

PGI - Fitted - Thinning factor 1 duantiles 0.1 Method 1.2 0.65 - bulk Relative ESS 9.0 8.0 9.0 tail Rank Plot ම් 0.8 6.0 ESS Relative 7 Relative I 0.2 0.45 500 1000 2000 4000 4000 0 2000 0.2 0.6 8.0 8.0 1.0 0.0 0.6 Rank (all chains) Quantile Quantile Total number of draws PGI - Fitted - Thinning factor 10 dnantiles 1.0 Method 1.2 0.65 • bulk **→** tail Rank Plot ව<u>්</u> 0.8 6.0 ESS Relative 7.0 elative 5.0 Relative I 0.2 0.40 0.0 0.0 1000 2000 500 4000 0.2 8.0 1.0 0.0 0.2 8.0 1.0 2000 4000 0.6 0.6 0 0.4 0 0.0 0.4 Quantile Total number of draws Rank (all chains) Quantile PGI - Fitted - Thinning factor 100 dnantiles Method 0.7 1.2 • bulk Relative ESS 9.0 8.0 9.4 🕶 tail Trace Plot 5.0 Rank Plot ESS for 9.0 8.0 Relative 0.2 0.2 500 1000 2000 4000 2000 4000 8.0 0.2 8.0 0.0 0.2 0.6 1.0 0 0 0.0 0.6 1.0 Rank (all chains) Quantile Quantile Total number of draws PGI - Fitted - Thinning factor 1000 dnantiles 1.0 Method 0.45 1.2 bulk 0.44 Lace Plot 24.0 Lace P Plot Relative ESS for 8.0 Rank 0.6 0.41 0.2 0.2 0.0 + 0.0 0.0 1000 2000 0.4 0.6 Quantile 500 4000 0.4 0.6 Quantile 2000 0.2 8.0 1.0 0.2 8.0 1.0 4000 0 0.0 Rank (all chains) Total number of draws

PGI - Fitted - Thinning factor 1 dnantiles Method 0.7 1.2 - bulk Relative ESS 9.0 8.0 9.0 tail Trace Plot 5.0 Rank Plot ම් 0.8 6.0 ESS Relative 7 0.2 0.4 0.0 1000 2000 500 4000 0.6 0.6 8.0 2000 4000 0 1.0 0.2 8.0 0.2 0.0 Quantile Quantile Rank (all chains) Total number of draws PGI - Fitted - Thinning factor 10 dnantiles 1.0 Method 0.65 1.2 - bulk 🕶 tail 0.60 Trace Plot 0.5.0 Rank Plot ව<u>්</u> 0.8 6.0 ESS Relative 7.0 elative 5.0 0.45 0.2 0.40 0.0 0.0 1000 2000 4000 2000 500 0.2 0.6 8.0 1.0 0.2 0.6 8.0 1.0 4000 0 0.0 0.4 0.4 0 Rank (all chains) Quantile Quantile Total number of draws PGI - Fitted - Thinning factor 100 dnantiles Method 0.65 1.2 • bulk Relative ESS 9.0 8.0 9.1 Trace Blot 22.0 05.0 • tail Rank Plot ESS for 9.0 9.0 9.0 elative 0.2 0.45 0.2 0.40 0.0 + 0.0 1000 2000 500 4000 0.2 8.0 2000 4000 8.0 0.6 0.4 1.0 0 0.0 0.2 0.6 1.0 Quantile Quantile Rank (all chains) Total number of draws PGI - Fitted - Thinning factor 1000 dnantiles 1.2 0.44 Relative ESS 9.0 8.0 9.1 Trace Plot 0.42 Plot Relative ESS for 5.0 9.0 8.0 8.0 Rank Method bulk 0.2 0.38 0.0 + 0.0 0.0 1000 2000 4000 0.4 0.6 Quantile 2000 500 0.2 8.0 1.0 0.2 8.0 1.0 0.4 0.6 0.4 4000 0 0.0 Rank (all chains) Quantile Total number of draws

PGI - Fitted - Thinning factor 1 dnantiles Method 0.45 1.2 - bulk Relative ESS 9.0 6.1 9.0 6.1 tail Trace Plot E4.0 E4.0 Rank Plot ම් 0.8 6.0 ESS Relative I 0.42 Relative F 0.2 0.41 0.0 2000 500 1000 4000 4000 0 2000 0.2 0.6 8.0 8.0 1.0 0 0.0 Rank (all chains) Quantile Quantile Total number of draws PGI - Fitted - Thinning factor 10 ESS for small intervals 0 0 0 0 1 4 9 8 0 1 5 4 dnantiles 1.0 Method 0.45 1.2 - bulk Relative ESS 9.0 6.1 9.0 6.1 🕶 tail Lace Bot 0.44 0.43 Rank Plot ව<u>්</u> 0.8 6.0 ESS Relative 2.0 Relative E 2.0 0.0 0.2 0.42 0.0 1000 2000 4000 500 0.2 0.6 8.0 1.0 2000 4000 0.6 8.0 1.0 0.2 0 0.0 0.4 0.4 0 Quantile Rank (all chains) Quantile Total number of draws PGI - Fitted - Thinning factor 100 r small intervals 0.1 1.0 8.0 dnantiles Method 0.7 1.2 • bulk 🕶 tail Trace Plot 5.0 Rank Plot ون 8.0 ور 6.0 ESS 1000 2000 500 4000 2000 4000 8.0 0.2 8.0 1.0 0 0 0.0 0.2 0.6 Quantile Quantile Total number of draws Rank (all chains) PGI - Fitted - Thinning factor 1000 small intervals 0.0 8.0 8.0 dnantiles 1.0 1.2 0.65 Relative ESS 9.0 8.0 9.1 Trace Plot 05.0 05.0 Rank Plot Relative ESS for s
0 0 0 0
0 0 0 0 Method 0.45 bulk 0.2 0.40 0.0 + 0.0 0.0 1000 2000 4000 2000 500 0.2 8.0 1.0 0.2 8.0 1.0 0.4 0.6 0.4 0.6 4000 0 0.0 Rank (all chains) Quantile Quantile Total number of draws

