Supplemental Online Table 1. Individual studies on the feeding patterns of four species of *Culex* mosquitoes. All these studies determined the fraction of blood meals that came from mammals and birds (and usually from other vertebrate classes), and all determined the fraction that had fed on humans. To ensure consistency in calculating the fraction of bloodmeals from humans, we only included bloodmeals that were conclusively identified.

Species	State, unless outside USA	N	N_{human}	N_{mammal}	N_{bird}	Human/ mammal fraction	Fraction mammal	Fraction human	Fraction bird	Reference
Cx. tarsalis	Utah	800	5	446	354	0.01	0.56	0.006	0.44	(Andersen et al., 1967)
	California	247	5	119	124	0.04	0.48	0.020	0.50	(Gunstream et al., 1971)
	Texas	3495	0	1100	2394	0	0.31	0	0.69	(Hayes et al., 1973)
	California	11585	5	1922	9663	0.00	0.17	0.0004	0.83	(Tempelis et al., 1965)
	Colorado	3423	1	1363	2058	0.00	0.40	0.0003	0.60	(Tempelis et al., 1967)
	Colorado	243	0	66	177	0	0.27	0	0.73	(Tempelis et al., 1967)
	California	951	0	394	556	0	0.41	0	0.59	(Tempelis and Washino, 1967)
	California	939	16	269	670	0.06	0.29	0.017	0.71	(Wekesa et al., 1997)
	California	102	0	17	85	0	0.17	0	0.83	(Reisen et al., 1992)
	Colorado	363	14	62	301	0.23	0.17	0.039	0.83	(Kent et al., 2009)
	Total/Average	22148				0.03	0.32	0.008	0.68	
	SD					0.08	0.10	0.014	0.10	
Cx. pipiens	Colorado	682	1	21	661	0.05	0.03	0.0015	0.97	(Tempelis et al., 1967)
	New York	73	0	1	70	0	0.01	0	0.96	(Apperson et al., 2002)
	New Jersey	75	4	37	23	0.11	0.49	0.053	0.31	(Apperson et al., 2004)
	Connecticut	212	1	13	198	0.08	0.06	0.005	0.93	(Molaei et al., 2006)
	Tennessee	55	0	10	45	0	0.18	0	0.82	(Savage et al., 2007)
	Maryland, DC	156	14	21	135	0.67	0.13	0.090	0.87	(Kilpatrick et al., 2006a)
	Illinois	246	44	55	191	0.80	0.22	0.179	0.78	(Hamer et al., 2008)
	Total/Average	1499	64	158	1323	0.24	0.16	0.047	0.80	
	SD					0.36	0.17	0.071	0.24	
Cx. restuans	New York	23	0	3	20	0	0.13	0	0.87	(Apperson et al., 2002)
	New Jersey	14	1	7	7	0.14	0.50	0.071	0.50	(Apperson et al., 2004)
	Maryland, DC	14	3	3	11	1	0.21	0.214	0.79	Kilpatrick et al. unpub. data
	Connecticut	18	0	0	18	0	0	0	1	(Magnarelli, 1977)

	Connecticut	30	0	0	30	0	0	0	1	(Molaei et al., 2006)
	Tennessee	437	3	102	274	0.03	0.23	0.007	0.63	(Savage et al., 2007)
	Illinois	35	6	8	27	0.75	0.23	0.171	0.77	(Hamer et al., 2008)
	Total/Average	571	13	123	387	0.27	0.19	0.066	0.79	
	SD					0.42	0.13	0.097	0.19	
Cx. quinquefasciatus	Louisiana	686	48	274	412	0.18	0.40	0.070	0.60	(Mackay et al., 2010)
	Texas	728	3	409	319	0.01	0.56	0.004	0.44	(Molaei et al., 2007)
	Mississippi	945	3	286	659	0.01	0.30	0.003	0.70	(Bertsch and Norment, 1983)
	Yucatan, Mexico	240	16	43	197	0.37	0.18	0.067	0.82	(Garcia-Rejon et al., 2010)
	E. Australia	171	6	17	154	0.35	0.10	0.035	0.90	(Jansen et al., 2009)
	W. Australia	37	2	15	22	0.13	0.41	0.054	0.59	(Johansen et al., 2009)
	California	424	8	49	375	0.16	0.12	0.019	0.88	(Molaei et al., 2010)
	California	521	3	195	326	0.02	0.37	0.006	0.63	(Reisen et al., 1992)
	Tennessee	115	1	17	91	0.06	0.15	0.009	0.79	(Savage et al., 2007)
	Total/Average	3867	26	622	1824	0.14	0.29	0.030	0.71	
	SD					0.16	0.16	0.028	0.15	