

Additional file S5. Top-five mass peak list per mosquito species using thoraxes.

MS peak number§	m/z (Da)	Average peak intensity (a.u.)*										
		<i>Cx. declarator</i>	<i>Cx. dunni</i>	<i>Cx. eastor</i>	<i>Cx. idottus</i>	<i>Cx. nigripalpus</i>	<i>Cx. pedroi</i>	<i>Cx. portesi</i>	<i>Cx. quinquefasciatus</i>	<i>Cx. rabanicolus</i>	<i>Cx. spissipes</i>	<i>Cx. usquatus</i>
1	3148.3	8.72	2.86	18	19.9	8.66	4.16	3	13.74	14.63	18.9	12.27
2	3196.38	2.33	3.97	2.15	1.65	3	2.71	15.75	3.77	2.31	2.01	2.38
3	4081.85	3.78	9.38	6.8	11.28	20.72	11.36	9.14	24.57	10	7.63	18.51
4	4307.06	4.7	2.45	3.13	1.82	13.33	11.71	16.98	2.12	1.76	1.59	16.15
5	4324.51	18.26	1.87	2.28	2.54	7.36	4.01	5.59	19.77	4.31	2.2	7.5
6	4351.68	6.23	14.31	14.71	17.19	3.85	4.44	4.3	5.7	12.42	13.92	4.68
7	5127.88	4.19	17.67	3.61	2.83	4.28	4.21	2.18	8.94	2.85	2.72	1.76
8	5206.16 [#]	34.32	2.08	1.32	1.68	32.02	14.22	15.05	44.38	2.19	1.99	36.63
9	5335.07	3.98	1.36	2.73	2.61	4.22	15.1	3.09	4.36	3.19	1.86	3.58
10	5405.68 [#]	1.27	21.72	31.97	25.05	1.38	1.48	18.89	1.5	22.66	2.28	1.59
11	5450.25	1.2	3.28	2.9	3.65	1.28	2	2.63	1.23	3.35	18.01	1.35
12	6085.39	15.15	2.68	17.39	14.94	12.87	5.52	3.29	20.55	12.6	6.92	14.79
13	6124.41	4.13	12.1	3.96	4.06	3.76	16.12	10.48	5.69	3.62	14.62	4.59
14	6299.52	16.22	5.9	31.93	33.92	15.31	4.78	3.93	23.54	25.93	37.42	21.75
15	6357.55	2.6	33.13	3.27	3.82	2.57	1.76	3.65	3.09	3.63	4.49	2.98
16	6396.18	1.94	4.79	2.25	1.81	1.76	3.3	24.36	2.24	2.12	2.96	2.63
17	6426.43 [#]	1.83	3.87	4.1	1.74	1.38	17.89	6.28	4.66	2.4	2.05	3.59
18	8056.24	5.28	3.86	3.04	3	2.08	2.59	4.81	1.59	2.24	20.2	2.37
19	8076.8	19.73	2.76	3.85	3.96	2.1	2.22	10.32	2.07	2.83	6.03	2.27
20	8163.7	5.1	12.45	10.25	15.04	35.07	17.35	8.8	31.34	14.09	8.32	25.88
21	8204.74	20.82	4.45	2.92	3.57	5.47	3.11	11.62	5.59	3.57	3.78	4.83
22	8613.83	5.84	1.55	2.03	1.75	17.8	11.22	19.69	4.07	1.64	1.37	18.26
23	8646.95	23.55	2.19	2.28	3.04	8.02	4.06	5.96	20.49	5.24	3.87	7.13
24	8703.28	6.58	20.43	19.7	21.16	4.16	2.69	4.19	5.73	16.01	21.94	4.32
25	8945.17	12.43	3	19.02	16.5	11.96	8.31	7.25	10.85	13.15	2.5	5.46
26	9016.11	3.2	17.47	5.59	4.22	6.07	4.23	14.69	4.95	3.9	17.34	3.05

§List of MS peaks used to distinct *Culex* species based on the Genetic Algorithm model analysis of ClinProTools. *The top-five mass peaks per *Culex* species are indicated in bold. #MS peaks for which mass-to-charge ratio (m/z) were similar with legs top-five MS peak list (see Additional file S3). Da: Daltons; m/z : mass to charge; a.u.: arbitrary unit.