rs40786	rs409652	rs4140930	rs41543814	rs423385	rs423975	rs438287
rs4547	rs4916	rs5251	rs5254	rs5316	rs534118	rs554971	rs586178
rs590813	rs596569	rs607790	rs615475	rs615514	rs622288	rs623440	rs629976
rs630079	rs634901	rs6437	rs6470	rs6475	rs663227	rs675918	rs676814
rs7076862	rs707950	rs707951	rs712021	rs7368151	rs1056766	rs1065183	rs137064
rs1636987	rs1726208	rs17879282	rs2249027	rs2273946	rs2279343	rs2524543	rs28590104
rs35927622	rs366439	rs379147	rs3797008	rs3817910	rs404983	rs41439950	rs45449795
rs45539233	rs45574931						
Strong SNPs (two mapped loci with heterozygosity >0.4 and validation code >4)							
rs176960	rs179371	rs2829898	rs2829899	rs2829900	rs2829901	rs3169319	rs394757
rs663606	rs874516	rs9571	rs2563389	rs1026260	rs1057952	rs1063631	rs1635245
rs1869788	rs2258218	rs2277412	rs2294363	rs2454726	rs248793	rs2631365	rs2686979
rs2734316	rs2844059	rs2854723	rs361737	rs3795408	rs3863907	rs414206	rs4292394
rs434405	rs443082	rs449443	rs459598	rs463726	rs4680469	rs539689	rs542089
rs601091	rs616634	rs638294	rs6446	rs6471	rs6525	rs758319	rs87393
rs87394	rs9276570	rs929457	rs11669141	rs11987	rs1635235	rs2238549	rs296520
rs3128757	rs3745274	rs428888	rs447536	rs5743618	rs6473	rs6477	rs6722313
rs7071768	rs9648696	rs9890989	rs9897046	rs179379	rs182978	rs1951737	rs2072166
rs2076111	rs2302559	rs178640	rs182169	rs216310	rs1045513	rs1047972	rs1059060
rs10789501	rs11499	rs12894405	rs16838075	rs16919359	rs2071487	rs2530064	rs3131087
rs3751357	rs3777204	rs630931	rs11574576	rs13385882	rs17775319	rs1968090	rs2229375
rs2229622	rs2229626	rs2285396	rs2865243	rs2888782	rs3752015	rs5743816	rs6110019
rs1817206	rs1995914	rs2477664	rs2543167	rs2838602	rs2923234	rs563625	rs1051340
rs2546423	rs2961160	rs10117	rs10194657	rs10272498	rs1046268	rs1053328	rs1064796
rs10769272	rs10860580	rs10896980	rs11357	rs1136001	rs12218	rs1256120	rs12642536
rs163225	rs1801693	rs1805152	rs1979572	rs2039134	rs2039135	rs2074071	rs2074077
rs2080164	rs2233558	rs2297792	rs2359812	rs2368406	rs2424800	rs2487384	rs2505232
rs2642990	rs2666826	rs2804675	rs2867400	rs3174820	rs354055	rs362003	rs3739474
rs3744554	rs3764925	rs382627	rs3829455	rs4357719	rs448740	rs4832169	rs4859146
rs4883198	rs4987411	rs524512	rs525911	rs5753966	rs581949	rs608620	rs655444
rs674402	rs7320366	rs7765781	rs7765803	rs8048322	rs8060234	rs8074728	rs909713
rs9304763	rs9826308	rs10229552	rs10412915	rs10419393	rs10420793	rs1046271	rs1049649
rs1052449	rs1053808	rs10742809	rs10839631	rs11106	rs11121567	rs1135999	rs11670865
rs11785	rs12014937	rs12609635	rs12824366	rs132736	rs1800754	rs1809008	rs1854847
rs1901	rs1919954	rs1966357	rs202680	rs2037204	rs2073150	rs2073154	rs2273986
rs2274907	rs2285477	rs2290380	rs2296158	rs251354	rs2910317	rs3130827	rs3180408
rs3213868	rs3733320	rs3739038	rs3742289	rs3765013	rs3766160	rs3820071	rs3849268
rs4130052	rs4149117	rs4288122	rs4362172	rs4362173	rs4495918	rs4595780	rs4802965
rs4926833	rs532637	rs544840	rs556754	rs5998440	rs6021437	rs6546837	rs6648942
rs6927398	rs7161889	rs7222013	rs7623031	rs775882	rs7921306	rs7956679	rs80587

rs8104890	rs1047740	rs1056782	rs1057908	rs1255411	rs1926736	rs2113879	rs2230542
rs2230657	rs2288516	rs2703807	rs274558	rs2838622	rs3134253	rs355510	rs715748
rs855547	rs1049632	rs1635248	rs1736904	rs1821278	rs1824152	rs1976518	rs2229629
rs2274068	rs2277413	rs2303536	rs2505861	rs2505872	rs2903566	rs3097773	rs33657
Other SNPs							
rs10009483	rs10013145	rs10021014	rs10022054	rs10040872	rs10042922	rs10043	rs10048049
rs10049327	rs10051434	rs10052973	rs10067182	rs10080673	rs10081549	rs1008525	rs10090485
rs10090550	rs10097769	rs10111	rs10113875	rs10114387	rs10117060	rs10117993	rs1011985
rs10120080	rs10121198	rs10123036	rs10124453	rs10124904	rs10126452	rs10131095	rs10134675
rs10138694	rs10138704	rs10145566	rs10148783	rs10148785	rs10152073	rs10153756	rs10171441
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rs10230228	rs10231065	rs10233493	rs10235636	rs10238201	rs10238202	rs10241271	rs10243155
rs10243848	rs10247391	rs10247566	rs10248	rs10249297	rs10251070	rs10255558	rs10255568
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rs7847420	rs7848181	rs7852089	rs7852170	rs7869352	rs7873884	rs7873960	rs7873972
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rs7941796	rs7942390	rs794362	rs794377	rs7947426	rs7947432	rs7949377	rs7952340
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rs9326662	rs9326663	rs9328763	rs9328907	rs9328908	rs9329304	rs9329305	rs9329307
rs9329443	rs9331248	rs9331250	rs934266	rs9348265	rs9349181	rs9355147	rs9358936
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