Freely-varying phi
gadids
pleuronectids
sebastids
forage fish
carangids-mackerels
other marine fish
Annual surplus production / estimated MSY
5
0
-5
0.0
0.5
1.0
1.5
Annual biomass / estimated K

Schaefer model (phi = 2)
gadids
pleuronectids
sebastids
forage fish
carangids-mackerels
other marine fish
Annual surplus production / estimated MSY
5
0
-5
0.0
0.5
1.0
1.5
Annual biomass / estimated K

Fox model (phi = 1)
gadids
pleuronectids
sebastids
forage fish
carangids-mackerels
other marine fish
Annual surplus production / estimated MSY
5
0
-5
0.0
0.5
1.0
1.5
Annual biomass / estimated K

Empirical taxon-specific phi
gadids
pleuronectids
sebastids
forage fish
carangids-mackerels
other marine fish
Annual surplus production / estimated MSY
5
0
-5
0.0
0.5
1.0
1.5
Annual biomass / estimated K

Thorson meta-analysis taxon-specific phi
gadids
pleuronectids
sebastids
forage fish
carangids-mackerels
other marine fish
Annual surplus production / estimated MSY
5
0
-5
0.0
0.5
1.0
1.5
Annual biomass / estimated K

Thorson meta-analysis pooled (phi = 1.736)
gadids
pleuronectids
sebastids
forage fish
carangids-mackerels
other marine fish
Annual surplus production / estimated MSY
5
0
-5
0.0
0.5
1.0
1.5
Annual biomass / estimated K