

Supplementary materials - Integrated taxonomy to advance in species delimitation of the *Anopheles maculipennis* complex

Table S1. The mean CDA score distance and the relative p value of the permutation test were reported for each pair of species.

Pair of sibling species	Mean CDA score's distance
<i>An. maculipennis</i> s.s. - <i>An. atroparvus</i>	3.84*
<i>An. maculipennis</i> s.s. - <i>An. melanoon</i>	4.43*
<i>An. maculipennis</i> s.s. - <i>An. daciae</i> sp. inq.	1.89*
<i>An. melanoon</i> - <i>An. atroparvus</i>	5.60*
<i>An. melanoon</i> - <i>An. daciae</i> sp. inq.	4.96*
<i>An. atroparvus</i> - <i>An. daciae</i> sp. inq.	4.34*

* p-value (Bonferroni correction) <0.01

Table S2. Five statistics and relative p-values of the phylogenetic signal tests between the first dimension of the morphospace and the UPGMA phylogenetic tree of COI and ITS2.

Statistics	COI		ITS2	
	PC1	p-value	PC1	p-value
C _{mean}	-0.29	0.40	-0.13	<0.05
Moran's I	-0.32	0.55	-0.22	0.09
K	0.95	0.56	1.55	0.08
K*	0.96	0.57	1.49	0.08
Pagel's λ	0.00008	1	2.07	<0.05

Figure S1. First two PCs of the morphospace of the wing shapes and elbow plot of the two *Anopheles* mosquito species: *An. maculipennis* s. s. (A-B) and *An. daciae* sp. inq. (C-D). For each species, the COI groups were superimposed on the morphospace as different colours.

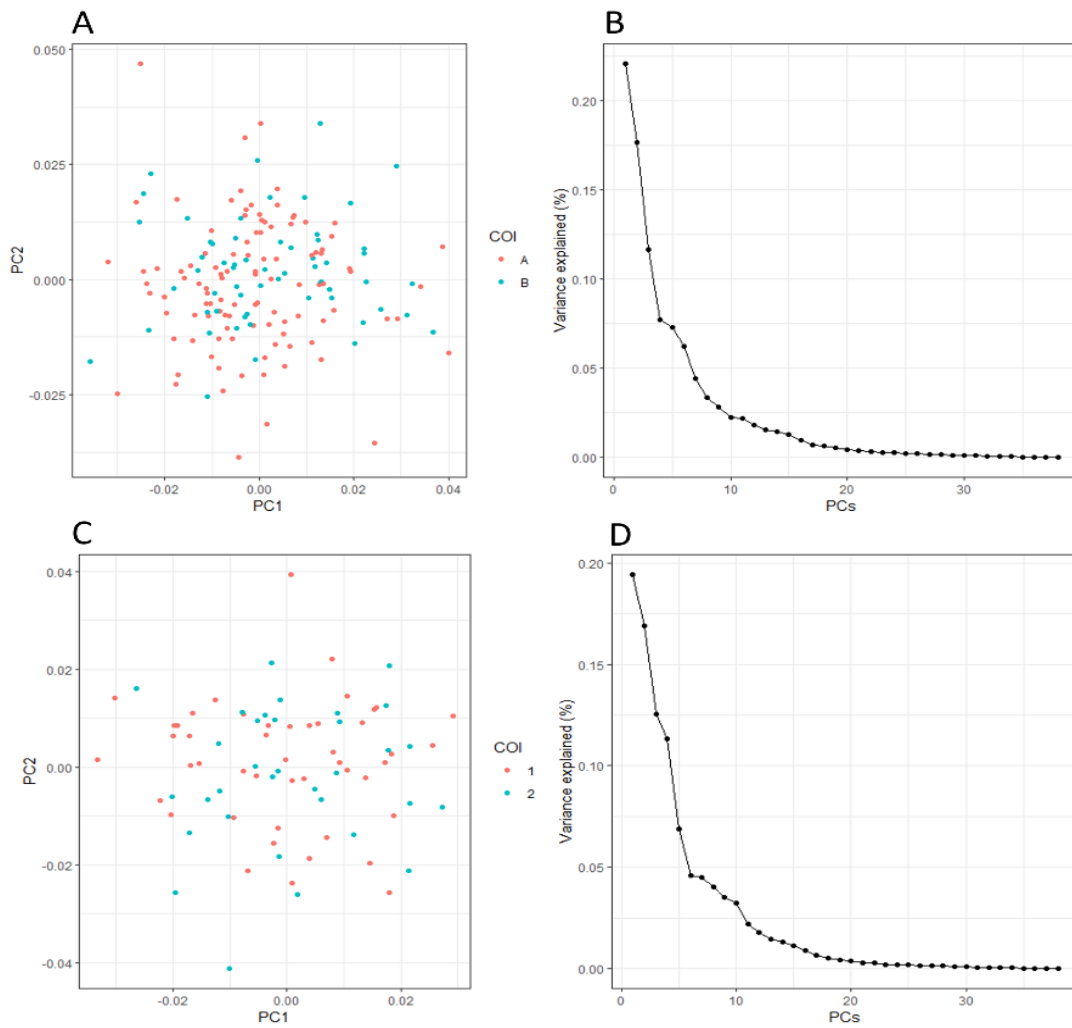


Figure S2. Five performance metrics of the LDA model for the species *An. maculipennis* s.s. and *An. daciae* sp. inq. The species information is represented by different colours, while the set used to evaluate the LDA is represented by different point shapes.

