

SSB I_is_ge_bmsy I_is_less_01_bmsy I_is_less_05_bmsy 1.00 0.75 -0.50 -0.25 -Probablity
0.00 retro_type Catch s_is_ge_bmsy s_is_less_01_bmsy s_is_less_05_bmsy M 0.75 0.50 0.25 0.00

150

100

Scenario

50

100

150

200

0

50

200

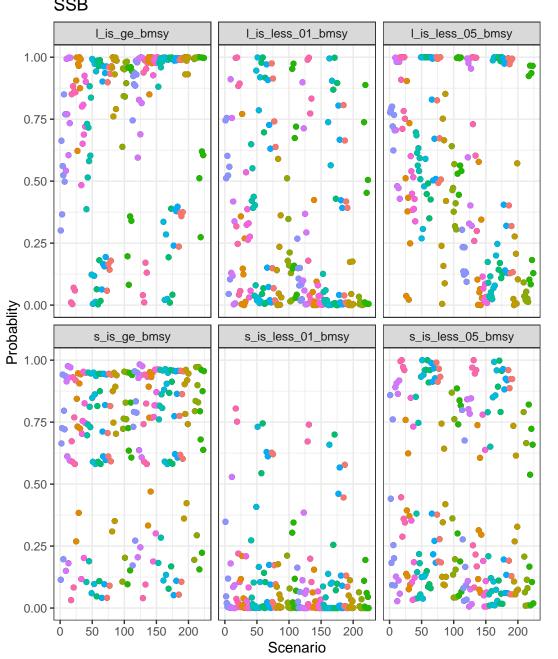
0

50

100

150

200



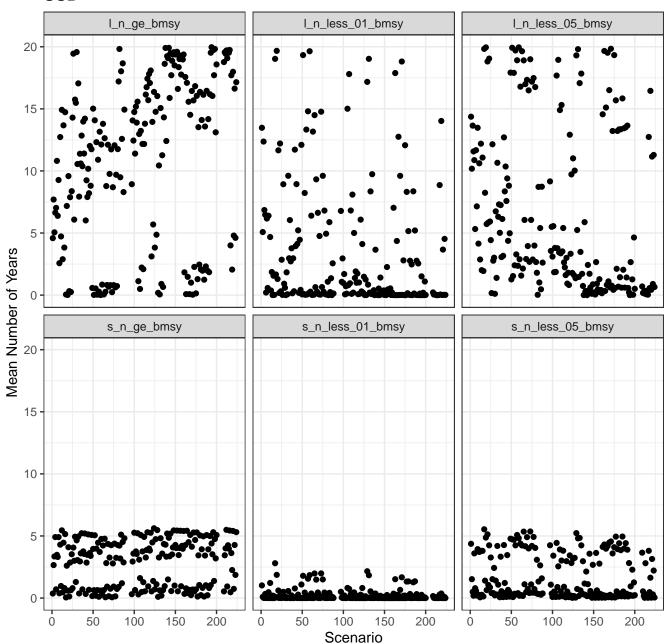
IBMlab

- AIM
- CC-FM
- CC-FSPR
- DLM
- Ensemble
- ES-FM
- **ES-Frecent ES-FSPR**
- ES-Fstable
- Islope
 - Itarget
- PlanB Skate

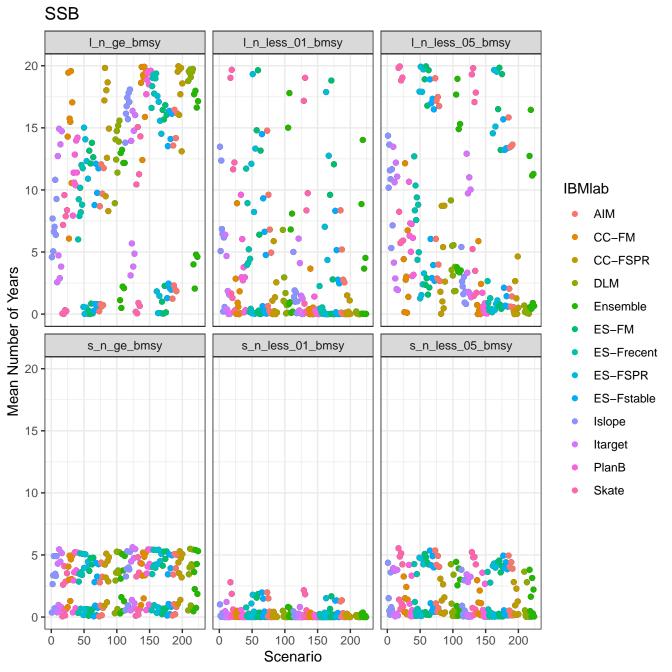
SSB I_is_less_01_bmsy I_is_ge_bmsy I_is_less_05_bmsy 1.00 -0.75 -0.50 0.25 -Probablity 0.00 co.0 factor(Fhist) 1 s_is_ge_bmsy s_is_less_01_bmsy s_is_less_05_bmsy 2 0.75 0.50 0.25 0.00 200 100 150 50 100 150 0 50 200 0 50 100 150 200 Scenario

SSB I_is_ge_bmsy I_is_less_01_bmsy l_is_less_05_bmsy 1.00 0.75 -0.50 -0.25 -Probablity 00.00 factor(n_selblocks) s_is_ge_bmsy s_is_less_01_bmsy s_is_less_05_bmsy 2 0.75 0.50 -0.25 0.00 100 150 200 50 100 150 200 50 50 100 150 200 0 Scenario

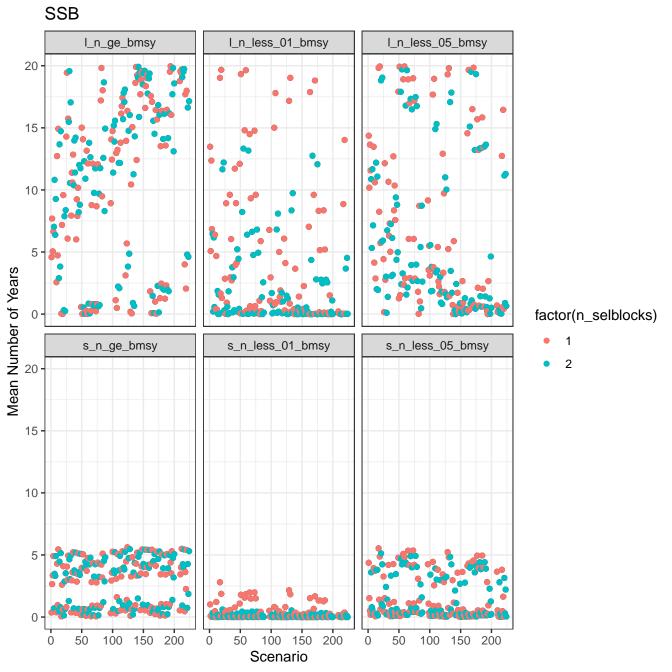
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0.00 factor(catch.mult) 0.75 s_is_ge_bmsy s_is_less_01_bmsy s_is_less_05_bmsy 1.00 0.75 0.50 0.25 0.00 100 150 50 100 150 200 0 50 200 50 100 150 200 0 Scenario

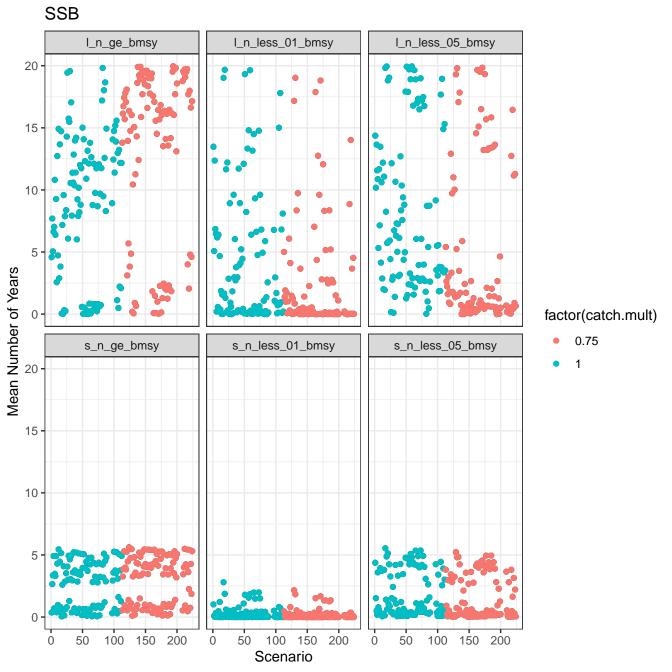


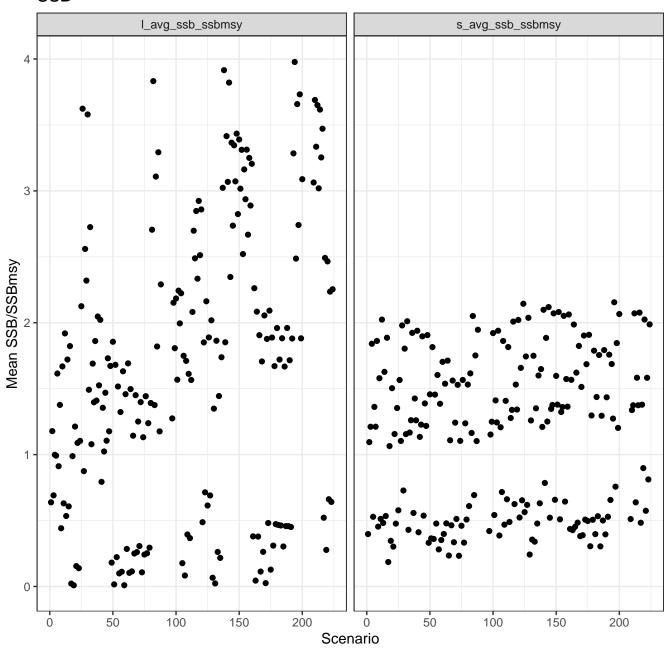
SSB I_n_ge_bmsy I_n_less_01_bmsy I_n_less_05_bmsy 20 -15 -10 -Mean Number of Years retro_type Catch s_n_ge_bmsy s_n_less_01_bmsy s_n_less_05_bmsy M 15 -10 -100 150 50 100 150 200 0 50 200 50 100 150 200 Scenario

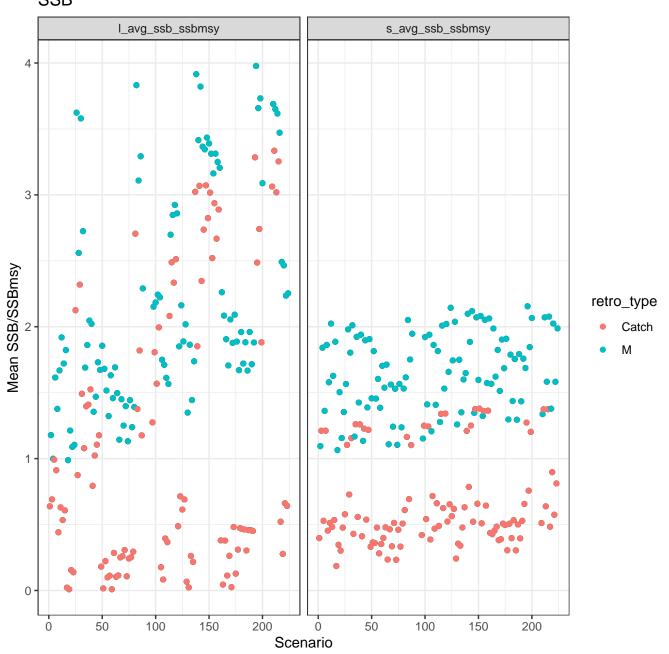


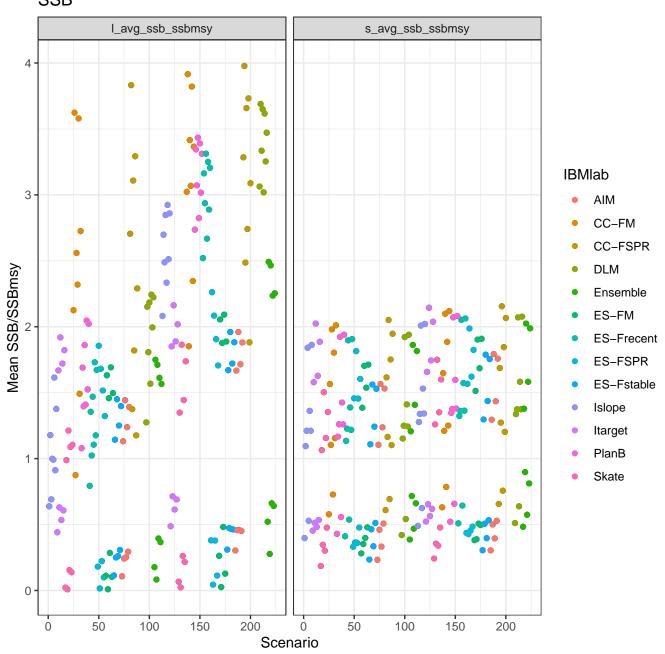
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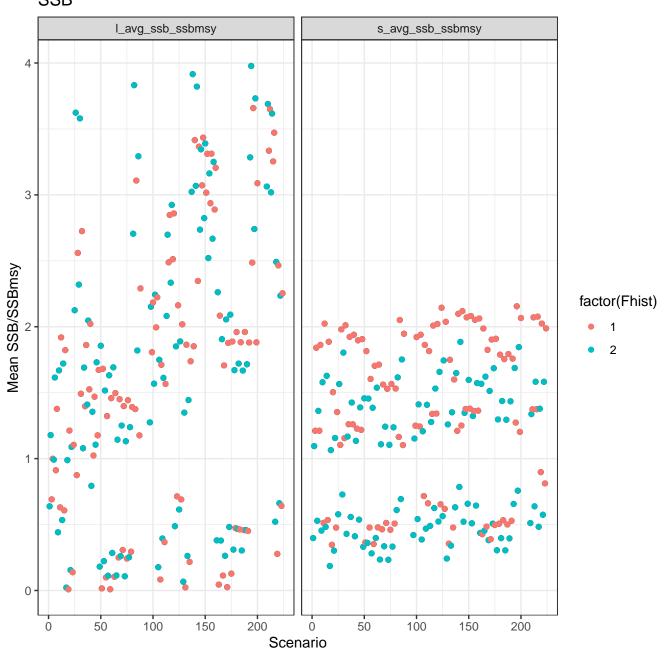


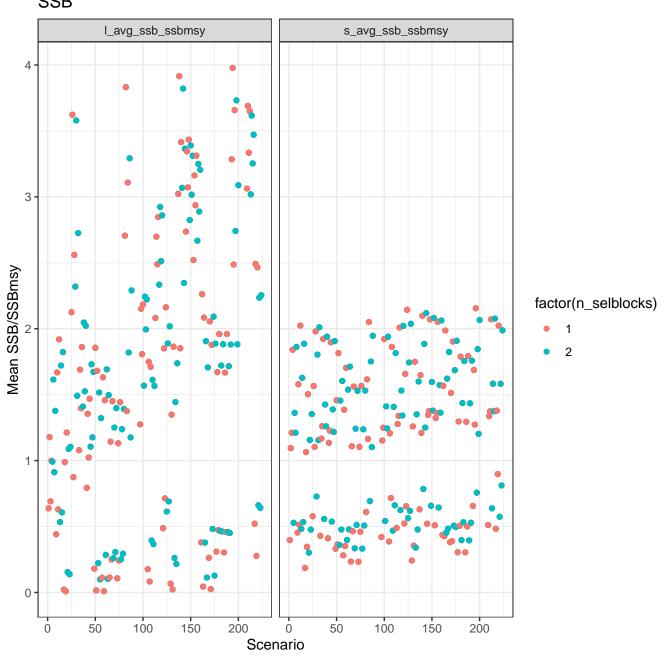


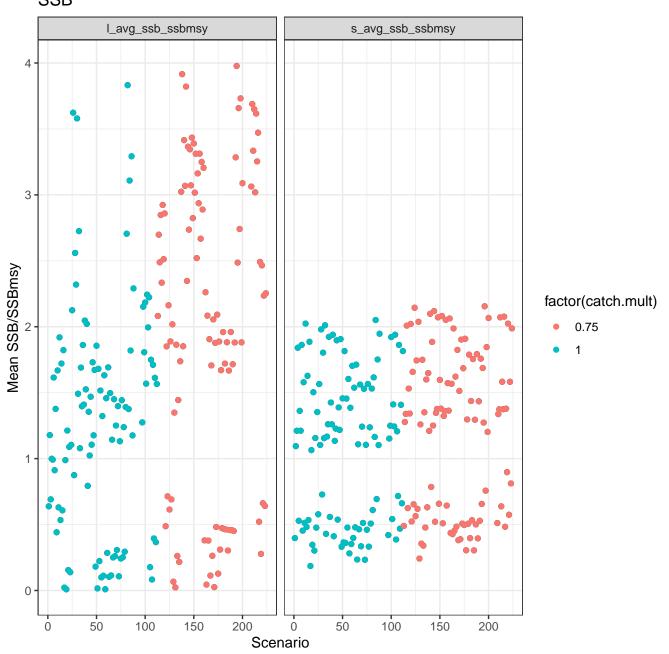


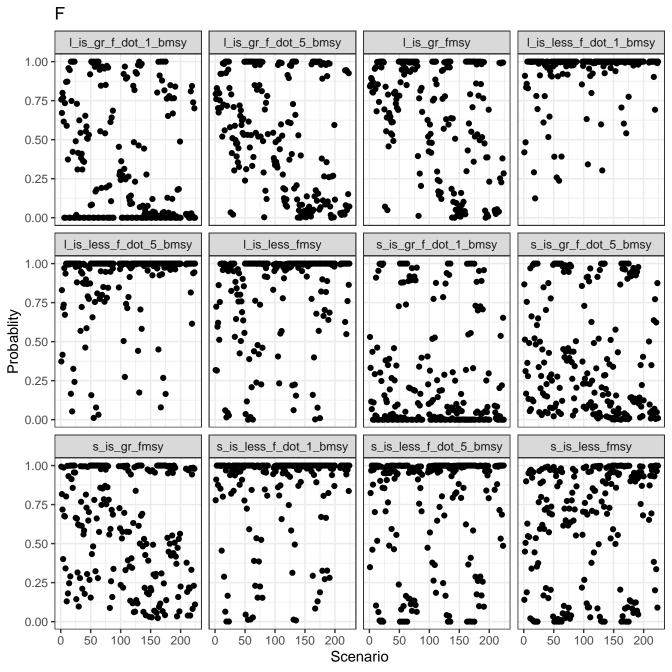


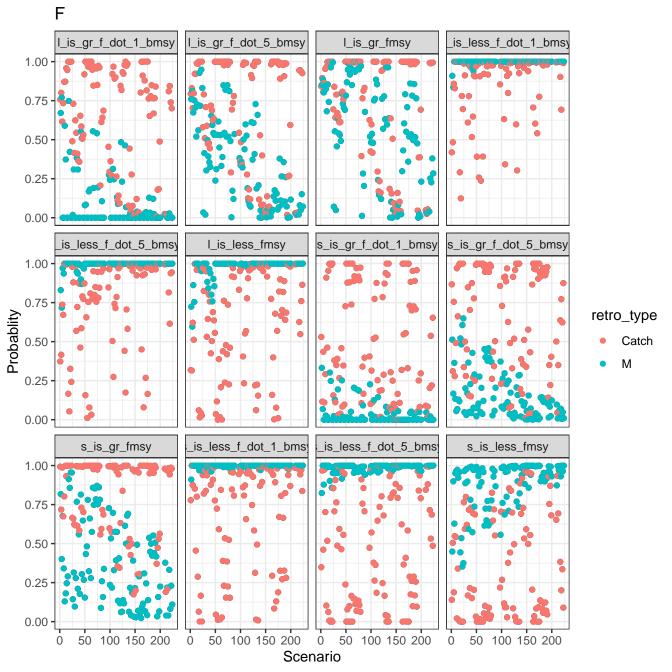


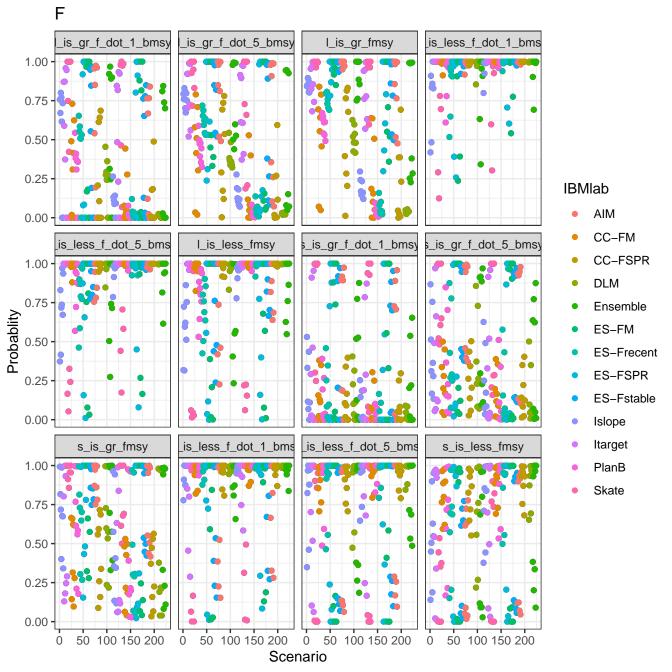


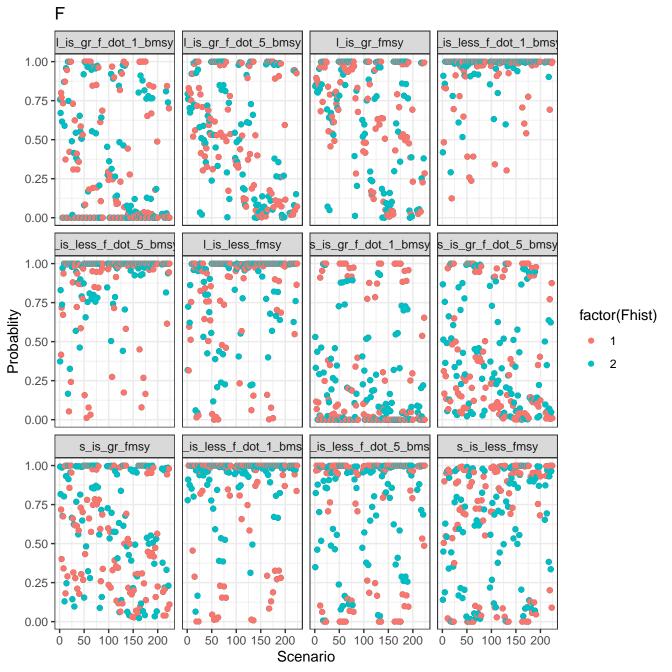


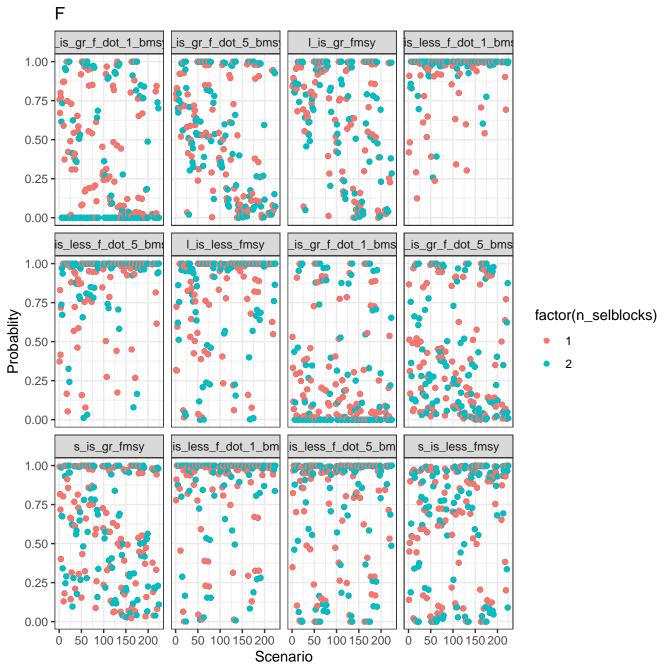


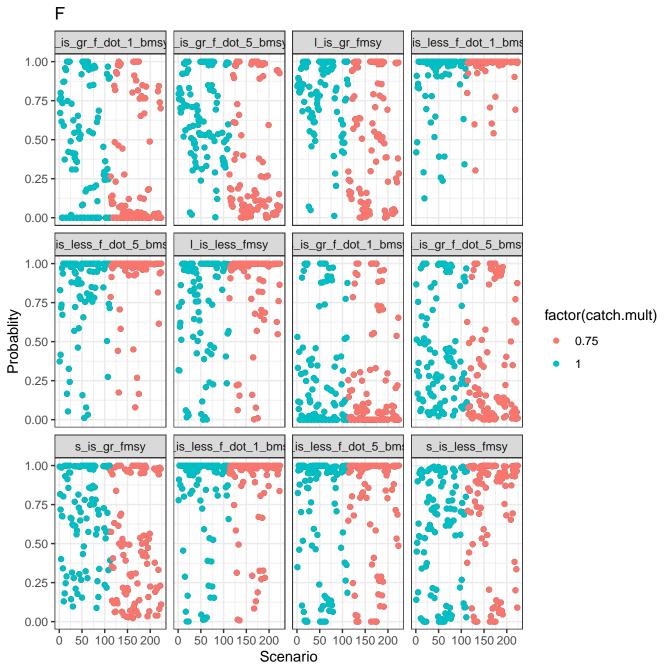


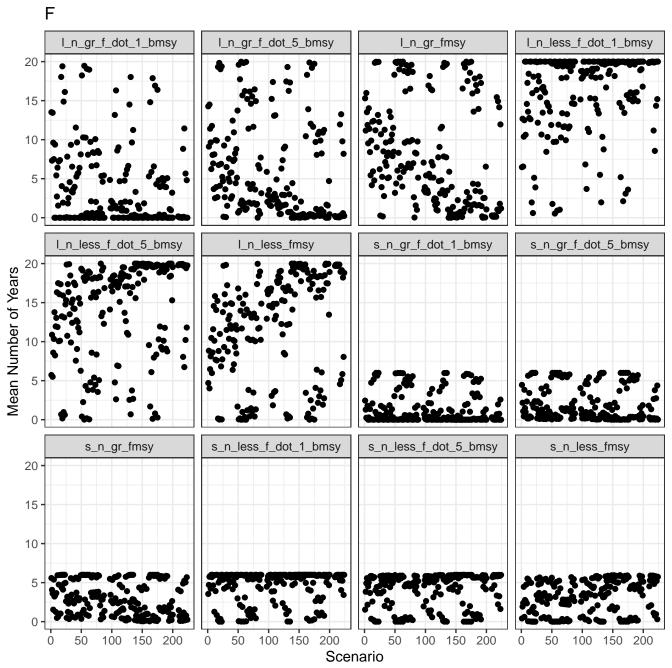


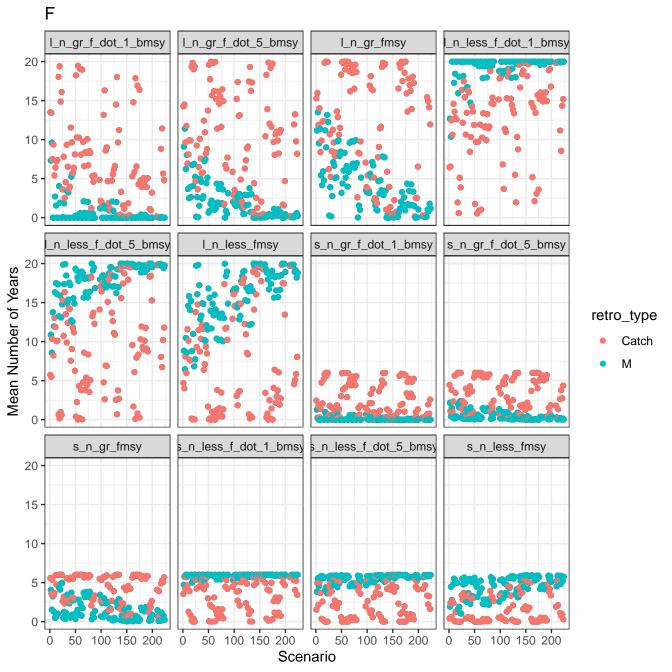


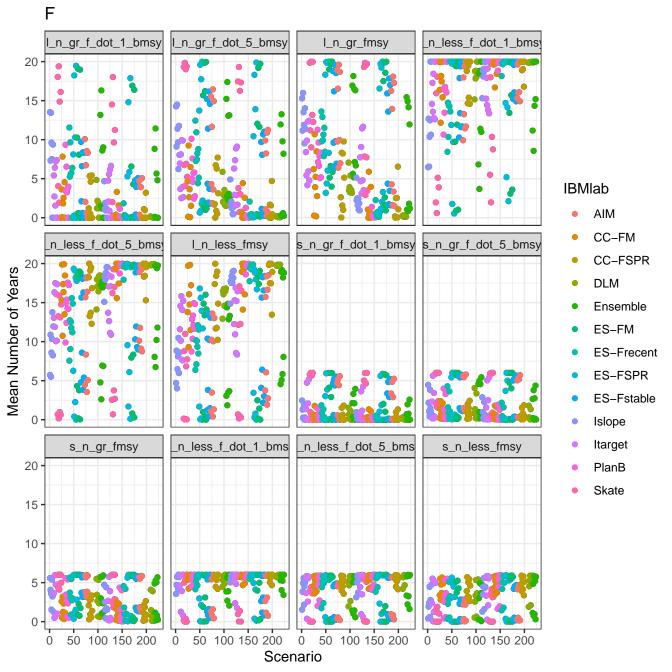


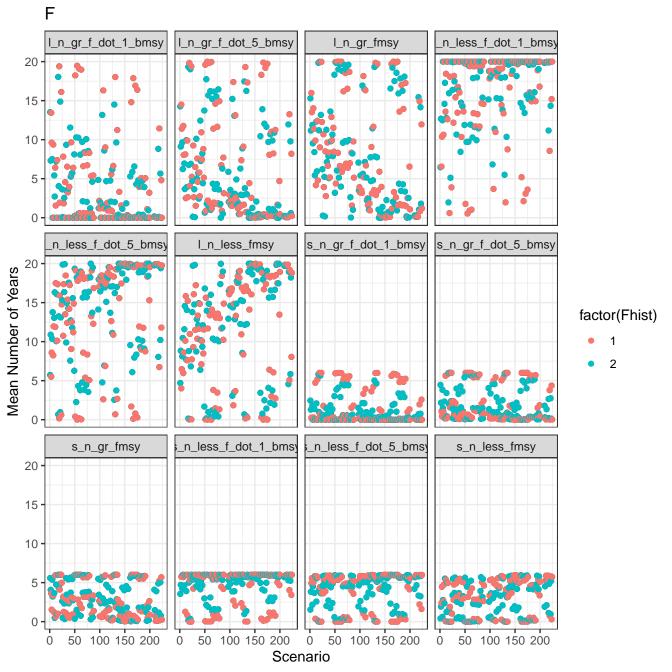


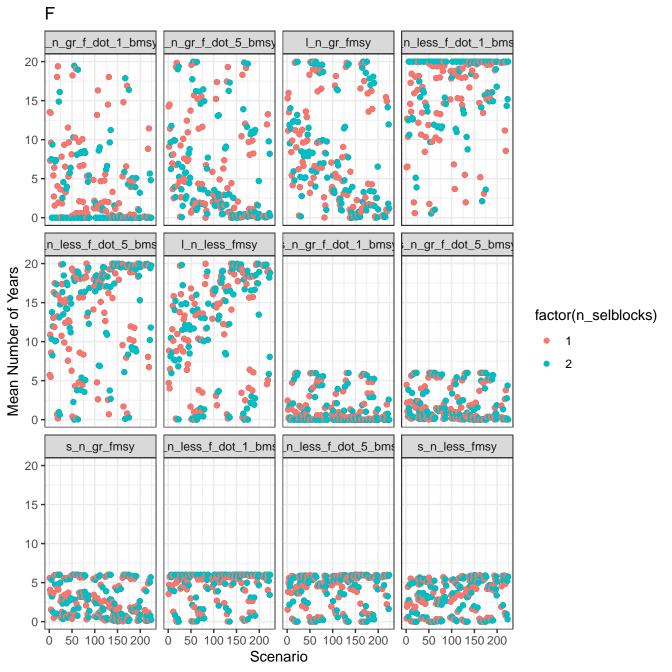


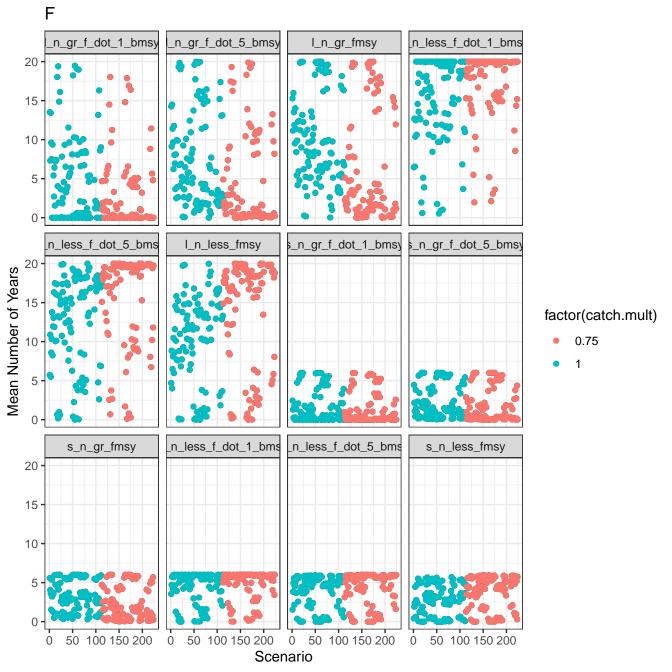


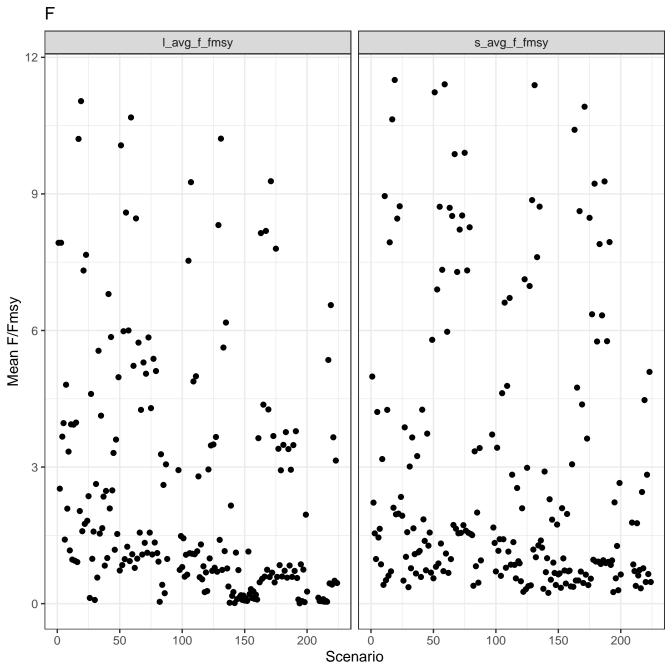


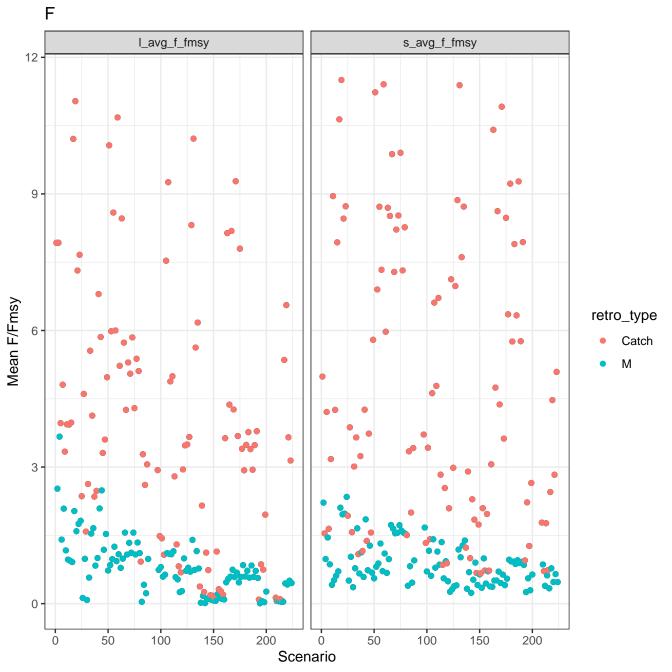


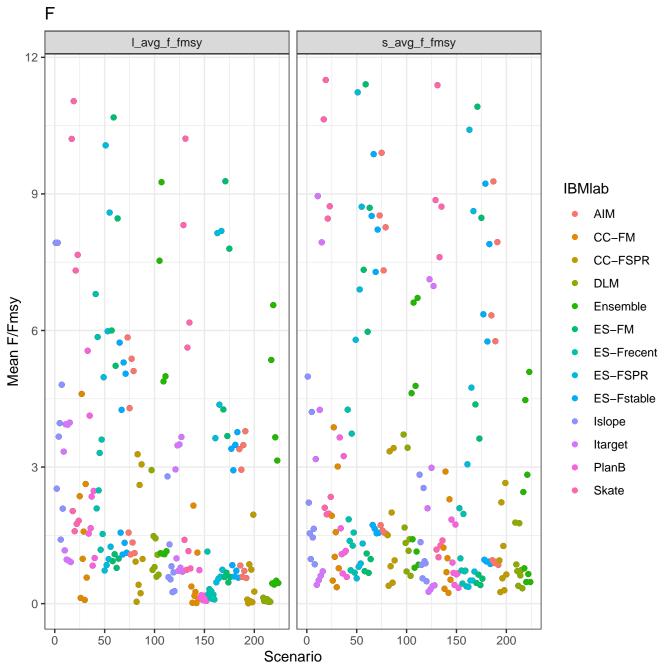


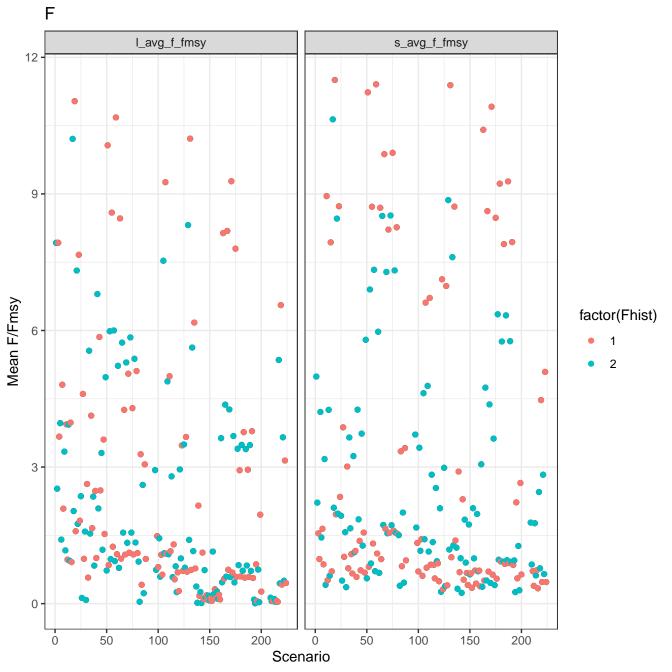


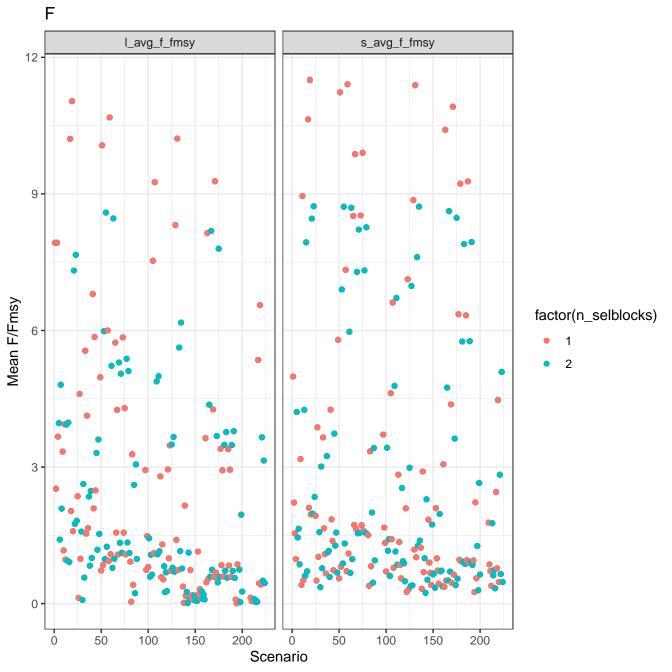


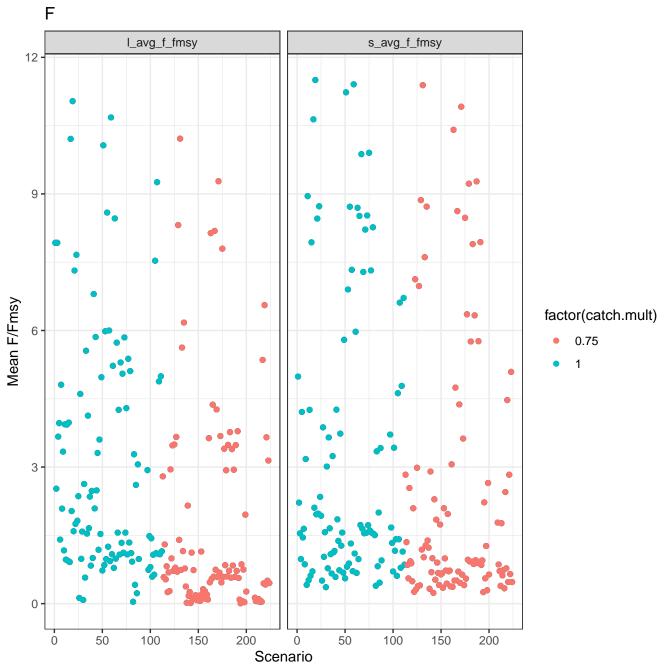


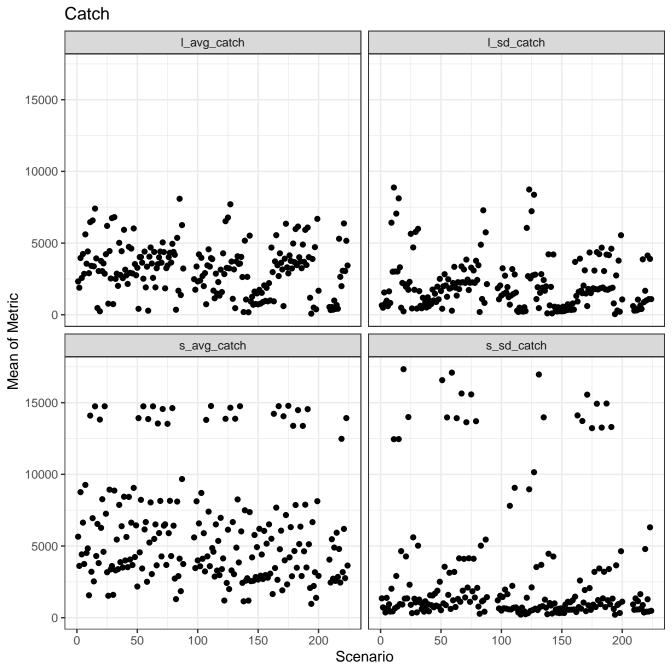




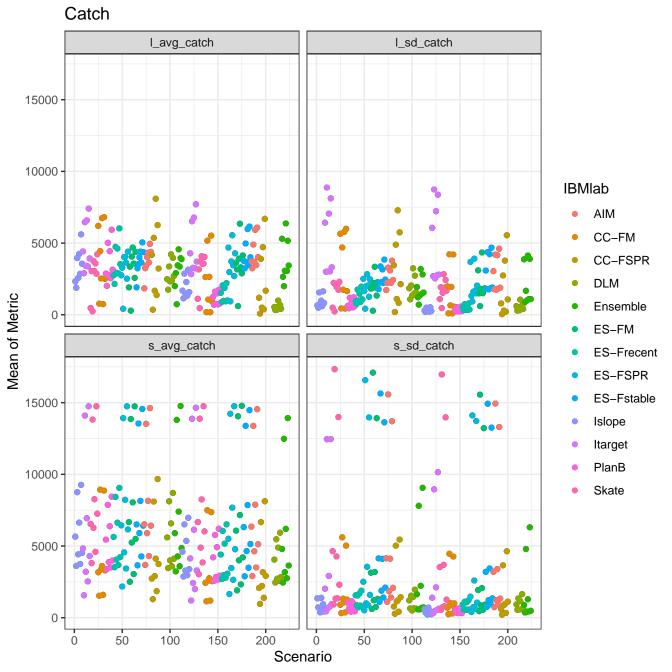


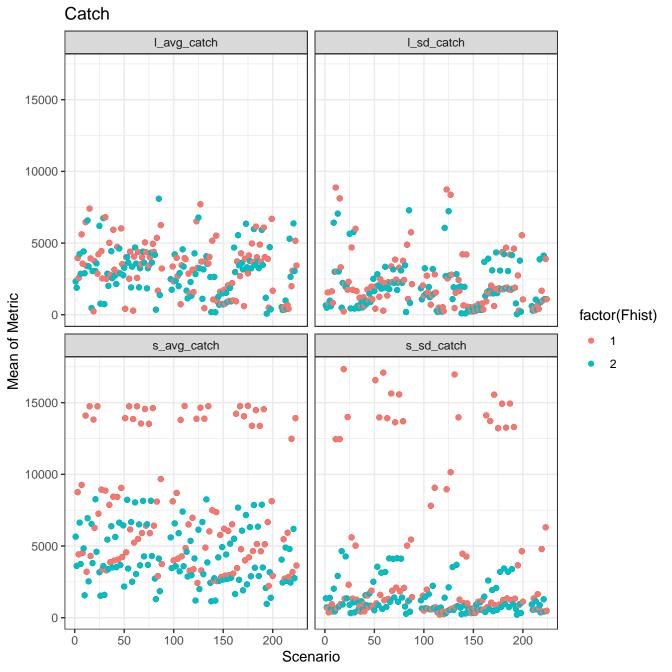


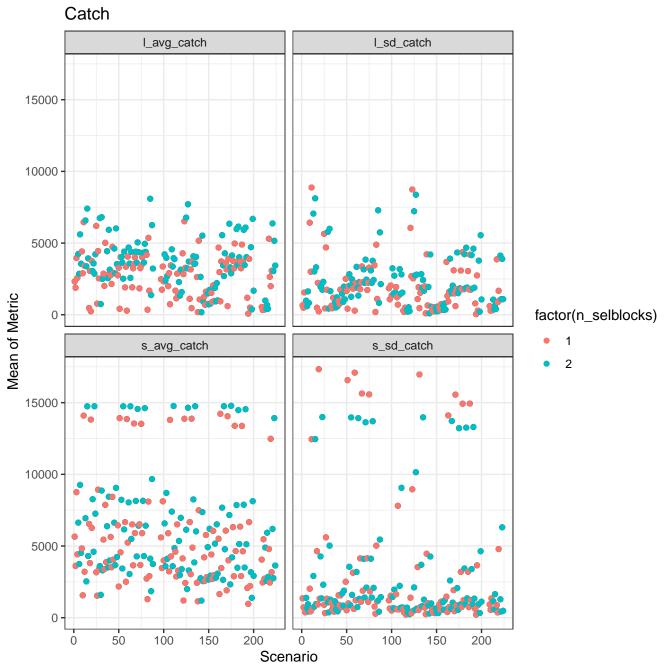


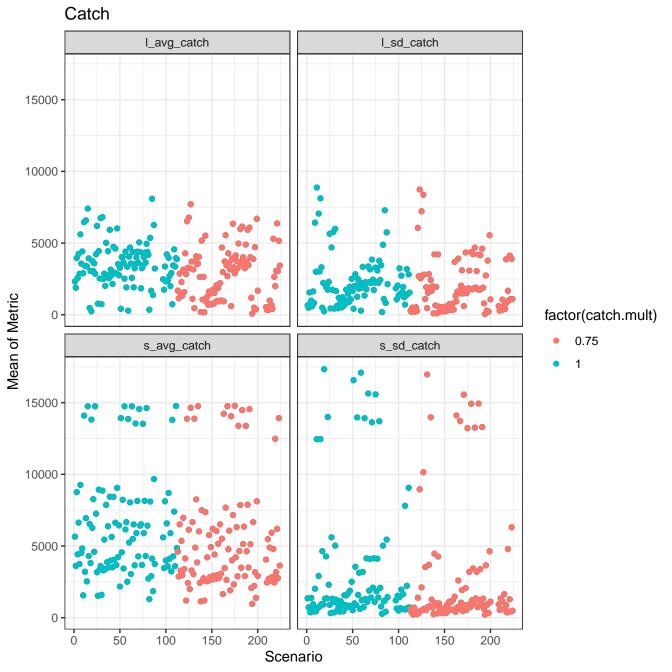


Catch I_avg_catch I_sd_catch 15000 -10000 -5000 -Mean of Metric 0 retro_type Catch s_sd_catch s_avg_catch Μ 15000 -10000 -5000 0 -50 100 150 200 50 100 150 200 Scenario









Catch I_avg_catch_msy s_avg_catch_msy 2.0 1.5 -Mean Catch/MSY 1588 0.5 0.0 -50 Ö 100 150 200 Ö 50 100 200 150 Scenario

Catch I_avg_catch_msy s_avg_catch_msy 2.0 1.5 -Mean Catch/MSY retro_type Catch Μ 0.5 0.0 -150 200 50 50 100 100 150 200 Ö Ö Scenario

Catch I_avg_catch_msy s_avg_catch_msy 2.0 **IBMlab** AIM CC-FM 1.5 -CC-FSPR DLM Mean Catch/MSY Ensemble ES-FM ES-Frecent ES-FSPR ES-Fstable Islope Itarget PlanB 0.5 Skate 0.0

100

50

150

200

50

0

100

150

200

Ö

Scenario

Catch I_avg_catch_msy s_avg_catch_msy 2.0 1.5 -Mean Catch/MSY factor(Fhist) 2 0.5 0.0 -50 100 150 200 50 100 200 Ö 150 Scenario

Catch I_avg_catch_msy s_avg_catch_msy 2.0 1.5 -Mean Catch/MSY factor(n_selblocks) 2 0.5 0.0 50 150 200 100 100 50 200 Ö 150 Scenario

Catch I_avg_catch_msy s_avg_catch_msy 2.0 1.5 -Mean Catch/MSY factor(catch.mult) 0.75 0.5 0.0 -50 200 100 150 50 100 150 200 Ö Scenario

Catch a_iav_catch I_iav_catch 2.0 1.5 1.0 0.5 Mean of Metric s_iav_catch I_prop_g_msy_2_of_3 2.0 1.5 1.0 0.5 0.0 50 100 150 200 50 100 200 150 Ö Scenario

Catch I_iav_catch a_iav_catch 2.0 1.5 1.0 0.5 Mean of Metric retro_type Catch s_iav_catch I_prop_g_msy_2_of_3 Μ 2.0 1.5 1.0 0.5 0.0 150 50 50 100 200 100 150 200 Ö Scenario

