

Table S1. Reads mapping to ORFs assigned to *L. perenne* and *E. festucae* and to unassigned ORFs

Tissue ^a	Total number of read pairs (x 10 ⁶) ^b	No. of read pairs from biol. replicate 1 (x1000) mapped to ^c			No. of read pairs from biol. replicate 2 (x1000) mapped to ^c			No. of read pairs from biol. replicate 3 (x1000) mapped to ^c		
		<i>L. perenne</i> ORFs	<i>Epichloë</i> ORFs	unassigned ORFs	<i>L. perenne</i> ORFs	<i>Epichloë</i> ORFs	unassigned ORFs	<i>L. perenne</i> ORFs	<i>Epichloë</i> ORFs	unassigned ORFs
LES ⁻	47.9	11,875.0	0.2	44.2	4,616.4	0.1	16.4	6,480.8	0.1	23.7
UEL ⁻	51.2	10,254.9	0.9	31.2	8,678.1	0.2	32.5	8,379.3	0.2	31.2
SH1 ⁻	50.2	12,283.5	2.5	49.7	8,463.0	1.4	44.4	6,872.8	1.1	29.3
BL1 ⁻	39.5	6,563.2	0.5	24.0	8,664.0	0.4	36.8	6,378.0	0.2	22.4
SH2 ⁻	48.6	8,477.1	1.7	62.1	4,150.0	0.8	38.2	10,003.9	1.3	52.3
BL2 ⁻	83.1	5,844.4	0.2	28.6	6,856.4	0.3	32.4	9,781.7	0.3	42.9
R ⁻	68.9	19,794.9	3.8	116.0	5,611.8	1.0	36.6	13,814.4	3.5	89.0
LES ⁺	127.3	64,453.3	190.1	220.4	53,748.4	48.5	173.1	9,770.4	17.7	36.0
UEL ⁺	142.5	28,330.2	99.0	84.7	51,760.6	30.2	187.0	18,163.9	22.8	60.4
SH1 ⁺	103.6	30,011.7	812.0	121.3	26,092.3	1,038.6	118.1	6,542.2	255.9	30.3
BL1 ⁺	56.8	14,508.1	29.7	53.2	6,461.2	13.5	22.0	7,673.7	41.5	27.1
SH2 ⁺	86.9	17,672.4	317.2	94.2	31,054.1	713.8	244.2	4,410.7	120.4	23.8
BL2 ⁺	79.8	29,597.8	40.1	127.0	10,803.9	18.7	43.7	6,170.9	30.4	27.7
R ⁺	68.0	17,771.2	8.0	102.6	4,713.5	2.9	29.6	15,079.2	4.0	90.0

^a Tissue types are abbreviated as in footnote a and shown in Fig. 1. A minus sign (-) designates tissue from endophyte-free plants, a plus sign(+) tissue from infected plants.

^b Across all replicates.

^c Paired-end reads were mapped using Bowtie 2 default settings.