

Table S9 4.3.2. Relative expression levels (log fold change) of defense-related genes by strains PDS1 and KA9 different treatments in chilli root tissue following rhizobacteria inoculation and pathogen challenge after 48 hours.

Defense-related genes	Relative expression levels (log fold change) Minus ddCT					
	Mock	RS	KA9+ RS	PDS1 + RS	KA9+PDS1 + RS	CC
PAL	0	2.54 ^a	3.25 ^a	3.09 ^a	3.75 ^a	4.78 ^b
POD	0	2.26 ^b	2.29 ^d	2.6 ^b	3.22 ^c	3.5 ^f
SOD	0	1.03 ^e	2.46 ^c	2.12 ^c	3.57 ^b	3.68 ^e
WRKYa	0	0.64 ^h	1.36 ^g	0.82 ^f	1.43 ^f	2.66 ⁱ
PAL1	0	1.51 ^d	0.99 ^h	1.58 ^d	1.17 ^g	5.04 ^a
DEF1	0	1.62 ^c	1.11 ^f	0.48 ^g	2.11 ^e	4.03 ^c
CAT2	0	-0.34 ^j	2.6 ^b	-0.34 ^k	0.91 ^h	3.75 ^d
WRKY40	0	-0.05 ⁱ	-0.23 ^j	0.24 ^h	0.91 ^h	1.01 ⁱ
HSFC1	0	1.08 ^f	0.24 ⁱ	-0.25 ^j	0.9 ^h	0.87 ^j
LOX2	0	-0.98 ^k	-0.93 ^k	0.04 ⁱ	0.84 ⁱ	-0.63 ^k
NPR1	0	0.93 ^g	1.63 ^e	1.22 ^e	2.84 ^d	3.13 ^g