

**Table S3.** Confirmation, in Lp19-infected grass, of select FI1 endophyte effects observed by Dupont and coworkers

ORF category (number of ORFs in category) <sup>1</sup>	No. of FI1 effects <sup>2</sup>	No. of Lp19 effects <sup>3</sup>	% of confirmed effects <sup>4</sup>	% of opposing effects <sup>5</sup>	% upregulation among significant FI1 effects <sup>6</sup>	% upregulation among significant Lp19 effects <sup>6,7</sup>
S18 Biotic stress: PR proteins (366)	176	71	9.7%	11.4%	14.2%	<b>81.7%***</b>
S18 Biotic stress: Respiratory burst (22)	10	1	0.0%	0.0%	10.0%	<b>100.0%</b>
S17 Abiotic stress: Cold (76)	27	7	18.5%	3.7%	92.6%	71.4%
S17 Abiotic stress: Drought/salt (84)	38	12	7.9%	2.6%	34.2%	<b>58.3%</b>
S17 Abiotic stress: Heat (257)	94	67	4.3%	29.8%	8.5%	<b>74.6%***</b>

<sup>1</sup> As defined by Dupont et al. (Dupont et al., 2015) in their supplementary tables S17 and S18.

<sup>2</sup> Number of ORFs for which a statistically significant FI1 endophyte effect (FDR  $P < 0.05$ )  $\geq 2x$  effect on expression was observed by Dupont et al. (Dupont et al., 2015).

<sup>3</sup> Number of ORFs for which a statistically significant Lp19 endophyte effect (FDR  $P < 0.05$ ) on expression was observed in one or more tissues and the average of all significant effects was a  $\geq 2$  alteration of expression.

<sup>4</sup> Percentage of significant FI1 effects that were supported by this work, i.e. significant (as defined in footnotes 2 and 3) upregulation or significant down regulation in both FI1 and Lp19-infected plants.

<sup>5</sup> Percentage of significant FI1 effects that were contradicted by this work, i.e. percentage of ORFs expression of which was significantly (as defined in footnote 2) increased in FI1-infected plants and significantly (as defined in footnote 3) decreased in Lp19 infected plants, or vice versa.

<sup>6</sup> Percentage of all significant (as defined in footnotes 2 and 3) effects caused by an increase of expression in endophyte-infected plants.

<sup>7</sup> Instances in which more than 50% of genes were upregulated by Lp19 while less than 50% were upregulated in response to FI1 are marked in bold. Significant differences in the percentages of genes upregulated by Lp19 and FI1 are marked (\*  $P < 10^{-17}$ ; Fisher's Exact test).