

Table S2. S8/S6 and S7/S6 ratios with sample sizes for each of the 17 species presented in Figure 6 (see Figure 1 for definitions of S6, S7, and S8).

	S8/S6 (mean±SD)	S7/S6 (mean±SD)	Number of samples	Sampling Site
<i>G. lacustris</i>	0.67 ± 0.02	1.01 ± 0.06	3	Palaeartic, Cornell University Insect Collection
<i>G. comatus</i>	0.70 ± 0.04	1.04 ± 0.05	4	Nearctic, Cornell University Insect Collection
<i>G. marginatus</i>	0.68 ± 0.06	0.98 ± 0.07	6	Nearctic, Cornell University Insect Collection
<i>G. inseperatus</i>	0.64 ± 0.06	1.01 ± 0.08	5	Nearctic, Cornell University Insect Collection
<i>G. latiabdominis</i>	0.63 ± 0.04	0.97 ± 0.06	34	Kimpo Ricefields, Seoul, Korea
<i>G. buenoi</i>	0.76 ± 0.08	1.25 ± 0.10	7	Nearctic, Cornell University Insect Collection
<i>G. pingreensis</i>	1.07 ± 0.04	1.28 ± 0.11	3	Nearctic, Cornell University Insect Collection
<i>G. incognitus</i>	0.98 ± 0.21	1.09 ± 0.10	6	Nearctic, Cornell University Insect Collection
<i>G. gracilicornis</i>	0.28 ± 0.03	1.30 ± 0.07	155	Gwanak Mountain, Seoul, Korea
<i>A. remigis</i>	0.65 ± 0.12	1.39 ± 0.07	8	Nearctic, Cornell University Insect Collection
<i>A. paludum</i>	0.52 ± 0.10	0.99 ± 0.05	21	Gwanak Mountain, Seoul, Korea
<i>A. conformis</i>	0.64 ± 0.07	1.10 ± 0.04	3	Nearctic, Cornell University Insect Collection
<i>A. nebularis</i>	0.61 ± 0.06	1.27 ± 0.06	12	Nearctic, Cornell University Insect Collection
<i>A. elongatus</i>	0.45 ± 0.03	0.76 ± 0.01	3	Jiri Mountain, Jeollanam-do, Korea
<i>A. najas</i>	0.46 ± 0.03	0.93 ± 0.03	3	Kurowka river near Pulawy, Lublin district, Poland
<i>L. dissortis</i>	0.68 ± 0.06	0.89 ± 0.03	5	Nearctic, Cornell University Insect Collection
<i>L. notabilis</i>	0.60 ± 0.06	0.86 ± 0.16	6	Nearctic, Cornell University Insect Collection