AKGMALtm - Fitted - Thinning factor 1 small intervals 0.1 8.0 dnantiles Method 1.7 1.2 - bulk Relative ESS 9.0 6.1 9.0 6.1 tail Trace Plot 1.5 Rank Plot <u>ව</u> 0.8 ESS for 6.0 4.0 6.0 ESS Relative F.0 2.0 Relative I 0.2 1.4 0.0 1000 2000 500 4000 0.6 8.0 2000 4000 0 0 0.2 8.0 1.0 0.6 0.0 0.0 Rank (all chains) Quantile Quantile Total number of draws AKGMALtm - Fitted - Thinning factor 10 dnantiles Method 1.70 1.2 • bulk 1.65 🗕 tail Trace Plot 1.60 1.55 Rank Plot ව් 0.8 Relative ESS f 1.50 Relative E 0.2 1.45 0.0 0.0 1000 2000 500 4000 0.2 8.0 1.0 2000 4000 0.6 8.0 1.0 0.2 0.6 0 0 0.0 0.4 0.0 0.4 Rank (all chains) Quantile Quantile Total number of draws AKGMALtm - Fitted - Thinning factor 100 r small intervals 0.1 1.0 8.0 dnantiles Method 1.2 • bulk 60 Relative ESS 9.0 9.0 4.0 • tail **Trace Plot** Rank Plot ESS for 9.0 8.0 elative 20 0.2 0.0+ 0.0 500 1000 2000 2000 4000 4000 0.2 8.0 8.0 0.6 0.2 0.4 1.0 0 0.0 0.6 1.0 Quantile Quantile Total number of draws Rank (all chains) AKGMALtm - Fitted - Thinning factor 1000 dnantiles 1.0 Method 1.65 1.2 bulk Relative ESS 9.0 8.0 9.1 – tail Trace Plot 1.55 Plot 1.50 0.2 0.2 1.45 0.0+ 0.0 0.0 500 1000 2000 0.4 0.6 Quantile 4000 2000 0.2 8.0 1.0 0.2 8.0 1.0 4000 0.4 0.6 0.4 0 0 0.0 Rank (all chains) Quantile Total number of draws

AKGMALtm - Fitted - Thinning factor 1 small intervals 0.1 8.0 8.0 tor dnantiles 1.2 0.8 0.8 1.8 Method 1.2 - bulk Relative ESS 9.0 9.0 9.0 Trace Plot 4.1 P.1 tail Rank Plot رة 0.6 أ Relative ESS f SS3 0.4 Relative I 0.2 1.0 0.0 0.0 1000 500 2000 4000 0.2 0.6 1.0 0.6 8.0 2000 4000 0 0.8 1.0 0 0.0 0.0 Quantile Quantile Rank (all chains) Total number of draws AKGMALtm - Fitted - Thinning factor 10 small intervals 0.1 8.0 8.0 1.5 Method 1.2 • bulk Relative ESS 9.0 6.1 8.0 9.0 4.0 1.4 🗕 tail 1.3 - 1.2 - Plot رة 0.6 ESS 0.4 Relative F 1.1 0.2 0.0 0.0 2000 500 1000 2000 4000 0.6 0.8 0.6 8.0 4000 0.2 0.0 1.0 0 0.4 1.0 0.0 0.2 0.4 0 Quantile Total number of draws Rank (all chains) Quantile AKGMALtm - Fitted - Thinning factor 100 small intervals 1.4 Method 1.2 1.4 • bulk Relative ESS 9.0 6.1 8.0 6.1 tail E.1 Lace Plot 2.1 Rank Plot ر کے _{0.6} ا Relative ESS f Relative 0.4 1.1 0.2 1.0 0.0 500 1000 2000 2000 4000 4000 8.0 1.0 0.0 0.2 8.0 0.0 0.6 0 0.2 0.6 1.0 Rank (all chains) Quantile Quantile Total number of draws AKGMALtm - Fitted - Thinning factor 1000 small intervals 9.0 1.1 2.1 8 9.1 r dnantiles 1.4 Method 1.2 bulk 1.3 Relative ESS 9.0 8.0 9.1 Trace Plot 1.1 Rank Plot رة 0.6 Relative ESS f 1.0 0.2 0.0 + 0.0 0.0 1000 2000 0.4 0.6 Quantile 500 4000 2000 0.2 0.6 8.0 1.0 4000 0.4 8.0 1.0 0 0.2 Rank (all chains) Quantile Total number of draws

AKGMALtm - Fitted - Thinning factor 1 small intervals 0.1 8.0 dnantiles Method 1.2 1.40 - bulk Relative ESS 9.0 6.1 9.0 6.1 tail Trace Plot 1.35 Rank Plot ම් 0.8 ESS for 8 0.4 6.0 ESS Relative I 1.25 Relative I 0.2 1.20 0.0 2000 500 1000 4000 8.0 2000 4000 0 0 0.2 0.6 1.0 0.6 8.0 0.0 Rank (all chains) Quantile Quantile Total number of draws AKGMALtm - Fitted - Thinning factor 10 1.5 dnantiles Method 1.2 • bulk 1.4 🗕 tail Trace Plot Rank Plot ව් 0.8 6.0 ESS Relative 2.0 Relative I 1.2 0.2 0.0 0.0 1000 2000 2000 500 4000 0.2 8.0 8.0 1.0 4000 0.6 1.0 0.2 0.6 0 0 0.0 0.4 0.0 0.4 Rank (all chains) Quantile Quantile Total number of draws AKGMALtm - Fitted - Thinning factor 100 r small intervals 0.1 1.0 8.0 1.5 dnantiles 1.0 Method 1.2 • bulk 1.4 Relative ESS 9.0 8.0 9.1 🗕 tail Tace Pot 1.2 Rank Plot ESS for 9.0 8.0 Relative ESS for s
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AKGMALtm - Fitted - Thinning factor 1 small intervals 0.1 8.0 8.0 for quantiles 1.2 ... 8.0 1.5 Method 1.2 - bulk 1.4 Relative ESS 9.0 6.1 8.0 9.0 4.0 tail Trace Plot 2.1 Rank Plot و 0.6 Relative ESS f ESS 0.4 1.1Relative I 0.2 1.0 0.0 0.0 500 2000 1000 4000 0.6 8.0 8.0 2000 4000 0 0.2 1.0 1.0 0 0.0 0.0 Quantile Quantile Rank (all chains) Total number of draws AKGMALtm - Fitted - Thinning factor 10 1.5 Method 1.2 • bulk 1.4 Relative ESS 9.0 6.1 8.0 9.0 4.0 🗕 tail 1.3 1.2 1.1 Rank Plot أ 0.6 و ESS 0.4 Relative I 1.0 0.2 0.9 0.0 0.0 2000 500 1000 4000 0.2 0.6 0.6 8.0 2000 4000 0.4 8.0 1.0 0.0 0.2 0 1.0 0.0 0.4 0 Quantile Quantile Rank (all chains) Total number of draws AKGMALtm - Fitted - Thinning factor 100 small intervals 1.4 1.5 dnautiles 1.0 Method 1.2 • bulk Relative ESS 9.0 8.0 9.1 • tail Trace Plot 8.1 8.1 Rank Plot ESS for 6 Relative ESS for s 0 0 0 0 0 0 0 0 0 0 Relative 1.2 0.2 11,1 0.0 500 1000 2000 4000 0.2 2000 8.0 1.0 0.0 8.0 4000 0.0 0.6 0 0.6 0.2 1.0 Rank (all chains) Quantile Quantile Total number of draws AKGMALtm - Fitted - Thinning factor 1000 small intervals 9.0 1.1 2.1 8.0 8.1 r dnantiles Method 1.4 1.2 • bulk 1.3 - Lace Plot 1.1 - Lace Plot 1.2 - Lace Plo • tail Rank Plot ر أو 0.6 Relative ESS f 1.0 0.2 0.0 + 0.0 0.0 1000 2000 0.4 0.6 Quantile 500 4000 2000 0.2 0.6 8.0 1.0 4000 0.4 8.0 1.0 0 0.2 Rank (all chains) Quantile Total number of draws

AKGMALtm - Fitted - Thinning factor 1 dnantiles Method 1.6 1.2 • bulk Relative ESS 9.0 6.1 9.0 6.1 tail Trace Plot Rank Plot <u>ම</u> 0.8 6.0 ESS Relative I 1.2 Relative I 0.2 1.0 0.0 2000 500 1000 4000 0.2 8.0 4000 0 0.6 1.0 2000 8.0 0.2 0.6 0.0 Rank (all chains) Quantile Quantile Total number of draws AKGMALtm - Fitted - Thinning factor 10 dnantiles 1.0 Method 1.2 - bulk 1.6 **→** tail Trace Plot Rank Plot ව් 0.8 1.4 6.0 ESS Relative 0.2 1.2 Relative E 7:0 0.2 1.0 0.0 0.0 1000 2000 2000 500 4000 0.2 0.2 8.0 1.0 4000 0.6 8.0 1.0 0.6 0 0 0.0 0.4 0.0 0.4 Quantile Rank (all chains) Quantile Total number of draws AKGMALtm - Fitted - Thinning factor 100 dnantiles Method 1.8 1.2 • bulk Relative ESS 9.0 9.0 4.0 Trace Plot • tail Rank Plot ESS for 9.0 8.0 1.2 0.2 արկան համար արտական հարարական հարարական հարարական հերա հանական հարարական հարարական հարարական հարարական հարարակ 0.0 1000 2000 2000 500 4000 8.0 4000 8.0 0.0 0.2 0.6 1.0 0 0.0 0.2 0.6 1.0 Quantile Quantile Rank (all chains) Total number of draws AKGMALtm - Fitted - Thinning factor 1000 r small intervals 0.0 1.0 8.0 8.0 dnantiles 1.0 1.30 Method 1.2 • bulk 1.25 Relative ESS 9.0 9.0 9.0 tail 1.20 e 1.15 1.10 Plot 0.8 ESS for 9.0 0.6 Rank 0.6 Relative 1.05 0.2 0.2 1.00 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 4000 0.4 0.6 0.4 0 0.0 Rank (all chains) Quantile Total number of draws