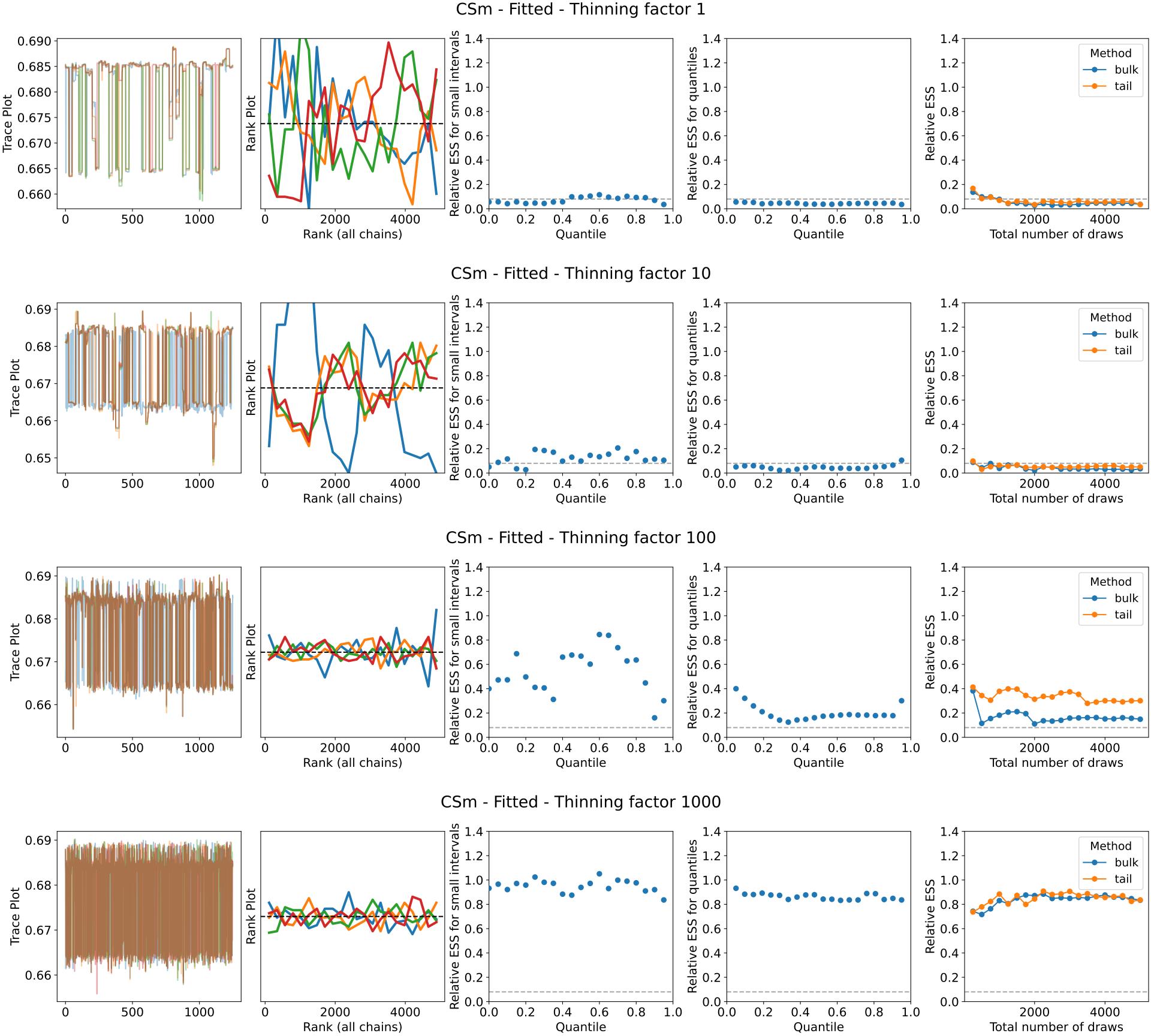
CSm - Fitted - Thinning factor 1 small intervals 0.1 2.0 8.0 0.610 duantiles 1.0 Method 1.2 • bulk 0.605 tail Tage Bot 0.600 or 0.595 Rank Plot <u>ම</u> 0.8 بة _{0.6} 8.0 ESS SS3 0.4 Relative 0.2 Relative I 0.585 0.2 0.580 0.0 1000 2000 500 4000 0.2 2000 4000 8.0 0.0 0.6 8.0 1.0 1.0 0.4 0.0 Rank (all chains) Quantile Quantile Total number of draws CSm - Fitted - Thinning factor 10 small intervals 0.1 2.0 8.0 dnantiles 1.2 Method 1.2 0.62 • bulk Relative ESS 9.0 8.0 9.1 **→** tail Trace Plot 09.0 Rank Plot 8.0 <u>d</u> ر أو 0.6 8.0 ESS ESS 0.4 Relative 0.4 0.2 0.59 Relative F 0.2 0.58 0.0 0.0 1000 500 2000 4000 0.0 0.2 0.6 8.0 1.0 0.2 8.0 1.0 2000 4000 0.6 0.0 0 0.4 0.4 0 Quantile Quantile Rank (all chains) Total number of draws CSm - Fitted - Thinning factor 100 small intervals 0.1 2.0 8.0 dnantiles 1.0 0.60 Method 1.2 • bulk 0.55 • tail Trace Plot 0.50 0.45 Rank Plot <u>ල</u> 0.8 رة 0.6 6.0 ESS Relative ESS 1 0.40 Relative 0.4 0.35 0.2 0.0 0.0 500 1000 2000 4000 0.2 0.4 8.0 2000 4000 0.0 8.0 1.0 0.6 1.0 0.2 0.6 Rank (all chains) Quantile Quantile Total number of draws CSm - Fitted - Thinning factor 1000 small intervals 0.1 8.0 8.0 1.4 0.610 dnantiles 1.0 Method 1.2 bulk 0.605 Relative ESS 9.0 8.0 9.0 Rank Plot ESS for 6 و 0.6 Relative ESS f Relative F 0.4 0.585 0.2 0.580 0.0 + 0.0 0.0 500 1000 0.4 0.6 Quantile 0.4 0.6 Quantile 2000 2000 4000 4000 0.2 8.0 1.0 0.2 8.0 1.0 0.4 0 0.4 Total number of draws Rank (all chains)

CSm - Fitted - Thinning factor 1 0.74 dnantiles Method 1.2 - bulk 0.72 Relative ESS 9.0 6.1 9.0 6.1 tail Trace Plot 02.0 89.0 Rank Plot ම් 0.8 6.0 ESS Relative -Relative I 0.66 0.2 0.64 1000 2000 500 4000 8.0 4000 0 1.0 2000 0.2 0.6 8.0 0.6 0.0 Rank (all chains) Quantile Quantile Total number of draws CSm - Fitted - Thinning factor 10 dnantiles 1.0 Method 1.2 0.76 • bulk Relative ESS 9.0 6.1 9.0 6.1 Lace Flot 0.72 0.70 0.70 🗕 tail Rank Plot ව<u>්</u> 0.8 6.0 ESS Relative 7.0 elative 5.0 0.68 0.2 0.66 0.0 0.0 1000 2000 500 4000 0.2 0.6 0.2 8.0 1.0 2000 4000 8.0 1.0 0.6 0 0.0 0.4 0.4 0 Rank (all chains) Quantile Quantile Total number of draws CSm - Fitted - Thinning factor 100 0.69 dnantiles Method 1.2 • bulk Relative ESS 9.0 9.0 4.0 0.68 • tail Trace Plot 29.0 Rank Plot ESS for 0.0 9.0 Relative 0.66 0.2 0.2 0.0+ 0.0 0.65 500 1000 2000 4000 4000 0.2 8.0 2000 0.2 8.0 0.6 0.4 1.0 0 0.0 0.6 1.0 Rank (all chains) Quantile Quantile Total number of draws CSm - Fitted - Thinning factor 1000 0.69 dnantiles 1.0 Method 1.2 • bulk Relative ESS 9.0 9.0 9.1 Trace Plot 76.0 76.0 🗕 tail Plot for ESS 0.6 Relative 0.66 0.2 0.2 0.0 + 0.0 0.0 1000 2000 500 4000 0.4 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 0.0 Rank (all chains) Total number of draws



CSm - Fitted - Thinning factor 1 0.74 dnantiles Method 1.2 - bulk 0.72 Relative ESS 9.0 6.1 9.0 6.1 tail Trace Plot 0.70 86.0 Rank Plot ම් 0.8 6.0 ESS Relative 2.0 0.2 0.66 0.0 1000 2000 500 4000 8.0 0.6 8.0 1.0 2000 4000 0 0 0.2 0.6 1.0 0.2 0.4 0.0 Rank (all chains) Quantile Quantile Total number of draws CSm - Fitted - Thinning factor 10 dnantiles 1.0 Method 0.69 1.2 • bulk Relative ESS 9.0 6.1 9.0 6.1 **→** tail Trace Plot 76.0 76.0 Rank Plot ව<u>්</u> 0.8 6.0 ESS Relative 0.2 0.66 Relative E 7:0 0.2 0.65 0.0 0.0 1000 2000 500 4000 0.2 8.0 8.0 1.0 2000 4000 0.6 1.0 0.2 0.6 0 0 0.0 0.4 0.4 Rank (all chains) Quantile Quantile Total number of draws CSm - Fitted - Thinning factor 100 0.69 dnantiles Method 1.2 • bulk 0.68 – tail Trace Plot 0.0 29 Rank Plot ESS for 9.0 8.0 0.66 0.2 0.65 0.0 + 0.0 0.0 1000 2000 4000 2000 4000 500 0.2 8.0 0.2 8.0 1.0 0.6 0.4 1.0 0 0.0 0.6 Rank (all chains) Quantile Quantile Total number of draws CSm - Fitted - Thinning factor 1000 dnantiles 1.0 Method 0.70 1.2 • bulk Relative ESS 9.0 8.0 9.1 Trace Plot .0 89.0 89.0 Rank Plot ESS for 8.0 0.6 Relative 0.67 0.2 0.2 0.66 0.0 + 0.0 0.0 1000 2000 0.4 0.6 Quantile 0.4 0.6 Quantile 500 4000 2000 0.2 8.0 1.0 0.2 8.0 1.0 4000 0.4 0 0.0 Rank (all chains) Total number of draws

CSm - Fitted - Thinning factor 1 dnantiles Method 1.2 0.59 • bulk Relative ESS 9.0 6.1 9.0 6.1 tail Trace Plot 25.0 25.0 Rank Plot ම් 0.8 6.0 ESS Relative I 0.56 Relative I 0.2 0.55 0.0 2000 500 1000 4000 8.0 0.6 8.0 2000 4000 0 0 0.6 1.0 0.2 0.2 0.0 Rank (all chains) Quantile Quantile Total number of draws CSm - Fitted - Thinning factor 10 0.60 dnantiles 1.0 Method 1.2 • bulk 0.59 🗕 tail Trace Plot 72.0 Plot 72.0 Rank Plot ව් 0.8 6.0 ESS Relative 2.0 0.56 Relative I 0.2 0.2 0.55 0.0 0.0 1000 2000 500 4000 0.2 0.6 8.0 0.6 8.0 1.0 2000 4000 1.0 0.2 0 0 0.0 0.4 0.4 Rank (all chains) Quantile Quantile Total number of draws CSm - Fitted - Thinning factor 100 0.60^{-1} dnantiles Method 1.2 • bulk Relative ESS - 0.1 - 0.0 - 0.1 Trace Plot - 62.0 🕶 tail Rank Plot ESS for 9.0 8.0 Relative 0.4 0.54 0.2 0.0 + 0.0 500 1000 2000 4000 0.2 8.0 2000 4000 0.2 8.0 0.6 1.0 0 0 0.0 0.6 1.0 Rank (all chains) Quantile Quantile Total number of draws CSm - Fitted - Thinning factor 1000 dnantiles 1.0 Method 1.2 • bulk 0.59 Relative ESS 9.0 9.0 9.0 tail Trace Plot 82.0 72.0 Plot 8.0 Relative ESS for 0.6 0.2 0.2 0.56 0.0+ 0.0 0.0 1000 2000 4000 0.4 0.6 Quantile 0.4 0.6 Quantile 1.0 2000 4000 500 0.2 8.0 1.0 0.2 8.0 0 0.0 Rank (all chains) Total number of draws