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Abstract. TEXT

1 Introduction

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(Craig et al., 1997) (Booth et al., 2012) (Booth et al., 2013) (Huntingford et al., 2009) (Sellers et al., 1996) (Abramowitz, 2012) (Luo et al., 2012) (Williamson et al., 2014) (Kennedy and O'Hagan, 2001) (Brynjarsdóttir and O'Hagan, 2014) (Higdon et al., 2008) (Jones et al., 2005) (Smith et al., 2008) (Gordon et al., 2000) (Pope et al., 2000) (Cox, 2001) (Smith, 2012) (Williams et al., 2013) (Williams et al., 2014) (Gnanadesikan and Stouffer, 2006) (McKay et al., 1979) (Urban and Fricker, 2010) (Gregoire et al., 2010) (Loveland et al., 2000) (Roustant et al., 2012) (R Core Team, 2016) (Vernon et al., 2010) (Lee et al., 2016) (Williamson et al., 2013) (Ritz et al., 2015) (McNeall et al., 2013) (Pukelsheim, 1994) (Carslaw et al., 2013) (Saltelli et al., 1999) (Pujol et al., 2015) (Cox et al., 2004) (Good et al., 2008) (Joetzjer et al., 2013) (Staver et al., 2011) (Malhi et al., 2009) (Yin et al., 2012)

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3 Conclusions

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5 Appendix A

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Author contributions. TEXT
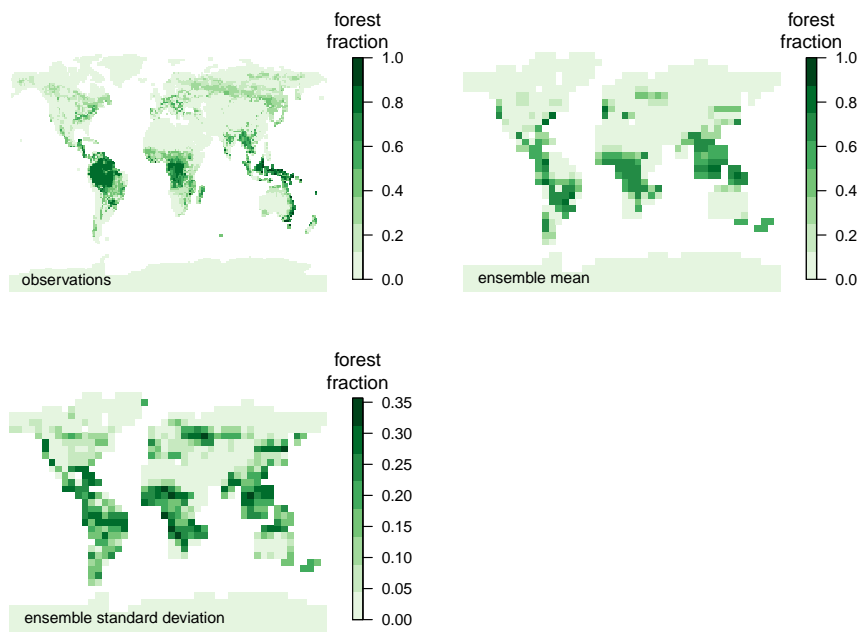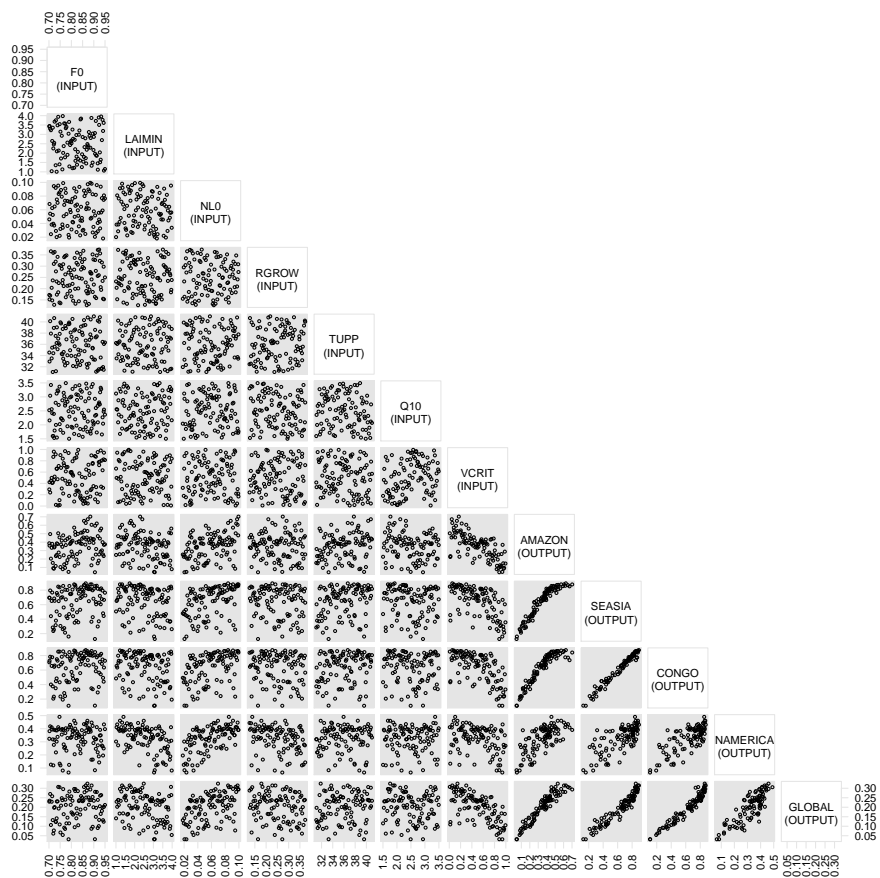
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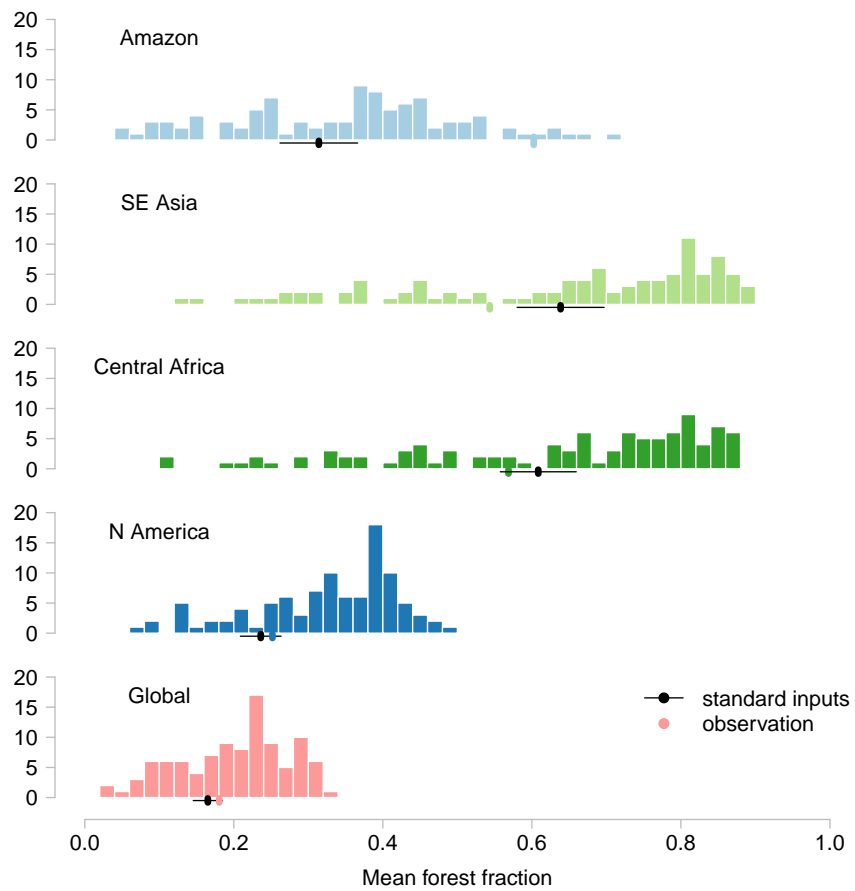
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forest fraction
1.0
0.8
0.6
0.4
0.2
0.0

observations

forest fraction
1.0
0.8
0.6
0.4
0.2
0.0

ensemble mean

forest fraction
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0.25
0.20
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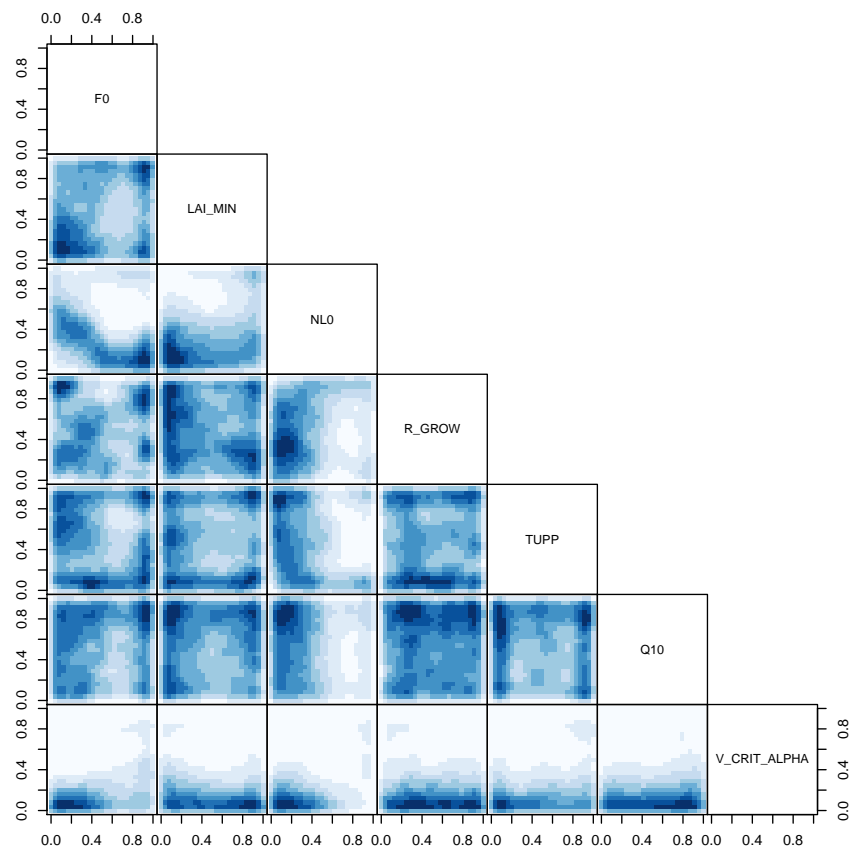0.00

ensemble standard deviation

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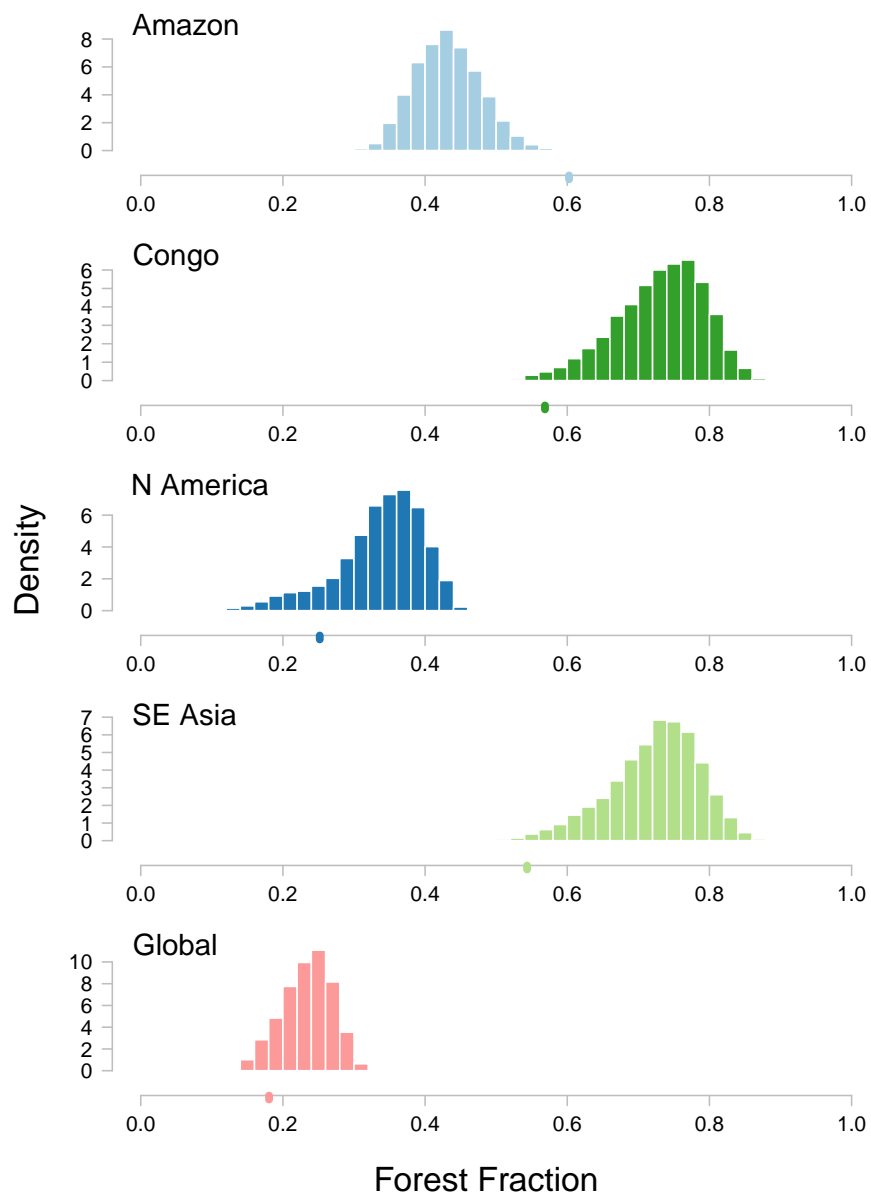
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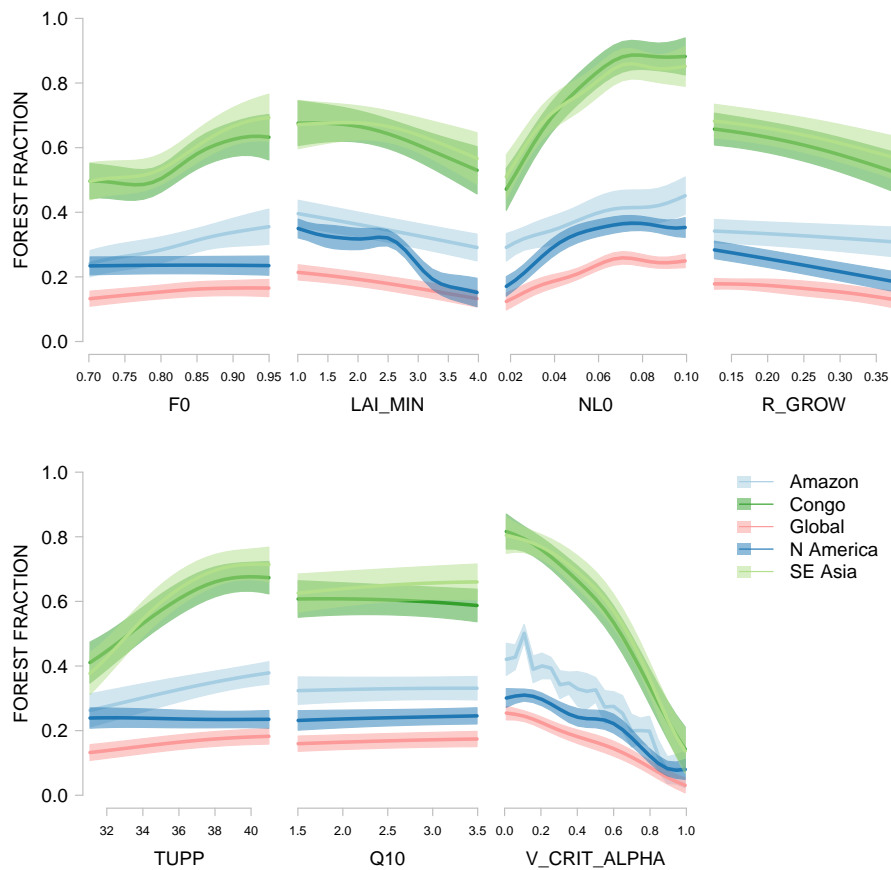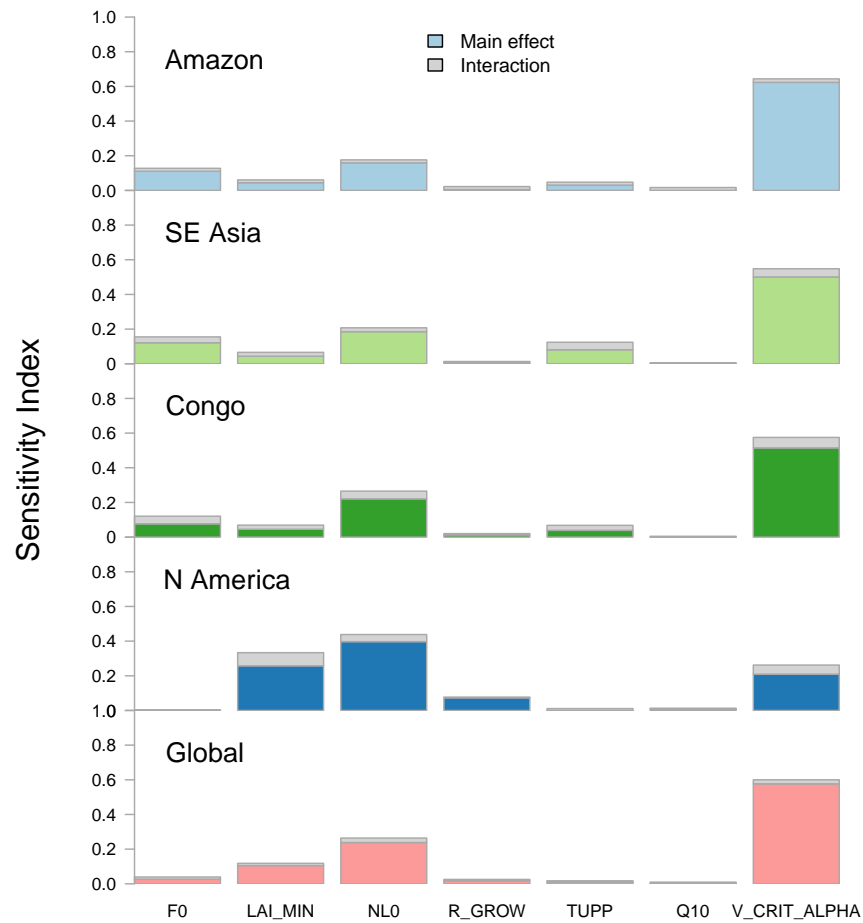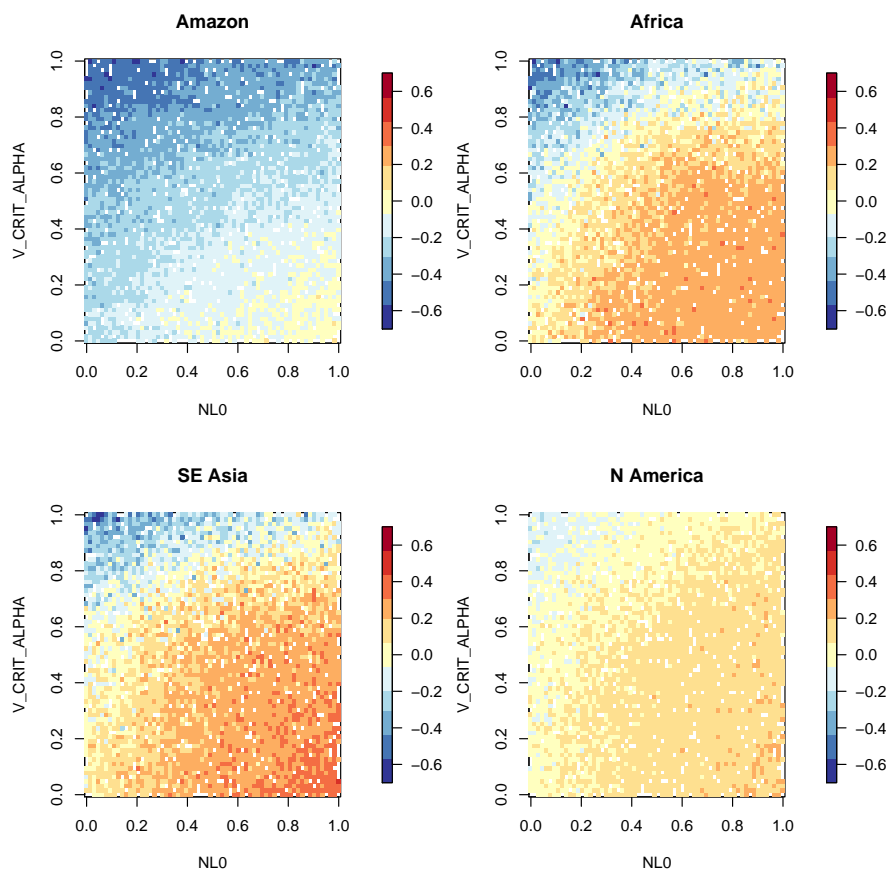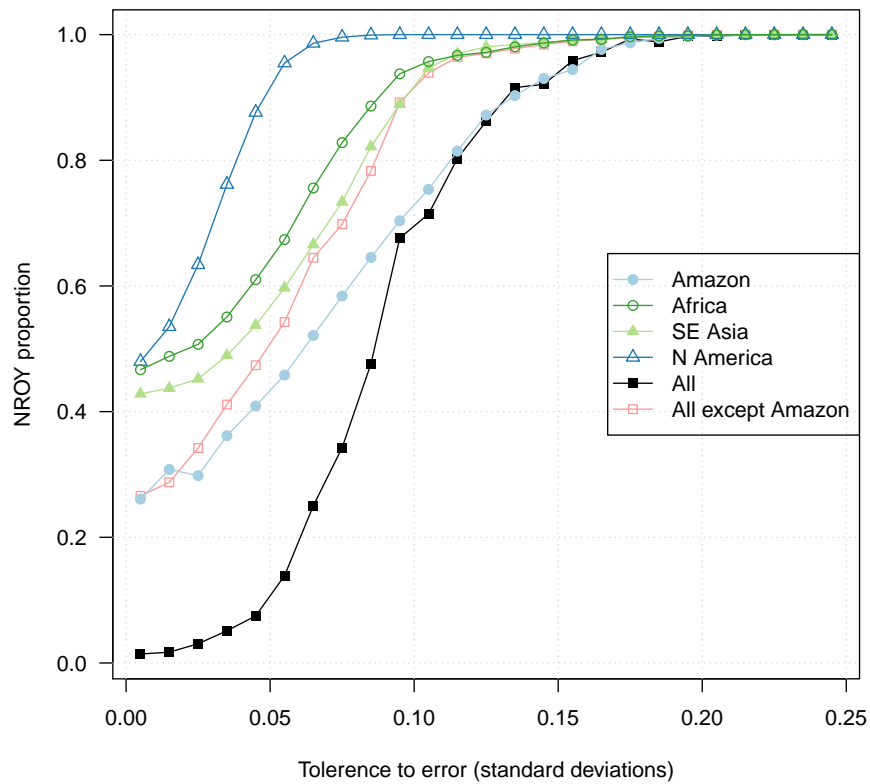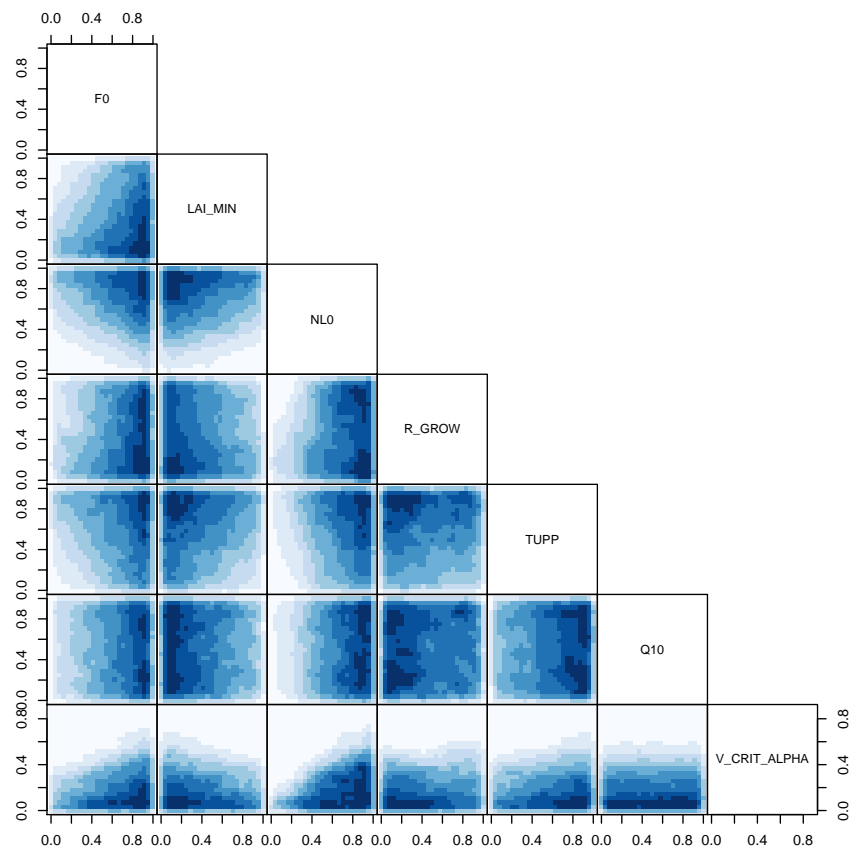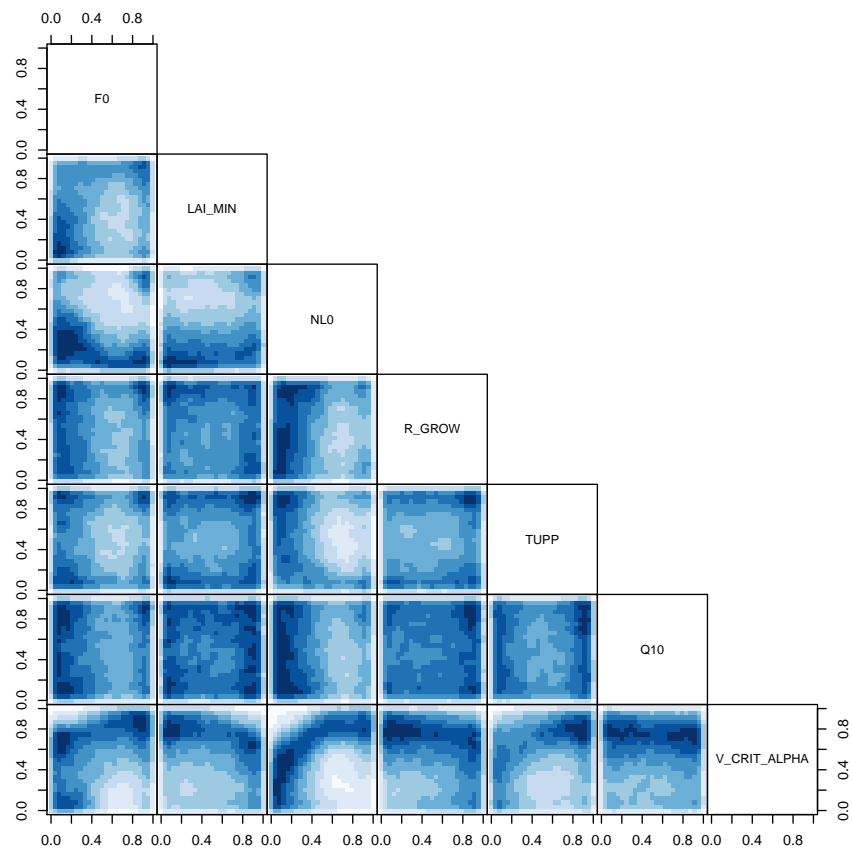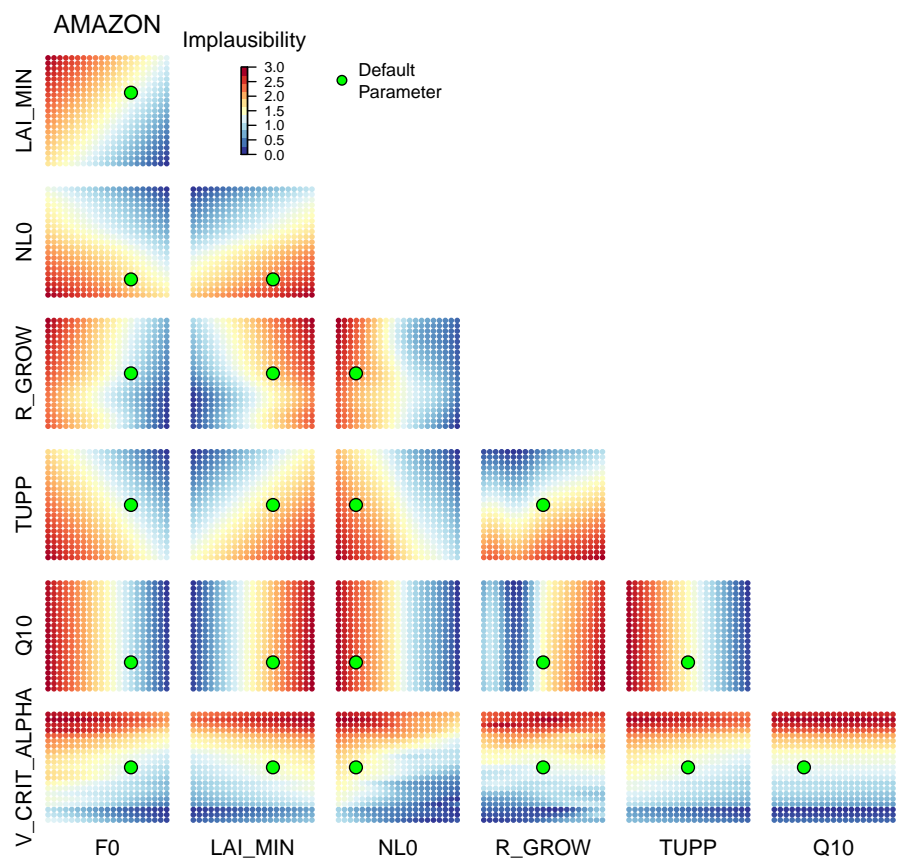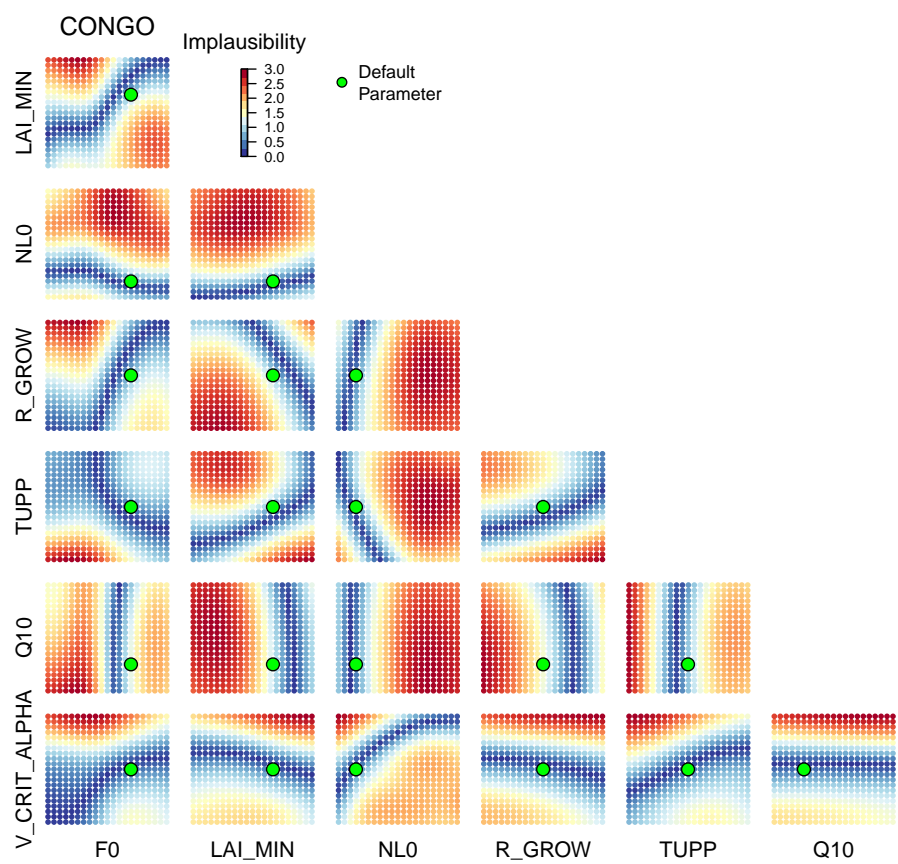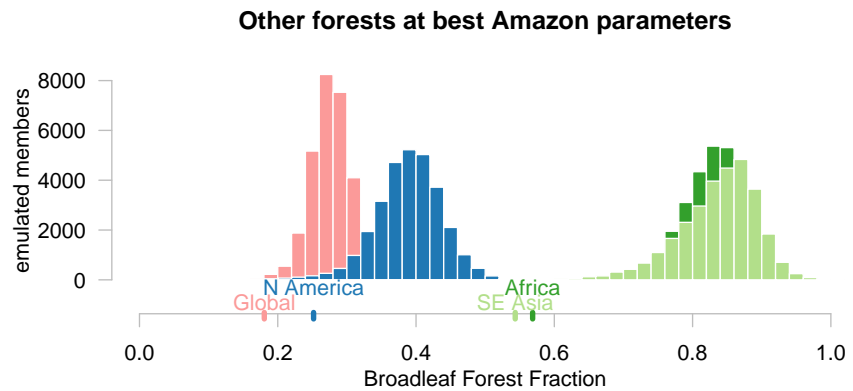**Figure 8.** TEXT

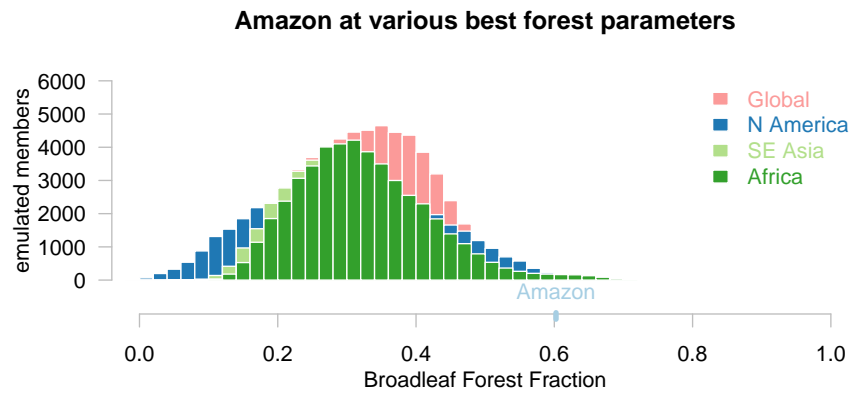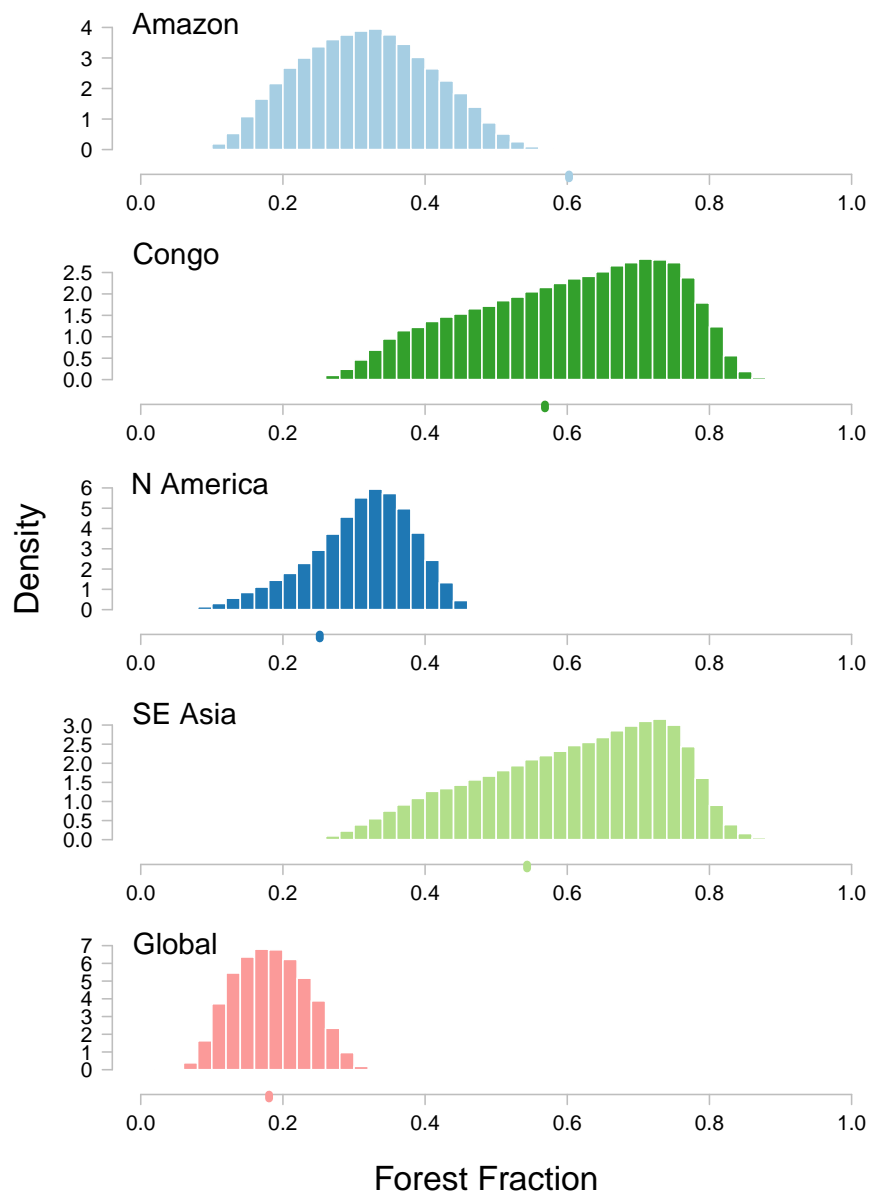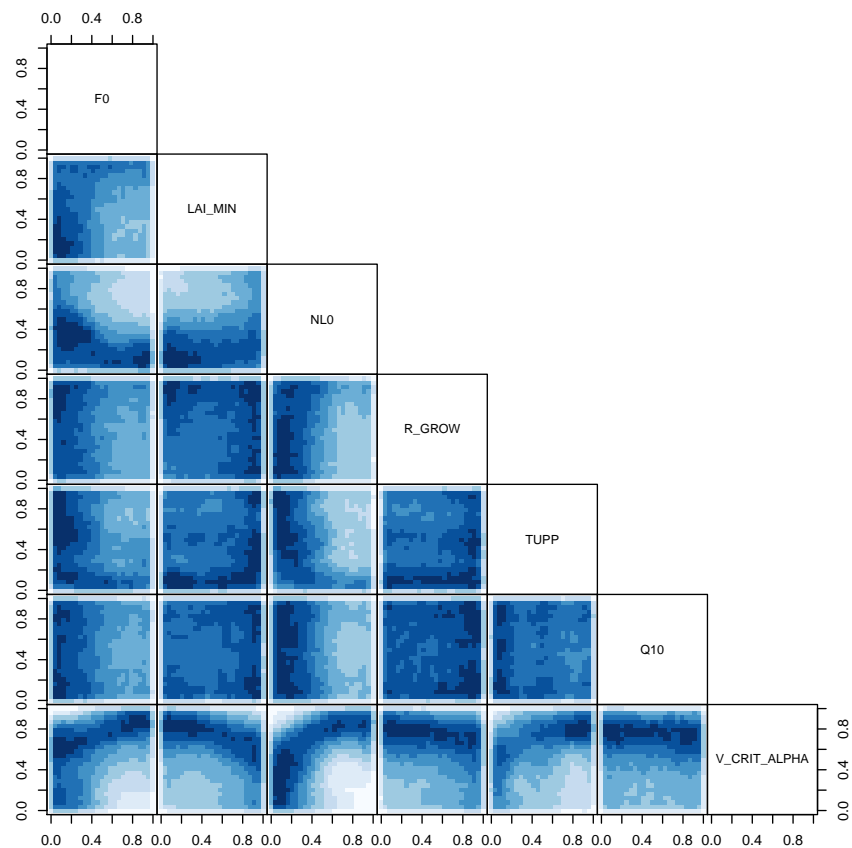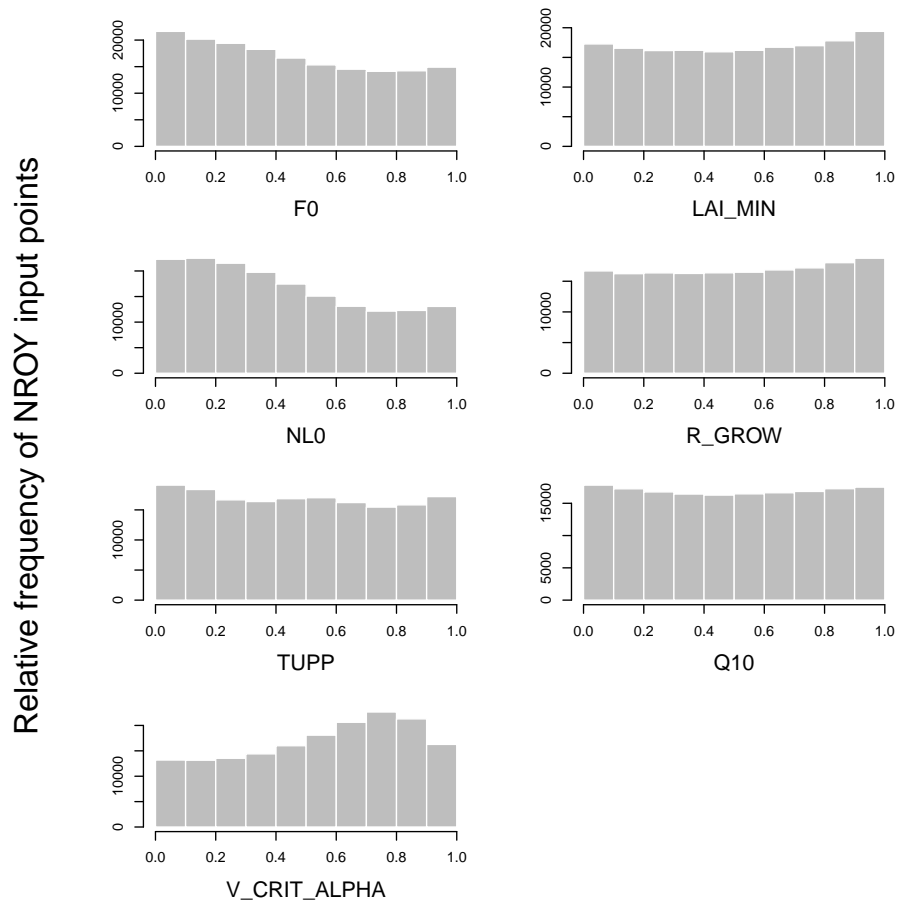**Figure 9.** TEXT

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Figure 13. TEXT

Amazon at various best forest parameters

Legend: Global, N America, SE Asia, Africa

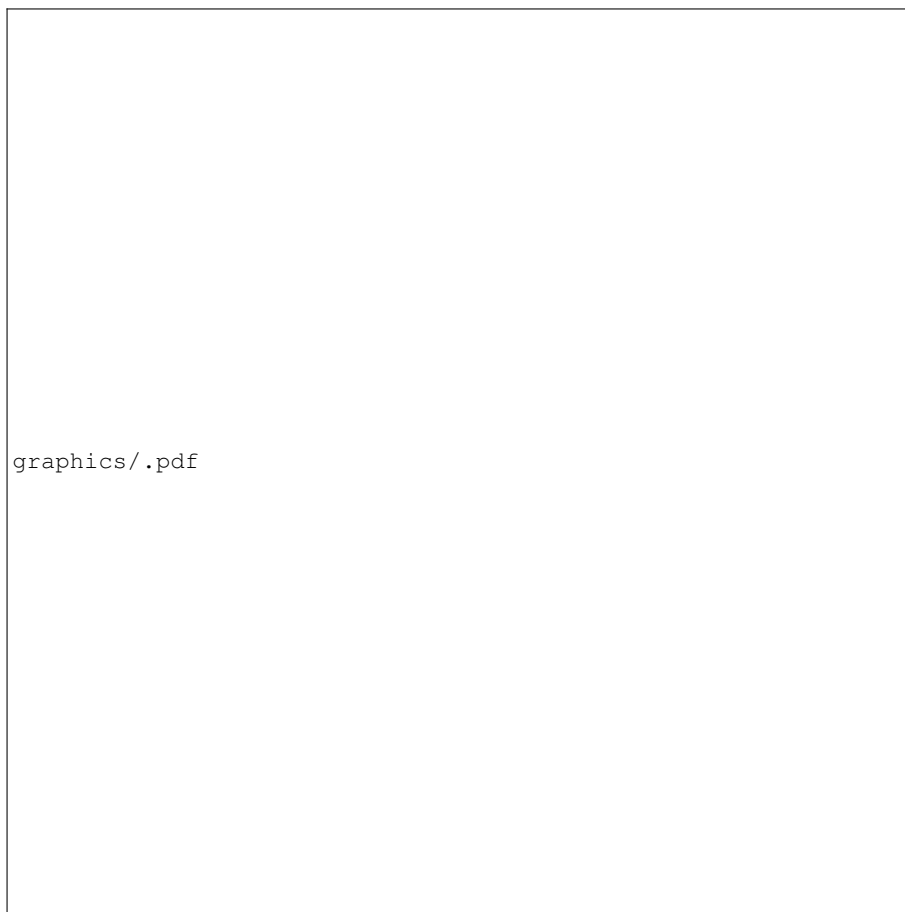**Other forests at best Amazon parameters**

Figure 14. TEXT

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