



Figure S17 Unfolded site-frequency spectra across sample coverage classes using *Pinus lambertiana* as the outgroup. Counts were standardized by θ for ease of comparison across sample coverage classes. Goodness-of-fit tests to the expected distribution reveal that all spectra deviate from neutral expectations (class 18: $\chi^2 = 163.05$, $P < 2.20e-16$; class 17: $\chi^2 = 136.63$, $P < 2.20e-16$; class 16: $\chi^2 = 70.18$, $P = 1.79e-09$; class 15: $\chi^2 = 115.33$, $P < 2.20e-16$; class 14: $\chi^2 = 37.75$, $P = 1.68e-4$; class 13: $\chi^2 = 24.80$, $P = 9.75e-3$; class 12: $\chi^2 = 28.78$, $P = 1.35e-03$; class 11: $\chi^2 = 20.98$, $P = 0.01$). The degrees of freedom for each test are the number of bins on the x-axis minus one.