PGI - Fitted - Thinning factor 1 small intervals 0.0 8.0 duantiles 1.0 Method 1.2 • bulk 0.39 tail Trace Plot 0.32 Rank Plot ور 8.0 ور ۇ _{0.6} 6.0 ESS ESS3 .4 Relative – 0.4 Relative I 0.36 0.2 0.0 1000 2000 500 4000 0.6 8.0 8.0 4000 2000 0 0.2 1.0 0.6 1.0 0.0 0.4 0.0 Rank (all chains) Quantile Quantile Total number of draws PGI - Fitted - Thinning factor 10 small intervals 0.1 8.0 dnantiles 1.2 Method 1.2 0.7 - bulk Relative ESS 0.0 0.0 0.0 0.1 0.0 0.0 0.1 **→** tail Trace Plot 9.0 9.0 Rank Plot 8.0 و ESS for 6.0 6.0 6.0 6.0 ESS Relative 0.2 Relative F 0.4 0.2 0.0 0.0 2000 500 1000 4000 0.2 0.6 8.0 1.0 0.2 0.6 8.0 1.0 2000 4000 0.4 0 0.0 0.4 0.0 0 Quantile Quantile Rank (all chains) Total number of draws PGI - Fitted - Thinning factor 100 small intervals 0.1 8.0 8.0 dnantiles 1.0 Method 0.9 1.2 • bulk 8.0 Relative ESS 9.0 0.0 9.0 0.1 • tail Trace Plot 9.0 9.0 Rank Plot 8.0 ල් ر أو 0.6 ا 6.0 ESS Relative ESS 1 0 0 0 0 0 0 0 0 Relative 7.0 0.4 0.5 0.2 0.0 0.0 0.0 500 1000 2000 2000 4000 0.2 8.0 4000 0.0 8.0 1.0 0.6 1.0 0.2 0.6 Quantile Rank (all chains) Quantile Total number of draws PGI - Fitted - Thinning factor 1000 small intervals 0.0 8.0 dnantiles 1.0 Method 0.395 1.2 bulk Relative ESS 0.0 0.0 0.0 0.1 0.0 0.0 0.1 Trace Plot 285.0 285.0 Rank Plot ESS for 6 رة _{0.6} ه Relative ESS f Relative F 0.380 0.2 0.0 + 0.0 0.375 0.0 2000 0.4 0.6 Quantile 0.4 0.6 Quantile 500 1000 2000 0.2 8.0 1.0 0.2 8.0 1.0 4000 4000 0.4 0.4 0 Total number of draws Rank (all chains)

PGI - Fitted - Thinning factor 1 dnantiles Method 0.7 1.2 - bulk Relative ESS 9.0 6.1 9.0 6.1 tail Trace Plot 9.0 9.0 Rank Plot <u>ව</u> 0.8 6.0 ESS Relative I Relative F 0.2 0.4 0.0 2000 500 1000 4000 0.6 8.0 2000 4000 0 0.6 1.0 0.2 8.0 0.2 0.0 Rank (all chains) Quantile Quantile Total number of draws PGI - Fitted - Thinning factor 10 r small intervals 0.1 0.8 dnantiles 1.0 Method 0.7 1.2 • bulk **→** tail Trace Plot 9.0 9.0 Rank Plot ۇ 8.0 ئۇ Relative ESS for s 0 0 0 0 0 00 0 0 0 6.0 ESS Relative 2.0 0.2 0.4 0.0 0.0 1000 2000 500 4000 0.2 0.6 8.0 0.2 8.0 1.0 2000 4000 0.4 1.0 0.6 0 0.0 0 0.0 0.4 Rank (all chains) Quantile Quantile Total number of draws PGI - Fitted - Thinning factor 100 r small intervals 0.1 1.0 8.0 dnantiles 0.45 Method 1.2 • bulk Relative ESS 9.0 8.0 9.0 • tail Trace Plot 24.0 24.0 Rank Plot ESS for 9.0 8.0 Relative ESS for s elative 0.41 0.2 0.2 500 1000 2000 4000 8.0 2000 4000 8.0 0.0 0.2 1.0 0 0 0.0 0.2 0.6 1.0 0.6 Rank (all chains) Quantile Quantile Total number of draws PGI - Fitted - Thinning factor 1000 dnantiles 1.0 Method 1.2 bulk Relative ESS 9.0 9.0 9.0 Trace Plot 84.0 Plot ESS for 8.0 Rank 0.6 0.42 Relative 0.4 0.2 0.2 0.41 0.0 + 0.0 0.0 1000 500 2000 4000 0.00.4 0.6 Quantile 0.4 0.6 Quantile 2000 0.2 8.0 1.0 0.2 8.0 1.0 4000 0.4 0 Rank (all chains) Total number of draws





