

Table S1. Proportion (Mean \pm SE) of different morphs deposited by *A. glycines* on day 1, exposed to diurnal 35°C for 7 days begin at different developmental stages

Initial stage of aphid exposed to diurnal 35°C	Proportion of <i>A. glycines</i> morphs in offspring (%)		
	Virginoparae	Gynoparae	Male
1st–stadium	67.43 \pm 0.09 a	32.57 \pm 0.09 a	0
2nd–stadium	75.66 \pm 0.15 a	24.34 \pm 0.15 a	0
3rd–stadium	74.95 \pm 0.06 a	25.05 \pm 0.06 a	0
4th–stadium	82.66 \pm 0.06 a	17.34 \pm 0.06 a	0
Adult stage	86.56 \pm 0.02 a	13.44 \pm 0.02 a	0
Aphids reared at constant 20°C (CK)	84.33 \pm 0.01 a	15.67 \pm 0.01 a	0

Means within a column followed by the same letter do not differ significantly (HSD test, $P < 0.05$).

Table S2. Proportion (Mean \pm SE) of different morphs deposited by *A. glycines* on day 7, which were exposed to diurnal 35°C for seven days begin at different developmental stages

Initial stage of aphid exposed to diurnal 35°C	Proportion of <i>A. glycines</i> morphs in offspring (%)		
	Virginoparae	Gynoparae	Male
1st - stadium	19.29 \pm 0.05 a	80.71 \pm 0.05 a	0
2nd - stadium	28.61 \pm 0.08 a	71.39 \pm 0.08 a	0
3rd - stadium	26.17 \pm 0.06 a	73.83 \pm 0.06 a	0
4th - stadium	27.52 \pm 0.06 a	72.48 \pm 0.06 a	0
Adult stage	23.30 \pm 0.07 a	76.70 \pm 0.07 a	0
Aphid reared at constant	21.77 \pm 0.02 a	78.23 \pm 0.02 a	0

Means within a column followed by same letter do not differ significantly (HSD test, $P < 0.05$).

Table S3. Proportion (Mean \pm SE) of different morphs deposited by *A. glycines* on day 13, which were exposed to diurnal 35°C for seven days begin at different developmental stages

Initial stage of aphid exposed to diurnal 35°C	Proportion of <i>A. glycines</i> morphs in offspring (%)		
	Virginoparae	Gynoparae	Male
1st – stadium	0	33.97 \pm 0.10 a	66.03 \pm 0.10 b
2nd – stadium	0	43.08 \pm 0.17 a	56.92 \pm 0.17 b
3rd – stadium	0	39.75 \pm 0.17 a	60.25 \pm 0.17 b
4th – stadium	0	67.50 \pm 0.14 a	32.50 \pm 0.14 b
Adult stage	0	75.71 \pm 0.03 a	24.29 \pm 0.03 b
Aphid reared at constant 20°C (CK)	0	0 b	100 a

Means within a column followed by same letter do not differ significantly (HSD test, $P < 0.05$)