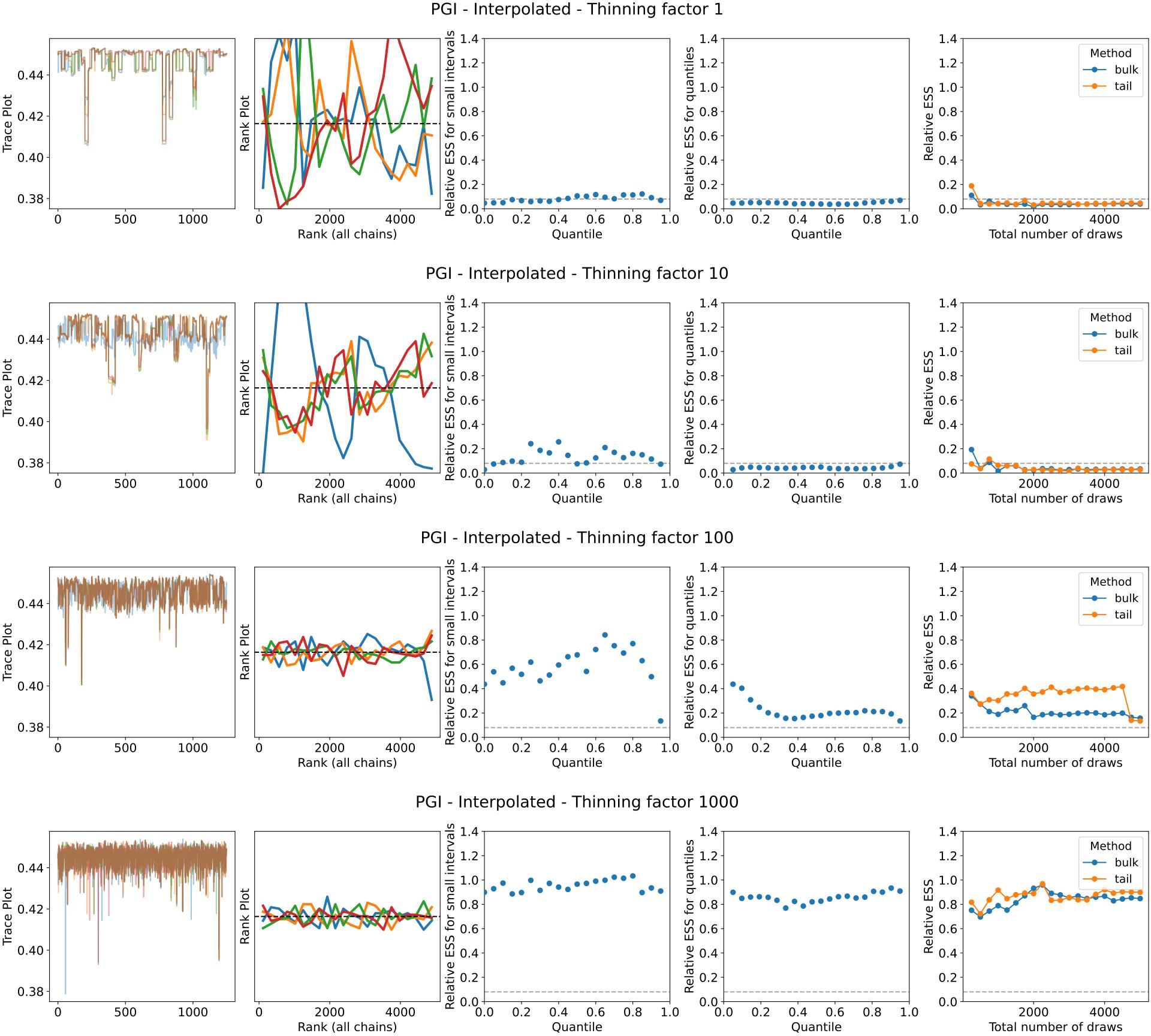
PGI - Consensus - Thinning factor 1 small intervals 0.1 8.0 8.0 for duantiles 1.0 0.8 0.8 Method 0.9 1.2 - bulk 0.8 Relative ESS 9.0 9.0 9.0 tail Trace Plot 9.0 Rank Plot و 0.6 ESS O S O 0.5 Relative I 0.2 0.4 0.0 500 1000 2000 4000 0.6 1.0 0.6 8.0 2000 4000 0 0.2 0.8 0.0 0.0 Rank (all chains) Quantile Quantile Total number of draws PGI - Consensus - Thinning factor 10 Method 0.9 1.2 • bulk 8.0 Relative ESS 9.0 9.0 9.0 🕶 tail Trace Plot 9.0 9.0 Rank Plot أ 0.6 ESS 0.4 0.5 Relative F 0.2 0.4 0.0 0.0 2000 500 1000 2000 4000 0.2 0.6 8.0 0.6 8.0 4000 0.4 0.2 0.0 0.0 1.0 0 1.0 0.4 0 Quantile Rank (all chains) Quantile Total number of draws PGI - Consensus - Thinning factor 100 1.4 dnautiles 1.0 Method 0.9 1.2 • bulk Relative ESS 9.0 8.0 9.1 8.0 • tail Trace Plot 9.0 9.0 Rank Plot ESS for 6 رة 0.6 Relative ESS 1 Relative 0.4 0.0 + 0.0 0.0 500 1000 2000 2000 4000 0.2 0.6 8.0 4000 8.0 1.0 0.2 0.0 0.6 0.4 1.0 0 Rank (all chains) Quantile Quantile Total number of draws PGI - Consensus - Thinning factor 1000 small intervals 0.1 8.0 8.0 Method 0.9 1.2 • bulk 8.0 Trace Plot 9.0 Rank Plot رِ 0.6 أ Relative ESS f 0.5 0.2 0.4 0.0 + 0.0 0.0 2000 0.4 0.6 Quantile 500 1000 4000 2000 0.2 0.6 8.0 1.0 8.0 1.0 4000 0.4 0.4 0 0.2 Rank (all chains) Quantile Total number of draws

PGI - Derived - Thinning factor 1 small intervals 1.0 8.0 8.0 Method 0.7 1.2 • bulk Relative ESS 9.0 9.0 9.0 tail Trace Plot 0.0 5.0 Rank Plot و 0.6 ESS O S O Relative I 0.2 0.4 0.0 500 1000 2000 4000 0.6 0.6 8.0 2000 4000 0.2 0.8 1.0 0.0 0.0 Rank (all chains) Quantile Quantile Total number of draws PGI - Derived - Thinning factor 10 Method 0.7 1.2 - bulk Relative ESS 9.0 8.0 9.1 **→** tail Trace Plot 0.0 5.0 Rank Plot ှင် <sub>0.6</sub>၂ ESS 0.4 Relative E 0.2 0.4 0.0 0.0 500 1000 2000 4000 0.2 0.6 8.0 8.0 2000 4000 0.6 0.0 0.4 0.0 0.2 1.0 0 1.0 0.4 0 Quantile Quantile Rank (all chains) Total number of draws PGI - Derived - Thinning factor 100 small intervals 1.4 Method 0.7 1.2 • bulk Relative ESS 9.0 8.0 9.4 • tail Trace Plot 2.0 9.0 Rank Plot ۇ <sub>0.6</sub> Relative ESS 1 Relative 0.2 0.2 0.0 500 1000 2000 2000 4000 0.2 4000 8.0 1.0 0.0 0.2 8.0 0.0 0.6 0 0.6 Rank (all chains) Quantile Quantile Total number of draws PGI - Derived - Thinning factor 1000 S for small intervals 0 0 1 1 1 9 8 0 7 7 Method 0.7 1.2 • bulk Relative ESS 9.0 6.1 8.0 9.0 4.0 Trace Plot 0.0 5.0 Rank Plot Relative ESS f Relative F 0.2 0.4 0.0 + 0.0 0.0 2000 0.4 0.6 Quantile 2000 4000 Total number of draws 500 1000 4000 0.2 0.6 8.0 1.0 0.2 8.0 1.0 0.4 0 Rank (all chains) Quantile



PGI - Fitted - Thinning factor 1 small intervals 0.1 8.0 8.0 for duantiles 1.0 0.8 0.8 Method 0.7 1.2 - bulk Relative ESS 9.0 9.0 9.0 tail Trace Plot 9.0 9.0 Rank Plot Relative ESS f 7.0 0.0 0.0 0.0 و 0.6 ESS - 4 Relative I 0.2 0.4 0.0 0.0 2000 8.0 500 1000 4000 0.6 0.6 2000 4000 0 0.2 0.8 1.0 0.2 1.0 0.0 0.0 Quantile Quantile Rank (all chains) Total number of draws PGI - Fitted - Thinning factor 10 small intervals 0.1 8.0 Method 0.7 1.2 • bulk Relative ESS 9.0 8.0 9.1 **→** tail Trace Plot 9.0 Rank Plot 9.0 for ESS 0.4 Relative I 0.2 0.4 0.0 0.0 500 1000 2000 4000 0.0 0.2 0.6 8.0 8.0 2000 4000 1.0 0.2 0.6 1.0 0.4 0.0 0.4 0 0 Quantile Quantile Rank (all chains) Total number of draws PGI - Fitted - Thinning factor 100 1.4 Method 0.7 1.2 • bulk Relative ESS 9.0 8.0 9.4 – tail Trace Plot 9.0 Rank Plot ر 0.6 أ Relative ESS 1 0 0 0 0 0 0 0 0 Relative 7 0.4 0.0 + 0.0 0.0 500 1000 2000 2000 4000 0.6 8.0 4000 8.0 1.0 0.2 0.0 1.0 0 0.2 0.6 0.4 Rank (all chains) Quantile Quantile Total number of draws PGI - Fitted - Thinning factor 1000 small intervals 8.0 1.4 8.0 8.0 Method 0.7 1.2 bulk Relative ESS 9.0 8.0 9.1 Trace Plot 9.0 9.0 Plot ر کو 0.6 Relative ESS f 0.2 0.4 0.0 + 0.0 0.0 2000 0.4 0.6 Quantile 500 1000 4000 2000 0.2 0.6 0.2 8.0 1.0 4000 0.4 8.0 1.0 0 Rank (all chains) Quantile Total number of draws

PGI - ScaledConsensus - Thinning factor 1 small intervals 0.1 8.0 0.40 dnantiles Method 1.2 • bulk Relative ESS 9.0 6.1 9.0 6.1 0.35 tail Trace Plot 0.0 0.0 Rank Plot 8.0 وَ ESS for 8 0.6 0.4 6.0 ESS Relative 7.0 0.25 Relative I 0.2 0.0 1000 2000 500 4000 0.6 8.0 2000 4000 0 1.0 0.2 0.2 0 0.0 0.6 8.0 Quantile Rank (all chains) Quantile Total number of draws PGI - ScaledConsensus - Thinning factor 10 ESS for small intervals 0 0 0 0 1 4 9 8 0 1 5 4 0.40 dnantiles 1.0 Method 1.2 • bulk 0.35 🗕 tail Trace Plot 0E:0 Rank Plot 6.0 ESS Relative 7.0 elative 2.0 0.25 Relative I 0.2 0.0 2000 2000 500 1000 4000 0.2 8.0 8.0 1.0 4000 0.6 0.2 0.6 1.0 0 0.0 0.4 0.4 0 Quantile Total number of draws Rank (all chains) Quantile PGI - ScaledConsensus - Thinning factor 100 small intervals 0.1 8.0 0.40 dnantiles Method 1.2 • bulk Relative ESS 9.0 9.0 4.0 0.35 — tail Trace Plot 0E.0 Rank Plot ESS for 9.0 8.0 Relative ESS for s 0 0 0 0 0 0 0 0 0 0 Relative 0.2 0.25 0.2 500 1000 2000 2000 4000 8.0 4000 8.0 0.0 0.2 0.6 1.0 0 0 0.0 0.2 0.6 1.0 Quantile Quantile Total number of draws Rank (all chains) PGI - ScaledConsensus - Thinning factor 1000 0.40 dnantiles 1.0 Method 1.2 bulk 0.35 Trace Plot 0.0 0.0 Rank Plot 8.0 Relative ESS for 0.6 0.25 0.2 0.2 0.0 + 0.0 0.0 1000 2000 500 4000 0.4 0.6 Quantile 2000 0.2 8.0 1.0 0.2 8.0 1.0 4000 0.4 0.6 0.4 0 0.0 Rank (all chains) Quantile Total number of draws