# **Supplementary figure**



**Fig. S1.** Meteorological data. Monthly weighted averages from January to December/2015 at *Matas de Minas* region. A) air temperature and relative humidity; and B) rainfall and potential evapotranspiration (ET0). Data compiled from three meteorological station: Caparaó (83639-Station Number), Caratinga (83592-Station Number), and Viçosa (83642-Station Number) from the *Matas de Minas* region. Database source: INMET-Brazil.

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**Fig. S2.** The first two axes of a principal component (PC) analysis for coffee cup quality and morphoanatomical leaf features. Subplots are shown contributions of variables to PC. Total quality (TCQC), Stomata density (SD, *n mm-2*), Leaf mass per area (LMA, *g m-2*), Venation density area (VD, *mm mm-2*), Petiole area, cross section (PTA, *mm-2*), Petiole vascular tissue area, cross section (PVA, *mm-2*), Petiole parenchyma area, cross section (PPA, *mm-2*), Petiole xylem area, cross section (PXA, *mm-2*), Petiole phloem area, cross section (PPhA, *mm-2*), Leaf blade thickness (LBT, *μm*), Epidermis, adaxial face (AdET, *μm*), Palisade parenchyma (PPT, *μm*), Lacunar (spongy) parenchyma (SPT, *μm*), and Epidermis, abaxial face (AbET, *μm*).