

Table S2. The specificity of the dsRNA-mediated silencing among 9 *mosGCTL* genes.

Detection of <i>mosGCTLs</i> mRNA										
dsRNA mediated silencing		mosGCTL-3	mosGCTL-15	mosGCTL-19	mosGCTL-20	mosGCTL-22	mosGCTL-23	mosGCTL-24	mosGCTL-26	mosGCTL-32
	mosGCTL-3 RNAi	0.28**	0.61	0.80	0.75	1.00	0.68	0.93	0.63	0.77
	mosGCTL-15RNAi	1.33	0.28	1.10	1.01	1.03	0.73	0.70	0.67	0.98
	mosGCTL-19RNAi	0.99	0.89	0.25	1.57	0.69	0.63	0.65	0.61	0.41***
	mosGCTL-20RNAi	1.11	1.20	0.56	0.21	0.71	0.83	0.92	0.88	1.20
	mosGCTL-22RNAi	0.72	0.55	0.69	1.07	0.22	0.42	0.43	0.27	0.45
	mosGCTL-23RNAi	1.04	1.00	1.49	0.28	0.34	0.15	0.30	0.33	0.49
	mosGCTL-24RNAi	1.08	1.12	0.98	0.79	0.63	0.69	0.21	1.05	1.03
	mosGCTL-26RNAi	0.89	0.74	0.56	0.71	0.58	0.68	0.72	0.08	0.81
	mosGCTL-32RNAi	1.09	1.33	1.71	0.97	0.75	0.77	0.71	0.95	0.23

* The number represents the ratio of the *mosGCTL* mRNA amount between *mosGCTL*-dsRNA and *GFP*-dsRNA treated mosquitoes. The *mosGCTLs* dsRNA were inoculated into mosquitoes respectively. *GFP* dsRNA served as mock control. The mosquitoes were sacrificed at 9 days after dsRNA inoculation. The amount of *mosGCTL* mRNA was determined by qPCR and normalized by *A. aegypti actin*.

** The column in deep gray: Silencing effect by its own dsRNA inoculation.

*** The column in light gray: Cross-silencing effect with ratio<0.5 (more than 2-fold decrease).