Proportions Within (SR_ALY) Proportions Within (SR_Y) Growth_M (15,0) Growth_M (15,15) Growth_M (0,0) Growth_M (0,15) Growth_M (15,30) Growth_M (30,15) Growth_M (30,30) 10.0 Spawning Stock Biomass 7.5 5.0 2.5 0.0 12 Relative Error 9 Total Biomass 6 3 Total Fishing Mortality 6 2 -0.23500.26.50.75-0.25.00.250.50-0.40.20.00.20.40.6-0.20.0 0.2 0.4-0.5 0.5 -0.20.10.00.10.20.3-0.20.0.00.10.20.3 0.0 RE

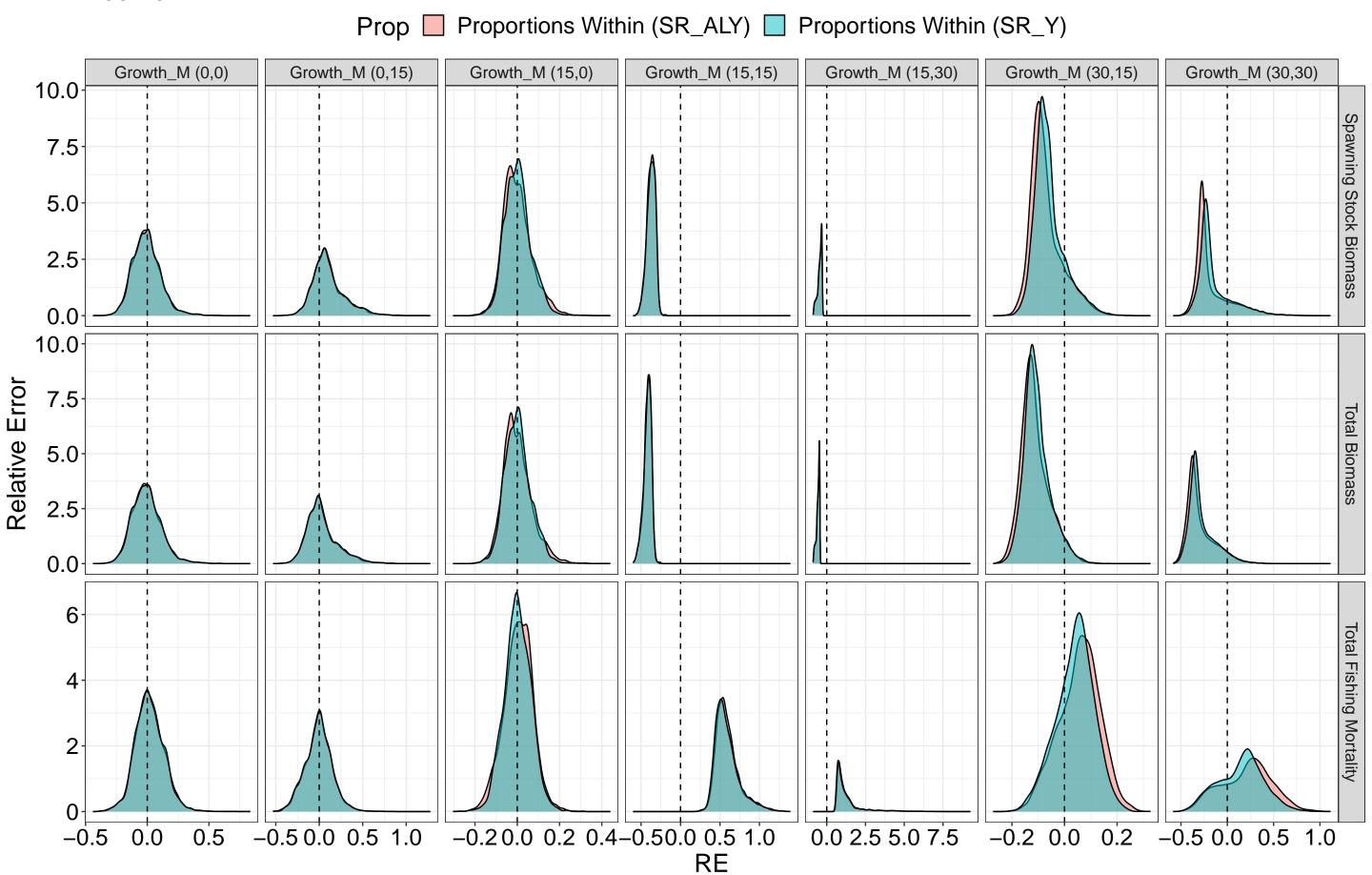
Proportions Across Proportions Within (SR_Y) Growth_M (0,15) Growth_M (15,15) Growth_M (0,0) Growth_M (15,0) Growth_M (15,30) Growth_M (30,15) Growth_M (30,30) 10.0 Spawning Stock Biomass 7.5 5.0 2.5 0.0 12 Relative Error 9 Total Biomass 6 3 8 **Total Fishing Mortality** 6 2 -0.20500.25.50.75-0.26.000.250.50-0.40.20.00.20.40.6-0.20.0 0.2 0.4-0.5 0.5 -0.20.10.00.10.2 -0.20.0.00.10.20.3 0.0 RE

Proportions Within (SR_ALY) Proportions Within (SR_Y) Growth_M (15,0) Growth_M (15,15) Growth_M (15,30) Growth_M (0,0) Growth_M (0,15) Growth_M (30,15) Growth_M (30,30) 15 Spawning Stock Biomass 10-5 15 Relative Error Total Biomass 10 5 12.5 10.0 Total Fishing Mortality 7.5 5.0 2.5 0.0 -0.2 0.0 0.2 0.4-0.2 0.0 0.2 0.40.25 0.00 0.25 -0.25.00.25.50 -0.1 0.0 0.1 -0.1 0.0 0.10.5 0.0 RE

Proportions Across Proportions Within (SR_Y) Growth_M (15,0) Growth_M (15,15) Growth_M (15,30) Growth_M (0,0) Growth_M (0,15) Growth_M (30,15) Growth_M (30,30) 15 Spawning Stock Biomass 10-5 15 Relative Error Total Biomass 10 5 12.5 10.0 Total Fishing Mortality 7.5 5.0 2.5 0.0 -0.2 0.0 0.2 0.4-0.2 0.0 0.2 0.4-0.20.0 0.2 0.4 0.1 -0.25.0**0**.2**5**.5**0**.75-0.2**5**.0**0**.2**5**.50 -0.1 0.0 RE

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 (15,30) Growth_M (30,15) Growth_M (30,30) Spawning Stock Biomass 9 6 3 Relative Error Total Biomass Total Fishing Mortality 6 4 2 -0.25.00.250.500.75-0.20.0 0.2 0.4 -0.5 0.0 0.5 1.0 -1 0 2 -0.2 0.0 0.2 0.4-0.5 0.0 0.5 1.0 3 0.5

Proportions Across Proportions Within (SR_Y) Growth_M (15,0) Growth_M (0,0) Growth_M (0,15) Growth_M (15,15) Growth_M (15,30) Growth_M (30,15) Growth_M (30,30) 12 Spawning Stock Biomass 9 6 3 Relative Error Total Biomass Total Fishing Mortality 6 4 2 2 -0.25.00.25.50.75-0.25.00.25.50.75-0.20.00.20.44 -0.2 0.0 0.2 0.40.5 0.0 0.5



Proportions Across Proportions Within (SR_Y) Growth_M (0,0) Growth_M (0,15) Growth_M (15,0) Growth_M (15,15) Growth_M (15,30) Growth_M (30,15) Growth_M (30,30) 10.0 Spawning Stock Biomass 7.5 5.0 2.5 0.0 10.0 Relative Error 7.5 Total Biomass 5.0 2.5 0.0 6 Total Fishing Mortality 4 2 0 -0.5 0.0 0.5 1.0 -0.20.0 0.2 0.4-0.50.0 0.5 1.0 0.0 2.5 5.0 7.5 -0.2 0.0 0.2 $-0.5 \ 0.0$ RE