Members of the germin-like protein family in *Brassica napus* are candidates for the initiation of an oxidative burst that impedes pathogenesis of *Sclerotinia sclerotiorum.*

Steffen Rietz, Friederike Bernsdorff and Daguang Cai

Table S1. Primer combinations for qPCR analysis of the *BnGLP* gene family and tubulin as reference gene.

	Forward 5´- 3´	Reverse 5´- 3´
BnGLP1	TGATGGGTACCTCCATGTCTCGT	GGCAGGAGCATTGTTAGGGTTCT
BnGLP2	CCGTCAATGTTAGCAACCTTCCA	GTTTTGGTGAAGAGGCGATTTCC
BnGLP3	GGTTTCTCACCACCGCCAATAG	AACCGAACAGAGTAGCGCCAAG
BnGLP4	ATTTCTTCTTTGCGGGCATCAG	CTCGCCTTCCAACACGAAGATT
BnGLP5	AATTCTGTAAGGATCCGAAGCAAGC	TCGATTAGGACAAGGATCTCAGTGC
BnGLP6	TGGTCCTGGCGACATGTTTG	GGAATCGCTGGTTTCGCAAG
BnGLP7	GCTGATCTCAAACCCGGAGCTA	CCGGGGCTTTGGCTATTAAGTC
BnGLP8	ACCCTGACCAAGTCACCGAAAAT	TGTGAAGAGGAATGACACCACCA
BnGLP9	GTAGCTGATCCGAGCGGTCCT	CCAGCGGCTAAGTCAAGACGA
BnGLP10	CAAGACTTCTGTGTGGCCAACCT	AGTGTGCATTGGGATCACACCTT
BnGLP11	CTCCTCCTCATTCACCTCACCAA	ATTGTGTTGAGACCCGGGAGATT
BnGLP12	TCCCTCTCATCTGACCCTGACC	GGAGCGAACTCAACGTTGTTCA
BnGLP13	ACGTCGGGTTTGTTTCTTCCAA	ACACAGCGTTTGCGATTGTGAT
BnGLP14	TTCGTAACAACCGCAGGGAAA	GCGACTGTGTTCCAGGCAACT
Tubulin	AGGTCTCCGACACTGTTGTTG	GGAGTTGAGTTGACCAGGGA

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Table S2. Primer combinations for full length gene cloning into the pDONR201 Gateway vector.

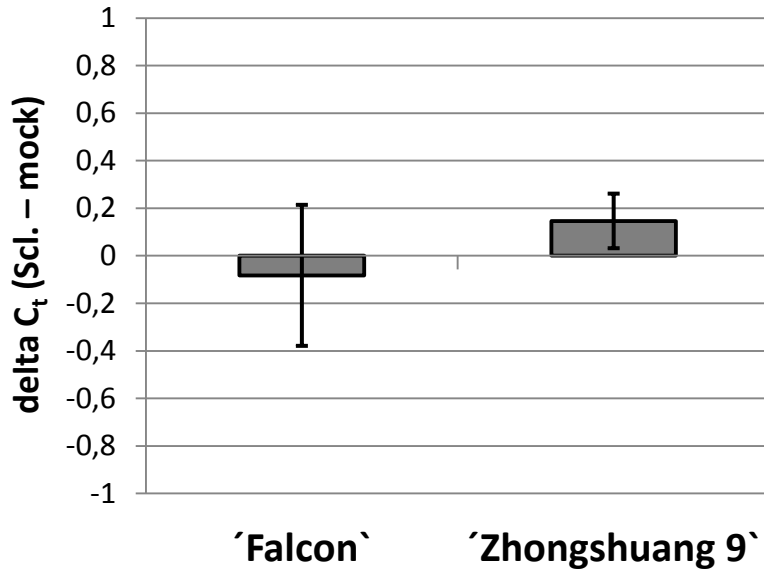|		5′ - 3′
BnGLP3	forward	GGGGACAAGTTTGTACAAAAAAGCAGGCTATGGCTTCACCAACTTCATT
	reverse	GGGGACCACTTTGTACAAGAAAGCTGGGTCTTTCTTGGGCTGGAACCTGC
BnGLP7	forward	GGGGACAAGTTTGTACAAAAAAGCAGGCTATGTTTCTTACAAAAGCTCTTC
	reverse	GGGGACCACTTTGTACAAGAAAGCTGGGTCATGTTCATTAGACATGACAG
BnGLP8	forward	GGGGACAAGTTTGTACAAAAAAGCAGGCTATGAAGATGATAATTCACAT
	reverse	GGGGACCACTTTGTACAAGAAAGCTGGGTCATCAGTTCCTCCAAGCACAC
BnGLP10	forward	GGGGACAAGTTTGTACAAAAAAGCAGGCTATGTTGCGCACTATCTTCCT
	reverse	GGGGACCACTTTGTACAAGAAAGCTGGGTCATGAGTCCCAAGTATCTTTT
BnGLP12	forward	GGGGACAAGTTTGTACAAAAAAGCAGGCTATGGCTTCTCTTTTCACATC
	reverse	GGGGACCACTTTGTACAAGAAAGCTGGGTCAACAGCAAACTTGGACTTGAG
gf2.8	forward	GGGGACAAGTTTGTACAAAAAAGCAGGCTATGGGGTACTCCAAAACCCTAGT
	reverse	GGGGACCACTTTGTACAAGAAAGCTGGGTCAAACCCAGCGGCAAACTTGGACT
GFP	forward	GGGGACAAGTTTGTACAAAAAAGCAGGCTATGGTGAGCAAGGGCGAGGA
	reverse	GGGGACCACTTTGTACAAGAAAGCTGGGTCCTTGTACAGCTCGTCCATGC

Figure S1

Figure S1. Differential transcription of the *ß-tubulin* reference gene between mock and *S. sclerotiorum* treated leaf samples of *B. napus* Falcon` and `Zhongshuang 9`. Quantitative RT-PCR was used to determine cycle threshold (C_t) values of *ß-tubulin* as a reference to normalize *BnGLP* gene transcript level in Fig. 2B and C. Shown are the differences in *ß-tubulin* C_t values between 6 h *S. sclerotiorum* and 6 h mock treatments. Columns represent the averages of four independent experiments with bars depicting corresponding standard errors.