Prop Proportions Within (SR_ALY) Proportions Within (SR_Y) Growth_M (0,15) Growth_M (15,0) Growth_M (0,0) Growth_M (15,15) Growth_M (30,30) Spawning Stock Biomass 7.5 5.0 2.5 0.0-Relative Error 7.5 Total Biomass 5.0 2.5 0.0 8 **Total Fishing Mortality** 6 4 2 0 -0.25 0.00 0.25 0.50 0.25 -0.2-0.1 0.0 0.1 0.2 0.3 -0.250.00 0.25 0.50 0.50-0.25 0.00 0.25 -0.250.00 RE

Proportions Across Proportions Within (SR_Y) Growth_M (15,15) Growth_M (0,15) Growth_M (15,0) Growth_M (0,0) Growth_M (30,30) Spawning Stock Biomass 7.5 5.0 2.5 0.0 Relative Error 7.5 Total Biomass 5.0 2.5 0.0 8 **Total Fishing Mortality** 6 4 2 0 0.0 RE -0.25 0.00 0.25 0.50 0.2 0.2 0.4-0.2 -0.1 0.0 -0.250.00 0.25 0.50 **−**0.2 $-0.2 \quad 0.0$

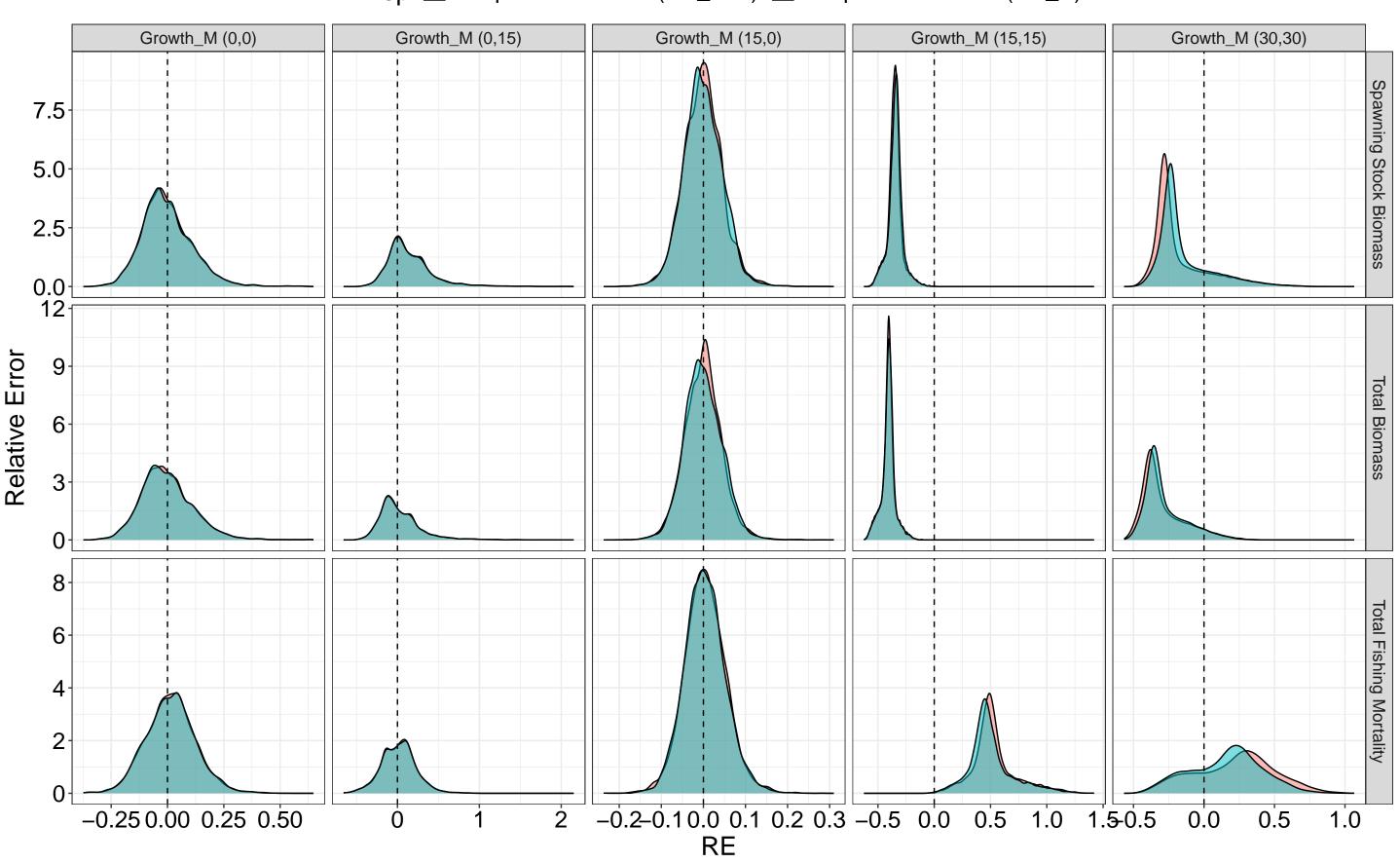
Prop Proportions Within (SR_ALY) Proportions Within (SR_Y) Growth_M (0,15) Growth_M (15,0) Growth_M (15,15) Growth_M (0,0) Growth_M (30,30) 12.5 Spawning Stock Biomass 10.0 7.5 5.0 2.5 0.0 Relative Error 10-**Total Biomass** 5 0 Total Fishing Mortality 9 6 3 0.0 RE -0.25 0.00 0.25 0.50 0.2 -0.2-0.1 0.0 0.1 0.2 0.1 0.2 -0.250.00 0.25 0.50 -0.2-0.1 0.0

Proportions Across Proportions Within (SR_Y) Growth_M (0,15) Growth_M (15,0) Growth_M (0,0) Growth_M (15,15) Growth_M (30,30) 12 Spawning Stock Biomass 8 4 0 Relative Error Total Biomass 9 Total Fishing Mortality 6 3 0 -0.2-0.1 0.0 0.1 0.2 -0.2-0.1 0.0 0.1 0.2 RE -0.250.00 0.25 0.50 0.1 -0.25 0.00 0.25 0.50 **-**0.1 0.0

Prop Proportions Within (SR_ALY) Proportions Within (SR_Y) Growth_M (0,15) Growth_M (15,0) Growth_M (15,15) Growth_M (0,0) Growth_M (30,30) 10.0 Spawning Stock Biomass 7.5 5.0 2.5 0.0 7.5 Relative Error Total Biomass 5.0 2.5 0.0 6 Total Fishing Mortality 4 2 0.0 RE -0.250.00 0.25 0.50 -0.4 8.0 0.2 0.5 1.0 -0.5 0.5 0.4 -0.20.4 -0.5 0.0 0.0 0.0

Proportions Across Proportions Within (SR_Y) Growth_M (15,15) Growth_M (0,15) Growth_M (15,0) Growth_M (0,0) Growth_M (30,30) Spawning Stock Biomass 7.5 5.0 2.5 0.0 8 Relative Error 6 Total Biomass 4 2-6 **Total Fishing Mortality** 4 2 -0.25 0.00 0.25 0.50 0.2 0.5 0.5 -0.250.00 0.25 0.50 0.75 -0.2 0.0 -0.50.0 1.0-0.5 0.0 RE

Prop Proportions Within (SR_ALY) Proportions Within (SR_Y)



Proportions Across Proportions Within (SR_Y) Growth_M (15,15) Growth_M (0,15) Growth_M (0,0) Growth_M (15,0) Growth_M (30,30) Spawning Stock Biomass 7.5 5.0 2.5 0.0 9 Relative Error **Total Biomass** 6 3 Total Fishing Mortality 6 4 2 -0.2-0.10.0 0.1 0.2 0.3 -0.5 0.0 0.5 RE 1.0 0.5 -0.25 0.00 0.25 0.50 1.5-0.5 0.0