Aedes & Ochlerotatus	Ae aegypti	Ae albopictus	Ae vexans	Oc bahamensis	Oc fulvus pallens	Oc infirmatus	Oc sollicitans	Oc taenio- rhynchus	Oc tormentor
antennae	single hair near middle	single hair near middle	hair tuft near middle		hair tuft near middle	hair tuft near middle	hair tuft near middle	hair tuft near middle, with only 2-3 branches	hair tuft near middle
head	upper & lower hairs single	upper & lower hairs single	upper & lower hairs multiple		upper hair single, lower hair triple	upper & lower hairs single	upper & lower hairs single	upper & lower hairs single	upper & lower hairs single
thorax/ abdomen	heavy hooks on sides of thorax	weak or no hooks on sides of thorax	side hairs on abdominal segments III- V double or triple	many stellate hair tufts on abdomen					
comb scales	pitchfork- shaped; 7-12 in 1 row	thorn-like; in 1 row	thorn-like; 9- 12 in roughly 2 rows	rounded at tip; 10-18 in 1 row	rounded at tip; 25+ in patch	thorn-like; 15-22 in patch	thorn-like; 11-22 in patch	rounded at tip; 9-20 in patch	thorn-like; 9- 12 in 1 irregular row
siphon	index 2.0; pecten evenly spaced	pecten evenly spaced	index 3.0- 3.5; pecten not evenly spaced, last tooth widely spaced	index 2.0- 2.4; pecten evenly spaced	index 2.0; last pecten tooth detach-ed; hair tuft inserted within pecten	index 2.5; pecten evenly spaced; preapical spine ≤1/2 length of apical pecten tooth	index 2.0- 2.5; pecten evenly spaced	index <2.0; pecten evenly spaced	index 2.0; pecten evenly spaced; hair tuft inserted within pecten
saddle	not completely ringed	not completely ringed	not completely ringed	not completely ringed; spines on edge	completely ringed	completely ringed	completely ringed	completely ringed	completely ringed
gills	all same length, rounded; longer than anal segment	all same length, rounded; longer than anal segment	all same length, pointed; longer than anal segment	different lengths, rounded; about as long as anal seg.	all same length, pointed; longer than anal segment	all same length, pointed; longer than anal segment	variable in length, rounded; usually shorter than anal seg	all same length, rounded; shorter than anal segment	variable in length, pointed; longer than anal segment

Aedes &	Oc				
Ochlerotatus	triseriatus				
antennae	single hair near middle				
head	upper hair single, lower hair 2 or more branches				
thorax/ abdomen					
comb scales	thick, blunt; 8-15 in 1 uneven row				
siphon	index 2.5- 3.0; pecten evenly spaced				
saddle	not completely ringed				
gills	different lengths, rounded, bud- like; about same length as anal seg				

Anopheles	crucians	quadri- maculatus	walkeri	 	 	 
antennae	hair tuft inserts at basal 1/3	hair tuft inserts near middle	hair tuft inserts at basal 1/3			
head	hair #3 multi- branched; #2 simple	hair #3 multi- branched; #2 simple	hair #3 multi- branched; #2 has sparse feathering toward tip			
abdomen (palmate hair)	reduced on segs I & II; well- developed on III-VII	reduced on segs I & II; well- developed on III- VII	partially developed on segs I & II; well- developed on III-VII			
abdomen (hair #0 and hair #2)	#0 & #2 multi- branched & almost equal in size on segs IV & V	#0 very small, single & #2 single on segs IV & V	#0 smaller than #2, branded & #2 single on segs IV & V			

Culex	biscaynensis	declarator	erraticus	nigripalpus	pilosus	quinque- fasciatus	restuans	salinarius	territans
head	upper & lower hairs have 5 or more branches	upper & lower hairs triple	upper hair short with multiple branches; lower hair single	upper & lower hairs usually have 3 branches, sometimes 4	upper & lower hairs single; ventral side of head has ovoid gills near antennae	upper & lower hairs have 5 or more branches	upper & lower hairs have 5 or more branches; hair tuft at middle of antennae	upper hair has 3-6 branches; lower hair has 3-4 branches	upper & lower hairs single
abdomen	many stellate hair tufts		4 <sup>th</sup> segment clear, most prominent in early instars	4 <sup>th</sup> segment clear, most prominent in early instars					4 <sup>th</sup> segment clear, most prominent in early instars
comb scales	blunt; 37-55 in a patch	blunt; many in a patch	thorn-shaped; many in an irregular single or double row	blunt; many in a patch	thorn-shaped; 8-12 in 1 irregular row	blunt; many in a patch	blunt; many in a patch	blunt; many in a patch	blunt; many in a patch
anal segment	spines on edge of saddle; lateral hair single	lateral hair single	lateral hair short, single or double	lateral hair single	lateral hair double or triple	lateral hair single	lateral hair single or double; dorsal hair double	lateral hair double	lateral hair double
siphon	index 9.2- 12.2; long, needle-like; subdorsal setae present	index 5.0-6.0; pecten row slightly twisted; only 3 pairs of hair tufts	index 6.0-7.0; 5 pairs of hair tufts; subdorsal setae present	index 6.0-7.0; 4 pairs of hair tufts, 2 <sup>nd</sup> & 3 <sup>rd</sup> usually double or triple, distal usually single	index 3.0-4.0; distinctly upturned; 8 pairs of hair tufts; long, curved preapical spine	index 3.8-4.0; bulbous; 4 pairs of hair tufts; 2 basal tufts multi- branched	index 4.0-4.5; 4 pairs of hair tufts, 3 pairs are single (one offset), apical hair has 2 or 3 branches	index 6.0-7.0; 4 pairs of hair tufts, 2 basal tufts have 3 branches	index 6.0- 7.0; 4 or 5 pairs of hair tufts
gills	narrow; longer than anal segment	longer than anal segment	blunt; 0.75- 1.5 times the length of anal segment	blunt; longer than anal segment	blunt point; different lengths; longer than anal segment	blunt; longer than anal segment	blunt; longer than anal segment	blunt; longer than anal segment	blunt; as long as or longer than anal segment

Mansonia & Coquillettidia	Ma dyari	Ma titillans	Cq perturbans			
antennae	2 long hairs insert near middle & reach to the end	2 long hairs insert near middle & reach to the end	2 short hairs insert near middle & do not reach the end			
comb scales	broad; 6-9 in 1 row	long, thorn- like; longer near siphon, shorter near anal seg; 6-8 in 1 row	thorn-like; 8- 15 in 1 irregular row			
anal segment	lateral hair a small tuft; 4 or 5 precratal setae	lateral hair a small tuft; 4 precratal setae	later hair a long tuft; 1 or 2 tiny precratal setae			
subsiphonal hair	3 or 4 long, weakly- barbed branches	2 or 3 long, strongly- barbed branches	3 long strongly- barbed branches			
gills	pointed; shorter than anal segment	pointed; shorter than anal segment	pointed; shorter than anal segment			

Psorophora	ciliata	columbiae	ferox	johnstonii	 		
antennae	shorter than head	shorter than head	much longer than head; tuft near middle	about as long as head; tuft near middle			
head	quadrate; top concave	upper & lower hairs multiple	upper & lower hairs double, long	upper hair double, lower hair double or triple			
comb scales	thorn-like with strong spines; 12-16 in 1 curved row	thorn-like with strong spines; 6 in 1 curved row	thorn-like with strong spines; 6-8 in 1 curved row	thorn-like with strong spines; 5-7 in 1 curved row			
siphon	index 3.0-4.0; pecten long & hair-like; a single hair beyond pecten	index 3.0; slightly bulbous; 3-6 widely spaced pecten teeth	index 4.0; strongly bulbous; 3-5 widely spaced pecten teeth; tuft tiny	index 2.5-3.0; strongly bulbous; 3-8 widely spaced pecten teeth; tuft tiny			
anal segment	lateral hair has 3 or 4 branches	lateral hair double or triple	lateral hair multiple	lateral hair small, multiple; 4-6 fan-like precratal setae			
gills	pointed; longer than anal segment	pointed; longer than anal segment	pointed; longer than anal segment	pointed; longer than anal segment			

Uranotaenia	Ur lowii	Ur sapphirina				
head	hair #4 shorter than head spines, multiple	hair #4 as long as head spines, double				
thorax	hair tuft #3 has 4-8 branches, >1/2 as long as hair #1	hair tuft #3 has 8-10 branches, <1/2 as long as hair #1				
siphon	hair tuft inserts beyond pecten	hair tuft inserts before last pecten tooth				

Wyeomyia	mitchellii	vanduzeei	 	 	 	
antennae	hair tuft small; 3 branches	single hair, no tuft				
head	upper hair 3 or 4 branches	upper hair single				
siphon	index 4.0- 5.0; many single hairs over entire siphon	index 6.0; small single or double hairs, mostly dorsal				
anal segment	lateral hair single; dorsal brush has 2 unbranched hairs	lateral hair double; dorsal brush has 2 double- branched hairs				
gills	blunt; 1-2 times length of saddle	rounded; 4 times length of saddle				