1	The herbaceous landlord: Integrating the effects of symbiont consortia within a single host
2	Supplemental Figures
3	
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22 Supplemental figures:

- **Figure S1:** Percent root length colonized by AMF and DSEs were correlated positively
- 24 (Adjusted $R^2 = 0.107$, $F_{1,153} = 19.51$, P < 0.001), indicating facilitation rather than competition.
- 25 See also Fig. 4 for SEM results.



27 Figure S2: There was a negative correlation between DSE root length colonized and plant

biomass, but only in the absence of *Epichloë* infection (E+ Adjusted $R^2 = 0.029$, $F_{1,54} = 2.644$, P

29 = 0.110; E- R^2 = 0.053, $F_{1,97}$ = 6.437, P = 0.013). See also Fig. 4 for SEM results.



DSE colonization

Figure S3: DSE colonization decreased as more water was available to plants (Adjusted $R^2 = 0.107, F_{1, 153} = 19.5, P < 0.001$). See also Fig. 4 for SEM results.



Inverse log of ave. matric potential

- 34 Figure S4-S9: Neither AMF colonization nor proportion of plants hosting *Epichloë* varied
- 35 significantly with measured edaphic conditions (soil moisture, soil temperature, soil N:P ratios).
- 36 See also Fig. 4 for SEM results.
- 37
- 38 Figure S4



Inverse log of ave. matric potential











- 50 Figure S10: There was effect of *Epichloë* presence on plant fitness as measured by aboveground
- 51 biomass.



- 53 Figure S11: There was effect of AMF colonization on plant fitness as measured by aboveground
- 54 biomass.



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Figure S12: Overall SEMs for *Bromus hordeaceus*, with different models for those plants without *Epichloë* endophytes (A: E–, blue), and those with *Epichloë* endophytes (B: E+, red). Model fit was good for both models, though the low sample size for the E+ may potentially pose issues with interpretation (A: $\chi^2 = 2.588$, P = 0.274; CFI = 1.000; RMSEA = 0.000; n= 83 | B: χ^2 = 4.601, P = 0.100; CFI = 1.000; RMSEA = 0.000; n = 19). The numbers above the arrows are the standardized path coefficients. Non-significant (P > 0.05) path coefficients are not shown. Numbers in the boxes are total explained variance (R^2) of each variable.

