

Supplementary Table 2. Silkworm bioassay with *AtSHNI* transgenic as well as wild type plant leaves.

A. Weight of 5th instar larvae observed during rearing in days.

	Weight of 5 th instar larvae from day one during rearing (g)						
	1	2	3	4	5	6	7
Wild type	30.1	35.6	42.4	48.6	54.1	61.1	67.5
<i>AtSHNI</i> transgenic	30.8	36.2	40.8	48.2	53.6	60.4	67.6

B. Different parameters such as weight of cocoon, weight of shell, weight of pupa and effective rate of rearing (ERR) was recorded.

	Weight of cocoon (g)	Weight of shell (g)	Weight of pupa (g)	ERR (%)
Wild type	1.61	0.505	1.28	91.43
<i>AtSHNI</i> transgenic	1.58	0.515	1.32	92.86

The silkworm bioassay experiment was carried out only once.