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Supplementary Material

Tab. S1 - Relative expression of three different genes in the 15 used biological replicates.

Biological replicate	ΔCt*GmosPT*	Mean±SD	ΔCt*GmHA5*	Mean±SD	ΔCt*PopPT*	Mean±SD
C8	2.11	2.11±0.64	2.25	1.53±1.46	4.16	3.37±1.11
C9	2.75		2.49		-	
C21	1.47		-0.15		2.59	
*Hyphantria cunea*_100_1	2.16	1.05±1.26	2.78	0.96±2.17	2.47	3.98±2.14
*Hyphantria cunea*_100_2	-0.33		-1.44		-	
*Hyphantria cunea*_100_28	1.31		1.55		5.49	
*Hyphantria cunea*_50_7	1.99	1.31±0.83	2.96	2.02±1.06	2.55	3.17±1.38
*Hyphantria cunea*_50_12	1.56		0.87		2.20	
*Hyphantria cunea*_50_26	0.38		2.23		4.76	
*Lymantria dispar*_100_5	2.73	2.16±1.46	2.55	1.82±0.63	4.59	4.83±0.69
*Lymantria dispar*_100_11	0.50		1.46		5.60	
*Lymantria dispar*_100_16	3.25		1.44		4.29	
*Lymantria dispar*_50_4	0.08	2.76±2.34	-1.08	0.37±1.43	3.25	3.95±0.99
*Lymantria dispar*_50_6	4.43		1.79		-	
*Lymantria dispar*_50_19	3.77		0.41		4.64	

ΔCt of three genes are shown with mean and standard deviation (SD): **Δ**Ct*GmosPT* for a fungal phosphate transporter (Gomez-Ariza et al. 2009), **Δ**Ct*GmHA5* for a fungal H+-ATPase (Requena et al. 2003) and **Δ**Ct*PopPT* for a poplar phosphate transporter.

Tab. S2 - Ct values of each technical replicate of four different genes in the 15 used biological replicates.

Technical replicate	Ct*Gmostef*	Mean±SD	Ct*GmosPT*	Mean±SD	Ct*GmHA5*	Mean±SD	Ct*Gmostef*	Mean±SD	Ct*PopPT*	Mean±SD
C8	30.83		*32.67		*32.17		29.94		34.41	
C8	*31.77	31.06±0.33	33.34	33.17±0.23	33.69	33.31±0.54	30.29	30.03±0.23	33.97	34.19±0.31
C8	31.30		33.01		32.93		29.86		*34.90	
C9	30.39		33.19		33.20		35.71		n.d.	
C9	30.70	30.55±0.15	33.29	33.20±0.08	32.87	33.03±0.16	35.65	35.68±0.04	n.d.	n.d.
C9	30.55		33.12		33.03		*36.00		n.d.	
C21	30.17		31.61		29.93		30.25		33.59	
C21	30.30	30.23±0.06	31.79	31.70±0.13	*30.55	30.08±0.22	30.53	30.39±0.20	n.d.	32.98±0.86
C21	30.23		*32.18		30.24		*30.85		32.37	
Hc_100_1	29.01		31.20		32.06		27.75		29.85	
Hc_100_1	*30.08	29.27±0.37	*32.14	31.43±0.33	32.05	32.05±0.00	27.54	27.19±0.14	30.05	30.05±0.20
Hc_100_1	29.54		31.67		32.05		27.48		30.26	
Hc_100_2	*34.74		33.72		32.68		*34.74		n.d.	
Hc_100_2	33.89	34.10±0.30	33.78	33.75±0.04	32.66	32.62±0.09	32.47	33.01±0.75	n.d.	n.d.
Hc_100_2	34.32		*34.44		32.51		33.54		n.d.	
Hc_100_28	29.75		31.08		31.26		29.79		35.57	
Hc_100_28	29.74	29.75±0.00	31.03	31.06±0.02	31.34	31.30±0.04	30.24	30.17±0.36	35.76	35.66±0.13
Hc_100_28	29.75		31.06		31.30		30.49		*36.20	
Hc_50_7	28.07		29.79		31.18		26.75		29.51	
Hc_50_7	28.36	28.22±0.14	*31.46	30.20±0.59	31.18	31.18±0.00	26.82	26.94±0.27	29.61	29.5±0.12
Hc_50_7	28.22		30.62		31.18		27.26		29.37	
Hc_50_12	*32.10		33.22		32.81		*32.10		35.91	
Hc_50_12	31.55	31.69±0.20	33.25	33.32±0.14	32.31	32.56±0.25	33.72	33.60±0.16	35.81	35.80±0.11
Hc_50_12	31.83		33.48		32.56		33.49		35.68	
Hc_50_26	29.60		29.79		32.06		30.69		35.14	
Hc_50_26	29.61	29.61±0.00	*30.56	29.98±0.27	32.05	31.84±0.10	31.17	30.85±0.27	35.98	35.84±0.19
Hc_50_26	29.61		30.18		32.05		30.69		35.70	
Ld_100_5	28.08		31.21		30.64		27.17		31.93	
Ld_100_5	28.44	28.26±0.18	30.76	30.99±0.22	*31.34	30.81±0.25	27.13	27.25±0.17	31.73	31.83±0.14
Ld_100_5	28.26		30.99		30.99		27.44		*30.45	
Ld_100_11	29.12		29.77		30.62		30.86		36.20	
Ld_100_11	29.14	29.13±0.01	29.49	29.63±0.14	30.57	30.59±0.02	30.46	30.53±0.31	36.06	36.13±0.09
Ld_100_11	*28.72		29.63		30.59		30.25		*36.70	
Ld_100_16	32.19		35.43		33.18		30.94		35.20	
Ld_100_16	32.21	32.26±0.10	35.46	35.49±058	*35.08	33.65±0.67	30.50	30.85±0.32	35.10	35.61±0.43
Ld_100_16	32.37		35.59		34.13		31.13		*35.60	
Ld_50_4	34.68		33.03		33.43		29.81		32.66	
Ld_50_4	34.78	34.78±0.10	33.13	33.13±0.10	*34.53	33.70±0.39	29.34	29.44±0.33	32.73	32.69±0.05
Ld_50_4	34.88		33.23		33.98		29.19		*33.10	
Ld_50_6	31.32		34.18		33.06		32.42		n.d.	
Ld_50_6	31.16	31.24±0.11	34.28	34.28±0.10	33.03	33.03±0.03	33.68	33.05±0.89	n.d.	n.d.
Ld_50_6	*31.74		34.38		33.00				n.d.	
Ld_50_19	*29.02		31.70		28.86		27.05		32.03	
Ld_50_19	28.03	28.28±0.35	*32.14	31.84±0.20	28.52	28.69±0.17	27.41	27.17±0.21	31.59	31.81 ±0.31
Ld_50_19	28.53		31.92		28.69		27.05		*33.00	

Ct of four genes are shown with mean and standard deviation (SD): Ct*Gmostef* (Cappellazzo et al. 2008), Ct*GmosPT* for a fungal phosphate transporter (Gomez-Ariza et al. 2009), Ct*GmHA5* for a fungal H+-ATPase (Requena et al. 2003) and Ct*PopPT* for a poplar phosphate transporter. The discarded values are indicated with an asterisk (*). Hc in replicate labels indicates *Hyphantria cunea*, while Ld indicates *Lymantria dispar*.