

Apparus major: 16S rRNA

No.	GenBank accession numbers	POSITION SNP			ALLELE SNP		
		DnaSP	MEGA	ProSeq	DnaSP	MEGA	ProSeq
1	512380304	20	20	20	A/G	A/G	A/G
2	512380315   512380313	41	41	41	A/G	A/G	A/G
3	512380308   512380307   512380295	226	226	226	T/C	T/C	T/C
4	512380313	234	234	234	T/C	T/C	T/C
5	512380314	269	269	269	C/T	C/T	C/T
6	512380304	276	276	276	T/C	T/C	T/C
7	512380315	289	289	289	C/T	C/T	C/T
8	512380299   512380292   512380310   512380300   512380305   512380294   512380291   512380308   512380307   512380295   512380311   512380306   512380301   512380315   512380313   512380314   512380309   512380302   512380293   512380304	318	318	318	A/G	A/G	A/G
9	512380300	373	373	373	A/G	A/G	A/G
10	512380298   512380297   512380299	423	423	423	A/T	A/T	A/T

**POLYMORPHIC SITES**

number of variable sites „S”	10
total number of mutations „ETA”	10
selected region	1-436
total number of sites	436
number of sequences	27

<b>POLYMORPHISM DATA</b>	<b>DnaSP v.5.10.01</b>	<b>MEGA v.5.22</b>	<b>ProSeq v.3.4</b>
G+C content	0.287	0.287	0.287
nucleotide diversity; per site “Pi”	0.00320	0.00320	0.00320
. average number of nucleotide difference “k”	1.39601	1.39601	1.39601
<b>HAPLOTYPE DIVERSITY</b>			
number of haplotype “h”	10	10	10
haplotype diversity “Hd”	0.803	0.803	0.803
variance of haplotype diversity	0.00404	-	-
standard deviation of haplotype diversity	0.064	-	-
<b>NEUTRALITY TESTS</b>			
Tajima’s D	-1.49834	-1.498341	-1.4983
Fu and Li’s D	-1.72589	-	-1.7259
Fu and Li’s F	-1.93413	-	Error
Fu’s Fs	-5.324	-	-

Austrovelia caledonica: 16S rRNA

No.	GenBank accession numbers	POSITION SNP			ALLELE SNP		
		DnaSP	MEGA	ProSeq	DnaSP	MEGA	ProSeq
1	410833490   410833489	1	1	1	G/C	G/C	G/C
2	410833490   410833489	8	8	8	A/G	A/G	A/G
3	410833485   410833490   410833489   410833492	22	22	22	G/A	G/A	G/A
4	410833492   410833491	26	26	26	T/G	T/G	T/G
5	410833488   410833487   410833485	28	28	28	G/T	G/T	G/T
6	410833488   410833487   410833485   410833492   410833491	42	42	42	A/T	A/T	A/T
7	410833492   410833491	44	44	44	T/A	T/A	T/A
8	410833492   410833491	45	45	45	A/G	A/G	A/G
9	410833490   410833489   410833492   410833491	74	74	74	A/T	A/T	A/T
10	410833488   410833487   410833485   410833490   410833489   410833492   410833491	90	90	90	C/T	C/T	C/T
11	410833485   410833492   410833491	105	105	105	G/A	G/A	G/A
12	410833485   410833490   410833489   410833492   410833491	106	106	106	G/A	G/A	G/A
13	410833492   410833491	111	111	111	A/G	A/G	A/G
14	410833488   410833487   410833485   410833490   410833489   410833492   410833491	130	130	130	G/A	G/A	G/A
15	410833490   410833489	133	133	133	A/G	A/G	A/G

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<b>16</b>	410833490   410833489	134	134	134	T/A	T/A	T/A
<b>17</b>	410833488   410833487   410833485   410833490   410833489   410833492   410833491	145	145	145	G/A	G/A	G/A
<b>18</b>	410833488   410833487   410833485   410833490   410833489   410833492   410833491	147	147	147	A/T	A/T	A/T
<b>19</b>	410833490   410833489   410833492   410833491	150	150	150	A/G	A/G	A/G
<b>20</b>	410833488   410833487   410833485	155	155	155	T/A	T/A	T/A
<b>21</b>	410833490   410833489	170	170	170	A/G	A/G	A/G
<b>22</b>	410833490   410833489	174	174	174	A/T	A/T	A/T
<b>23</b>	410833488   410833487   410833485   410833490   410833489   410833492   410833491	179	179	179	T/A	T/A	T/A
<b>24</b>	410833490   410833489	188	188	188	T/A	T/A	T/A
<b>25</b>	410833488   410833487   410833485   410833490   410833489	226	226	226	A/T	A/T	A/T
<b>26</b>	410833485   410833492   410833491	228	228	228	A/G ; A/C	A/G ; A/C	A/G ; A/C
<b>27</b>	410833492   410833491	231	231	231	T/A	T/A	T/A
<b>28</b>	410833490   410833489   410833492   410833491	242	242	242	A/T	A/T	A/T
<b>29</b>	410833488   410833487   410833485	247	247	247	T/A	T/A	T/A
<b>30</b>	410833490   410833489   410833492   410833491	250	250	250	A/T	A/T	A/T
<b>31</b>	410833488   410833487   410833485   410833490   410833489   410833492   410833491	253	253	253	G/T	G/T	G/T
<b>32</b>	410833488   410833487   410833485	254	254	254	A/T	A/T	A/T
<b>33</b>	410833488   410833487   410833485   410833490   410833489   410833492   410833491	258	258	258	A/T	A/T	A/T
<b>34</b>	410833488   410833487   410833485   410833490   410833489   410833492   410833491	259	259	259	G/T	G/T	G/T

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<b>35</b>	410833492   410833491	266	266	266	T/G	T/G	T/G
<b>36</b>	410833490   410833489   410833492   410833491	268	268	268	T/A	T/A	T/A
<b>37</b>	410833488   410833487   410833485	270	270	270	T/A	T/A	T/A
<b>38</b>	410833488   410833487   410833485	271	271	271	A/G	A/G	A/G
<b>39</b>	410833492   410833491	276	276	276	G/T	G/T	G/T
<b>40</b>	410833488   410833487	277	277	277	G/A	G/A	G/A
<b>41</b>	410833492   410833491	289	289	289	G/A	G/A	G/A
<b>42</b>	410833490   410833489   410833492   410833491	290	290	290	G/T ; G/A	G/T ; G/A	G/T ; G/A
<b>43</b>	410833490   410833489	291	291	291	G/T	G/T	G/T
<b>44</b>	410833488   410833487   410833490   410833489   410833492   410833491   410833482	292	292	292	A/G	A/G	A/G
<b>45</b>	410833492   410833491	299	299	299	T/A	T/A	T/A
<b>46</b>	410833488   410833487   410833485   410833492   410833491	300	300	300	A/T	A/T	A/T
<b>47</b>	410833488   410833487   410833485   410833490   410833489   410833492   410833491	308	308	308	C/T	C/T	C/T
<b>48</b>	410833490   410833489	310	310	310	T/C	T/C	T/C
<b>49</b>	410833492   410833491	313	313	313	T/G	T/G	T/G
<b>50</b>	410833488   410833487   410833485   410833492   410833491	314	314	314	T/A	T/A	T/A
<b>51</b>	410833488   410833487   410833485   410833492   410833491	347	347	347	A/T	A/T	A/T
<b>52</b>	410833488   410833487   410833485   410833490   410833489   410833492   410833491   410833482	355	355	355	G/T ; G/A	G/T ; G/A	G/T ; G/A

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<b>53</b>	410833492   410833491	360	360	360	A/T	A/T	A/T
<b>54</b>	410833490   410833489   410833492   410833491	393	393	393	A/T	A/T	A/T

**POLYMORPHIC SITES**

number of variable sites „S”	54
total number of mutations „ETA”	57
selected region	1-426
total number of sites	426
number of sequences	10

<b>POLYMORPHISM DATA</b>	<b>DnaSP v.5.10.01</b>	<b>MEGA v.5.22</b>	<b>ProSeq v.3.4</b>
G+C content	0.213	0.213	0.213
nucleotide diversity; per site “Pi”	0.05702	0.057016	0.05764
average number of nucleotide difference “k”	24.28889	24.28885	24.55556
<b>HAPLOTYPE DIVERSITY</b>			
number of haplotype “h”	7	7	7
haplotype diversity “Hd”	0.933	0.933	0.933
variance of haplotype diversity	0.00384	-	-
standard deviation of haplotype diversity	0.062	-	-
<b>NEUTRALITY TESTS</b>			
Tajima’s D	1.00761	1.334243	1.00761
Fu and Li’s D	1.56228	-	1.56228
Fu and Li’s F	1.60806	-	Error
Fu’s Fs	3.133	-	-

No.	GenBank accession numbers	POSITION SNP			ALLELE SNP		
		DnaSP	MEGA	ProSeq	DnaSP	MEGA	ProSeq
1	313747265	90	90	90	T/C	T/C	T/C
2	313747273   313747272	175	175	175	C/A	C/A	C/A
3	313747272   313747271	246	246	246	G/A	G/A	G/A
4	313747262	251	251	251	A/T	A/T	A/T
5	313747258	267	267	267	T/C	T/C	T/C
6	313747258   313747260   313747261   313747262   313747265   313747266   313747256   313747263   313747270   313747267   313747268   313747264   313747257   313747269   313747273   313747272   313747271	269	269	269	T/C	T/C	T/C
7	313747273   313747272   313747271	281	281	281	A/C	A/C	A/C
8	313747266	357	357	357	T/C	T/C	T/C
9	313747264   313747257   313747269   313747273   313747272   313747271	398	398	398	G/A	G/A	G/A
10	313747260	402	402	402	C/T	C/T	C/T
11	313747273	412	412	412	G/A	G/A	G/A
12	313747261	461	461	461	T/C	T/C	T/C
13	313747270   313747267   313747264   313747269   313747273   313747272   313747271	483	483	483	C/T	C/T	C/T
14	313747270	485	485	485	G/A	G/A	G/A



**POLYMORPHIC SITES**

number of variable sites „S”	14
total number of mutations „ETA”	14
selected region	1-509
total number of sites	508
number of sequences	18

<b>POLYMORPHISM DATA</b>	<b>DnaSP v.5.10.01</b>	<b>MEGA v.5.22</b>	<b>ProSeq v.3.4</b>
G+C content	0.309	0.309	0.309
nucleotide diversity; per site “Pi”	0.00529	0.005288	0.00528
average number of nucleotide difference “k”	2.68627	2.68627	2.68627
<b>HAPLOTYPE DIVERSITY</b>			
number of haplotype “h”	15	15	15
haplotype diversity “Hd”	0.980	0.980	0.980
variance of haplotype diversity	0.00059	-	-
standard deviation of haplotype diversity	0.024	-	-
<b>NEUTRALITY TESTS</b>			
<b>Tajima’s D</b>	-1.27946	-1.279464	-1.2795
<b>Fu and Li’s D</b>	-1.62952	-	-1.62950
<b>Fu and Li’s F</b>	-1.76942	-	Error
<b>Fu’s Fs</b>	-13.025	-	-

Triatoma pallidipennis: 16S rRNA

No.	GenBank accession numbers	POSITION SNP			ALLELE SNP		
		DnaSP	MEGA	ProSeq	DnaSP	MEGA	ProSeq
1	24496186   24496187   24496191   24496189   24496190   24496192   24496193   24496195   24496198	1	1	1	G/T ; G/A	G/T ; G/A	G/T ; G/A
2	24496186   24496187   24496191   24496189   24496190   24496192   24496193   24496195   24496194   24496197   24496198   24496188   24496196   24496185   24496184   24496201   24496200	5	5	5	T/C	T/C	T/C
3	24496186   24496187   24496191   24496189   24496190   24496192   24496193   24496195   24496194   24496197   24496198   24496188   24496196   24496185   24496184   24496201   24496200	13	13	13	T/C	T/C	T/C
4	24496186	16	16	16	A/G	A/G	A/G
5	24496186   24496187   24496191   24496189   24496190   24496192   24496193   24496195   24496194   24496197   24496198   24496188   24496196	110	110	110	A/C ; A/T	A/C ; A/T	A/C ; A/T
6	24496185   24496184   24496201   24496200	155	155	155	T/A	T/A	T/A
7	24496186   24496187   24496191   24496189   24496190   24496192   24496195   24496193   24496194   24496197   24496198   24496188   24496196   24496185   24496184   24496201   24496200	207	207	207	T/C	T/C	T/C
8	24496201   24496200   24496184	208	208	208	T/C	T/C	T/C
9	24496186   24496187   24496191   24496189   24496190   24496192   24496193   24496195   24496194   24496197   24496198   24496188   24496196	230	230	230	T/C	T/C	T/C
10	24496186   24496187   24496191   24496189   24496190   24496192   24496195   24496193   24496194   24496197   24496198   24496188   24496196   24496185   24496184   24496201   24496200	284	284	284	G/A	G/A	G/A
11	24496192   24496193   24496195   24496194	325	325	325	T/C	T/C	T/C
12	24496185   24496184   24496201   24496200	340	340	340	T/C	T/C	T/C

Triatoma pallidipennis: 16S rRNA

<b>13</b>	24496185   24496184   24496201   24496200	341	341	341	C/T	C/T	C/T
<b>14</b>	24496186   24496187   24496191   24496189   24496190   24496192   24496195   24496193   24496194   24496197   24496198   24496188   24496196   24496185   24496184   24496201   24496200	366	366	366	A/C	A/C	A/C
<b>15</b>	24496186   24496187   24496191   24496189   24496190   24496192   24496193   24496195   24496194   24496197   24496198   24496188   24496196	547	547	547	T/C	T/C	T/C
<b>16</b>	24496186   24496187   24496191   24496189   24496190   24496192   24496195   24496193   24496194   24496197   24496198   24496188   24496196   496185   24496184   24496201   24496200	681	681	681	T/C	T/C	T/C
<b>17</b>	24496186   24496187   24496191   24496189   24496190   24496192   24496195   24496193   24496194   24496197   24496198   24496188   24496196   24496185   24496184   24496201   24496200	687	687	687	T/C	T/C	T/C
<b>18</b>	24496192   24496193	699	699	699	A/G	A/G	A/G

Triatoma pallidipennis: 16S rRNA

POLYMORPHIC SITES

number of variable sites „S”	18
total number of mutations „ETA”	20
selected region	1-704
total number of sites	704
number of sequences	19

POLYMORPHISM DATA	DnaSP v.5.10.01	MEGA v.5.22	ProSeq v.3.4
G+C content	0.266	0.266	0.266
nucleotide diversity; per site “Pi”	0.00799	0.007991	0.007998
average number of nucleotide difference “k”	5.62573	5.62573	5.94152
<b>HAPLOTYPE DIVERSITY</b>			
number of haplotype “h”	13	13	13
haplotype diversity “Hd”	0.959	0.959	0.959
variance of haplotype diversity	0.00077	-	-
standard deviation of haplotype diversity	0.028	-	-
<b>NEUTRALITY TESTS</b>			
<b>Tajima’s D</b>	0.35190	0.351900	0.5855
<b>Fu and Li’s D</b>	1.31630	-	1.3163
<b>Fu and Li’s F</b>	1.06141	-	Error
<b>Fu’s Fs</b>	-3.570	-	-

Agriosphodrus dohrni: COI

No.	GenBank accession numbers	POSITION SNP			ALLELE SNP		
		DnaSP	MEGA	ProSeq	DnaSP	MEGA	ProSeq
1	374722355	1	1	1	C/T	C/T	C/T
2	374722357   374722337	2	2	2	T/C	T/C	T/C
3	374722363	4	4	4	A/G	A/G	A/G
4	374722359   374722361   374722363	7	7	7	A/G	A/G	A/G
5	374722359   374722361	13	13	13	G/A	G/A	G/A
6	374722355	15	15	15	C/T	C/T	C/T
7	374722359   374722361	16	16	16	T/C	T/C	T/C
8	374722339	18	18	18	C/T	C/T	C/T
9	374722357   374722337   374722359   374722361	25	25	25	A/G	A/G	A/G
10	374722343	26	26	26	G/C	G/C	G/C
11	374722355   374722357   374722341   374722349   374722337   374722359   374722361	31	31	31	T/C	T/C	T/C
12	374722363	40	40	40	A/G	A/G	A/G
13	374722321   374722323   374722325   374722327   374722329   374722331   374722333   374722335   374722341   374722349   374722345   374722347	49	49	49	A/G	A/G	A/G
14	374722355   374722357   374722337	55	55	55	C/T	C/T	C/T
15	374722355   374722357   374722343   374722337	58	58	58	G/A	G/A	G/A

Agriosphodrus dohrni: COI

<b>16</b>	374722353   374722359   374722363	61	61	61	A/G; A/T	A/G; A/T	A/G; A/T
<b>17</b>	374722355   374722357   374722321   374722323   374722325   374722327   374722329   374722331   374722333   374722335   374722341   374722349   374722345   374722347   374722339   374722343   374722215   374722217   374722313   374722315   374722311   374722309   374722307   374722305   374722303   374722301   374722299   374722295   374722297   374722293   374722291   374722287   374722289   374722285   374722283   374722281   374722279   374722277   374722275   374722273   374722269   374722271   374722267   374722265   374722263   374722261   374722259   374722257   374722255   374722253   374722251   374722249   374722247   374722245   374722243   374722241   374722239   374722237   374722235   374722233   374722231   374722229   374722227   374722225   374722223   374722221   374722219   374722317   374722319   374722337   374722363	62	62	62	C/T	C/T	C/T
<b>18</b>	374722341   374722359   374722361	64	64	64	A/C;A/G	A/C;A/G	A/C;A/G
<b>19</b>	374722321   374722323   374722325   374722327   374722329   374722331   374722333   374722335   374722349   374722345   374722347   374722339   374722343   374722215   374722217   374722313   374722315   374722311   374722309   374722307   374722305   374722303   374722301   374722299   374722295   374722297   374722293   374722291   374722287   374722289   374722285   374722283   374722281   374722279   374722277   374722275   374722273   374722269   374722271   374722267   374722265   374722263   374722261   374722259   374722257   374722255   374722253   374722251   374722249   374722247   374722245   374722243   374722241   374722239   374722237   374722235   374722233   374722231   374722229   374722227   374722225   374722223   374722221   374722219   374722317   374722319	67	67	67	C/T	C/T	C/T
<b>20</b>	374722355	70	70	70	T/C	T/C	T/C
<b>21</b>	374722341   374722359	74	74	74	T/A;T/C	T/A;T/C	T/A;T/C
<b>22</b>	374722341	75	75	75	T/A	T/A	T/A
	374722321   374722323   374722325   374722327   374722329   374722331   374722333   374722335   374722349   374722345   374722347   374722339   374722343						

Agriosphodrus dohrni: COI

<b>23</b>	374722215   374722217   374722313   374722315   374722311   374722309   374722307   374722305   374722303   374722301   374722299   374722295   374722297   374722293   374722291   374722287   374722289   374722285   374722283   374722281   374722279   374722277   374722275   374722273   374722269   374722271   374722267   374722265   374722263   374722261   374722259   374722257   374722255   374722253   374722251   374722249   374722247   374722245   374722243   374722241   374722239   374722237   374722235   374722233   374722231   374722229   374722227   374722225   374722223   374722221   374722219   374722317   374722319	76	76	76	A/G	A/G	A/G
<b>24</b>	374722355   374722357   374722337	79	79	79	T/C	T/C	T/C
<b>25</b>	374722355	86	86	86	T/C	T/C	T/C
<b>26</b>	374722355   374722359	97	97	97	T/A;T/C	T/A;T/C	T/A;T/C
<b>27</b>	374722361	100	100	100	T/C	T/C	T/C
<b>28</b>	374722357   374722337   374722361	112	112	112	T/C	T/C	T/C
<b>29</b>	374722357   374722321   374722323   374722325   374722327   374722329   374722331   374722333   374722335   374722341   374722349   374722345   374722347   374722339   374722343   374722215   374722217   374722313   374722315   374722311   374722309   374722307   374722305   374722303   374722301   374722299   374722295   374722297   374722293   374722291   374722287   374722289   374722285   374722283   374722281   374722279   374722277   374722275   374722273   374722269   374722271   374722267   374722265   374722263   374722261   374722259   374722257   374722255   374722253   374722251   374722249   374722247   374722245   374722243   374722241   374722239   374722237   374722235   374722233   374722231   374722229   374722227   374722225   374722223   374722221   374722219   374722317   374722319   374722337   374722359   374722361   374722363	115	115	115	T/C	T/C	T/C
<b>30</b>	374722355   374722357   374722321   374722323   374722325   374722327   374722329   374722331   374722333   374722335   374722341   374722349   374722345   374722347   374722347   374722339   374722343   374722215   374722217   374722313   374722315   374722311   374722309   374722307   374722305   374722303   374722301   374722299   374722295   374722297   374722293   374722291   374722287   374722289   374722285	124	124	124	G/A	G/A	G/A

Agriosphodrus dohrni: COI

	374722285   374722283   374722281   374722279   374722277   374722275   374722273   374722269   374722271   374722267   374722265   374722263   374722261   374722259   374722257   374722255   374722253   374722251   374722249   374722247   374722245   374722243   374722241   374722239   374722237   374722235   374722233   374722231   374722229   374722227   374722225   374722223   374722221   374722219   374722317   374722319   374722337   374722359   374722361							
<b>31</b>	374722355   374722357   374722321   374722323   374722325   374722327   374722329   374722331   374722333   374722335   374722341   374722349   374722345   374722347   374722339   374722343   374722215   374722217   374722313   374722315   374722311   374722309   374722307   374722305   374722303   374722301   374722299   374722295   374722297   374722293   374722291   374722287   374722289   374722285   374722283   374722281   374722279   374722277   374722275   374722273   374722269   374722271   374722267   374722265   374722263   374722261   374722259   374722257   374722255   374722253   374722251   374722249   374722247   374722245   374722243   374722241   374722239   374722237   374722235   374722233   374722231   374722229   374722227   374722225   374722223   374722221   374722219   374722317   374722319   374722337   374722359   374722361   374722363	127	127	127	G/A	G/A	G/A	
<b>32</b>	374722355   374722357   374722337   374722359   374722361   374722363	133	133	133	G/T	G/T	G/T	
<b>33</b>	374722357   374722337   374722359   374722361   374722363	136	136	136	T/C	T/C	T/C	
<b>34</b>	374722355	139	139	139	T/C	T/C	T/C	
<b>35</b>	374722355   374722357   374722321   374722323   374722325   374722327   374722329   374722331   374722333   374722335   374722341   374722349   374722345   374722347   374722339   374722343   374722215   374722217   374722313   374722315   374722311   374722309   374722307   374722305   374722303   374722301   374722299   374722295   374722297   374722293   374722291   374722287   374722289   374722285   374722283   374722281   374722279   374722277   374722275   374722273   374722269   374722271   374722267   374722265   374722263   374722261   374722259   374722257   374722255   374722253   374722251   374722249   374722247   374722245   374722243   374722241   374722239   374722237   374722235   374722233   374722231   374722229   374722227   374722225   374722223   374722221   374722219   374722317   374722319   374722337   374722359   374722361	143	143	143	C/T	C/T	C/T	



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374722363									
<b>36</b>	374722357   374722337			154	154	154	T/C	T/C	T/C
<b>37</b>	374722355   374722357   374722337			160	160	160	C/T	C/T	C/T
<b>38</b>	374722355			172	172	172	T/C	T/C	T/C
<b>39</b>	374722355   374722363			175	175	175	A/T;A/G	A/T;A/G	A/T;A/G
<b>40</b>	374722353   374722355   374722357   374722337   374722359   374722361   374722363			181	181	181	C/T	C/T	C/T
<b>41</b>	374722319   374722359   374722361			182	182	182	T/C	T/C	T/C
<b>42</b>	374722353   374722321   374722323   374722325   374722327   374722329   374722331   374722333   374722335   374722341   374722349   374722345   374722347   374722339   374722343   374722215   374722217   374722313   374722315   374722311   374722309   374722307   374722305   374722303   374722301   374722299   374722295   374722297   374722293   374722291   374722287   374722289   374722285   374722283   374722281   374722279   374722277   374722275   374722273   374722269   374722271   374722267   374722265   374722263   374722261   374722259   374722257   374722255   374722253   374722251   374722249   374722247   374722245   374722243   374722241   374722239   374722237   374722235   374722233   374722231   374722229   374722227   374722225   374722223   374722221   374722219   374722317   374722319   374722359			193	193	193	T/C	T/C	T/C
<b>43</b>	374722355   374722361			196	196	196	A/C;A/T	A/C;A/T	A/C;A/T
<b>44</b>	374722355			202	202	202	T/C	T/C	T/C
<b>45</b>	374722363			205	205	205	A/G	A/G	A/G
<b>46</b>	374722321   374722323   374722325   374722327   374722329   374722331   374722333   374722335   374722341   374722349   374722345   374722347   374722339   374722343   374722215   374722217   374722313   374722315   374722311   374722309   374722307   374722305   374722303   374722301   374722299   374722295   374722297   374722293   374722291   374722287   374722289   374722285   374722283			214	214	214	A/G	A/G	A/G

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	374722281   374722279   374722277   374722275   374722273   374722269   374722271   374722267   374722265   374722263   374722261   374722259   374722257   374722255   374722253   374722251   374722249   374722247   374722245   374722243   374722241   374722239   374722237   374722235   374722233   374722231   374722229   374722227   374722225   374722223   374722221   374722219   374722317   374722319							
<b>47</b>	374722355   374722357   374722337	235	235	235	T/A;T/C	T/A;T/C	T/A;T/C	
<b>48</b>	374722357   374722337	241	241	241	T/C	T/C	T/C	
<b>49</b>	374722357   374722337	259	259	259	T/C	T/C	T/C	
<b>50</b>	374722355   374722357   374722321   374722323   374722325   374722327   374722329   374722331   374722333   374722335   374722341   374722349   374722345   374722347   374722339   374722343   374722215   374722217   374722313   374722315   374722311   374722309   374722307   374722305   374722303   374722301   374722299   374722295   374722297   374722293   374722291   374722287   374722289   374722285   374722283   374722281   374722279   374722277   374722275   374722273   374722269   374722271   374722267   374722265   374722263   374722261   374722259   374722257   374722255   374722253   374722251   374722249   374722247   374722245   374722243   374722241   374722239   374722237   374722235   374722233   374722231   374722229   374722227   374722225   374722223   374722221   374722219   374722317   374722319   374722337   374722359   374722361   374722363	265	265	265	G/A;G/T	G/A;G/T	G/A;G/T	
<b>51</b>	374722355	267	267	267	C/G	C/G	C/G	
<b>52</b>	374722359   374722361	270	270	270	C/T	C/T	C/T	
<b>53</b>	374722359   374722361	271	271	271	A/G	A/G	A/G	
<b>54</b>	374722355	272	272	272	G/A	G/A	G/A	
<b>55</b>	374722359   374722361	274	274	274	T/C	T/C	T/C	
<b>56</b>	374722355	280	280	280	C/T	C/T	C/T	

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<b>57</b>	374722363	292	292	292	T/C	T/C	T/C
<b>58</b>	374722215   374722217   374722213   374722315   374722311   374722309   374722307   374722305   374722303   374722301   374722299   374722295   374722297   374722293   374722291   374722287   374722289   374722285   374722283   374722281   374722279   374722277   374722275   374722273   374722269   374722271   374722267   374722265   374722263   374722261   374722259   374722257   374722255   374722253   374722251   374722249   374722247   374722245   374722243   374722241   374722239   374722237   374722235   374722233   374722231   374722229   374722227   374722225   374722223   374722221   374722219   374722317   374722319	298	298	298	A/G	A/G	A/G
<b>59</b>	374722363	301	301	301	T/C	T/C	T/C
<b>60</b>	374722355   374722357   374722349   374722337   374722359   374722361   374722363	304	304	304	C/T	C/T	C/T
<b>61</b>	374722363	313	313	313	A/G	A/G	A/G
<b>62</b>	374722357   374722337	319	319	319	T/C	T/C	T/C
<b>63</b>	374722361   374722363	325	325	325	A/T	A/T	A/T
<b>64</b>	374722355	329	329	329	C/T	C/T	C/T
<b>65</b>	374722355   374722357   374722337	331	331	331	T/A	T/A	T/A
<b>66</b>	374722355	337	337	337	T/A	T/A	T/A
<b>67</b>	374722357   374722321   374722323   374722325   374722327   374722329   374722331   374722333   374722335   374722341   374722349   374722345   374722347   374722339   374722343   374722215   374722217   374722313   374722315   374722311   374722309   374722307   374722305   374722303   374722301   374722299   374722295   374722297   374722293   374722291   374722287   374722289   374722285   374722283   374722281   374722279   374722277   374722275   374722273   374722269   374722271   374722267   374722265   374722263   374722261   374722259   374722257   374722255   374722253   374722251   374722249   374722247	338	338	338	T/C	T/C	T/C

Agriosphodrus dohrni: COI

	374722245   374722243   374722241   374722239   374722237   374722235   374722233   374722231   374722229   374722227   374722225   374722223   374722221   374722219   374722317   374722319   374722337   374722363							
<b>68</b>	374722353   374722355	344	344	344	C/T	C/T	C/T	
<b>69</b>	374722359   374722361	346	346	346	A/T	A/T	A/T	
<b>70</b>	374722355	352	352	352	T/C	T/C	T/C	
<b>71</b>	374722355   374722357   374722337   374722359   374722361   374722363	353	353	353	C/T	C/T	C/T	
<b>72</b>	374722359	356	356	356	G/A	G/A	G/A	
<b>73</b>	374722359	358	358	358	T/C	T/C	T/C	
<b>74</b>	374722355	361	361	361	T/C	T/C	T/C	
<b>75</b>	374722355   374722357   374722337	394	394	394	T/C	T/C	T/C	
<b>76</b>	374722321   374722323   374722325   374722327   374722329   374722331   374722333   374722335   374722341   374722349   374722345   374722347   374722339   374722343   374722215   374722217   374722313   374722315   374722311   374722309   374722307   374722305   374722303   374722301   374722299   374722295   374722297   374722293   374722291   374722287   374722289   374722285   374722283   374722281   374722279   374722277   374722275   374722273   374722269   374722271   374722267   374722265   374722263   374722261   374722259   374722257   374722255   374722253   374722251   374722249   374722247   374722245   374722243   374722241   374722239   374722237   374722235   374722233   374722231   374722229   374722227   374722225   374722223   374722221   374722219   374722317   374722319	400	400	400	A/C	A/C	A/C	
<b>77</b>	374722357   374722337	403	403	403	C/T	C/T	C/T	
<b>78</b>	374722355   374722357   374722337	412	412	412	C/T	C/T	C/T	
<b>79</b>	374722357	420	420	420	G/C	G/C	G/C	

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<b>80</b>	374722355   374722357   374722337   374722359   374722361   374722363	421	421	421	A/G	A/G	A/G
<b>81</b>	374722355   374722357   374722321   374722323   374722325   374722327   374722329   374722331   374722333   374722335   374722341   374722349   374722345   374722347   374722339   374722343   374722215   374722217   374722313   374722315   374722311   374722309   374722307   374722305   374722303   374722301   374722299   374722295   374722297   374722293   374722291   374722287   374722289   374722285   374722283   374722281   374722279   374722277   374722275   374722273   374722269   374722271   374722267   374722265   374722263   374722261   374722259   374722257   374722255   374722253   374722251   374722249   374722247   374722245   374722243   374722241   374722239   374722237   374722235   374722233   374722231   374722229   374722227   374722225   374722223   374722221   374722219   374722317   374722319   374722337   374722359   374722361   374722363	424	424	424	G/A	G/A	G/A
<b>82</b>	374722355   374722357   374722343   374722337   374722359   374722361   374722363	427	427	427	A/T;A/G	A/T;A/G	A/T;A/G
<b>83</b>	374722355   374722357   374722321   374722323   374722325   374722327   374722329   374722331   374722333   374722335   374722341   374722349   374722345   374722347   374722339   374722343   374722215   374722217   374722313   374722315   374722311   374722309   374722307   374722305   374722303   374722301   374722299   374722295   374722297   374722293   374722291   374722287   374722289   374722285   374722283   374722281   374722279   374722277   374722275   374722273   374722269   374722271   374722267   374722265   374722263   374722261   374722259   374722257   374722255   374722253   374722251   374722249   374722247   374722245   374722243   374722241   374722239   374722237   374722235   374722233   374722231   374722229   374722227   374722225   374722223   374722221   374722219   374722317   374722319   374722337   374722359   374722363	430	430	430	C/T	C/T	C/T
<b>84</b>	374722355	434	434	434	A/G	A/G	A/G
<b>85</b>	374722355   374722357   374722337   374722363	436	436	436	C/T	C/T	C/T
<b>86</b>	374722355   374722357   374722321   374722323   374722325   374722327   374722329   374722331   374722333   374722335   374722341   374722349   374722345   374722347   374722339   374722343   374722215   374722217   374722313   374722315	437	437	437	C/T	C/T	C/T

Agriosphodrus dohrni: COI

	374722311   374722309   374722307   374722305   374722303   374722301   374722299   374722295   374722297   374722293   374722291   374722287   374722289   374722285   374722283   374722281   374722279   374722277   374722275   374722273   374722269   374722271   374722267   374722265   374722263   374722261   374722259   374722257   374722255   374722253   374722251   374722249   374722247   374722245   374722243   374722241   374722239   374722237   374722235   374722233   374722231   374722229   374722227   374722225   374722223   374722221   374722219   374722317   374722319   374722337							
<b>87</b>	374722355   374722357   374722321   374722323   374722325   374722327   374722329   374722331   374722333   374722335   374722341   374722349   374722345   374722347   374722339   374722343   374722215   374722217   374722313   374722315   374722311   374722309   374722307   374722305   374722303   374722301   374722299   374722295   374722297   374722293   374722291   374722287   374722289   374722285   374722283   374722281   374722279   374722277   374722275   374722273   374722269   374722271   374722267   374722265   374722263   374722261   374722259   374722257   374722255   374722253   374722251   374722249   374722247   374722245   374722243   374722241   374722239   374722237   374722235   374722233   374722231   374722229   374722227   374722225   374722223   374722221   374722219   374722317   374722319   374722337   374722359   374722361   374722363	442	442	442	C/T	C/T	C/T	
<b>88</b>	374722337   374722359   374722361	445	445	445	A/G	A/G	A/G	
<b>89</b>	374722357   374722337	449	449	449	T/C	T/C	T/C	
<b>90</b>	374722355	461	461	461	T/C	T/C	T/C	
<b>91</b>	374722355   374722357   374722337   374722359   374722361   374722363	466	466	466	G/A	G/A	G/A	
<b>92</b>	374722355   374722357   374722337   374722359	469	469	469	C/T	C/T	C/T	
<b>93</b>	374722321   374722323   374722325   374722327   374722329   374722331   374722333   374722335   374722341   374722349   374722345   374722347   374722339   374722343   374722215   374722217   374722313   374722315   374722311   374722309   374722307   374722305   374722303   374722301   374722299   374722295   374722297   374722293   374722291   374722287   374722289   374722285   374722283	472	472	472	T/C	T/C	T/C	

Agriosphodrus dohrni: COI

| 374722281 | 374722279 | 374722277 | 374722275 | 374722273 | 374722269 |  
 374722271 | 374722267 | 374722265 | 374722263 | 374722261 | 374722259 | 374722257  
 | 374722255 | 374722253 | 374722251 | 374722249 | 374722247 | 374722245 |  
 374722243 | 374722241 | 374722239 | 374722237 | 374722235 | 374722233 | 374722231  
 | 374722229 | 374722227 | 374722225 | 374722223 | 374722221 | 374722219 |  
 374722317 | 374722319 | 374722337

<b>94</b>	374722321   374722323   374722325   374722327   374722329   374722331   374722333   374722335   374722341   374722349   374722345   374722347   374722339   374722343   374722215   374722217   374722313   374722315   374722311   374722309   374722307   374722305   374722303   374722301   374722299   374722295   374722297   374722293   374722291   374722287   374722289   374722285   374722283   374722281   374722279   374722277   374722275   374722273   374722269   374722271   374722267   374722265   374722263   374722261   374722259   374722257   374722255   374722253   374722251   374722249   374722247   374722245   374722243   374722241   374722239   374722237   374722235   374722233   374722231   374722229   374722227   374722225   374722223   374722221   374722219   374722317   374722319   374722337   374722359   374722361   374722363	473	473	473	T/C	T/C	T/C
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374722351 | 374722353 | 374722355 | 374722357 | 374722321 | 374722323 | 374722325  
 | 374722327 | 374722329 | 374722331 | 374722333 | 374722335 | 374722341 |  
 374722349 | 374722345 | 374722347 | 374722339 | 374722343 | 374722215 | 374722217  
 | 374722313 | 374722315 | 374722311 | 374722309 | 374722307 | 374722305 |  
 374722303 | 374722301 | 374722299 | 374722295 | 374722297 | 374722293 | 374722291  
 | 374722287 | 374722289 | 374722285 | 374722283 | 374722281 | 374722279 |  
 374722277 | 374722275 | 374722273 | 374722269 | 374722271 | 374722267 | 374722265  
 | 374722263 | 374722261 | 374722259 | 374722257 | 374722255 | 374722253 |  
 374722251 | 374722249 | 374722247 | 374722245 | 374722243 | 374722241 | 374722239  
 | 374722237 | 374722235 | 374722233 | 374722231 | 374722229 | 374722227 |  
 374722225 | 374722223 | 374722221 | 374722219 | 374722317 | 374722319 | 374722337  
 | 374722359 | 374722361 | 374722363

<b>96</b>	374722321   374722323   374722325   374722327   374722329   374722331   374722333   374722335   374722341   374722349   374722345   374722347   374722339   374722343   374722215   374722217   374722313   374722315   374722311   374722309   374722307   374722305   374722303   374722301   374722299   374722295   374722297   374722293   374722291   374722287   374722289   374722285   374722283	481	481	481	C/T	C/T	C/T
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Agriosphodrus dohrni: COI

	374722281   374722279   374722277   374722275   374722273   374722269   374722271   374722267   374722265   374722263   374722261   374722259   374722257   374722255   374722253   374722251   374722249   374722247   374722245   374722243   374722241   374722239   374722237   374722235   374722233   374722231   374722229   374722227   374722225   374722223   374722221   374722219   374722317   374722319   374722337							
<b>97</b>	374722359   374722363	493	493	493	A/G	A/G	A/G	
<b>98</b>	374722359   374722361	520	520	520	T/C	T/C	T/C	
<b>99</b>	374722321   374722323   374722325   374722327   374722329   374722331   374722333   374722335   374722341   374722349   374722345   374722347   374722339   374722343   374722215   374722217   374722313   374722315   374722311   374722309   374722307   374722305   374722303   374722301   374722299   374722295   374722297   374722293   374722291   374722287   374722289   374722285   374722283   374722281   374722279   374722277   374722275   374722273   374722269   374722271   374722267   374722265   374722263   374722261   374722259   374722257   374722255   374722253   374722251   374722249   374722247   374722245   374722243   374722241   374722239   374722237   374722235   374722233   374722231   374722229   374722227   374722225   374722223   374722221   374722219   374722317   374722319   374722337   374722363   374722355	523	523	523	G/A	G/A	G/A	
<b>100</b>	374722361	526	526	526	A/G	A/G	A/G	
<b>101</b>	374722363	538	538	538	T/C	T/C	T/C	
<b>102</b>	374722351   374722353   374722355   374722357   374722321   374722323   374722325   374722327   374722329   374722331   374722333   374722335   374722341   374722349   374722345   374722347   374722339   374722343   374722215   374722217   374722313   374722315   374722311   374722309   374722307   374722305   374722303   374722301   374722299   374722295   374722297   374722293   374722291   374722287   374722289   374722285   374722283   374722281   374722279   374722277   374722275   374722273   374722269   374722271   374722267   374722265   374722263   374722261   374722259   374722257   374722255   374722253   374722251   374722249   374722247   374722245   374722243   374722241   374722239   374722237   374722235   374722233   374722231   374722229   374722227   374722225   374722223   374722221   374722227	544	544	544	C/A;C/T	C/A;C/T	C/A;C/T	



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	374722225   374722223   374722221   374722219   374722317   374722319   374722337   374722359   374722361   374722363							
<b>103</b>	374722355	551	551	551	A/T	A/T	A/T	
<b>104</b>	374722355	552	552	552	C/T	C/T	C/T	
<b>105</b>	374722355	554	554	554	A/G	A/G	A/G	
<b>106</b>	374722355	557	557	557	G/T	G/T	G/T	
<b>107</b>	374722321   374722323   374722325   374722327   374722329   374722331   374722333   374722335   374722341   374722349   374722345   374722347   374722339   374722343   374722215   374722217   374722313   374722315   374722311   374722309   374722307   374722305   374722303   374722301   374722299   374722295   374722297   374722293   374722291   374722287   374722289   374722285   374722283   374722281   374722279   374722277   374722275   374722273   374722269   374722271   374722267   374722265   374722263   374722261   374722259   374722257   374722255   374722253   374722251   374722249   374722247   374722245   374722243   374722241   374722239   374722237   374722235   374722233   374722231   374722229   374722227   374722225   374722223   374722221   374722219   374722317   374722319   374722337   374722361	559	559	559	C/T	C/T	C/T	
<b>108</b>	374722357	562	562	562	C/T	C/T	C/T	
<b>109</b>	374722321   374722323   374722325   374722327   374722329   374722331   374722333   374722335   374722343   374722215   374722217   374722313   374722315   374722311   374722309   374722307   374722305   374722303   374722301   374722299   374722295   374722297   374722293   374722291   374722287   374722289   374722285   374722283   374722281   374722279   374722277   374722275   374722273   374722269   374722271   374722267   374722265   374722263   374722261   374722259   374722257   374722255   374722253   374722251   374722249   374722247   374722245   374722243   374722241   374722239   374722237   374722235   374722233   374722231   374722229   374722227   374722225   374722223   374722221   374722219   374722317   374722319   374722337	568	568	568	A/G	A/G	A/G	
<b>110</b>	374722355	569	569	569	T/A	T/A	T/A	

Agriosphodrus dohrni: COI

<b>111</b>	374722321   374722323   374722325   374722327   374722329   374722331   374722333   374722335   374722341   374722349   374722345   374722347   374722339   374722343   374722215   374722217   374722313   374722315   374722311   374722309   374722307   374722305   374722303   374722301   374722299   374722295   374722297   374722293   374722291   374722287   374722289   374722285   374722283   374722281   374722279   374722277   374722275   374722273   374722269   374722271   374722267   374722265   374722263   374722261   374722259   374722257   374722255   374722253   374722251   374722249   374722247   374722245   374722243   374722241   374722239   374722237   374722235   374722233   374722231   374722229   374722227   374722225   374722223   374722221   374722219   374722317   374722319   374722337   374722359   374722361	577	577	577	C/T	C/T	C/T
<b>112</b>	374722359   374722361	583	583	583	T/C	T/C	T/C
<b>113</b>	374722321   374722323   374722325   374722327   374722329   374722331   374722333   374722335   374722341   374722349   374722345   374722347   374722339   374722343   374722215   374722217   374722313   374722315   374722311   374722309   374722307   374722305   374722303   374722301   374722299   374722295   374722297   374722293   374722291   374722287   374722289   374722285   374722283   374722281   374722279   374722277   374722275   374722273   374722269   374722271   374722267   374722265   374722263   374722261   374722259   374722257   374722255   374722253   374722251   374722249   374722247   374722245   374722243   374722241   374722239   374722237   374722235   374722233   374722231   374722229   374722227   374722225   374722223   374722221   374722219   374722317   374722337   374722359   374722361   374722363	586	586	586	T/C	T/C	T/C
<b>114</b>	374722363	592	592	592	A/G	A/G	A/G
<b>115</b>	374722361   374722363	601	601	601	A/T;A/G	A/T;A/G	A/T;A/G
<b>116</b>	374722321   374722323   374722325   374722327   374722329   374722331   374722333   374722335   374722341   374722349   374722345   374722347   374722339   374722343   374722215   374722217   374722313   374722315   374722311   374722309   374722307   374722305   374722303   374722301   374722299   374722295   374722297   374722293   374722291   374722287   374722289   374722285   374722283   374722281   374722279   374722277   374722275   374722273   374722269   374722271   374722267   374722265   374722263   374722261   374722259   374722257   374722255   374722253   374722251   374722249   374722247   374722245   374722243   374722241   374722239   374722237   374722235   374722233   374722231   374722229   374722227   374722225   374722223   374722221   374722219   374722317   374722337   374722359   374722361   374722363	619	619	619	C/T	C/T	C/T

Agriosphodrus dohrni: COI

	374722271   374722267   374722265   374722263   374722261   374722259   374722257   374722255   374722253   374722251   374722249   374722247   374722245   374722243   374722241   374722239   374722237   374722235   374722233   374722231   374722229   374722227   374722225   374722223   374722221   374722219   374722317   374722319   374722337   374722363							
<b>117</b>	374722343	622	622	622	A/G	A/G	A/G	
<b>118</b>	374722359   374722363	631	631	631	T/C	T/C	T/C	
<b>119</b>	374722359   374722361   374722363	637	637	637	C/T	C/T	C/T	
<b>120</b>	374722359   374722361	643	643	643	T/C	T/C	T/C	
<b>121</b>	374722343	646	646	646	A/G	A/G	A/G	
<b>122</b>	374722353   374722355   374722357   374722359   374722361   374722363	649	649	649	C/T	C/T	C/T	
<b>123</b>	374722363	658	658	658	T/C	T/C	T/C	
<b>124</b>	374722359   374722361   374722363	667	667	667	G/A	G/A	G/A	
<b>125</b>	374722363	685	685	685	A/G	A/G	A/G	
<b>126</b>	374722321   374722323   374722325   374722327   374722329   374722331   374722333   374722335   374722341   374722349   374722345   374722347   374722339   374722343   374722215   374722217   374722313   374722315   374722311   374722309   374722307   374722305   374722303   374722301   374722299   374722295   374722297   374722293   374722291   374722287   374722289   374722285   374722283   374722281   374722279   374722277   374722275   374722273   374722269   374722271   374722267   374722265   374722263   374722261   374722259   374722257   374722255   374722253   374722251   374722249   374722247   374722245   374722243   374722241   374722239   374722237   374722235   374722233   374722231   374722229   374722227   374722225   374722223   374722221   374722219   374722317   374722319   374722337   374722363	686	686	686	C/T	C/T	C/T	
	374722321   374722323   374722325   374722327   374722329   374722331   374722333							

Agriosphodrus dohrni: COI

<b>127</b>	374722335   374722341   374722349   374722345   374722347   374722339   374722343   374722215   374722217   374722313   374722315   374722311   374722309   374722307   374722305   374722303   374722301   374722299   374722295   374722297   374722293   374722291   374722287   374722289   374722285   374722283   374722281   374722279   374722277   374722275   374722273   374722269   374722271   374722267   374722265   374722263   374722261   374722259   374722257   374722255   374722253   374722251   374722249   374722247   374722245   374722243   374722241   374722239   374722237   374722235   374722233   374722231   374722229   374722227   374722225   374722223   374722221   374722219   374722317   374722319   374722337   374722363	691	691	691	C/T	C/T	C/T
<b>128</b>	374722359   374722361	697	697	697	T/C	T/C	T/C
<b>129</b>	374722321   374722323   374722325   374722327   374722329   374722331   374722333   374722335   374722341   374722349   374722345   374722347   374722339   374722343   374722215   374722217   374722313   374722315   374722311   374722309   374722307   374722305   374722303   374722301   374722299   374722295   374722297   374722293   374722291   374722287   374722289   374722285   374722283   374722281   374722279   374722277   374722275   374722273   374722269   374722271   374722267   374722265   374722263   374722261   374722259   374722257   374722255   374722253   374722251   374722249   374722247   374722245   374722243   374722241   374722239   374722237   374722235   374722233   374722231   374722229   374722227   374722225   374722223   374722221   374722219   374722317   374722319   374722337	700	700	700	C/T	C/T	C/T
<b>130</b>	374722321   374722323   374722325   374722327   374722329   374722331   374722333   374722335   374722341   374722349   374722345   374722347   374722339   374722343   374722215   374722217   374722313   374722315   374722311   374722309   374722307   374722305   374722303   374722301   374722299   374722295   374722297   374722293   374722291   374722287   374722289   374722285   374722283   374722281   374722279   374722277   374722275   374722273   374722269   374722271   374722267   374722265   374722263   374722261   374722259   374722257   374722255   374722253   374722251   374722249   374722247   374722245   374722243   374722241   374722239   374722237   374722235   374722233   374722231   374722229   374722227   374722225   374722223   374722221   374722219   374722317   374722319   374722337	709	709	709	A/G	A/G	A/G

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<b>131</b>	374722317	717	717	717	A/G	A/G	A/G
<b>132</b>	374722359	730	730	730	A/G	A/G	A/G
<b>133</b>	374722359   374722361	739	739	739	T/C	T/C	T/C
<b>134</b>	374722359	742	742	742	A/G	A/G	A/G
<b>135</b>	374722215   374722217   374722213   374722215   374722211   374722209   374722307   374722305   374722303   374722301   374722299   374722295   374722297   374722293   374722291   374722287   374722289   374722285   374722283   374722281   374722279   374722277   374722275   374722273   374722269   374722271   374722267   374722265   374722263   374722261   374722259   374722257   374722255   374722253   374722251   374722249   374722247   374722245   374722243   374722241   374722239   374722237   374722235   374722233   374722231   374722229   374722227   374722225   374722223   374722221   374722219   374722317   374722319   374722337	748	748	748	C/T	C/T	C/T
<b>136</b>	374722321   374722323   374722325   374722327   374722329   374722331   374722333   374722335   374722341   374722349   374722345   374722347   374722339   374722343   374722215   374722217   374722213   374722215   374722211   374722209   374722207   374722205   374722203   374722201   374722299   374722295   374722297   374722293   374722291   374722287   374722289   374722285   374722283   374722281   374722279   374722277   374722275   374722273   374722269   374722271   374722267   374722265   374722263   374722261   374722259   374722257   374722255   374722253   374722251   374722249   374722247   374722245   374722243   374722241   374722239   374722237   374722235   374722233   374722231   374722229   374722227   374722225   374722223   374722221   374722219   374722317   374722319   374722337	760	760	760	T/C	T/C	T/C
<b>137</b>	374722317   374722363	766	766	766	T/C	T/C	T/C
<b>138</b>	374722353   374722355   374722357   374722347   374722359   374722361   374722363	769	769	769	G/A	G/A	G/A
	374722351   374722353   374722355   374722357   374722321   374722323   374722325   374722327   374722329   374722331   374722333   374722341						

Agriosphodrus dohrni: COI

<b>139</b>	374722349   374722345   374722347   374722339   374722343   374722215   374722217   374722313   374722315   374722311   374722309   374722307   374722305   374722303   374722301   374722299   374722295   374722297   374722293   374722291   374722287   374722289   374722285   374722283   374722281   374722279   374722277   374722275   374722273   374722269   374722271   374722267   374722265   374722263   374722261   374722259   374722257   374722255   374722253   374722251   374722249   374722247   374722245   374722243   374722241   374722239   374722237   374722235   374722233   374722231   374722229   374722227   374722225   374722223   374722221   374722219   374722317   374722319   374722337   374722359   374722361   374722363	772	772	772	A/G; A/T	A/G; A/T	A/G; A/T
<b>140</b>	374722361	773	773	773	T/C	T/C	T/C
<b>141</b>	374722353   374722359   374722361   374722363	781	781	781	T/C;T/A	T/C;T/A	T/C;T/A
<b>142</b>	374722359   374722361	784	784	784	T/A	T/A	T/A
<b>143</b>	374722359   374722361   374722363	787	787	787	A/C	A/C	A/C
<b>144</b>	374722363	790	790	790	T/C	T/C	T/C
<b>145</b>	374722321   374722323   374722325   374722327   374722329   374722331   374722333   374722335   374722341   374722349   374722345   374722347   374722339   374722343   374722215   374722217   374722313   374722315   374722311   374722309   374722307   374722305   374722303   374722301   374722299   374722295   374722297   374722293   374722291   374722287   374722289   374722285   374722283   374722281   374722279   374722277   374722275   374722273   374722269   374722271   374722267   374722265   374722263   374722261   374722259   374722257   374722255   374722253   374722251   374722249   374722247   374722245   374722243   374722241   374722239   374722237   374722235   374722233   374722231   374722229   374722227   374722225   374722223   374722221   374722219   374722317   374722319   374722337   374722363	796	796	796	T/C	T/C	T/C
	374722215   374722217   374722313   374722315   374722311   374722309   374722307   374722305   374722303   374722301   374722299   374722295   374722297   374722293   374722291   374722287   374722289   374722285   374722283   374722281   374722279   374722277   374722275   374722273   374722269   374722271						

Agriosphodrus dohrni: COI

<b>146</b>	374722267   374722265   374722263   374722261   374722259   374722257   374722255   374722253   374722251   374722249   374722247   374722245   374722243   374722241   374722239   374722237   374722235   374722233   374722231   374722229   374722227   374722225   374722223   374722221   374722219   374722317   374722319   374722337	802	802	802	T/C	T/C	T/C
<b>147</b>	374722363	823	823	823	T/C	T/C	T/C
<b>148</b>	374722321   374722323   374722325   374722327   374722329   374722331   374722333   374722335   374722341   374722349   374722345   374722347   374722339   374722343   374722215   374722217   374722313   374722315   374722311   374722309   374722307   374722305   374722303   374722301   374722299   374722295   374722297   374722293   374722291   374722287   374722289   374722285   374722283   374722281   374722279   374722277   374722275   374722273   374722269   374722271   374722267   374722265   374722263   374722261   374722259   374722257   374722255   374722253   374722251   374722249   374722247   374722245   374722243   374722241   374722239   374722237   374722235   374722233   374722231   374722229   374722227   374722225   374722223   374722221   374722219   374722317   374722319   374722337   374722361   374722363	829	829	829	C/T	C/T	C/T
<b>149</b>	374722319   374722361	841	841	841	A/G	A/G	A/G
<b>150</b>	374722359   374722361   374722363	859	859	859	C/T	C/T	C/T
<b>151</b>	374722359   374722361	898	898	898	T/C	T/C	T/C
<b>152</b>	374722359   374722361   374722363	901	901	901	G/A	G/A	G/A
<b>153</b>	374722353   374722355   374722357   374722363	907	907	907	T/C	T/C	T/C
<b>154</b>	374722321   374722323   374722325   374722327   374722329   374722331   374722333   374722335   374722341   374722349   374722345   374722347   374722339   374722343   374722215   374722217   374722313   374722315   374722311   374722309   374722307   374722305   374722303   374722301   374722299   374722295   374722297   374722293   374722291   374722287   374722289   374722285   374722283   374722281   374722279   374722277   374722275   374722273   374722269   374722271   374722267   374722265   374722263   374722261   374722259   374722257	923	923	923	T/C	T/C	T/C

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	374722255   374722253   374722251   374722249   374722247   374722245   374722243   374722241   374722239   374722237   374722235   374722233   374722231     374722229   374722227   374722225   374722223   374722221   374722219   374722317   374722319   374722337							
<b>155</b>	374722321   374722323   374722325   374722327   374722329   374722331   374722333   374722335   374722341   374722349   374722345   374722347   374722339   374722343   374722215   374722217   374722313   374722315   374722311   374722309   374722307   374722305   374722303   374722301   374722299   374722295   374722297   374722293   374722291   374722287   374722289   374722285   374722283   374722281   374722279   374722277   374722275   374722273   374722269   374722271   374722267   374722265   374722263   374722261   374722259   374722257   374722255   374722253   374722251   374722249   374722247   374722245   374722243   374722241   374722239   374722237   374722235   374722233   374722231   374722229   374722227   374722225   374722223   374722221   374722219   374722317   374722319   374722337	928	928	928	T/C	T/C	T/C	
<b>156</b>	374722321   374722323   374722325   374722327   374722329   374722331   374722333   374722335   374722341   374722349   374722345   374722347   374722339   374722343   374722215   374722217   374722313   374722315   374722311   374722309   374722307   374722305   374722303   374722301   374722299   374722295   374722297   374722293   374722291   374722287   374722289   374722285   374722283   374722281   374722279   374722277   374722275   374722273   374722269   374722271   374722267   374722265   374722263   374722261   374722259   374722257   374722255   374722253   374722251   374722249   374722247   374722245   374722243   374722241   374722239   374722237   374722235   374722233   374722231   374722229   374722227   374722225   374722223   374722221   374722219   374722317   374722319   374722337   374722359   374722361	946	946	946	A/G	A/G	A/G	
<b>157</b>	374722359   374722361	952	952	952	T/C	T/C	T/C	
<b>158</b>	374722321   374722323   374722325   374722327   374722329   374722331   374722333   374722335   374722341   374722349   374722345   374722347   374722339   374722343   374722215   374722217   374722313   374722315   374722311   374722309   374722307   374722305   374722303   374722301   374722299   374722295   374722297   374722293   374722291   374722287   374722289   374722285   374722283   374722281   374722279   374722277   374722275   374722273   374722269	955	955	955	A/G	A/G	A/G	



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	374722271   374722267   374722265   374722263   374722261   374722259   374722257   374722255   374722253   374722251   374722249   374722247   374722245   374722243   374722241   374722239   374722237   374722235   374722233   374722231   374722229   374722227   374722225   374722223   374722221   374722219   374722317   374722319   374722337   374722361							
<b>159</b>	374722321   374722323   374722325   374722327   374722329   374722331   374722333   374722335   374722341   374722349   374722345   374722347   374722339   374722343   374722215   374722217   374722313   374722315   374722311   374722309   374722307   374722305   374722303   374722301   374722299   374722295   374722297   374722293   374722291   374722287   374722289   374722285   374722283   374722281   374722279   374722277   374722275   374722273   374722269   374722271   374722267   374722265   374722263   374722261   374722259   374722257   374722255   374722253   374722251   374722249   374722247   374722245   374722243   374722241   374722239   374722237   374722235   374722233   374722231   374722229   374722227   374722225   374722223   374722221   374722219   374722317   374722319   374722337   374722363	961	961	961	C/T	C/T	C/T	
<b>160</b>	374722361	976	976	976	A/G	A/G	A/G	
<b>161</b>	374722341   374722349   374722345   374722347   374722339   374722343   374722215   374722217   374722313   374722315   374722311   374722309   374722307   374722305   374722303   374722301   374722299   374722295   374722297   374722293   374722291   374722287   374722289   374722285   374722283   374722281   374722279   374722277   374722275   374722273   374722269   374722271   374722267   374722265   374722263   374722261   374722259   374722257   374722255   374722253   374722251   374722249   374722247   374722245   374722243   374722241   374722239   374722237   374722235   374722233   374722231   374722229   374722227   374722225   374722223   374722221   374722219   374722317   374722319   374722337	979	979	979	T/C	T/C	T/C	
<b>162</b>	374722363	988	988	988	C/A	C/A	C/A	
<b>163</b>	374722359   374722361   374722363	994	994	994	T/C	T/C	T/C	
<b>164</b>	374722359	1003	1003	1003	T/C	T/C	T/C	

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<b>165</b>	374722363	1006	1006	1006	C/T	C/T	C/T
<b>166</b>	374722359	1012	1012	1012	G/A	G/A	G/A
<b>167</b>	374722351   374722353   374722355   374722357   374722321   374722323   374722325   374722327   374722329   374722331   374722333   374722335   374722341   374722349   374722345   374722347   374722339   374722343   374722215   374722217   374722313   374722315   374722311   374722309   374722307   374722305   374722303   374722301   374722299   374722295   374722297   374722293   374722291   374722287   374722289   374722285   374722283   374722281   374722279   374722277   374722275   374722273   374722269   374722271   374722267   374722265   374722263   374722261   374722259   374722257   374722255   374722253   374722251   374722249   374722247   374722245   374722243   374722241   374722239   374722237   374722235   374722233   374722231   374722229   374722227   374722225   374722223   374722221   374722219   374722317   374722319   374722337   374722363	1013	1013	1013	C/T	C/T	C/T
<b>168</b>	374722215   374722217   374722313   374722315   374722311   374722309   374722307   374722305   374722303   374722301   374722299   374722295   374722297   374722293   374722291   374722287   374722289   374722285   374722283   374722281   374722279   374722277   374722275   374722273   374722269   374722271   374722267   374722265   374722263   374722261   374722259   374722257   374722255   374722253   374722251   374722249   374722247   374722245   374722243   374722241   374722239   374722237   374722235   374722233   374722231   374722229   374722227   374722225   374722223   374722221   374722219   374722359	1021	1021	1021	T/C	T/C	T/C
<b>169</b>	374722359   374722361   374722363	1027	1027	1027	T/C	T/C	T/C
<b>170</b>	374722321   374722323   374722325   374722327   374722329   374722331   374722333   374722335   374722341   374722349   374722345   374722347   374722339   374722343   374722215   374722217   374722313   374722315   374722311   374722309   374722307   374722305   374722303   374722301   374722299   374722295   374722297   374722293   374722291   374722287   374722289   374722285   374722283   374722281   374722279   374722277   374722275   374722273   374722269   374722271   374722267   374722265   374722263   374722261   374722259   374722257   374722255   374722253   374722251   374722249   374722247   374722245	1033	1033	1033	G/A	G/A	G/A

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	374722243   374722241   374722239   374722237   374722235   374722233   374722231   374722229   374722227   374722225   374722223   374722221   374722219   374722317   374722319   374722337   374722363								
<b>171</b>	374722357   374722321   374722323   374722325   374722327   374722329   374722331   374722333   374722335   374722359   374722361   374722363	1045	1045	1045	T/C	T/C	T/C		
<b>172</b>	374722361   374722363	1054	1054	1054	C/T	C/T	C/T		
<b>173</b>	374722361   374722359	1057	1057	1057	T/C	T/C	T/C		
<b>174</b>	374722353   374722355   374722357	1063	1063	1063	C/T	C/T	C/T		
<b>175</b>	374722321   374722323   374722325   374722327   374722329   374722331   374722333   374722335   374722341   374722349   374722345   374722347   374722339   374722343   374722215   374722217   374722313   374722315   374722311   374722309   374722307   374722305   374722303   374722301   374722299   374722295   374722297   374722293   374722291   374722287   374722289   374722285   374722283   374722281   374722279   374722277   374722275   374722273   374722269   374722271   374722267   374722265   374722263   374722261   374722259   374722257   374722255   374722253   374722251   374722249   374722247   374722245   374722243   374722241   374722239   374722237   374722235   374722233   374722231   374722229   374722227   374722225   374722223   374722221   374722219   374722317   374722319   374722337	1072	1072	1072	T/C	T/C	T/C		
<b>176</b>	374722359   374722361	1075	1075	1075	T/C	T/C	T/C		
<b>177</b>	374722359   374722361	1078	1078	1078	T/C	T/C	T/C		
<b>178</b>	374722359   374722361	1084	1084	1084	A/G	A/G	A/G		
<b>179</b>	374722351   374722353   374722355   374722357   374722321   374722323   374722325   374722327   374722329   374722331   374722333   374722335   374722341   374722349   374722345   374722347   374722339   374722343   374722215   374722217   374722313   374722315   374722311   374722309   374722307   374722305   374722303   374722301   374722299   374722295   374722297   374722293   374722291   374722287   374722289   374722285   374722283   374722281   374722279	1087	1087	1087	G/A	G/A	G/A		

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	374722277   374722275   374722273   374722269   374722271   374722267   374722265   374722263   374722261   374722259   374722257   374722255   374722253   374722251   374722249   374722247   374722245   374722243   374722241   374722239   374722237   374722235   374722233   374722231   374722229   374722227   374722225   374722223   374722221   374722219   374722317   374722319   374722337   374722359   374722361   374722363							
<b>180</b>	374722355	1100	1100	1100	T/C	T/C	T/C	
<b>181</b>	374722363	1102	1102	1102	A/G	A/G	A/G	
<b>182</b>	374722359   374722361   374722363	1111	1111	1111	T/C	T/C	T/C	
<b>183</b>	374722359   374722361   374722363	1115	1115	1115	C/T	C/T	C/T	
<b>184</b>	374722353   374722359   374722361   374722363	1123	1123	1123	C/A;C/T	C/A;C/T	C/A;C/T	
<b>185</b>	374722353   374722355   374722357	1147	1147	1147	G/A	G/A	G/A	
<b>186</b>	374722359   374722361	1156	1156	1156	A/G	A/G	A/G	
<b>187</b>	374722359	1159	1159	1159	A/G	A/G	A/G	
<b>188</b>	374722321   374722323   374722325   374722327   374722329   374722331   374722333   374722335   374722341   374722349   374722345   374722347   374722339   374722343   374722215   374722217   374722313   374722315   374722311   374722309   374722307   374722305   374722303   374722301   374722299   374722295   374722297   374722293   374722291   374722287   374722289   374722285   374722283   374722281   374722279   374722277   374722275   374722273   374722269   374722271   374722267   374722265   374722263   374722261   374722259   374722257   374722255   374722253   374722251   374722249   374722247   374722245   374722243   374722241   374722239   374722237   374722235   374722233   374722231   374722229   374722227   374722225   374722223   374722221   374722219   374722317   374722319   374722337	1162	1162	1162	T/C	T/C	T/C	
<b>189</b>	374722359   374722363	1165	1165	1165	A/G	A/G	A/G	

Agriosphodrus dohrni: COI

<b>190</b>	374722321   374722323   374722325   374722327   374722329   374722331   374722333   374722335   374722341   374722349   374722345   374722347   374722339   374722343   374722215   374722217   374722313   374722315   374722311   374722309   374722307   374722305   374722303   374722301   374722299   374722295   374722297   374722293   374722291   374722287   374722289   374722285   374722283   374722281   374722279   374722277   374722275   374722273   374722269   374722271   374722267   374722265   374722263   374722261   374722259   374722257   374722255   374722253   374722251   374722249   374722247   374722245   374722243   374722241   374722239   374722237   374722235   374722233   374722231   374722229   374722227   374722225   374722223   374722221   374722219   374722317   374722319   374722337	1174	1174	1174	A/G	A/G	A/G
<b>191</b>	374722321   374722323   374722325   374722327   374722329   374722331   374722333   374722335   374722341   374722349   374722345   374722347   374722339   374722343   374722215   374722217   374722313   374722315   374722311   374722309   374722307   374722305   374722303   374722301   374722299   374722295   374722297   374722293   374722291   374722287   374722289   374722285   374722283   374722281   374722279   374722277   374722275   374722273   374722269   374722271   374722267   374722265   374722263   374722261   374722259   374722257   374722255   374722253   374722251   374722249   374722247   374722245   374722243   374722241   374722239   374722237   374722235   374722233   374722231   374722229   374722227   374722225   374722223   374722221   374722219   374722317   374722319   374722337   374722363	1177	1177	1177	G/A	G/A	G/A
<b>192</b>	374722363	1180	1180	1180	A/C	A/C	A/C
<b>193</b>	374722359   374722361   374722363	1183	1183	1183	T/C	T/C	T/C
<b>194</b>	374722321   374722323   374722325   374722327   374722329   374722331   374722333   374722335   374722341   374722349   374722345   374722347   374722339   374722343   374722215   374722217   374722313   374722315   374722311   374722309   374722307   374722305   374722303   374722301   374722299   374722295   374722297   374722293   374722291   374722287   374722289   374722285   374722283   374722281   374722279   374722277   374722275   374722273   374722269   374722271   374722267   374722265   374722263   374722261   374722259   374722257   374722255   374722253   374722251   374722249   374722247   374722245	1189	1189	1189	C/T	C/T	C/T

Agriosphodrus dohrni: COI

374722243   374722241   374722239   374722237   374722235   374722233   374722231   374722229   374722227   374722225   374722223   374722221   374722219   374722317   374722319   374722337   374722363									
<b>195</b>		374722363		1195	1195	1195	A/G	A/G	A/G
<b>196</b>		374722361		1198	1198	1198	A/G	A/G	A/G
<b>197</b>		374722361		1201	1201	1201	A/G	A/G	A/G
<b>198</b>		374722347		1207	1207	1207	G/A	G/A	G/A
<b>199</b>	374722353   374722355   374722357   374722341   374722345   374722339   374722343   374722215   374722217			1210	1210	1210	C/T	C/T	C/T
<b>200</b>		374722359   374722361   374722363		1213	1213	1213	C/T	C/T	C/T

**POLYMORPHIC SITES**

number of variable sites „S”	201
total number of mutations „ETA”	215
selected region	1-1218
total number of sites	1218
number of sequences	75

<b>POLYMORPHISM DATA</b>	<b>DnaSP v.5.10.01</b>	<b>MEGA v.5.22</b>	<b>ProSeq v.3.4</b>
G+C content	0.339	0.339	0.339
nucleotide diversity; per site “Pi”	0.01390	0.013902	0.01391
average number of nucleotide difference “k”	16.93297	16.93297	16.94414
<b>HAPLOTYPE DIVERSITY</b>			
number of haplotype “h”	19	19	19
haplotype diversity “Hd”	0.566	0.566	0.566
variance of haplotype diversity	0.00456	-	-
standard deviation of haplotype diversity	0.068	-	-
<b>NEUTRALITY TESTS</b>			
<b>Tajima’s D</b>	-2.02438	-2.029444	-2.0285
<b>Fu and Li’s D</b>	-2.08332	-	-2.0833
<b>Fu and Li’s F</b>	-2.52072	-	Error
<b>Fu’s Fs</b>	6.109	-	-

Appasus major: COI

No.	GenBank accession numbers	POSITION SNP			ALLELE SNP		
		DnaSP	MEGA	ProSeq	DnaSP	MEGA	ProSeq
1	512380254   512380252	22	22	22	A/G	A/G	A/G
2	512380250	43	43	43	G/A	G/A	G/A
3	512380250   512380252	49	49	49	A/G	A/G	A/G
4	512380254   512380250	58	58	58	A/G	A/G	A/G
5	512380254   512380250   512380252	59	59	59	C/T	C/T	C/T
6	512380206   512380224   512380226   512380228   512380208   512380212   512380222   512380210   512380248   512380230   512380256   512380258   512380218   512380220   512380216   252	76	76	76	A/G	A/G	A/G
7	512380232	79	79	79	T/C	T/C	T/C
8	512380210	80	80	80	C/A	C/A	C/A
9	512380254   512380250   512380252	88	88	88	G/A	G/A	G/A
10	512380254   512380250	91	91	91	A/G	A/G	A/G
11	512380252	100	100	100	A/G	A/G	A/G
12	512380208   512380212   512380222   512380210	103	103	103	T/C	T/C	T/C
13	512380248   512380230   512380256   512380258   512380218   512380220   512380216	121	121	121	T/C	T/C	T/C
14	512380254   512380250   512380252	130	130	130	A/G	A/G	A/G



Appasus major: COI

<b>15</b>	512380212	148	148	148	A/G	A/G	A/G
<b>16</b>	512380206   512380224   512380226   512380228   512380208   512380212   512380222   512380210   512380248   512380230   512380256   512380258   512380218   512380220   512380216   512380254   512380250   512380252	157	157	157	T/C	T/C	T/C
<b>17</b>	512380206   512380224   512380226   512380228   512380208   512380212   512380222   512380210	166	166	166	G/A	G/A	G/A
<b>18</b>	512380248   512380230   512380256   512380258   512380218   512380220   512380216	181	181	181	G/A	G/A	G/A
<b>19</b>	512380250	184	184	184	A/G	A/G	A/G
<b>20</b>	512380206   512380224   512380226   512380228   512380208   512380212   512380222   512380210   512380248   512380230   512380256   512380258   512380218   512380220   512380216	205	205	205	G/A	G/A	G/A
<b>21</b>	512380220	250	250	250	T/C	T/C	T/C
<b>22</b>	512380232   512380246   512380236   512380244   512380242   512380234   512380206   512380224   512380226   512380228   512380208   512380212   512380222   512380210   512380248   512380230   512380256   512380258   512380218   512380220   512380216   512380254   512380250   512380252	265	265	265	C/T	C/T	C/T
<b>23</b>	512380234   512380216	283	283	283	A/G	A/G	A/G
<b>24</b>	512380246   512380236   512380244   512380242   512380234   512380206   512380224   512380226   512380228   512380208   512380212   512380222   512380210   512380248   512380230   512380256   512380258   512380218   512380220   512380216   512380254   512380250   512380252	316	316	316	G/A	G/A	G/A
<b>25</b>	512380242   512380234   512380206   512380224   512380226   512380228   512380208   512380212   512380222   512380210   512380248   512380230   512380256   512380258   512380218   512380220   512380216   512380250   512380252	328	328	328	G/A	G/A	G/A
<b>26</b>	512380206   512380224   512380226   512380228   512380208   512380212   512380222	340	340	340	C/T	C/T	C/T

Appasus major: COI

512380210   512380254   512380250   512380252										
<b>27</b>	512380248   512380230   512380256   512380218   512380220   512380216	358	358	358	C/T	C/T	C/T			
<b>28</b>	512380222   512380252	361	361	361	T/C	T/C	T/C			
<b>29</b>	512380244   512380252	373	373	373	G/A	G/A	G/A			
<b>30</b>	512380206   512380224   512380226   512380228   512380208   512380212   512380222   512380210	388	388	388	A/G	A/G	A/G			
<b>31</b>	512380206   512380224   512380226   512380228   512380208   512380212   512380222   512380210   512380248   512380230   512380256   512380258   512380218   512380220   512380216	412	412	412	T/C	T/C	T/C			
<b>32</b>	512380208   512380212   512380222	415	415	415	A/G	A/G	A/G			
<b>33</b>	512380254   512380250	418	418	418	A/G	A/G	A/G			
<b>34</b>	512380252	433	433	433	A/G	A/G	A/G			
<b>35</b>	512380250	442	442	442	T/C	T/C	T/C			
<b>36</b>	512380252	460	460	460	T/C	T/C	T/C			
<b>37</b>	512380206   512380224   512380226   512380228   512380208   512380212   512380222   512380210   512380248   512380230   512380256   512380258   512380218   512380220   512380216   512380254   512380250   512380252	484	484	484	T/C	T/C	T/C			
<b>38</b>	512380238   512380240   512380232   512380246   512380236   512380244   512380242   512380234   512380206   512380224   512380226   512380228   512380208   512380212   512380222   512380210   512380248   512380230   512380256   512380258   512380218   512380220   512380216   512380254   512380250   512380252	493	493	493	T/A; T/G	T/A; T/G	T/A; T/G			
<b>39</b>	512380252	496	496	496	A/G	A/G	A/G			
<b>40</b>	512380254   512380250   512380252	502	502	502	A/G	A/G	A/G			

Appasus major: COI

<b>41</b>	512380240   512380254   512380250	517	517	517	G/A	G/A	G/A
<b>42</b>	512380206   512380224   512380226   512380228   512380208   512380212   512380222   512380210   512380254   512380250   512380252	536	536	536	C/T	C/T	C/T
<b>43</b>	512380206   512380224   512380226   512380228   512380208   512380212   512380222   512380210   512380254   512380250   512380252	542	542	542	T/C	T/C	T/C
<b>44</b>	512380228	550	550	550	A/G	A/G	A/G
<b>45</b>	512380254   512380250   512380252	557	557	557	T/C	T/C	T/C
<b>46</b>	512380234	580	580	580	A/G	A/G	A/G
<b>47</b>	512380254   512380250   512380252	586	586	586	A/T	A/T	A/T
<b>48</b>	512380206   512380224   512380226   512380228   512380208   512380212   512380222   512380210   512380254   512380250   512380252	595	595	595	T/C	T/C	T/C
<b>49</b>	512380206   512380224   512380226   512380228   512380208   512380212   512380222   512380210   512380248   512380230   512380256   512380258   512380218   512380220   512380216   512380254   512380250   512380252	616	616	616	C/T	C/T	C/T
<b>50</b>	512380254   512380250   512380252	619	619	619	T/G; T/A	T/G; T/A	T/G; T/A
<b>51</b>	512380252	622	622	622	T/C	T/C	T/C
<b>52</b>	512380206   512380224   512380226   512380228   512380208   512380212   512380222   512380210   512380248   512380230   512380256   512380258   512380218   512380220   512380216	628	628	628	A/G	A/G	A/G
<b>53</b>	512380248   512380230   512380256   512380258	631	631	631	A/G	A/G	A/G
<b>54</b>	512380248   512380230   512380256   512380218   512380220   512380216	634	634	634	C/T	C/T	C/T
<b>55</b>	512380210   512380248   512380230   512380256   512380258   512380218   512380220	643	643	643	C/A; C/T	C/A; C/T	C/A; C/T

Appasus major: COI

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| 512380216 | 512380254 | 512380250 | 512380252

<b>56</b>	512380242	655	655	655	A/G	A/G	A/G
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**POLYMORPHIC SITES**

number of variable sites „S”	56
total number of mutations „ETA”	59
selected region	1-658
total number of sites	658
number of sequences	27

<b>POLYMORPHISM DATA</b>	<b>DnaSP v.5.10.01</b>	<b>MEGA v.5.22</b>	<b>ProSeq v.3.4</b>
G+C content	0.386	0.386	0.386
nucleotide diversity; per site “Pi”	0.02120	0.021203	0.02126
average number of nucleotide difference “k”	13.95157	13.95157	13.98860
<b>HAPLOTYPE DIVERSITY</b>			
number of haplotype “h”	21	21	21
haplotype diversity “Hd”	0.972	0.972	0.972
variance of haplotype diversity	0.00043	-	-
standard deviation of haplotype diversity	0.021	-	-
<b>NEUTRALITY TESTS</b>			
<b>Tajima’s D</b>	-0.15157	-0.151574	-0.1418
<b>Fu and Li’s D</b>	-0.35544	-	-0.35544
<b>Fu and Li’s F</b>	-0.41224	-	Error
<b>Fu’s Fs</b>	-4.243	-	-

Aquarius najas: COI

No.	GenBank accession numbers	POSITION SNP			ALLELE SNP		
		DnaSP	MEGA	ProSeq	DnaSP	MEGA	ProSeq
1	78093688   78093686   78093684   78093682   78093680   78093678   78093676   78093674   78093672   78093670   78093668   78093666   78093694   78093690   78093700   78093698	7	7	7	G/A	G/A	G/A
2	78093712   78093710   78093708   78093706   78093704   78093702	10	10	10	A/G	A/G	A/G
3	78093716   78093714   78093718	70	70	70	A/G	A/G	A/G
4	78093712   78093710   78093708   78093706   78093704   78093702   78093716   78093714   78093718	76	76	76	A/T; A/G	A/T; A/G	A/T; A/G
5	78093690	106	106	106	A/G	A/G	A/G
6	78093716   78093714   78093718	118	118	118	T/C	T/C	T/C
7	78093688   78093686   78093684   78093682   78093680   78093678   78093676   78093674   78093672   78093670   78093668   78093666   78093694   78093690   78093700   78093698   78093696   78093712   78093710   78093708   78093706   78093704   78093702   78093716   78093714   78093718	124	124	124	G/A	G/A	G/A
8	78093690	166	166	166	G/A	G/A	G/A
9	78093694   78093690   78093700   78093698   78093696   78093712   78093710   78093708   78093706   78093704   78093702   78093716   78093714   78093718	172	172	172	G/A	G/A	G/A
10	78093716   78093714   78093718	175	175	175	G/A	G/A	G/A
11	78093668   78093666	181	181	181	A/G	A/G	A/G
12	78093620	193	193	193	T/C	T/C	T/C

Aquarius najas: COI

<b>13</b>	78093712   78093710   78093708   78093706   78093704   78093702	223	223	223	G/A	G/A	G/A
<b>14</b>	78093690	241	241	241	T/C	T/C	T/C
<b>15</b>	78093648   78093712   78093710   78093708   78093706   78093704   78093702	244	244	244	A/G	A/G	A/G
<b>16</b>	78093716   78093714   78093718	253	253	253	T/G	T/G	T/G
<b>17</b>	78093688   78093686   78093684   78093682   78093680   78093678   78093676   78093674   78093672   78093670   78093668   78093666	280	280	280	G/A	G/A	G/A
<b>18</b>	78093716   78093714   78093718	286	286	286	T/C	T/C	T/C
<b>19</b>	78093694   78093700   78093698   78093696	289	289	289	T/C	T/C	T/C
<b>20</b>	78093668   78093666	298	298	298	T/A	T/A	T/A
<b>21</b>	78093700   78093698   78093696	301	301	301	G/A	G/A	G/A
<b>22</b>	78093706	307	307	307	A/G	A/G	A/G
<b>23</b>	78093664   78093662   78093654   78093700   78093698   78093696   78093712   78093710   78093708   78093706   78093704   78093702   78093716   78093714   78093718	331	331	331	C/T	C/T	C/T
<b>24</b>	78093716   78093714   78093718	349	349	349	T/C	T/C	T/C
<b>25</b>	78093648   78093712   78093710   78093708   78093706   78093704   78093702	364	364	364	A/G	A/G	A/G
<b>26</b>	78093658	370	370	370	G/A	G/A	G/A
<b>27</b>	78093716   78093714   78093718	400	400	400	T/C	T/C	T/C
<b>28</b>	78093692   78093694   78093690   78093700   78093698   78093696   78093712   78093710   78093708   78093706   78093704   78093702   78093716   78093714   78093718	402	402	402	G/A	G/A	G/A

Aquarius najas: COI

<b>29</b>	78093700   78093698   78093696	403	403	403	T/C	T/C	T/C
<b>30</b>	78093688   78093686   78093684   78093682   78093680   78093678   78093676   78093674   78093672   78093670   78093668   78093666   78093694   78093690   78093700   78093698   78093696   78093712   78093710   78093708   78093706   78093704   78093702   78093716   78093714   78093718	418	418	418	A/T; A/G	A/T; A/G	A/T; A/G
<b>31</b>	78093716   78093714   78093718	442	442	442	T/C	T/C	T/C
<b>32</b>	78093716   78093714   78093718	444	444	444	A/G	A/G	A/G
<b>33</b>	78093664   78093662   78093660   78093688   78093686   78093684   78093682   78093668   78093690   78093704   78093702   78093716   78093714   78093718	445	445	445	T/C	T/C	T/C
<b>34</b>	78093692   78093684   78093682	448	448	448	C/T	C/T	C/T
<b>35</b>	78093716   78093714   78093718	451	451	451	C/A	C/A	C/A
<b>36</b>	78093716   78093714   78093718	463	463	463	G/A	G/A	G/A
<b>37</b>	78093716   78093714   78093718	466	466	466	T/C	T/C	T/C
<b>38</b>	78063604   78093688   78093686   78093684   78093682   78093680   78093678   78093676   78093674   78093672   78093670   78093668   78093666	469	469	469	G/A	G/A	G/A
<b>39</b>	78093682	475	475	475	T/C	T/C	T/C
<b>40</b>	78093680	477	477	477	G/T	G/T	G/T
<b>41</b>	78093618   78093616   78093614   78093612   78093610   78093716   78093714   78093718	484	484	484	C/T	C/T	C/T
<b>42</b>	78093660   78063604   78093688   78093686   78093684   78093682   78093680   78093678   78093676   78093674   78093672   78093670   78093668   78093666   78093712   78093710   78093708   78093706   78093704   78093702   78093716   78093714   78093718	490	490	490	G/A;G/T	G/A;G/T	G/A;G/T



Aquarius najas: COI

<b>43</b>	78093716	496	496	496	T/C	T/C	T/C
<b>44</b>	78093690	511	511	511	T/C	T/C	T/C
<b>45</b>	78093618   78093616   78093614   78093612   78093610   78093716   78093714   78093718	517	517	517	A/G	A/G	A/G
<b>46</b>	78093716   78093714	526	526	526	T/C	T/C	T/C
<b>47</b>	78093618   78093616   78093614   78093612   78093610   78093716   78093714   78093718	550	550	550	A/T	A/T	A/T
<b>48</b>	78093602   78093600   78093598   78093604   78093680   78093678   78093676   78093674   78093672   78093670   78093668   78093666   78093700   78093698   78093696	592	592	592	T/C	T/C	T/C
<b>49</b>	78093654   78093660   78093694   78093712   78093710   78093708   78093706   78093704   78093702	598	598	598	C/T	C/T	C/T
<b>50</b>	78093608   78093606   78093652   78093650   78093692   78093692   78093694   78093690   78093700   78093698   78093696   78093712   78093710   78093708   78093706   78093704   78093702   78093716   78093714   78093718	649	649	649	G/A;G/T;G/C	G/A;G/T;G/C	G/A;G/T;G/C
<b>51</b>	78093618   78093616   78093614   78093612   78093610   78093716   78093714   78093718	654	654	654	G/A	G/A	G/A
<b>52</b>	78093690	657	657	657	A/G	A/G	A/G
<b>53</b>	78093690   78093618   78093616   78093614   78093612   78093610   78093716   78093714   78093718	664	664	664	G/A	G/A	G/A
<b>54</b>	78063604   78093688   78093686   78093684   78093682   78093680   78093678   78093676   78093674   78093672   78093670   78093668   78093666	669	669	669	G/A	G/A	G/A
<b>55</b>	78093692	673	673	673	T/A	T/A	T/A

Aquarius najas: COI

<b>56</b>	78093656   78093712   78093710   78093708   78093706   78093704   78093702   78093716   78093714   78093718	685	685	685	A/G;A/T	A/G;A/T	A/G;A/T
<b>57</b>	78093688   78093686   78093684   78093682   78093680   78093678   78093676   78093674   78093672   78093670   78093668   78093666   78093690   78093700   78093698   78093696   78093712   78093710   78093708   78093706   78093704   78093702   78093716   78093714   78093718	709	709	709	T/C	T/C	T/C
<b>58</b>	78093598	727	727	727	A/G	A/G	A/G
<b>59</b>	78093618   78093616   78093614   78093612   78093610   78093716   78093714   78093718	730	730	730	G/A	G/A	G/A
<b>60</b>	78093690	733	733	733	A/G	A/G	A/G
<b>61</b>	78093618   78093616   78093614   78093612   78093610   78093716   78093714   78093718	739	739	739	G/A	G/A	G/A
<b>62</b>	78093618   78093616   78093614   78093612   78093610   78093716   78093714   78093718	745	745	745	A/T	A/T	A/T
<b>63</b>	78093698	757	757	757	T/C	T/C	T/C

**POLYMORPHIC SITES**

number of variable sites „S”	63
total number of mutations „ETA”	68
selected region	1-777
total number of sites	777
number of sequences	61

<b>POLYMORPHISM DATA</b>	<b>DnaSP v.5.10.01</b>	<b>MEGA v.5.22</b>	<b>ProSeq v.3.4</b>
G+C content	0.292	0.292	0.292
nucleotide diversity; per site “Pi”	0.01345	0.013447	0.01358
average number of nucleotide difference “k”	10.44809	10.44809	10.55410
<b>HAPLOTYPE DIVERSITY</b>			
number of haplotype “h”	34	34	34
haplotype diversity “Hd”	0.942	0.942	0.942
variance of haplotype diversity	0.00041	-	-
standard deviation of haplotype diversity	0.020	-	-
<b>NEUTRALITY TESTS</b>			
<b>Tajima’s D</b>	-0.76262	-0.762619	-0.7358
<b>Fu and Li’s D</b>	-0.31942	-	-0.3194
<b>Fu and Li’s F</b>	-0.67573	-	Error
<b>Fu’s Fs</b>	-9.325	-	-

Carpocoris fuscispinus: COI

No.	GenBank accession numbers	POSITION SNP			ALLELE SNP		
		DnaSP	MEGA	ProSeq	DnaSP	MEGA	ProSeq
1	384096825	178	178	178	T/C	T/C	T/C
2	384096833   384096827	199	199	199	A/G	A/G	A/G
3	384096825	214	214	214	T/C	T/C	T/C
4	384096827	238	238	238	T/C	T/C	T/C
5	384096825	263	263	263	T/C	T/C	T/C
6	384096825	283	283	283	A/T	A/T	A/T
7	384096839	421	421	421	A/G	A/G	A/G
8	384096839   384096829   384096821   384096823   384096833   384096827   384096825	490	490	490	G/A	G/A	G/A
9	384096839   384096829   384096821   384096823   384096833   384096827	493	493	493	A/C	A/C	A/C
10	384096825	550	550	550	T/C	T/C	T/C
11	384096825	565	565	565	A/G	A/G	A/G
12	384096833	601	601	601	C/T	C/T	C/T
13	384096821	616	616	616	C/T	C/T	C/T
14	384096833	625	625	625	G/A	G/A	G/A

POLYMORPHIC SITES

number of variable sites „S”	10
total number of mutations „ETA”	10
selected region	1-436
total number of sites	436
number of sequences	27

POLYMORPHISM DATA	DnaSP v.5.10.01	MEGA v.5.22	ProSeq v.3.4
G+C content	0.364	0.364	0.364
nucleotide diversity; per site “Pi”	0.00544	0.005445	0.00544
average number of nucleotide difference “k”	3.55556	3.55556	3.55556
<b>HAPLOTYPE DIVERSITY</b>			
number of haplotype “h”	7	7	7
haplotype diversity “Hd”	0.911	0.911	0.911
variance of haplotype diversity	0.00598	-	-
standard deviation of haplotype diversity	0.077	-	-
<b>NEUTRALITY TESTS</b>			
<b>Tajima’s D</b>	-1.28941	-1.289405	-1.2894
<b>Fu and Li’s D</b>	-1.51135	-	-1.5114
<b>Fu and Li’s F</b>	-1.63995	-	Error
<b>Fu’s Fs</b>	-1.590	-	-

Carpocoris mediterraneus: COI

No.	GenBank accession numbers	POSITION SNP			ALLELE SNP		
		DnaSP	MEGA	ProSeq	DnaSP	MEGA	ProSeq
<b>1</b>	384096797   384096787   384096803   384096793   384096795   384096807   384096809   384096811   384096813   384096799   384096791   384096789	8	8	8	G/A	G/A	G/A
<b>2</b>	384096797   384096787   384096803   384096793   384096795   384096807   384096809   384096811   384096813   384096799   384096791   384096789	23	23	23	G/A	G/A	G/A
<b>3</b>	384096797   384096787   384096803   384096793   384096795   384096807   384096809   384096811   384096813   384096799   384096791   384096789	50	50	50	T/C	T/C	T/C
<b>4</b>	384096791   384096789	65	65	65	A/G	A/G	A/G
<b>5</b>	384096797   384096787   384096803   384096793   384096795   384096807   384096809   384096811   384096813	71	71	71	T/C	T/C	T/C
<b>6</b>	384096797   384096787   384096803   384096793   384096795   384096807   384096809   384096811   384096813	146	146	146	G/A	G/A	G/A
<b>7</b>	384096791   384096789	236	236	236	C/T	C/T	C/T
<b>8</b>	384096797   384096787   384096803   384096793   384096795   384096807   384096809   384096811   384096813   384096799	245	245	245	A/T	A/T	A/T
<b>9</b>	384096797   384096787   384096803   384096793   384096795   384096807   384096809   384096811	266	266	266	T/A	T/A	T/A
<b>10</b>	384096797   384096787   384096803   384096793   384096795   384096807   384096809   384096811   384096813   384096799   384096791   384096789	270	270	270	G/A	G/A	G/A
	384096797   384096787   384096803   384096793   384096795   384096807   384096809   384096811   384096813   384096799	302	302	302	T/A	T/A	T/A

Carpocoris mediterraneus: COI

384096791   384096789	305	305	305	C/T	C/T	C/T
384096797   384096787   384096803   384096793   384096795   384096807   384096809   384096811   384096813   384096799   384096791   384096789	338	338	338	A/G	A/G	A/G
384096791   384096789	341	341	341	A/C	A/C	A/C
384096813	359	359	359	C/T	C/T	C/T
384096797   384096787   384096803   384096793   384096795   384096807   384096809   384096811   384096813   384096791   384096789	368	368	368	A/T	A/T	A/T
384096797   384096787   384096803   384096793   384096795   384096807   384096809   384096811   384096813   384096799   384096791   384096789	386	386	386	T/C	T/C	T/C
384096791   384096789	389	389	389	C/T	C/T	C/T
384096797   384096787   384096803   384096793   384096795   384096807   384096809   384096811   384096813   384096799	428	428	428	C/T	C/T	C/T
384096797   384096787   384096803   384096793   384096795   384096807   384096809   384096811   384096813   384096799   384096791   384096789	431	431	431	G/A	G/A	G/A
384096797   384096787   384096803   384096793   384096795   384096807   384096809   384096811   384096813   384096799	434	434	434	A/G	A/G	A/G
384096791   384096789	438	438	438	G/A	G/A	G/A
384096791   384096789	449	449	449	C/T	C/T	C/T
384096791   384096789	503	503	503	C/A	C/A	C/A
384096797   384096787   384096803   384096793   384096795   384096807   384096809   384096811   384096813   384096799	504	504	504	T/C	T/C	T/C
384096797   384096787   384096803   384096793   384096795   384096807   384096809	515	515	515	T/C; T/A	T/C; T/A	T/C; T/A

Carpocoris mediterraneus: COI

384096811   384096813   384096799   384096791   384096789									
384096797   384096787   384096803   384096793   384096795   384096807   384096809	536	536	536	T/C	T/C	T/C			
384096811   384096813   384096799   384096791   384096789									
384096791   384096789									
384096797   384096787   384096803   384096793   384096795   384096807   384096809	578	578	578	C/T	C/T	C/T			
384096811   384096813   384096799									
384096791   384096789									
384096797   384096787   384096803   384096793   384096795   384096807   384096809	596	596	596	G/A	G/A	G/A			
384096811   384096813   384096799									
384096791   384096789									



**POLYMORPHIC SITES**

number of variable sites „S”	30
total number of mutations „ETA”	31
selected region	1-601
total number of sites	601
number of sequences	14

<b>POLYMORPHISM DATA</b>	<b>DnaSP v.5.10.01</b>	<b>MEGA v.5.22</b>	<b>ProSeq v.3.4</b>
G+C content	0.371	0.371	0.371
nucleotide diversity; per site “Pi”	0.01629	0.016292	0.01633
average number of nucleotide difference “k”	9.79121	9.79121	9.81319
<b>HAPLOTYPE DIVERSITY</b>			
number of haplotype “h”	5	5	5
haplotype diversity “Hd”	0.670	0.670	0.670
variance of haplotype diversity	0.01593	-	-
standard deviation of haplotype diversity	0.126	-	-
<b>NEUTRALITY TESTS</b>			
<b>Tajima’s D</b>	0.16267	0.162669	0.1727
<b>Fu and Li’s D</b>	1.30476	-	1.3048
<b>Fu and Li’s F</b>	1.09500	-	Error
<b>Fu’s Fs</b>	5.616	-	-

Carpocoris pudicus: COI

No.	GenBank accession numbers	POSITION SNP			ALLELE SNP		
		DnaSP	MEGA	ProSeq	DnaSP	MEGA	ProSeq
1	384096869   384096867   384096871   384096865   384096863	407	407	407	T/C	T/C	T/C
2	384096851	482	482	482	G/T	G/T	G/T

**POLYMORPHIC SITES**

number of variable sites „S”	2
total number of mutations „ETA”	2
selected region	1-589
total number of sites	589
number of sequences	12

<b>POLYMORPHISM DATA</b>	<b>DnaSP v.5.10.01</b>	<b>MEGA v.5.22</b>	<b>ProSeq v.3.4</b>
G+C content	0.367	0.367	0.367
nucleotide diversity; per site “Pi”	0.00118	0.001183	0.00118
average number of nucleotide difference “k”	0.69697	0.69697	0.69697
<b>HAPLOTYPE DIVERSITY</b>			
number of haplotype “h”	3	3	3
haplotype diversity “Hd”	0.621	0.621	0.621
variance of haplotype diversity	0.00751	-	-
standard deviation of haplotype diversity	0.087	-	-
<b>NEUTRALITY TESTS</b>			
<b>Tajima’s D</b>	0.15307	0.153065	0.1531
<b>Fu and Li’s D</b>	-0.37372	-	-0.3737
<b>Fu and Li’s F</b>	-0.27309	-	Error
<b>Fu’s Fs</b>	-0.013	-	-

Carpocoris purpureipennis: COI

No.	GenBank accession numbers	POSITION SNP			ALLELE SNP		
		DnaSP	MEGA	ProSeq	DnaSP	MEGA	ProSeq
1	384096769   384096751   384096749   384096737   384096755   384096745   384096759   384096747   384096741   384096739   384096735   384096767   384096761   384096775   384096785   384096763   384096771   384096773   384096779   384096777   384096757   384096753   384096765   384096781	30	30	30	C/T	C/T	C/T
2	384096745	156	156	156	T/C	T/C	T/C
3	384096769   384096751   384096749   384096737   384096755   384096745   384096759   384096747   384096741   384096739   384096735   384096767   384096761   384096775   384096785   384096763   384096771   384096773   384096779   384096777   384096757   384096753   384096765   384096781	210	210	210	A/G	A/G	A/G
4	384096781	229	229	229	C/T	C/T	C/T
5	384096763	284	284	284	C/T	C/T	C/T
6	384096769	303	303	303	A/G	A/G	A/G
7	384096779   384096781	309	309	309	T/C	T/C	T/C
8	384096777   384096757   384096753   384096765   384096781	312	312	312	T/C	T/C	T/C
9	384096773   384096757	339	339	339	A/G ; A/C	A/G ; A/C	A/G ; A/C
10	384096757   384096753   384096765   384096781	354	354	354	A/G	A/G	A/G
11	384096771	360	360	360	C/T	C/T	C/T
12	384096781	363	363	363	C/T	C/T	C/T

Carpocoris purpureipennis: COI

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<b>13</b>	384096755	528	528	528	C/T	C/T	C/T
<b>14</b>	384096769	564	564	564	T/C	T/C	T/C
<b>15</b>	384096753	602	602	602	C/T	C/T	C/T

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**POLYMORPHIC SITES**

number of variable sites „S”	15
total number of mutations „ETA”	16
selected region	1-602
total number of sites	602
number of sequences	25

<b>POLYMORPHISM DATA</b>	<b>DnaSP v.5.10.01</b>	<b>MEGA v.5.22</b>	<b>ProSeq v.3.4</b>
G+C content	0.374	0.374	0.374
nucleotide diversity; per site “Pi”	0.00300	0.002996	0.00300
average number of nucleotide difference “k”	1.80333	1.80333	1.80667
<b>HAPLOTYPE DIVERSITY</b>			
number of haplotype “h”	14	14	14
haplotype diversity “Hd”	0.780	0.780	0.780
variance of haplotype diversity	0.00804	-	-
standard deviation of haplotype diversity	0.090	-	-
<b>NEUTRALITY TESTS</b>			
<b>Tajima’s D</b>	-1.91190	-1.911902	-1.9090
<b>Fu and Li’s D</b>	-3.01372	-	-3.0137
<b>Fu and Li’s F</b>	-3.17063	-	Error
<b>Fu’s Fs</b>	-10.627	-	-

Cimex hemipterus: COI

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No.	GenBank accession numbers	POSITION SNP			ALLELE SNP		
		DnaSP	MEGA	ProSeq	DnaSP	MEGA	ProSeq
<b>1</b>	410026955   410026953   410026951   410026939   410026937	380	380	380	A/G	A/G	A/G

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## POLYMORPHIC SITES

number of variable sites „S”	1
total number of mutations „ETA”	1
selected region	1-533
total number of sites	533
number of sequences	12

POLYMORPHISM DATA	DnaSP v.5.10.01	MEGA v.5.22	ProSeq v.3.4
G+C content	0.378	0.378	0.378
nucleotide diversity; per site “Pi”	0.00099	0.000995	0.00099
average number of nucleotide difference “k”	0.53030	0.53030	0.53030
<b>HAPLOTYPE DIVERSITY</b>			
number of haplotype “h”	2	2	2
haplotype diversity “Hd”	0.530	0.530	0.530
variance of haplotype diversity	0.00583	-	-
standard deviation of haplotype diversity	0.076	-	-
<b>NEUTRALITY TESTS</b>			
<b>Tajima’s D</b>	1.38110	1.381099	1.3811
<b>Fu and Li’s D</b>	0.75202	-	0.7520
<b>Fu and Li’s F</b>	1.02055	-	Error
<b>Fu’s Fs</b>	1.152	-	-



Corythucha ciliata: COI

No.	GenBank accession numbers	POSITION SNP			ALLELE SNP		
		DnaSP	MEGA	ProSeq	DnaSP	MEGA	ProSeq
1	300360854	20	20	20	C/T	C/T	C/T
2	300360854	39	39	39	A/G	A/G	A/G
3	300360854	62	62	62	T/A	T/A	T/A
4	300360854	105	105	105	A/T	A/T	A/T
5	300360854	110	110	110	A/C	A/C	A/C
6	86371102   86371096   86371090   86371088   86371086   86371094   86371100   300360854	119	119	119	A/G	A/G	A/G
7	300360854	147	147	147	C/T	C/T	C/T
8	300360854	173	173	173	C/T	C/T	C/T
9	300360854	194	194	194	A/T	A/T	A/T
10	86371096   86371090   86371088   86371086	196	196	196	C/T	C/T	C/T
11	300360854	245	245	245	C/T	C/T	C/T
12	300360854	287	287	287	C/T	C/T	C/T
13	300360854	293	293	293	C/T	C/T	C/T
14	300360854	298	298	298	A/T	A/T	A/T

## POLYMORPHIC SITES

number of variable sites „S”	14
total number of mutations „ETA”	14
selected region	1-320
total number of sites	320
number of sequences	10

POLYMORPHISM DATA	DnaSP v.5.10.01	MEGA v.5.22	ProSeq v.3.4
G+C content	0.363	0.363	0.363
nucleotide diversity; per site “Pi”	0.01028	0.010278	0.01028
average number of nucleotide difference “k”	3.28889	3.28889	3.28889
<b>HAPLOTYPE DIVERSITY</b>			
number of haplotype “h”	4	4	4
haplotype diversity “Hd”	0.778	0.778	0.778
variance of haplotype diversity	0.00822	-	-
standard deviation of haplotype diversity	0.091	-	-
<b>NEUTRALITY TESTS</b>			
<b>Tajima’s D</b>	-1.53620	-1.536197	-1.5362
<b>Fu and Li’s D</b>	-1.78608	-	-1.7861
<b>Fu and Li’s F</b>	-1.94152	-	Error
<b>Fu’s Fs</b>	1.785	-	-

Gerris costae: COI

No.	GenBank accession numbers	POSITION SNP			ALLELE SNP		
		DnaSP	MEGA	ProSeq	DnaSP	MEGA	ProSeq
1	111075119	22	22	22	C/T	C/T	C/T
2	111075119	89	89	89	T/C	T/C	T/C
3	111075111   111075123   111075101   111075105   111075121	251	251	251	A/G	A/G	A/G
4	111075119	262	262	262	A/T	A/T	A/T
5	111075121   111075115   111075117   111075107   111075119	346	346	346	C/T	C/T	C/T
6	111075121	440	440	440	C/A	C/A	C/A
7	111075099	448	448	448	T/C	T/C	T/C
8	111075115   111075117	452	452	452	T/C	T/C	T/C
9	111075115	554	554	554	T/C	T/C	T/C
10	111075107	601	601	601	G/A	G/A	G/A
11	111075119	631	631	631	A/G	A/G	A/G
12	111075115   111075117	682	682	682	A/T	A/T	A/T
13	111075115   111075117   111075107   111075119	700	700	700	A/G	A/G	A/G
14	111075099   111075103   111075111   111075123   111075101   111075105   111075121   111075115   111075117   111075107   111075119	742	742	742	G/A	G/A	G/A

**POLYMORPHIC SITES**

number of variable sites „S”	14
total number of mutations „ETA”	14
selected region	1-749
total number of sites	749
number of sequences	13

<b>POLYMORPHISM DATA</b>	<b>DnaSP v.5.10.01</b>	<b>MEGA v.5.22</b>	<b>ProSeq v.3.4</b>
G+C content	0.267	0.267	0.267
nucleotide diversity; per site “Pi”	0.00476	0.004758	0.0047
average number of nucleotide difference “k”	3.56410	3.56410	3.5641
<b>HAPLOTYPE DIVERSITY</b>			
number of haplotype “h”	9	9	9
haplotype diversity “Hd”	0.910	0.910	0.910
variance of haplotype diversity	0.00466	-	-
standard deviation of haplotype diversity	0.068	-	-
<b>NEUTRALITY TESTS</b>			
<b>Tajima’s D</b>	-0.87132	-0.871316	-0.87132
<b>Fu and Li’s D</b>	-0.95172	-	-0.95172
<b>Fu and Li’s F</b>	-1.06208	-	Error
<b>Fu’s Fs</b>	-2.889	-	-

Gerris gibbifer: COI

No.	GenBank accession numbers	POSITION SNP			ALLELE SNP		
		DnaSP	MEGA	ProSeq	DnaSP	MEGA	ProSeq
1	125972478   125972484	9	9	9	A/G	A/G	A/G
2	125972478   125972484	48	48	48	C/T	C/T	C/T
3	125972478   125972484	84	84	84	T/C	T/C	T/C
4	125972476   125972494   125972496   125972488   125972486   125972480   125972474   125972492   125972478   125972484   125972470   125972472	339	339	339	A/G	A/G	A/G
5	125972478   125972484   125972470   125972472	375	375	375	C/T	C/T	C/T
6	125972476	411	411	411	T/C	T/C	T/C
7	125972476   125972494   125972496   125972488   125972486   125972480   125972474   125972492	420	420	420	C/A	C/A	C/A
8	125972476   125972494   125972496   125972488   125972486   125972480   125972474   125972492   125972478   125972484   125972470   125972472	421	421	421	C/T	C/T	C/T
9	125972494	540	540	540	A/G	A/G	A/G
10	125972476	577	577	577	C/A	C/A	C/A
	125972482   125972476   125972494   125972496   125972488   125972486   125972480   125972474   125972492   125972478   125972484   125972470   125972472	624	624	624	G/A	G/A	G/A
	125972482   125972476   125972494   125972496   125972488   125972486   125972480   125972474   125972478   125972484   125972470   125972472	681	681	681	A/G	A/G	A/G
	125972482   125972476   125972494   125972496   125972488   125972486   125972480	782	782	782	T/A ; T/C	T/A ; T/C	T/A ; T/C

Gerris gibbifer: COI

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| 125972474 | 125972492 | 125972478 | 125972484 | 125972470 | 125972472

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**POLYMORPHIC SITES**

number of variable sites „S”	13
total number of mutations „ETA”	14
selected region	1-817
total number of sites	817
number of sequences	14

<b>POLYMORPHISM DATA</b>	<b>DnaSP v.5.10.01</b>	<b>MEGA v.5.22</b>	<b>ProSeq v.3.4</b>
G+C content	0.281	0.281	0.281
nucleotide diversity; per site “Pi”	0.00453	0.004533	0.00460
average number of nucleotide difference “k”	3.70330	3.70330	3.75824
<b>HAPLOTYPE DIVERSITY</b>			
number of haplotype “h”	8	8	8
haplotype diversity “Hd”	0.868	0.868	0.868
variance of haplotype diversity	0.00584	-	-
standard deviation of haplotype diversity	0.076	-	-
<b>NEUTRALITY TESTS</b>			
<b>Tajima’s D</b>	-0.37804	-0.378043	-0.3240
<b>Fu and Li’s D</b>	-0.08159	-	-0.0816
<b>Fu and Li’s F</b>	-0.26670	-	Error
<b>Fu’s Fs</b>	-1.289	-	-

Gerris lacustris: COI

No.	GenBank accession numbers	POSITION SNP			ALLELE SNP		
		DnaSP	MEGA	ProSeq	DnaSP	MEGA	ProSeq
1	125972402   125972416   125972418   125972420   125972422   125972426   125972428   125972450   125972404	120	120	120	T/A	T/A	T/A
2	125972444   125972452   125972408   125972446	150	150	150	C/T	C/T	C/T
3	125972402	192	192	192	T/C	T/C	T/C
4	125972404	261	261	261	T/C	T/C	T/C
5	125972402	285	285	285	A/G	A/G	A/G
6	125972416   125972418   125972420   125972422   125972426   125972428   125972450	301	301	301	T/C	T/C	T/C
7	125972416   125972418   125972420   125972422   125972426   125972428	342	342	342	A/G	A/G	A/G
8	125972416   125972418   125972420   125972422   125972426   125972428   125972450   125972404	348	348	348	T/A	T/A	T/A
9	125972416   125972418   125972420   125972422   125972426   125972428	351	351	351	G/C	G/C	G/C
10	125972416   125972418   125972420   125972422   125972426   125972428   125972450   125972404	357	357	357	T/C	T/C	T/C
	125972416   125972418   125972420   125972422   125972426   125972428   125972450   125972404	418	418	418	T/C	T/C	T/C
	125972402   125972416   125972418   125972420   125972422   125972426   125972428   125972450   125972404	471	471	471	T/C ; T/A	T/C ; T/A	T/C ; T/A
	125972416   125972418   125972420   125972422   125972426   125972428   125972450   125972404	483	483	483	A/G	A/G	A/G



Gerris lacustris: COI

125972456   125972462   125972466   125972402	582	582	582	G/A	G/A	G/A
125972402   125972416   125972418   125972420   125972422   125972426   125972428   125972450   125972404	585	585	585	G/A	G/A	G/A
125972402   125972416   125972418   125972420   125972422   125972426   125972428   125972450   125972404	666	666	666	A/G	A/G	A/G
125972448	771	771	771	C/T	C/T	C/T

**POLYMORPHIC SITES**

number of variable sites „S”	17
total number of mutations „ETA”	18
selected region	1-810
total number of sites	810
number of sequences	29

<b>POLYMORPHISM DATA</b>	<b>DnaSP v.5.10.01</b>	<b>MEGA v.5.22</b>	<b>ProSeq v.3.4</b>
G+C content	0.268	0.268	0.268
nucleotide diversity; per site “Pi”	0.00651	0.006513	0.00654
average number of nucleotide difference “k”	5.27586	5.275865	5.27557
<b>HAPLOTYPE DIVERSITY</b>			
number of haplotype “h”	8	8	8
haplotype diversity “Hd”	0.778	0.778	0.778
variance of haplotype diversity	0.00337	-	-
standard deviation of haplotype diversity	0.058	-	-
<b>NEUTRALITY TESTS</b>			
Tajima’s D	0.75363	0.753626	0.7693
Fu and Li’s D	-0.08497	-	-0.0850
Fu and Li’s F	0.12544	-	Error
Fu’s Fs	2.107	-	-

Gerris thoracicus: COI

No.	GenBank accession numbers	POSITION SNP			ALLELE SNP		
		DnaSP	MEGA	ProSeq	DnaSP	MEGA	ProSeq
1	111075169   111075141   111075139   111075165	75	75	75	T/C	T/C	T/C
2	111075163   111075169   111075141   111075139   111075165   111075153   111075137   111075155   111075149   111075161   111075157   111075147   111075143   111075151   111075145   111075159   111075135   111075133	119	119	119	C/T	C/T	C/T
3	111075149	203	203	203	A/G	A/G	A/G
4	111075163	263	263	263	C/T	C/T	C/T
5	111075151   111075145   111075159   111075135   111075133	359	359	359	C/T	C/T	C/T
6	111075145	380	380	380	A/G	A/G	A/G
7	111075153   111075137   111075155   111075149   111075161   111075157	560	560	560	T/C	T/C	T/C
8	111075151	680	680	680	A/T	A/T	A/T

**POLYMORPHIC SITES**

number of variable sites „S”	8
total number of mutations „ETA”	8
selected region	1-723
total number of sites	723
number of sequences	19

<b>POLYMORPHISM DATA</b>	<b>DnaSP v.5.10.01</b>	<b>MEGA v.5.22</b>	<b>ProSeq v.3.4</b>
G+C content	0.274	0.274	0.274
nucleotide diversity; per site “Pi”	0.00241	0.002410	0.00241
average number of nucleotide difference “k”	1.74269	1.74269	1.74269
<b>HAPLOTYPE DIVERSITY</b>			
number of haplotype “h”	9	9	9
haplotype diversity “Hd”	0.883	0.883	0.883
variance of haplotype diversity	0.00213	-	-
standard deviation of haplotype diversity	0.046	-	-
<b>NEUTRALITY TESTS</b>			
<b>Tajima’s D</b>	-0.81623	-0.816230	-0.8162
<b>Fu and Li’s D</b>	-1.43868	-	-1.4387
<b>Fu and Li’s F</b>	-1.45912	-	Error
<b>Fu’s Fs</b>	-4.102	-	-

Lygocoris pabulinus: COI

No.	GenBank accession numbers	POSITION SNP			ALLELE SNP		
		DnaSP	MEGA	ProSeq	DnaSP	MEGA	ProSeq
1	306994495   306994493	1	1	1	C/T	C/T	C/T
2	306994495   306994493	4	4	4	C/T	C/T	C/T
3	306994495   306994493	10	10	10	T/C	T/C	T/C
4	306994531   306994529   306994527   306994495	31	31	31	T/A	T/A	T/A
5	306994499   306994501   306994503   306994509   306994495   306994493	38	38	38	A/G	A/G	A/G
6	306994495   306994493	50	50	50	C/A	C/A	C/A
7	306994495   306994493	74	74	74	T/C	T/C	T/C
8	306994509	79	79	79	A/G	A/G	A/G
9	306994495   306994493	85	85	85	T/C	T/C	T/C
10	306994499   306994501   306994503   306994509	88	88	88	G/A	G/A	G/A
11	306994495   306994493	127	127	127	T/C	T/C	T/C
12	306994499   306994501   306994503   306994509   306994495   306994493	133	133	133	C/T	C/T	C/T
13	306994499   306994501   306994503   306994509   306994495   306994493	142	142	142	C/T	C/T	C/T
14	306994499   306994501   306994503   306994509	184	184	184	A/T	A/T	A/T
15	306994499   306994501   306994503   306994509   306994495   306994493	187	187	187	T/C	T/C	T/C

Lygocoris pabulinus: COI

<b>16</b>	306994495   306994493	220	220	220	A/C	A/C	A/C
<b>17</b>	306994499   306994501   306994503	241	241	241	A/G	A/G	A/G
<b>18</b>	306994509	247	247	247	C/T	C/T	C/T
<b>19</b>	306994495   306994493	284	284	284	C/T	C/T	C/T
<b>20</b>	306994499   306994501   306994503   306994509	287	287	287	T/C	T/C	T/C
<b>21</b>	306994495   306994493	312	312	312	A/G	A/G	A/G
<b>22</b>	306994527   306994499   306994501   306994503   306994509   306994495   306994493	316	316	316	A/G	A/G	A/G
<b>23</b>	306994499   306994501   306994503   306994509   306994495   306994493	340	340	340	T/C	T/C	T/C
<b>24</b>	306994499   306994501   306994503   306994509   306994495   306994493	373	373	373	A/G	A/G	A/G
<b>25</b>	306994499   306994501   306994503	374	374	374	G/A	G/A	G/A
<b>26</b>	306994499   306994501   306994503	379	379	379	T/C	T/C	T/C
<b>27</b>	306994495   306994493	400	400	400	A/C	A/C	A/C
<b>28</b>	306994495   306994493	403	403	403	T/C	T/C	T/C
<b>29</b>	306994497   306994519	428	428	428	C/T	C/T	C/T
<b>30</b>	306994495   306994493	448	448	448	C/T	C/T	C/T
<b>31</b>	306994495   306994493	478	478	478	A/G	A/G	A/G
<b>32</b>	306994499   306994501   306994503   306994509	483	483	483	A/G	A/G	A/G
<b>33</b>	306994499   306994501   306994503   306994509   306994495   306994493	500	500	500	T/C	T/C	T/C

Lygocoris pabulinus: COI

<b>34</b>	306994499   306994501   306994503   306994509	517	517	517	A/G	A/G	A/G
<b>35</b>	306994495   306994493	520	520	520	T/C	T/C	T/C
<b>36</b>	306994495   306994493	547	547	547	C/T	C/T	C/T
<b>37</b>	306994495   306994493	548	548	548	C/T	C/T	C/T
<b>38</b>	306994495   306994493	550	550	550	A/G	A/G	A/G
<b>39</b>	306994499   306994501   306994503   306994509   306994495   306994493	562	562	562	C/T; C/A	C/T; C/A	C/T; C/A
<b>40</b>	306994495   306994493	565	565	565	T/G	T/G	T/G
<b>41</b>	306994495   306994493	574	574	574	C/T	C/T	C/T
<b>42</b>	306994495   306994493	589	589	589	T/C	T/C	T/C
<b>43</b>	306994495   306994493	596	596	596	T/C	T/C	T/C
<b>44</b>	306994495   306994493	598	598	598	C/A	C/A	C/A
<b>45</b>	306994495   306994493	610	610	610	T/C	T/C	T/C
<b>46</b>	306994493	614	614	614	G/A	G/A	G/A
<b>47</b>	306994499   306994501   306994503   306994509   306994495   306994493	619	619	619	T/A	T/A	T/A
<b>48</b>	306994495   306994493	622	622	622	T/C	T/C	T/C
<b>49</b>	306994499   306994501   306994503   306994509	625	625	625	G/A	G/A	G/A
<b>50</b>	306994509	631	631	631	A/G	A/G	A/G

**POLYMORPHIC SITES**

number of variable sites „S”	50
total number of mutations „ETA”	51
selected region	1-633
total number of sites	632
number of sequences	20

<b>POLYMORPHISM DATA</b>	<b>DnaSP v.5.10.01</b>	<b>MEGA v.5.22</b>	<b>ProSeq v.3.4</b>
G+C content	0.343	0.343	0.343
nucleotide diversity; per site “Pi”	0.02055	0.020553	0.02062
. average number of nucleotide difference “k”	12.98947	12.98947	13.03158
<b>HAPLOTYPE DIVERSITY</b>			
number of haplotype “h”	8	8	8
haplotype diversity “Hd”	0.784	0.784	0.784
variance of haplotype diversity	0.00706	-	-
standard deviation of haplotype diversity	0.084	-	-
<b>NEUTRALITY TESTS</b>			
<b>Tajima’s D</b>	-0.31523	-0.315234	-0.3032
<b>Fu and Li’s D</b>	1.26870	-	1.2687
<b>Fu and Li’s F</b>	0.89987	-	Error
<b>Fu’s Fs</b>	4.858	-	-



Orius sauteri: COI

No.	GenBank accession numbers	POSITION SNP			ALLELE SNP		
		DnaSP	MEGA	ProSeq	DnaSP	MEGA	ProSeq
1	300360744   300360742	3	3	3	G/A	G/A	G/A
2	300360752	4	4	4	A/C	A/C	A/C
3	300360752   300360742	10	10	10	G/A ; G/T	G/A ; G/T	G/A ; G/T
4	300360742	15	15	15	A/T	A/T	A/T
5	300360742	35	35	35	G/A	G/A	G/A
6	300360742	36	36	36	T/A	T/A	T/A
7	300360740	94	94	94	G/A	G/A	G/A
8	300360748	198	198	198	A/G	A/G	A/G
9	300360738   300360756   300360740   300360746   300360748   300360744   300360750   300360752   300360742	240	240	240	T/C	T/C	T/C
10	300360756   300360740   300360746	276	276	276	T/C	T/C	T/C
11	300360756   300360740   300360746	387	387	387	A/G	A/G	A/G
12	300360738   300360756   300360740   300360746   300360748   300360744   300360750   300360752   300360742	411	411	411	C/T	C/T	C/T
13	300360756   300360740   300360746   300360748   300360744   300360750	438	438	438	A/G	A/G	A/G
14	300360756	567	567	567	T/A	T/A	T/A

Orius sauteri: COI

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<b>15</b>	300360750	591	591	591	A/G	A/G	A/G
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**POLYMORPHIC SITES**

number of variable sites „S”	15
total number of mutations „ETA”	16
selected region	1-600
total number of sites	600
number of sequences	10

<b>POLYMORPHISM DATA</b>	<b>DnaSP v.5.10.01</b>	<b>MEGA v.5.22</b>	<b>ProSeq v.3.4</b>
G+C content	0.328	0.328	0.328
nucleotide diversity; per site “Pi”	0.00700	0.00700	0.00704
average number of nucleotide difference “k”	4.20000	4.20000	4.22222
<b>HAPLOTYPE DIVERSITY</b>			
number of haplotype “h”	10	10	10
haplotype diversity “Hd”	1.000	1.000	1.000
variance of haplotype diversity	0.00200	-	-
standard deviation of haplotype diversity	0.045	-	-
<b>NEUTRALITY TESTS</b>			
<b>Tajima’s D</b>	-0.95754	-0.957539	-0.9382
<b>Fu and Li’s D</b>	-1.39100	-	-1.39100
<b>Fu and Li’s F</b>	-1.51132	-	Error
<b>Fu’s Fs</b>	-6.674	-	-

Psallorius piceicola: COI

No.	GenBank accession numbers	POSITION SNP			ALLELE SNP		
		DnaSP	MEGA	ProSeq	DnaSP	MEGA	ProSeq
1	306995323	373	373	373	G/A	G/A	G/A
2	306995323   306995319   306995317   306995321   306995337   306995333   306995325	577	577	577	A/G	A/G	A/G
3	306995319	588	588	588	A/T	A/T	A/T
4	306995327	589	589	589	T/C	T/C	T/C
5	306995319	611	611	611	T/A	T/A	T/A

**POLYMORPHIC SITES**

number of variable sites „S”	5
total number of mutations „ETA”	5
selected region	1-629
total number of sites	627
number of sequences	12

<b>POLYMORPHISM DATA</b>	<b>DnaSP v.5.10.01</b>	<b>MEGA v.5.22</b>	<b>ProSeq v.3.4</b>
G+C content	0.352	0.352	0.352
nucleotide diversity; per site “Pi”	0.00191	0.001909	0.00191
average number of nucleotide difference “k”	1.19697	1.19697	1.19697
<b>HAPLOTYPE DIVERSITY</b>			
number of haplotype “h”	5	5	5
haplotype diversity “Hd”	0.758	0.758	0.758
variance of haplotype diversity	0.00859	-	-
standard deviation of haplotype diversity	0.093	-	-
<b>NEUTRALITY TESTS</b>			
<b>Tajima’s D</b>	-1.02132	-1.021324	-1.0213
<b>Fu and Li’s D</b>	-1.53109	-	-1.5311
<b>Fu and Li’s F</b>	-1.58692	-	Error
<b>Fu’s Fs</b>	-1.449	-	-

Pseudacysta perseae: COI

No.	GenBank accession numbers	POSITION SNP			ALLELE SNP		
		DnaSP	MEGA	ProSeq	DnaSP	MEGA	ProSeq
1	347982662   347982660	31	31	31	T/C	T/C	T/C
2	347982658	38	38	38	G/A	G/A	G/A
3	347982662   347982660	185	185	185	C/T	C/T	C/T
4	347982662   347982660	223	223	223	G/A	G/A	G/A
5	347982662   347982660	241	241	241	A/G	A/G	A/G
6	347982658	256	256	256	C/T	C/T	C/T
7	347982662   347982660	280	280	280	T/C	T/C	T/C
8	347982662   347982660	302	302	302	C/T	C/T	C/T
9	347982618   347982630   347982628   347982626   347982624   347982622   347982634   347982656   347982654   347982652   347982650   347982648   347982646   347982644   347982642   347982640   347982638   347982636   347982596   347982598   347982600   347982602   347982604   347982606   347982658   347982616   347982614   347982612   347982608   347982610   347982632   347982662   347982660	311	311	311	G/A	G/A	G/A
10	347982618	370	370	370	G/A	G/A	G/A
11	347982662   347982660	391	391	391	C/T	C/T	C/T
12	347982634	401	401	401	G/A	G/A	G/A
13	347982656   347982654   347982652   347982650   347982648   347982646   347982644   347982642   347982640   347982638   347982636	403	403	403	C/T	C/T	C/T

Pseudacysta perseae: COI

<b>14</b>	347982632   347982662   347982660	439	439	439	A/G	A/G	A/G
<b>15</b>	347982630   347982628   347982626   347982624   347982622	505	505	505	C/T	C/T	C/T
<b>16</b>	347982662   347982660	511	511	511	C/T	C/T	C/T

**POLYMORPHIC SITES**

number of variable sites „S”	14
total number of mutations „ETA”	14
selected region	1-653
total number of sites	653
number of sequences	10

<b>POLYMORPHISM DATA</b>	<b>DnaSP v.5.10.01</b>	<b>MEGA v.5.22</b>	<b>ProSeq v.3.4</b>
G+C content	0.364	0.364	0.364
nucleotide diversity; per site “Pi”	0.00404	0.004043	0.00404
average number of nucleotide difference “k”	3.55556	3.55548	2.08200
<b>HAPLOTYPE DIVERSITY</b>			
number of haplotype “h”	7	7	7
haplotype diversity “Hd”	0.911	0.911	0.911
variance of haplotype diversity	0.00598	-	-
standard deviation of haplotype diversity	0.077	-	-
<b>NEUTRALITY TESTS</b>			
<b>Tajima’s D</b>	-1.55078	-1.550781	-1.5508
<b>Fu and Li’s D</b>	-0.37768	-	-0.3777
<b>Fu and Li’s F</b>	-0.88871	-	Error
<b>Fu’s Fs</b>	-1.742	-	-



Sigara potamius: COI

No.	GenBank accession numbers	POSITION SNP			ALLELE SNP		
		DnaSP	MEGA	ProSeq	DnaSP	MEGA	ProSeq
1	166202437   166202427   166202435	23	23	23	A/G	A/G	A/G
2	166202423   166202395   166202387   166202385   166202397   166202383   166202381   166202443   166202379   166202419   166202389   166202391   166202417   166202437   166202427   166202435	29	29	29	G/A	G/A	G/A
3	166202405   166202425   166202399   166202407   166202441   166202409   166202423   166202395   166202397   166202385   166202397   166202383   166202381   166202443   166202379   166202419   166202389   166202391   166202417   166202433   166202413   166202431   166202415   166202393   166202437   166202427   166202435	47	47	47	A/G	A/G	A/G
4	166202423   166202395   166202397   166202385   166202397   166202383   166202381   166202443   166202379   166202419   166202389   166202391   166202417   166202433   166202413   166202431   166202415   166202393   166202437   166202427   166202435	50	50	50	C/T	C/T	C/T
5	166202441   166202409   166202437   166202427   166202435	53	53	53	A/G	A/G	A/G
6	166202423   166202395   166202397   166202385   166202397   166202383   166202381   166202443   166202379   166202419   166202389   166202391   166202417   166202433   166202413   166202431   166202415   166202393   166202437   166202427   166202435	56	56	56	T/A	T/A	T/A
7	166202437   166202427   166202435	65	65	65	T/C	T/C	T/C
8	166202407   166202423   166202395   166202397   166202385   166202397   166202383   166202381   166202443   166202379   166202419   166202389   166202391   166202417   166202433   166202413   166202431   166202415   166202393	72	72	72	T/C	T/C	T/C
9	166202429   166202411   166202403	77	77	77	A/G	A/G	A/G

Sigara potamius: COI

<b>10</b>	166202423   166202395   166202397   166202385   166202397   166202383   166202381   166202443   166202379   166202419   166202389   166202391   166202417   166202433   166202413   166202431   166202415   166202393   166202437   166202427   166202435	83	83	83	T/A	T/A	T/A
<b>11</b>	166202425	86	86	86	A/G	A/G	A/G
<b>12</b>	166202423   166202395   166202387   166202385   166202381   166202443   166202379   166202419   166202389   166202391   166202417   166202433   166202413   166202431   166202415   166202393	87	87	87	T/C	T/C	T/C
<b>13</b>	166202405   166202437   166202427   166202435	101	101	101	A/G	A/G	A/G
<b>14</b>	166202423   166202395   166202387   166202385   166202381   166202443   166202379   166202419   166202389   166202391   166202417   166202433   166202413   166202431   166202415   166202393	125	125	125	A/G	A/G	A/G
<b>15</b>	166202423   166202395   166202397   166202385   166202397   166202383   166202381   166202443   166202379   166202419   166202389   166202391   166202417   166202433   166202413   166202431   166202415   166202393   166202437   166202427   166202435	161	161	161	A/C	A/C	A/C
<b>16</b>	166202405   166202407   166202441   166202409   166202423   166202395   166202397   166202385   166202397   166202383   166202381   166202443   166202379   166202419   166202389   166202391   166202417   166202433   166202413   166202431   166202415   166202393   166202437   166202427   166202435	164	164	164	T/C	T/C	T/C
<b>17</b>	166202423   166202395   166202387   166202385   166202381   166202443   166202379   166202419   166202389   166202391   166202417   166202433   166202413   166202431   166202415   166202393	167	167	167	A/G	A/G	A/G
<b>18</b>	166202423   166202395   166202397   166202385   166202397   166202383   166202381   166202443   166202379   166202419   166202389   166202391   166202417   166202433   166202413   166202431   166202415   166202393   166202437   166202427   166202435	209	209	209	G/A	G/A	G/A

Sigara potamius: COI

<b>19</b>	166202429   166202411   166202403	218	218	218	C/G	C/G	C/G
<b>20</b>	166202423   166202395   166202397   166202385   166202397   166202383   166202381   166202443   166202379   166202419   166202389   166202391   166202417   166202433   166202413   166202431   166202415   166202393   166202437   166202427   166202435	224	224	224	T/C	T/C	T/C
<b>21</b>	166202437   166202427   166202435	239	239	239	C/T	C/T	C/T
<b>22</b>	166202437   166202427   166202435	242	242	242	T/C	T/C	T/C
<b>23</b>	166202423   166202395   166202397   166202385   166202397   166202383   166202381   166202443   166202379   166202419   166202389   166202391   166202417   166202433   166202413   166202431   166202415   166202393   166202437   166202427   166202435	245	245	245	T/A	T/A	T/A
<b>24</b>	166202423   166202395   166202387   166202385   166202381   166202443   166202379   166202419   166202389   166202391   166202417   166202433   166202413   166202431   166202415   166202393	260	260	260	A/G	A/G	A/G
<b>25</b>	166202437   166202427   166202435	272	272	272	C/T	C/T	C/T
<b>26</b>	166202423   166202395   166202397   166202385   166202397   166202383   166202381   166202443   166202379   166202419   166202389   166202391   166202417   166202433   166202413   166202431   166202415   166202393   166202437   166202427   166202435	290	290	290	G/A	G/A	G/A
<b>27</b>	166202437   166202427   166202435	296	296	296	A/G	A/G	A/G
<b>28</b>	166202443   166202379	299	299	299	A/G	A/G	A/G
<b>29</b>	166202423   166202395   166202397   166202385   166202397   166202383   166202381   166202443   166202379   166202419   166202389   166202391   166202417   166202433   166202413   166202431   166202415   166202393   166202437   166202427   166202435	305	305	305	G/A	G/A	G/A

Sigara potamius: COI

<b>30</b>	166202423   166202395   166202387   166202385   166202381   166202443   166202379   166202419   166202389   166202391   166202417   166202433   166202413   166202431   166202415   166202393	314	314	314	A/G	A/G	A/G
<b>31</b>	166202423   166202395   166202397   166202385   166202397   166202383   166202381   166202443   166202379   166202419   166202389   166202391   166202417   166202433   166202413   166202431   166202415   166202393   166202437   166202427   166202435	337	337	337	C/T	C/T	C/T
<b>32</b>	166202405   166202437   166202427   166202435	346	346	346	T/C	T/C	T/C
<b>33</b>	166202437   166202427   166202435	349	349	349	A/G	A/G	A/G
<b>34</b>	166202423   166202395   166202387   166202385   166202381   166202443   166202379   166202419   166202389   166202391   166202417   166202433   166202413   166202431   166202415   166202393	352	352	352	T/C	T/C	T/C
<b>35</b>	166202395	364	364	364	T/C	T/C	T/C
<b>36</b>	166202423   166202395   166202387   166202385   166202381   166202443   166202379   166202419   166202389   166202391   166202417   166202433   166202413   166202431   166202415   166202393	378	378	378	T/A	T/A	T/A
<b>37</b>	166202423   166202395   166202387   166202385   166202443   166202379   166202419   166202389   166202391   166202417   166202433   166202413   166202431   166202415   166202393	390	390	390	A/G	A/G	A/G
<b>38</b>	166202423   166202395   166202387   166202385   166202381   166202443   166202379   166202419   166202389   166202391   166202417   166202433   166202413   166202431   166202415   166202393	402	402	402	T/C	T/C	T/C
<b>39</b>	166202437   166202427   166202435	425	425	425	A/G	A/G	A/G
<b>40</b>	166202423   166202395   166202397   166202385   166202397   166202383   166202381   166202443   166202379   166202419   166202389   166202391   166202417   166202433   166202413   166202431   166202415   166202393   166202437   166202427	428	428	428	C/T	C/T	C/T

Sigara potamius: COI

	166202435							
<b>41</b>	166202437   166202427   166202435	432	432	432	C/T	C/T	C/T	
<b>42</b>	166202399	443	443	443	A/G	A/G	A/G	
<b>43</b>	166202423	446	446	446	A/G	A/G	A/G	
<b>44</b>	166202433   166202413   166202431   166202415   466202393	458	458	458	T/C;T/A	T/C;T/A	T/C;T/A	
<b>45</b>	166202437   166202427   166202435	465	465	465	C/T	C/T	C/T	
<b>46</b>	166202423   166202395   166202397   166202385   166202397   166202383   166202381   166202443   166202379   166202419   166202389   166202391   166202417   166202431   166202415   166202393	470	470	470	A/G	A/G	A/G	
<b>47</b>	166202423   166202395   166202397   166202385   166202397   166202383   166202381   166202437   166202427   166202435	488	488	488	G/A	G/A	G/A	
<b>48</b>	166202437   166202427   166202435	515	515	515	T/C	T/C	T/C	
<b>49</b>	166202423   166202395   166202397   166202385   166202397   166202383   166202381   166202443   166202379   166202419   166202389   166202391   166202417   166202433   166202413   166202431   166202415   166202393   166202437   166202427   166202435	518	518	518	A/C	A/C	A/C	
<b>50</b>	166202423   166202395   166202387   166202385   166202381   166202443   166202379   166202419   166202389   166202391   166202417   166202433   166202413   166202431   166202415   166202393	524	524	524	C/T	C/T	C/T	
<b>51</b>	166202385   166202397   166202383   166202381   166202379   166202417   166202433   166202413   166202431   166202415   166202437   166202427   166202435	533	533	533	A/G	A/G	A/G	
<b>52</b>	166202423   166202395   166202397   166202385   166202397   166202383   166202381   166202443   166202379   166202419   166202389   166202391   166202417   166202433   166202413   166202431	554	554	554	A/G	A/G	A/G	

Sigara potamius: COI

<b>53</b>	166202381	560	560	560	T/G	T/G	T/G
<b>54</b>	166202443   166202379	563	563	563	T/C	T/C	T/C
<b>55</b>	166202437   166202427   166202435	566	566	566	T/C	T/C	T/C
<b>56</b>	166202443   166202379	569	569	569	A/G	A/G	A/G
<b>57</b>	166202423   166202395   166202397   166202385   166202397   166202383   166202381   166202443   166202379   166202419   166202389   166202391   166202417   166202433   166202413   166202431	572	572	572	C/T	C/T	C/T
<b>58</b>	166202437   166202427   166202435	596	596	596	T/C	T/C	T/C
<b>59</b>	166202423   166202395   166202397   166202385   166202397   166202383   166202381   166202443   166202379   166202419   166202389   166202391   166202417   166202433   166202413   166202431	602	602	602	T/A	T/A	T/A
<b>60</b>	166202437   166202427   166202435	605	605	605	A/G	A/G	A/G
<b>61</b>	166202423   166202395   166202397   166202385   166202397   166202383   166202381   166202443   166202379   166202433   166202413   166202431   166202415   166202393   166202437   166202427   166202435	608	608	608	G/A	G/A	G/A
<b>62</b>	166202423   166202395   166202397   166202385   166202397   166202383   166202381   166202443   166202379   166202419   166202389   166202391   166202417   166202433   166202413   166202431	614	614	614	T/A	T/A	T/A
<b>63</b>	166202423   166202395   166202397   166202385   166202397   166202383   166202381   166202443   166202379   166202419   166202389   166202391   166202417   166202433   166202413   166202431	615	615	615	C/T	C/T	C/T
<b>64</b>	166202423   166202395   166202397   166202385   166202397   166202383   166202381   166202443   166202379   166202419   166202389   166202391   166202417   166202433   166202413   166202431	620	620	620	T/A	T/A	T/A

Sigara potamius: COI

<b>65</b>	166202405   166202407   166202441   166202409   166202423   166202395   166202397   166202385   166202397   166202383   166202381   166202443   166202379   166202419   166202389   166202391   166202417   166202433   166202413   166202431   166202415   166202393   166202437   166202427   166202435	635	635	635	G/A	G/A	G/A
<b>66</b>	166202423   166202395   166202397   166202385   166202397   166202383   166202381   166202443   166202379   166202419   166202389   166202391   166202417   166202433   166202413   166202431	641	641	641	T/C	T/C	T/C
<b>67</b>	166202423   166202395   166202387   166202385   166202381   166202443   166202379   166202419   166202389   166202391   166202417   166202433   166202413   166202431   166202415   166202393	652	652	652	A/G	A/G	A/G
<b>68</b>	166202437   166202427   166202435	670	670	670	T/C	T/C	T/C
<b>69</b>	166202423   166202395   166202387   166202385   166202381   166202443   166202379   166202419   166202389   166202391   166202417   166202433   166202413   166202431   166202415   166202393	683	683	683	T/C	T/C	T/C
<b>70</b>	166202401	700	700	700	A/G	A/G	A/G
<b>71</b>	166202423   166202395   166202387   166202385   166202381   166202443   166202379   166202419   166202389   166202391   166202417   166202433   166202413   166202431   166202415   166202393	715	715	715	A/G	A/G	A/G
<b>72</b>	166202423   166202395   166202387   166202385   166202381   166202443   166202379   166202419   166202389   166202391   166202417   166202433   166202413   166202431   166202415   166202393	734	734	734	A/T	A/T	A/T

**POLYMORPHIC SITES**

number of variable sites „S”	73
total number of mutations „ETA”	74
selected region	1-738
total number of sites	738
number of sequences	32

<b>POLYMORPHISM DATA</b>	<b>DnaSP v.5.10.01</b>	<b>MEGA v.5.22</b>	<b>ProSeq v.3.4</b>
G+C content	0.291	0.291	0.291
nucleotide diversity; per site “Pi”	0.03404	0.034037	0.03405
average number of nucleotide difference “k”	25.11895	25.11895	25.13105
<b>HAPLOTYPE DIVERSITY</b>			
number of haplotype “h”	22	22	22
haplotype diversity “Hd”	0.974	0.974	0.974
variance of haplotype diversity	0.00019	-	-
standard deviation of haplotype diversity	0.014	-	-
<b>NEUTRALITY TESTS</b>			
<b>Tajima’s D</b>	1.4475	1.445224	1.4477
<b>Fu and Li’s D</b>	1.30051	-	1.3005
<b>Fu and Li’s F</b>	1.56972	-	Error
<b>Fu’s Fs</b>	-0.345	-	-