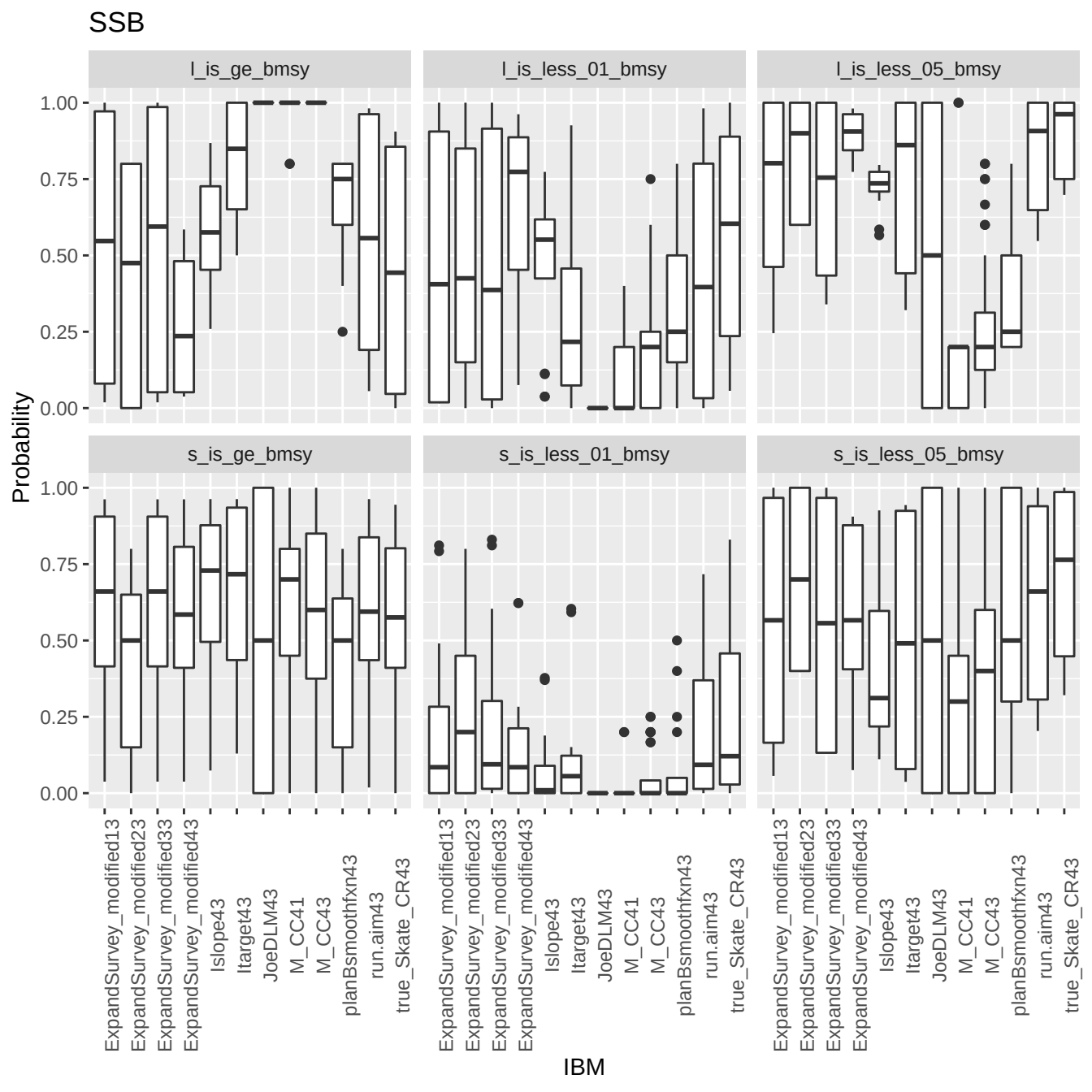
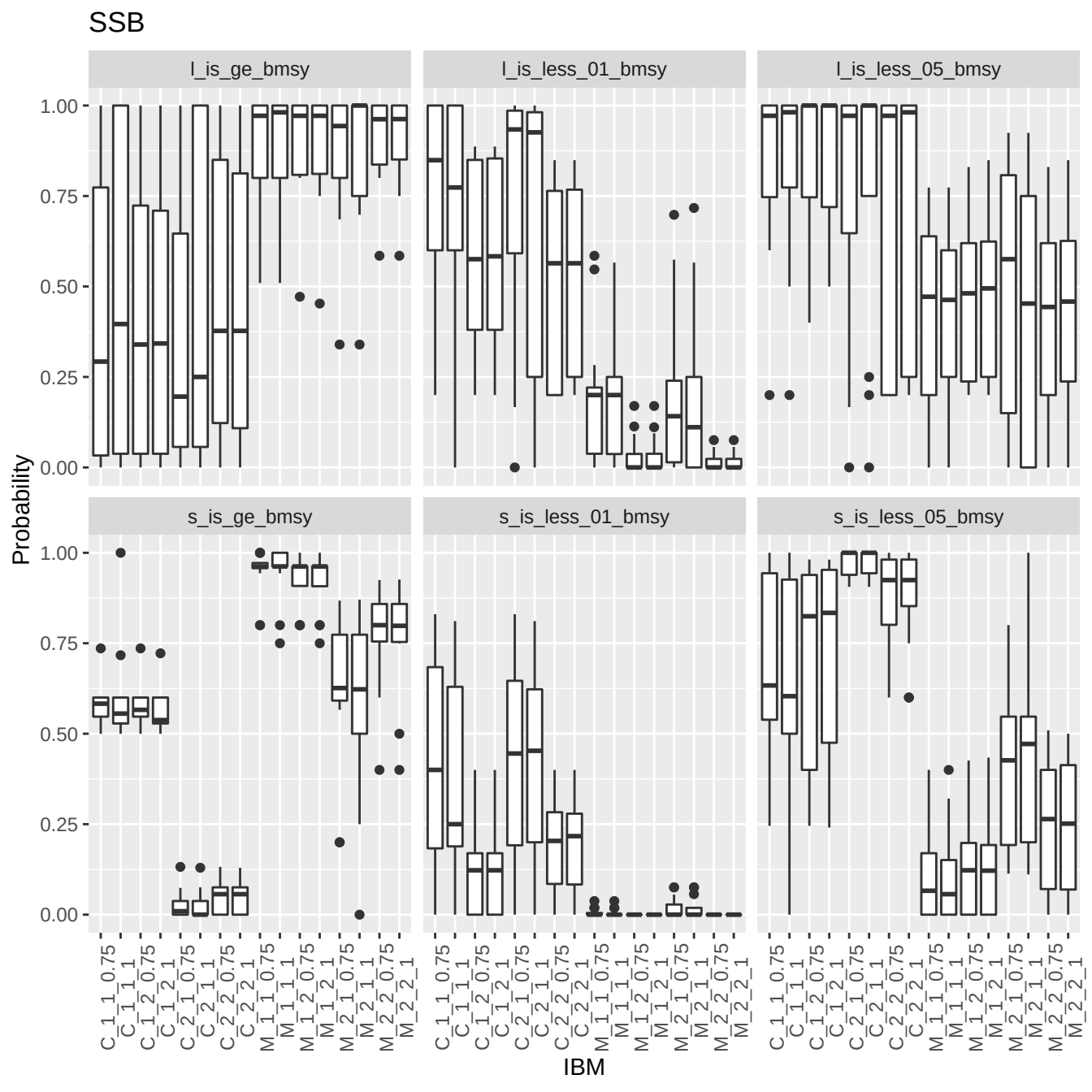
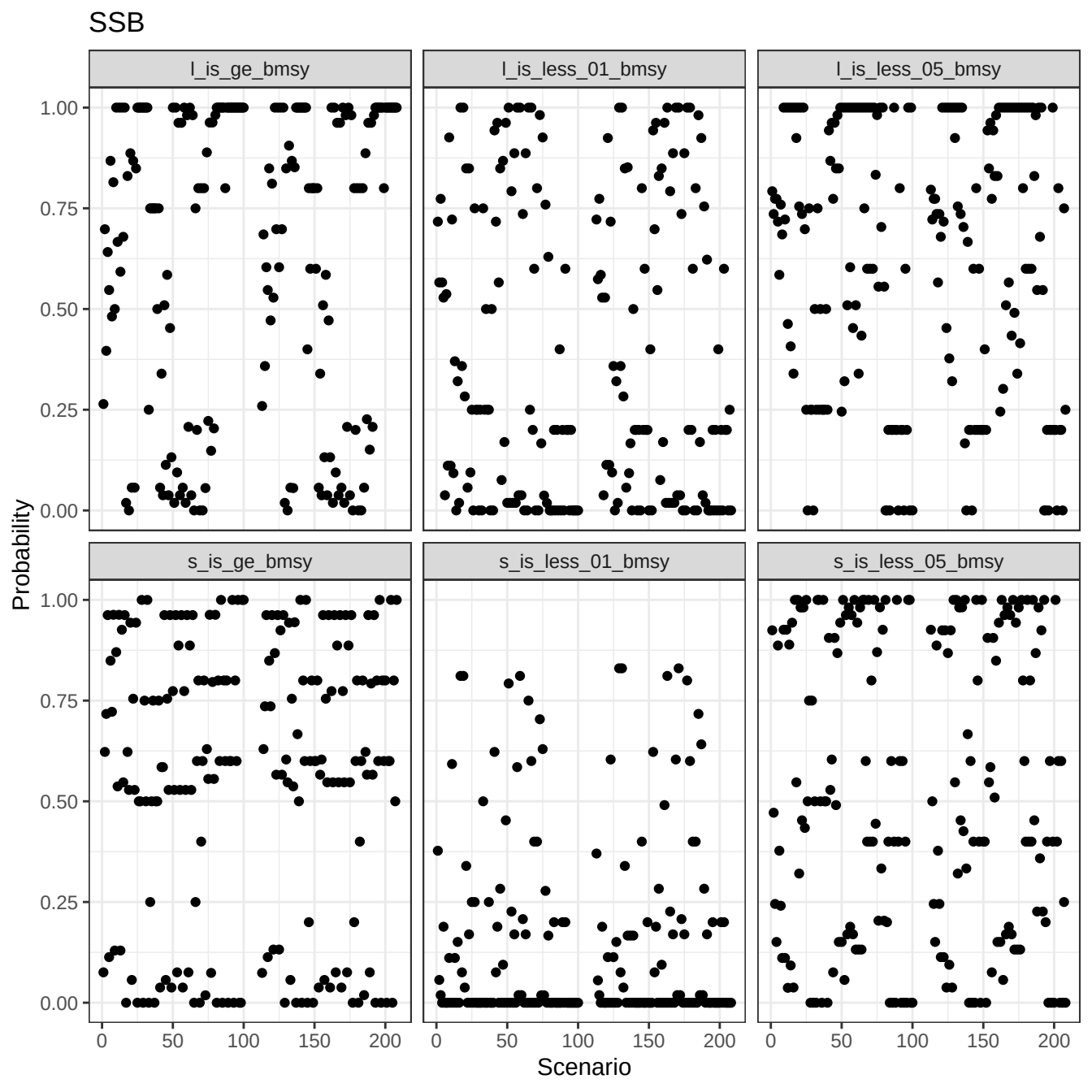
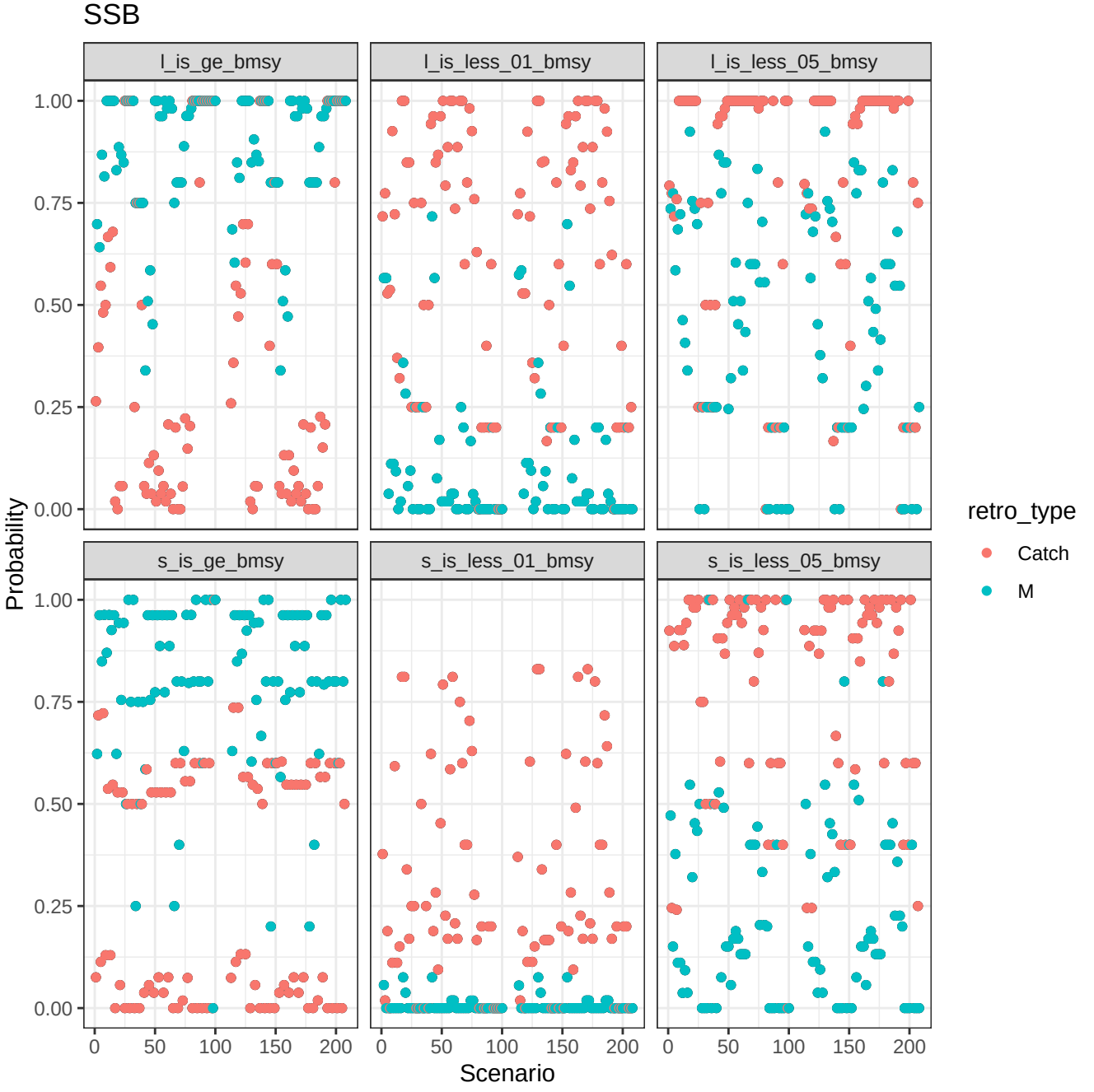
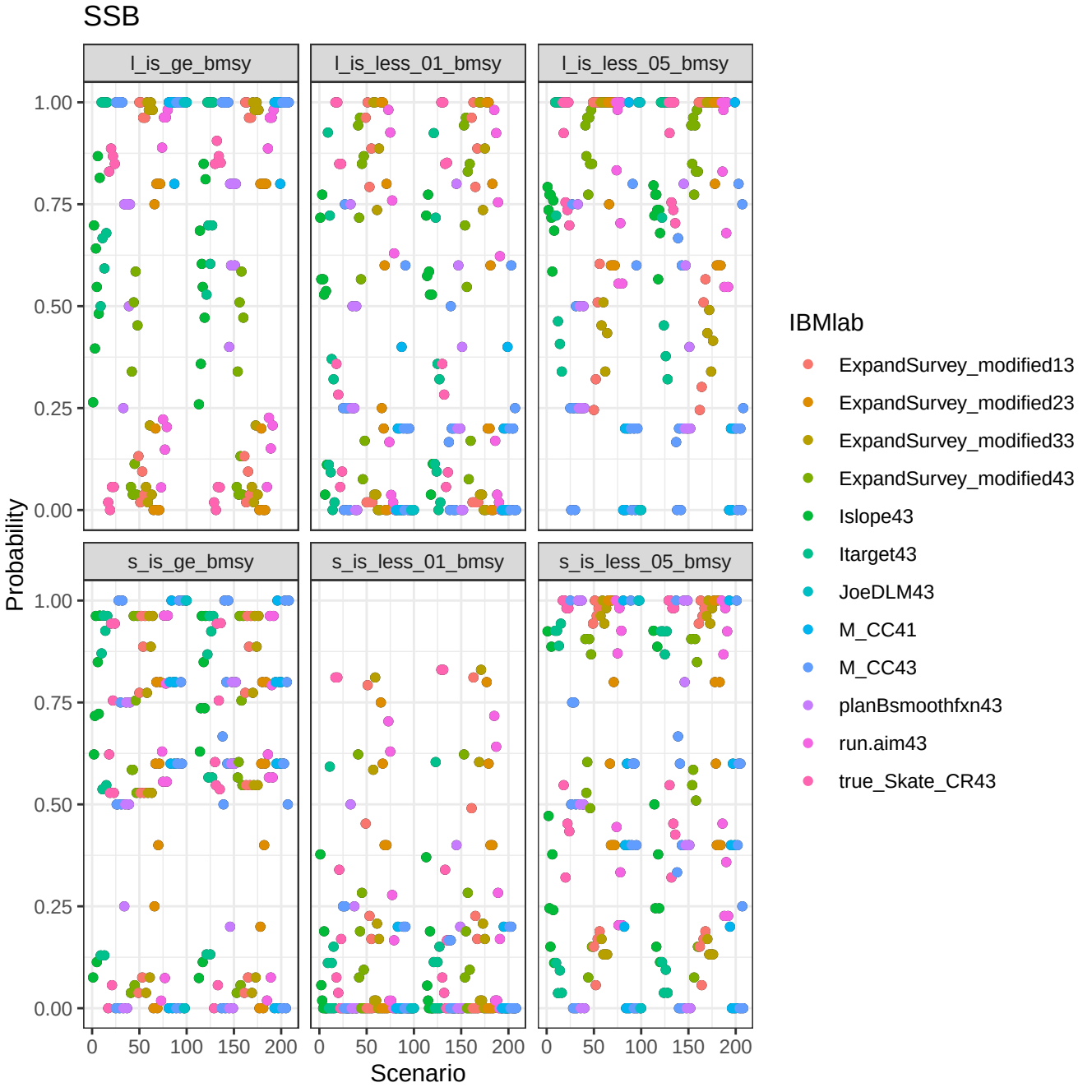
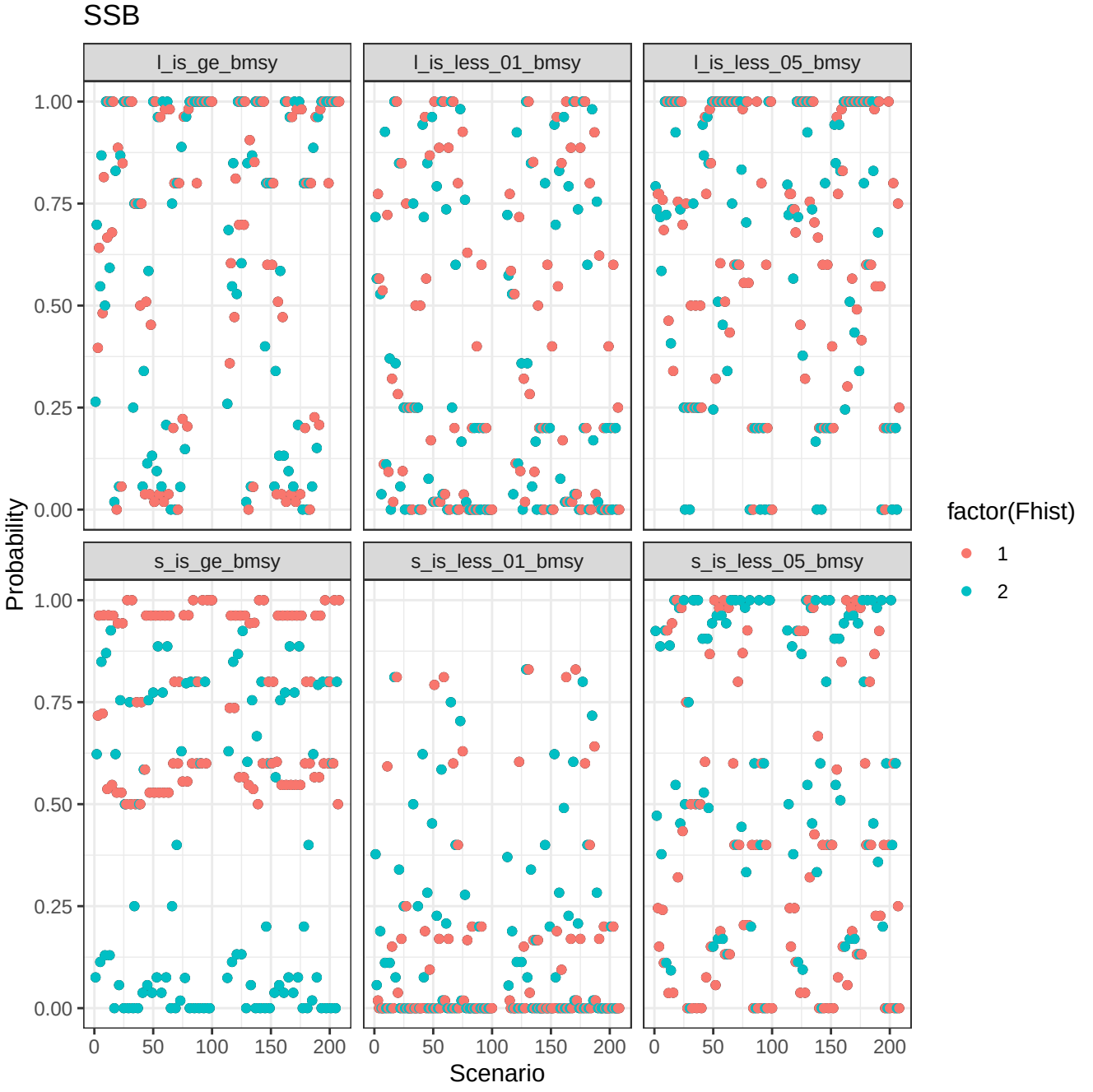

SSB
l_is_ge_bmsy
l_is_less_01_bmsy
l_is_less_05_bmsy
s_is_ge_bmsy
s_is_less_01_bmsy
s_is_less_05_bmsy
Probability
1.00
0.75
0.50
0.25
0.00
ExpandSurvey_modified13
ExpandSurvey_modified23
ExpandSurvey_modified33
ExpandSurvey_modified43
Islope43
Itarget43
JoeDLM43
M_CC41
M_CC43
planBsmoothfxn43
run.aim43
true_Skate_CR43
IBM

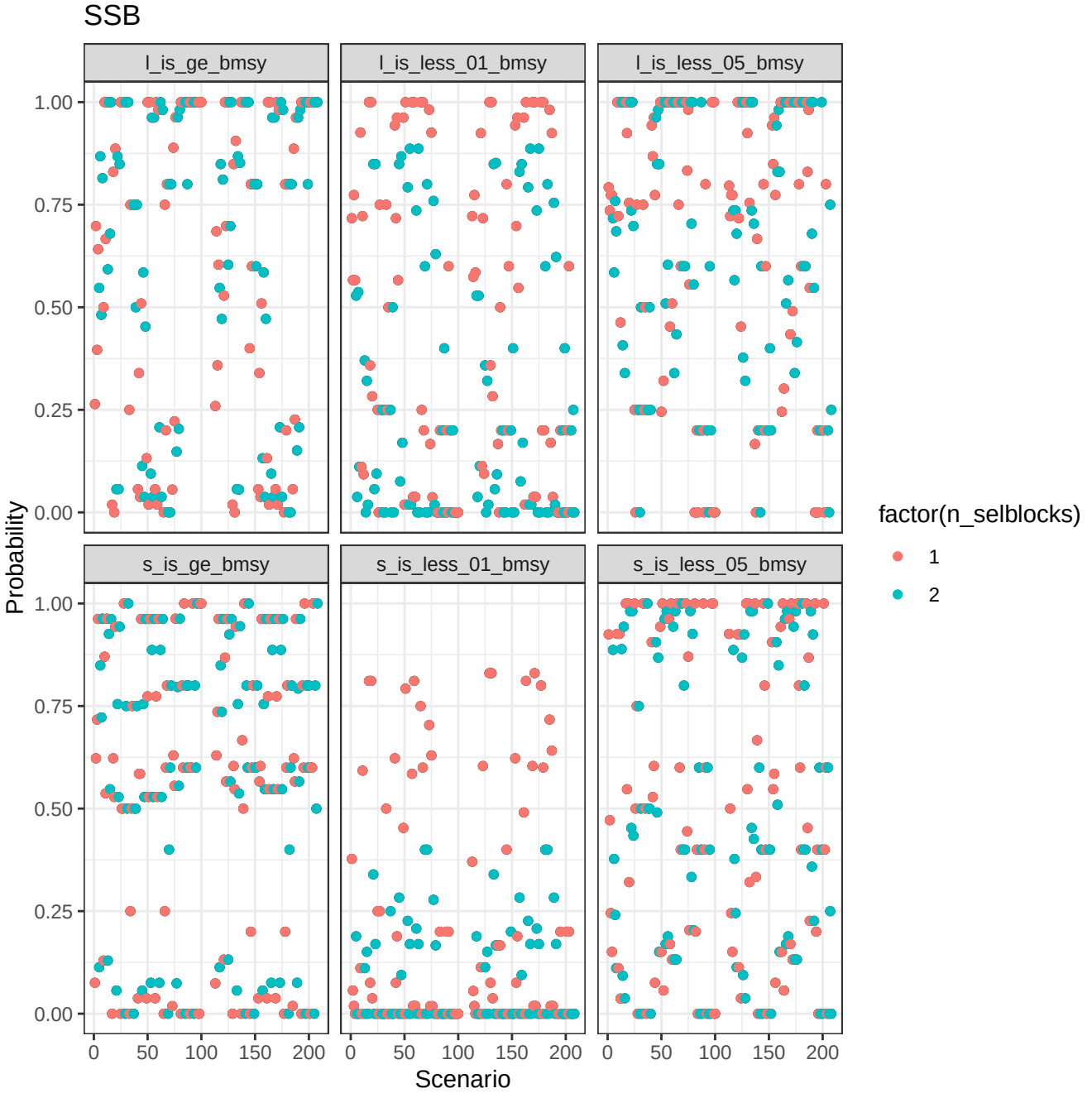

SSB
l_is_ge_bmsy
l_is_less_01_bmsy
l_is_less_05_bmsy
s_is_ge_bmsy
s_is_less_01_bmsy
s_is_less_05_bmsy
Probability
1.00
0.75
0.50
0.25
0.00
C_1_1_0.75
C_1_1_1
C_1_2_0.75
C_1_2_1
C_2_1_0.75
C_2_1_1
C_2_2_0.75
C_2_2_1
M_1_1_0.75
M_1_1_1
M_1_2_0.75
M_1_2_1
M_2_1_0.75
M_2_1_1
M_2_2_0.75
M_2_2_1
IBM

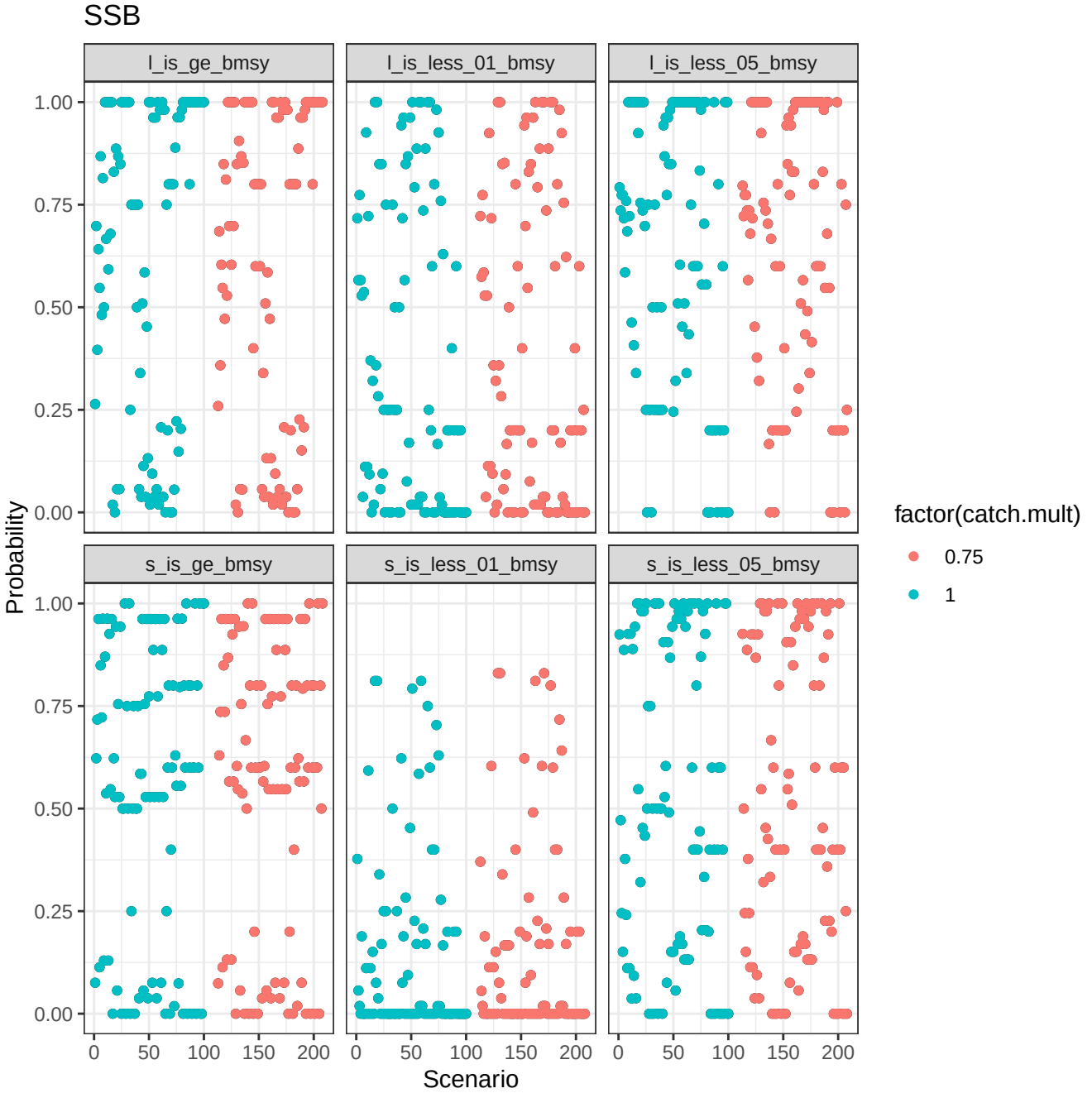

SSB
l_is_ge_bmsy
l_is_less_01_bmsy
l_is_less_05_bmsy
s_is_ge_bmsy
s_is_less_01_bmsy
s_is_less_05_bmsy
Probability
1.00
0.75
0.50
0.25
0.00
0
50
100
150
200
Scenario

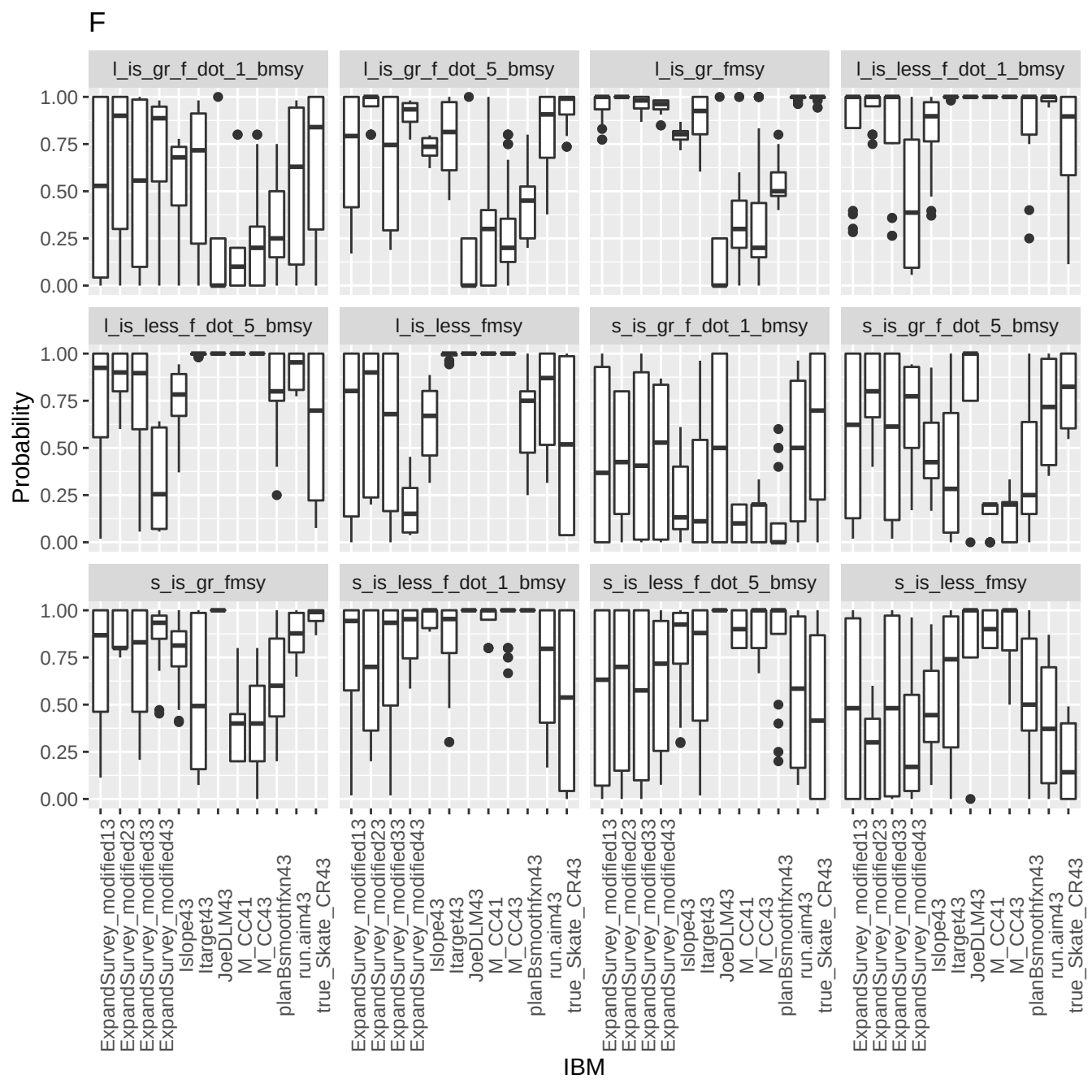

SSB
I_is_ge_bmsy
I_is_less_01_bmsy
I_is_less_05_bmsy
s_is_ge_bmsy
s_is_less_01_bmsy
s_is_less_05_bmsy
Probability
1.00
0.75
0.50
0.25
0.00
0
50
100
150
200
Scenario
retro_type
Catch
M


SSB
l_is_ge_bmsy
l_is_less_01_bmsy
l_is_less_05_bmsy
s_is_ge_bmsy
s_is_less_01_bmsy
s_is_less_05_bmsy
Probability
1.00
0.75
0.50
0.25
0.00
0
50
100
150
200
Scenario
IBMlab
ExpandSurvey_modified13
ExpandSurvey_modified23
ExpandSurvey_modified33
ExpandSurvey_modified43
Islope43
Itarget43
JoeDLM43
M_CC41
M_CC43
planBsmoothfxn43
run.aim43
true_Skate_CR43

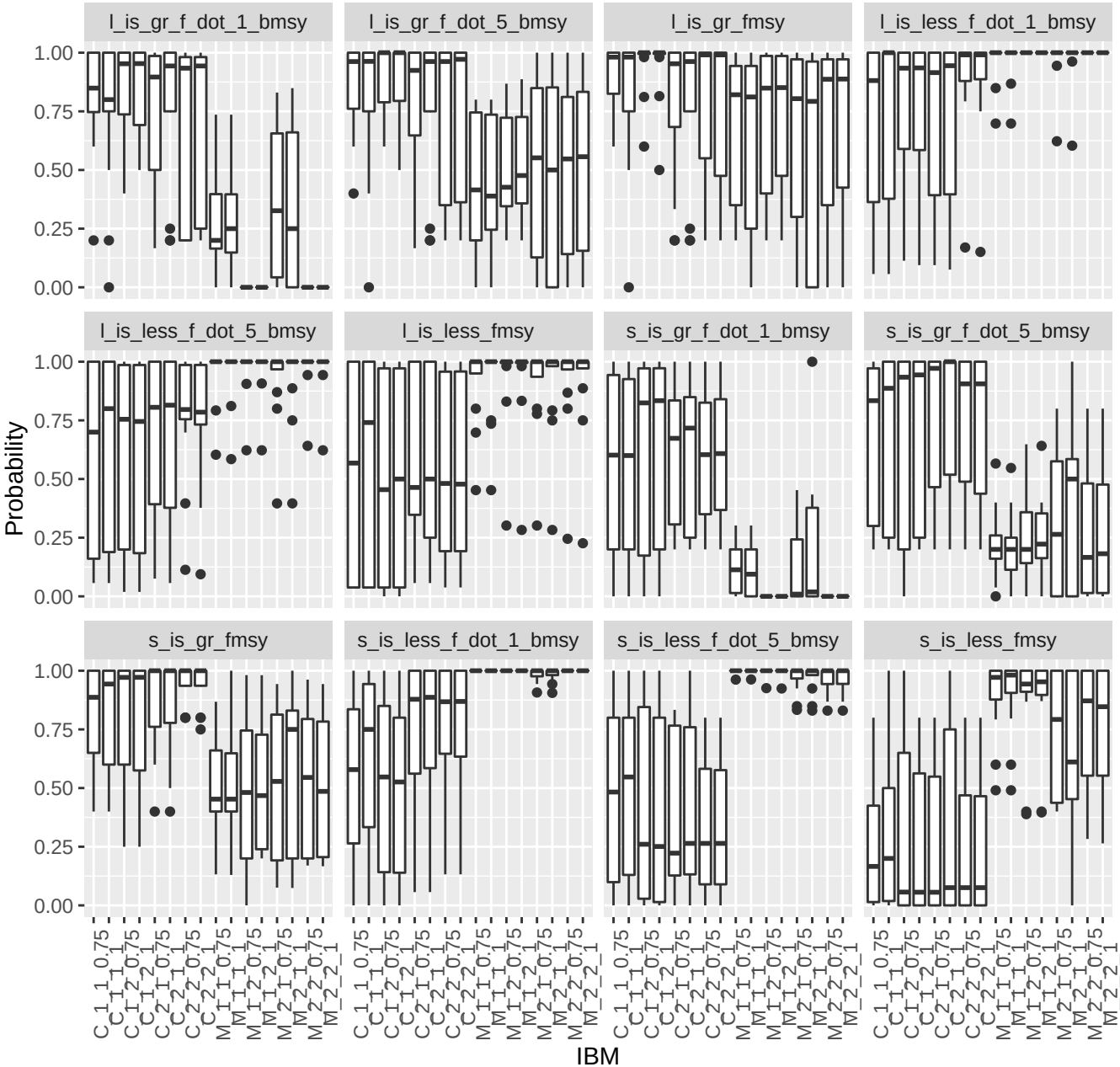

SSB
l_is_ge_bmsy
l_is_less_01_bmsy
l_is_less_05_bmsy
s_is_ge_bmsy
s_is_less_01_bmsy
s_is_less_05_bmsy
Probability
1.00
0.75
0.50
0.25
0.00
0
50
100
150
200
Scenario
factor(Fhist)
1
2

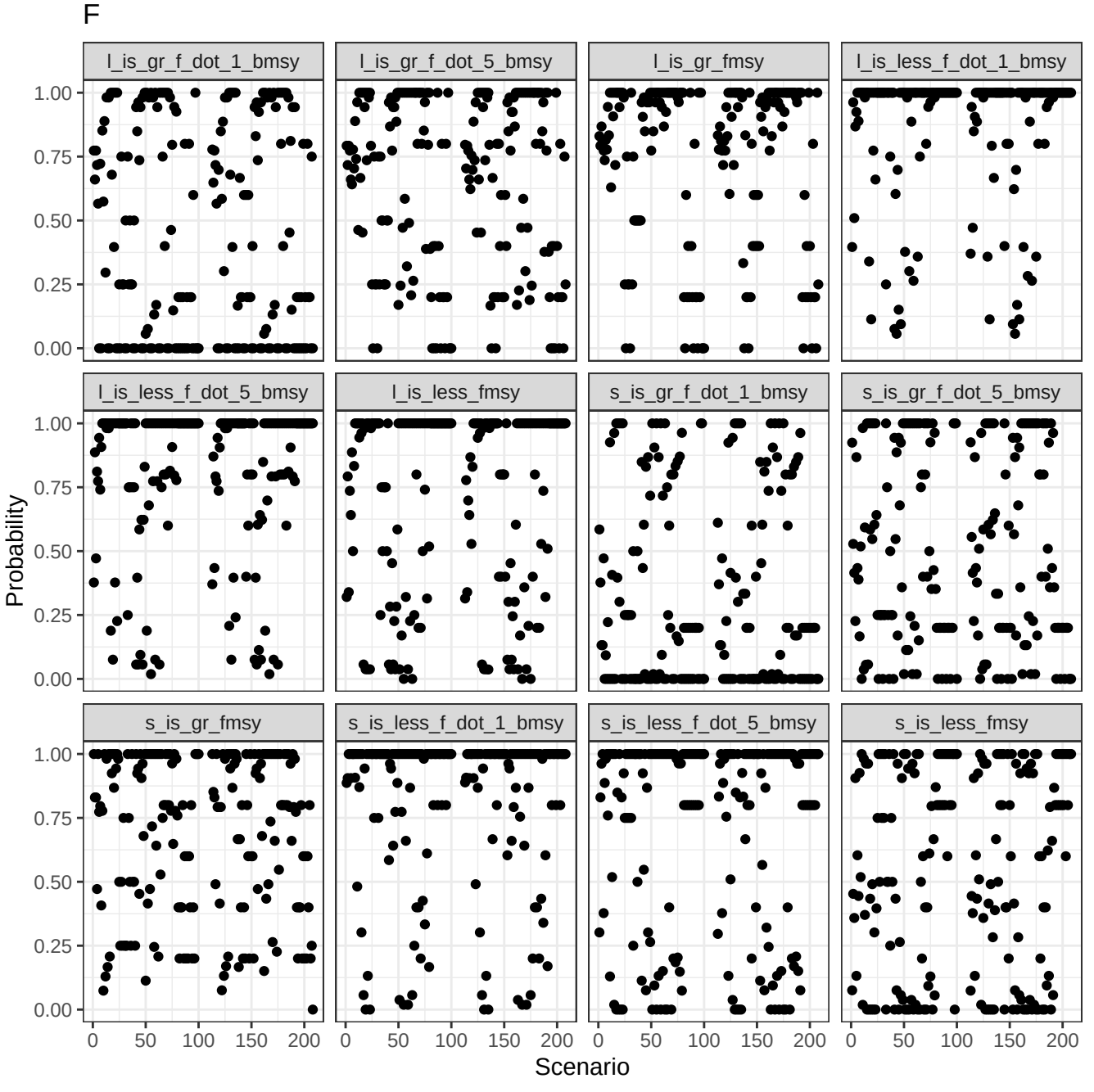

SSB
l_is_ge_bmsy
l_is_less_01_bmsy
l_is_less_05_bmsy
s_is_ge_bmsy
s_is_less_01_bmsy
s_is_less_05_bmsy
Probability
1.00
0.75
0.50
0.25
0.00
0
50
100
150
200
Scenario
factor(n_selblocks)
1
2

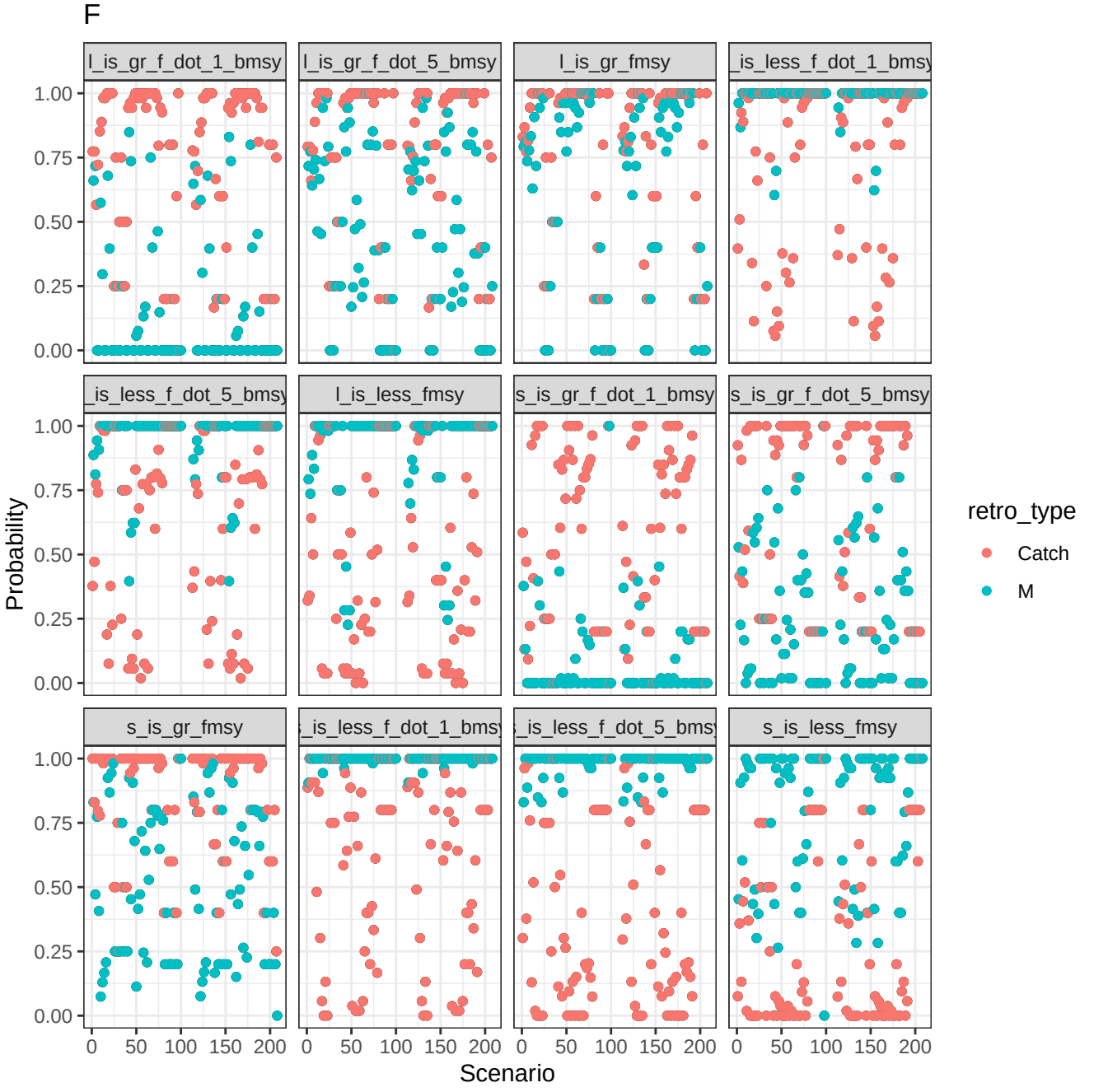

SSB
I_is_ge_bmsy
I_is_less_01_bmsy
I_is_less_05_bmsy
s_is_ge_bmsy
s_is_less_01_bmsy
s_is_less_05_bmsy
Probability
1.00
0.75
0.50
0.25
0.00
0
50
100
150
200
Scenario
factor(catch.mult)
0.75
1

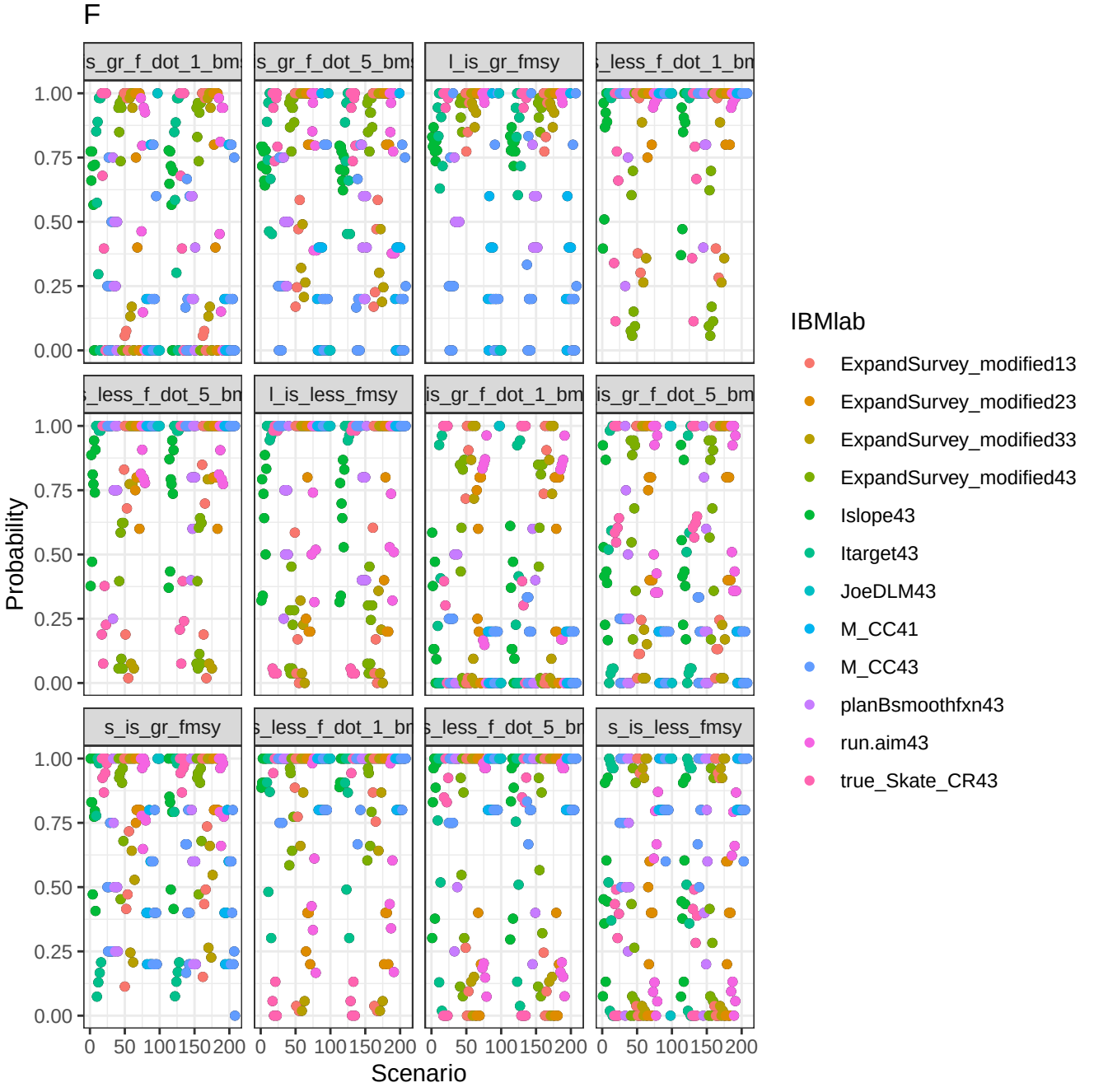

F
l_is_gr_f_dot_1_bmsy
l_is_gr_f_dot_5_bmsy
l_is_gr_fmsy
l_is_less_f_dot_1_bmsy
l_is_less_f_dot_5_bmsy
l_is_less_fmsy
s_is_gr_f_dot_1_bmsy
s_is_gr_f_dot_5_bmsy
s_is_gr_fmsy
s_is_less_f_dot_1_bmsy
s_is_less_f_dot_5_bmsy
s_is_less_fmsy
Probability
1.00
0.75
0.50
0.25
0.00
ExpandSurvey_modified13
ExpandSurvey_modified23
ExpandSurvey_modified33
ExpandSurvey_modified43
Islope43
Itarget43
JoeDLM43
M_CC41
M_CC43
planBsmoothfxn43
run.aim43
true_Skate_CR43
IBM

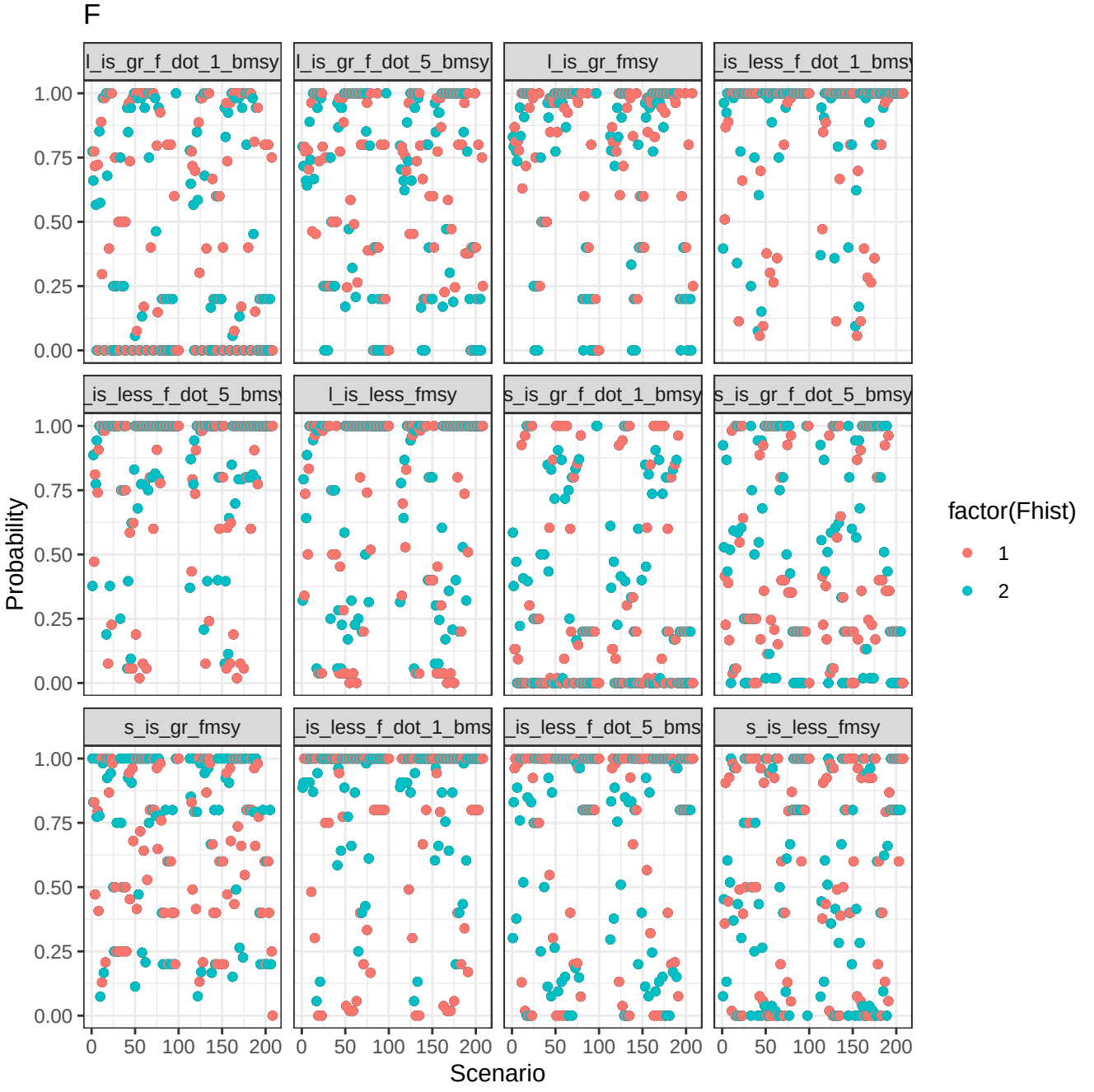
F

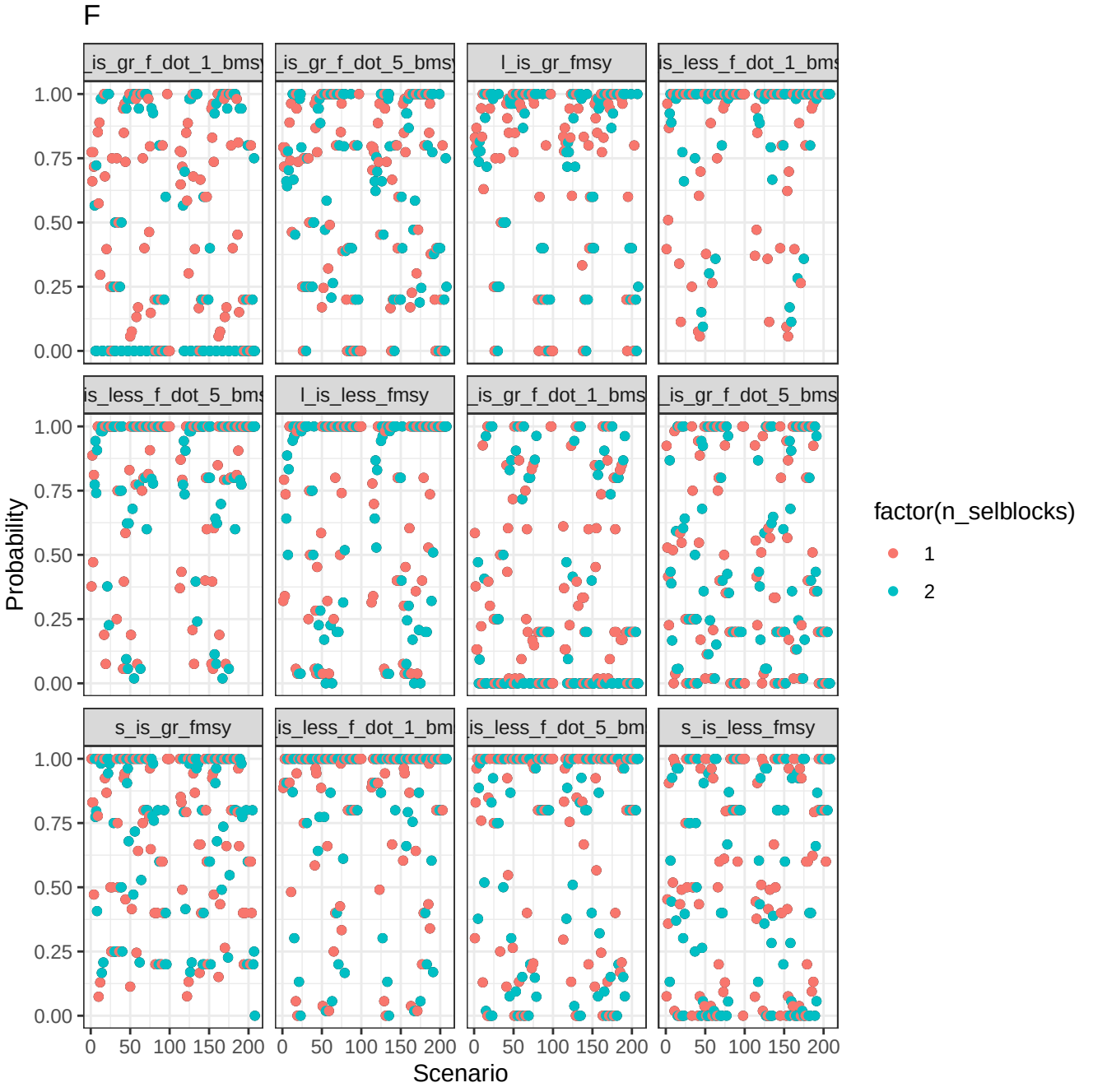

l_is_gr_f_dot_1_bmsy
l_is_gr_f_dot_5_bmsy
l_is_gr_fmsy
l_is_less_f_dot_1_bmsy
l_is_less_f_dot_5_bmsy
l_is_less_fmsy
s_is_gr_f_dot_1_bmsy
s_is_gr_f_dot_5_bmsy
s_is_gr_fmsy
s_is_less_f_dot_1_bmsy
s_is_less_f_dot_5_bmsy
s_is_less_fmsy
Probability
1.00
0.75
0.50
0.25
0.00
C_1_1_0.75
C_1_1_1
C_1_2_0.75
C_1_2_1
C_2_1_0.75
C_2_1_1
C_2_2_0.75
C_2_2_1
M_1_1_0.75
M_1_1_1
M_1_2_0.75
M_1_2_1
M_2_1_0.75
M_2_1_1
M_2_2_0.75
M_2_2_1
IBM

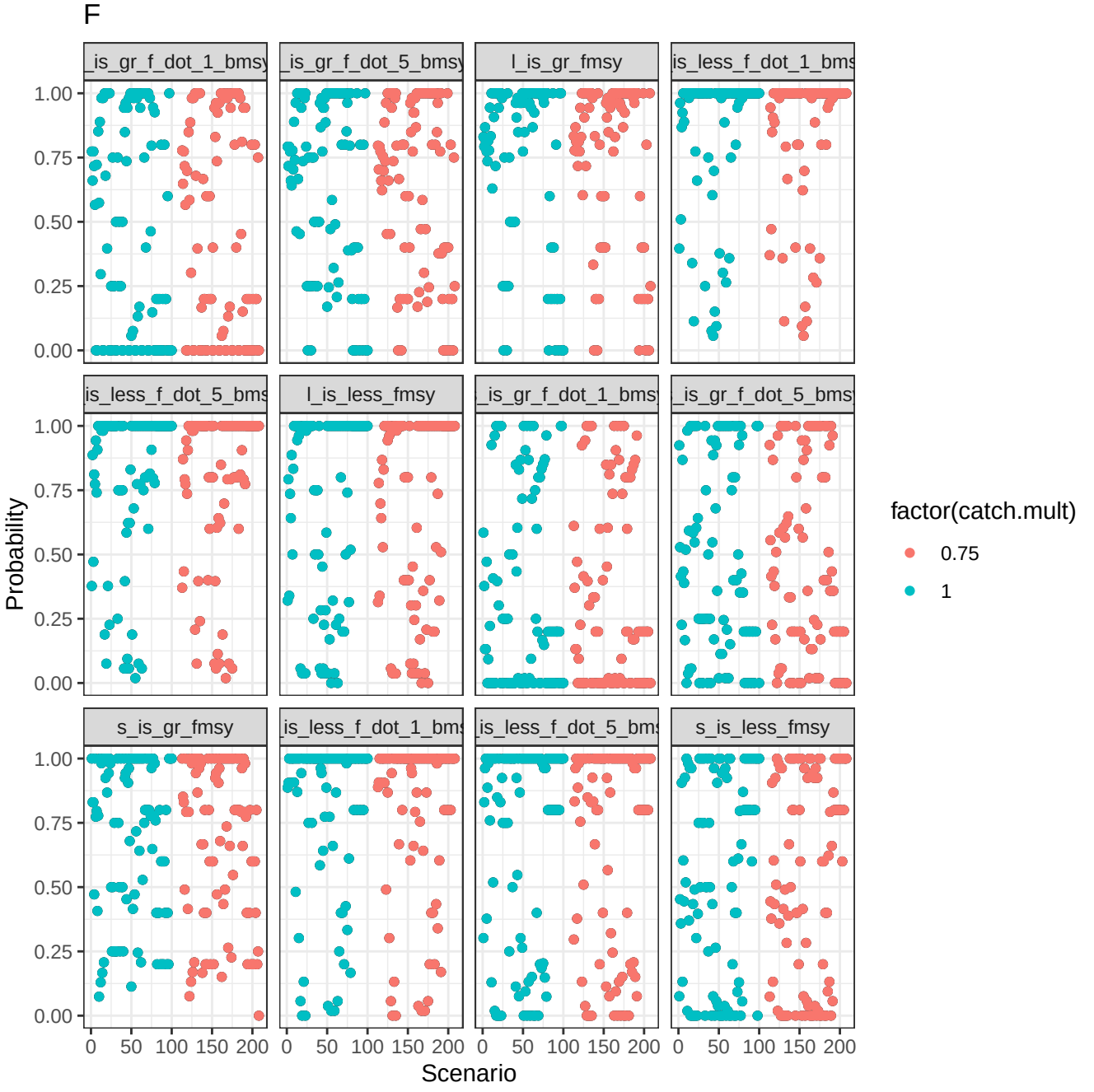

F
l_is_gr_f_dot_1_bmsy
l_is_gr_f_dot_5_bmsy
l_is_gr_fmsy
l_is_less_f_dot_1_bmsy
l_is_less_f_dot_5_bmsy
l_is_less_fmsy
s_is_gr_f_dot_1_bmsy
s_is_gr_f_dot_5_bmsy
s_is_gr_fmsy
s_is_less_f_dot_1_bmsy
s_is_less_f_dot_5_bmsy
s_is_less_fmsy
Probability
0.00
0.25
0.50
0.75
1.00
0
50
100
150
200
Scenario

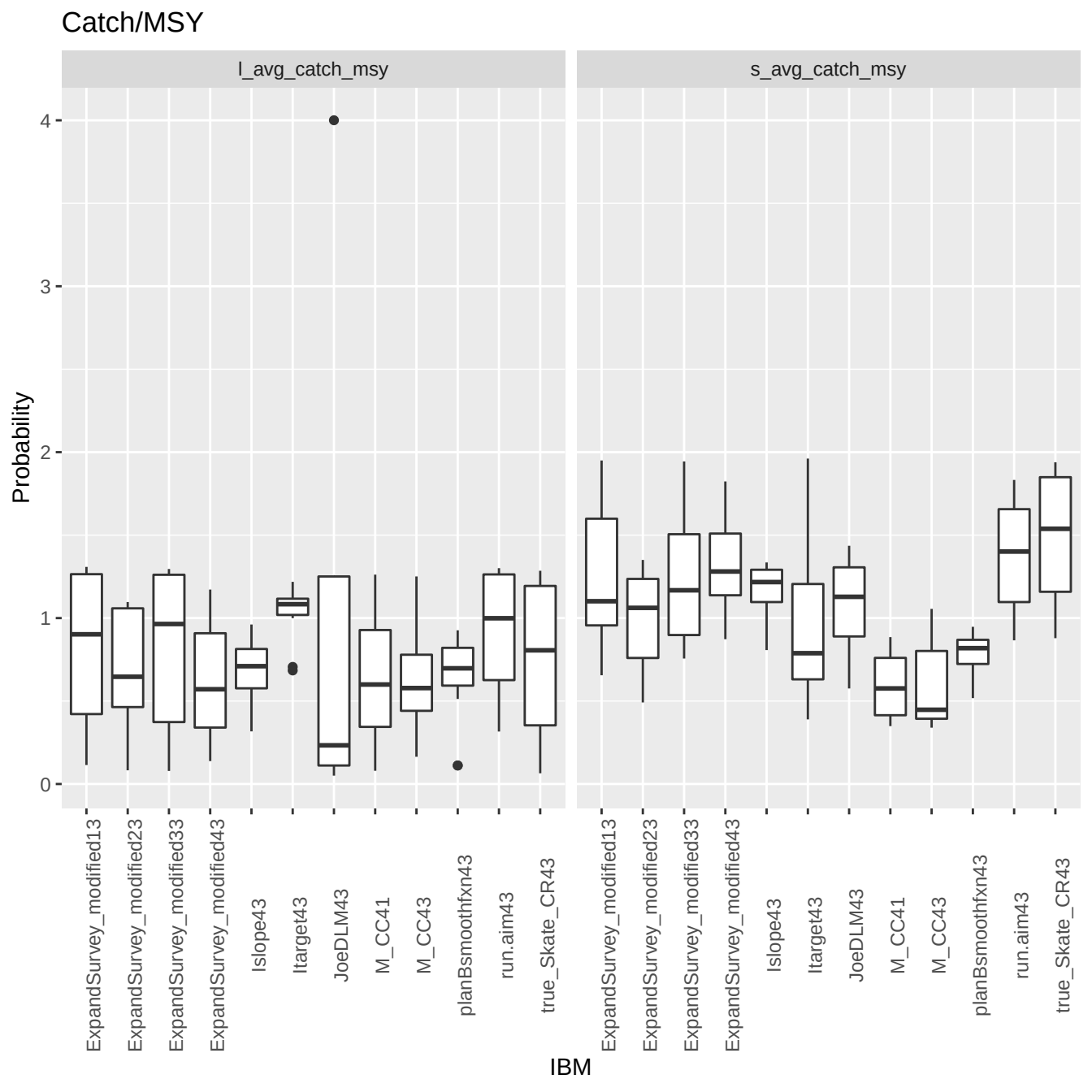

F
l_is_gr_f_dot_1_bmsy
l_is_gr_f_dot_5_bmsy
l_is_gr_fmsy
_is_less_f_dot_1_bmsy
_is_less_f_dot_5_bmsy
l_is_less_fmsy
s_is_gr_f_dot_1_bmsy
s_is_gr_f_dot_5_bmsy
s_is_gr_fmsy
_is_less_f_dot_1_bmsy
_is_less_f_dot_5_bmsy
s_is_less_fmsy
Probability
1.00
0.75
0.50
0.25
0.00
0
50
100
150
200
Scenario
retro_type
Catch
M

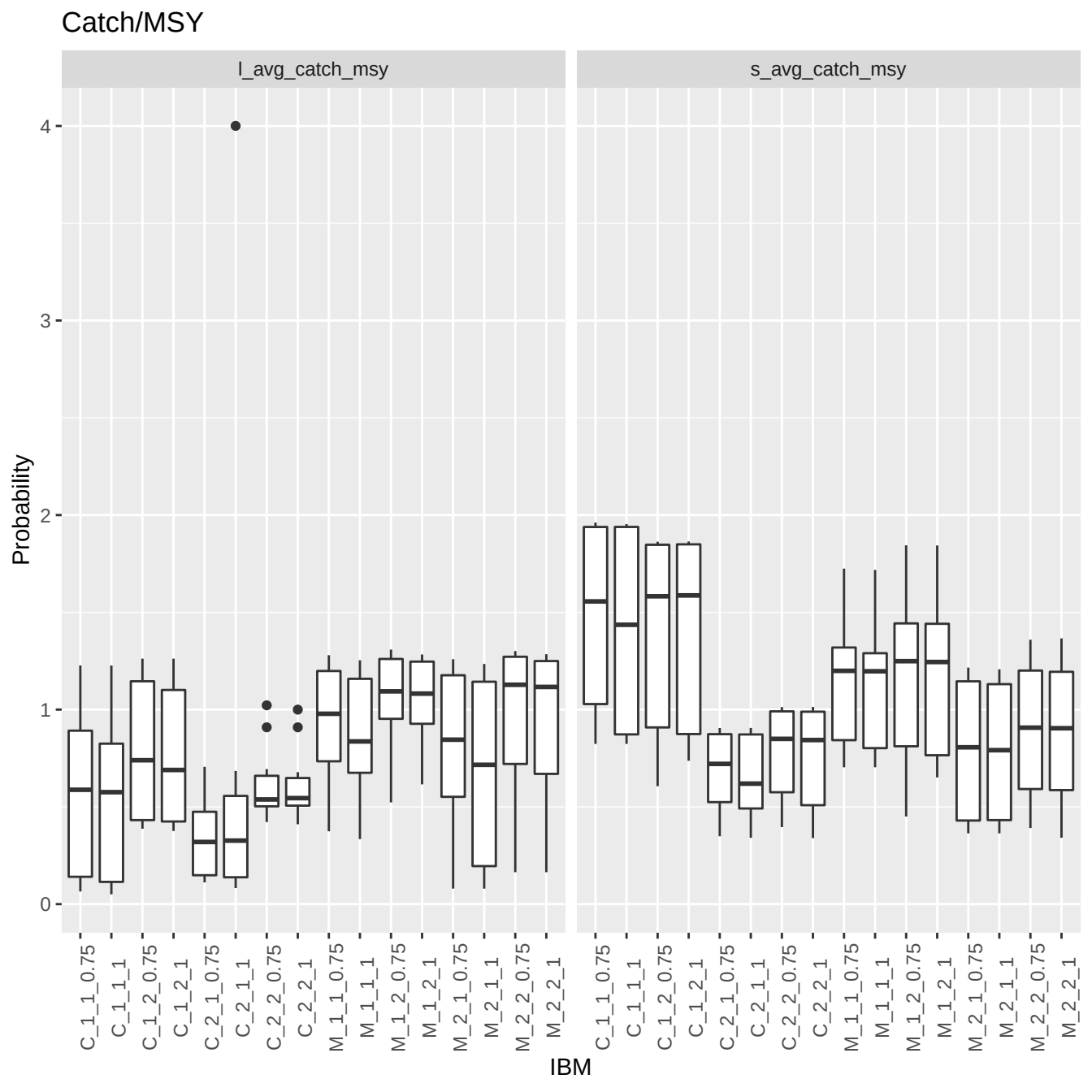

F
s_gr_f_dot_1_bm
s_gr_f_dot_5_bm
l_is_gr_fmsy
_less_f_dot_1_bn
_less_f_dot_5_bn
l_is_less_fmsy
is_gr_f_dot_1_bm
is_gr_f_dot_5_bm
s_is_gr_fmsy
s_less_f_dot_1_br
s_less_f_dot_5_br
s_is_less_fmsy
Probability
0.00
0.25
0.50
0.75
1.00
0
50
100
150
200
Scenario
IBMlab
ExpandSurvey_modified13
ExpandSurvey_modified23
ExpandSurvey_modified33
ExpandSurvey_modified43
Islope43
Itarget43
JoeDLM43
M_CC41
M_CC43
planBsmoothfxn43
run.aim43
true_Skate_CR43

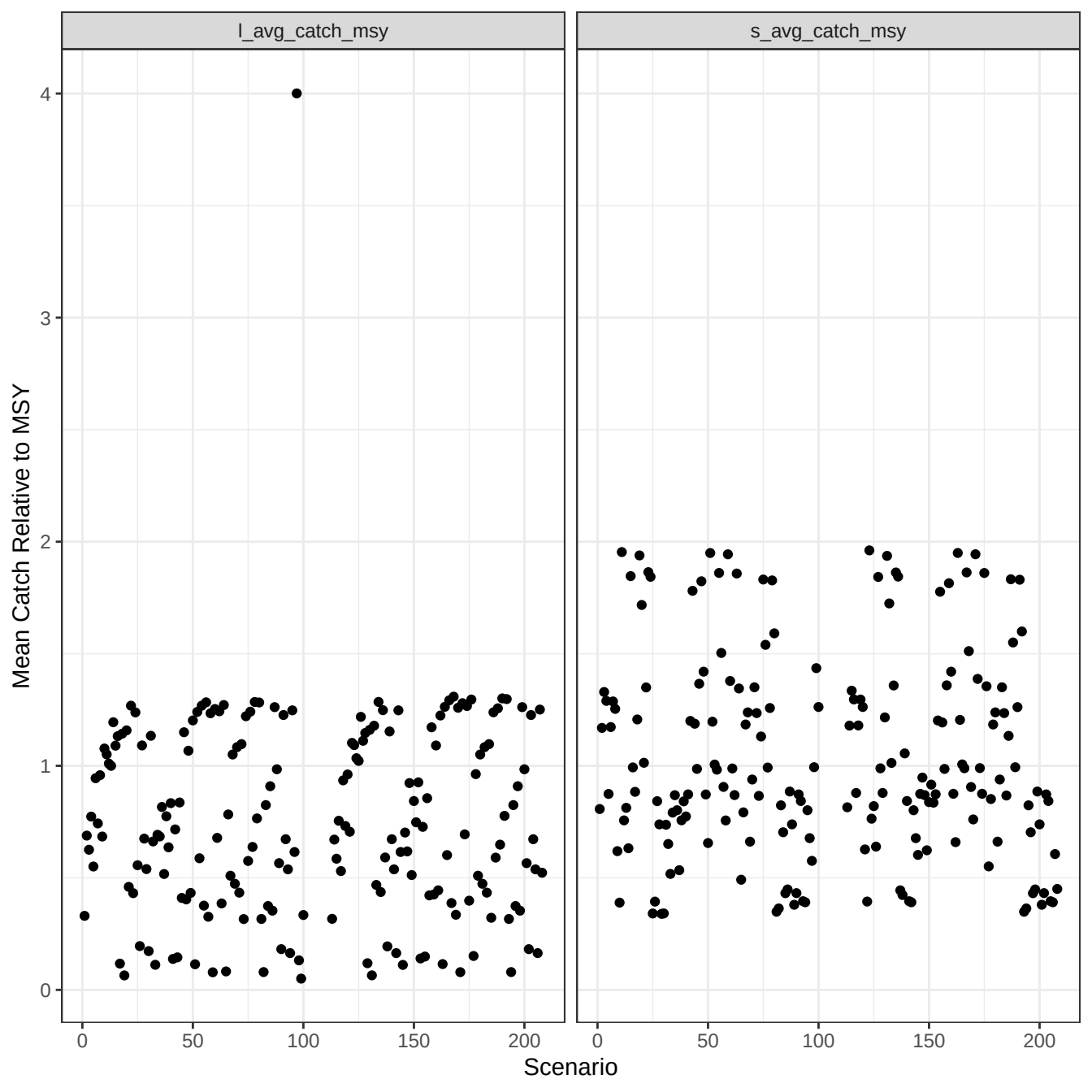

F
l_is_gr_f_dot_1_bmsy
l_is_gr_f_dot_5_bmsy
l_is_gr_fmsy
_is_less_f_dot_1_bmsy
_is_less_f_dot_5_bmsy
l_is_less_fmsy
s_is_gr_f_dot_1_bmsy
s_is_gr_f_dot_5_bmsy
s_is_gr_fmsy
_is_less_f_dot_1_bms
_is_less_f_dot_5_bms
s_is_less_fmsy
Probability
0.00
0.25
0.50
0.75
1.00
0
50
100
150
200
Scenario
factor(Fhist)
1
2

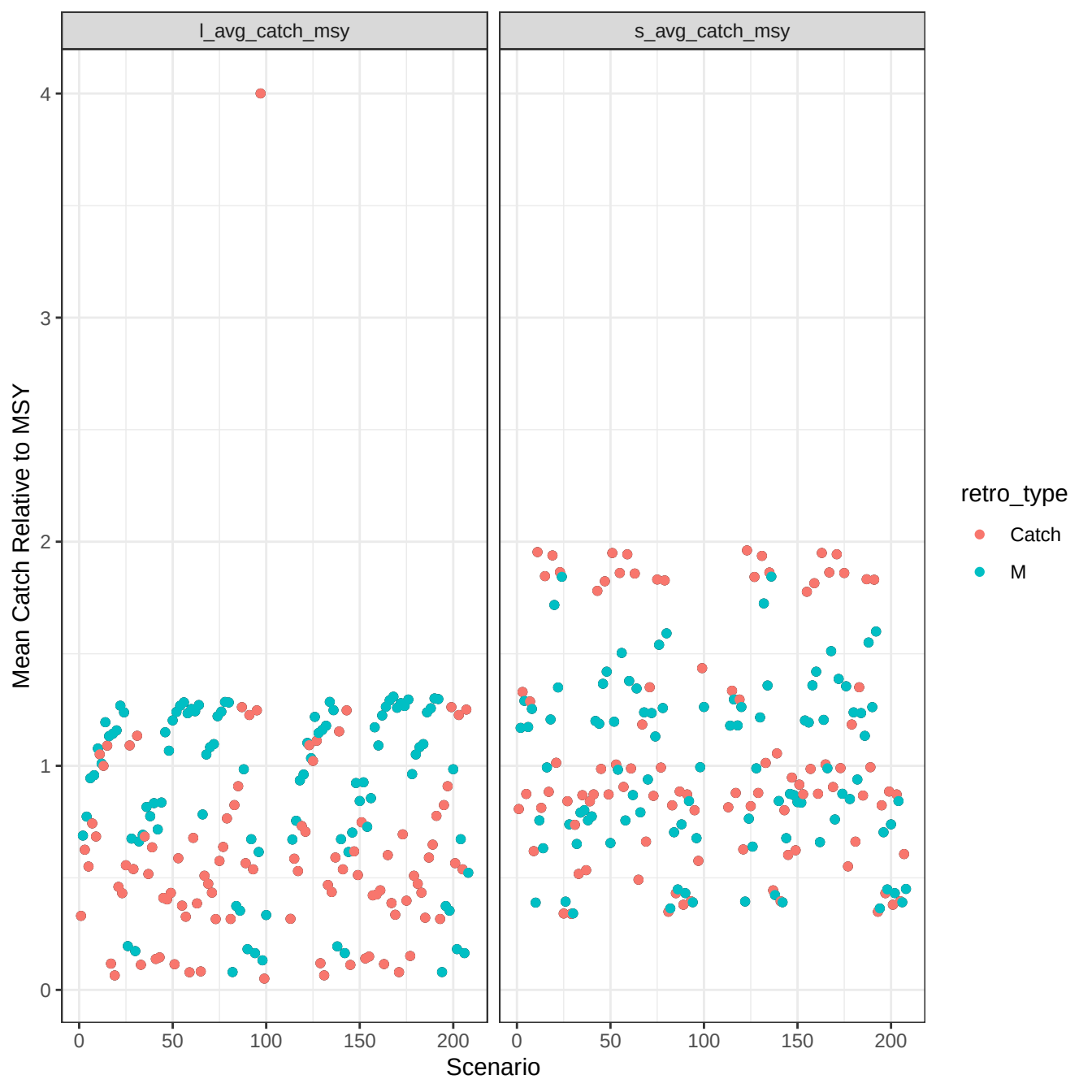

F
_is_gr_f_dot_1_bmsy
_is_gr_f_dot_5_bmsy
l_is_gr_fmsy
is_less_f_dot_1_bms
is_less_f_dot_5_bms
l_is_less_fmsy
_is_gr_f_dot_1_bms
_is_gr_f_dot_5_bms
s_is_gr_fmsy
is_less_f_dot_1_bm
is_less_f_dot_5_bm
s_is_less_fmsy
Probability
0.00
0.25
0.50
0.75
1.00
0
50
100
150
200
Scenario
factor(n_selblocks)
1
2

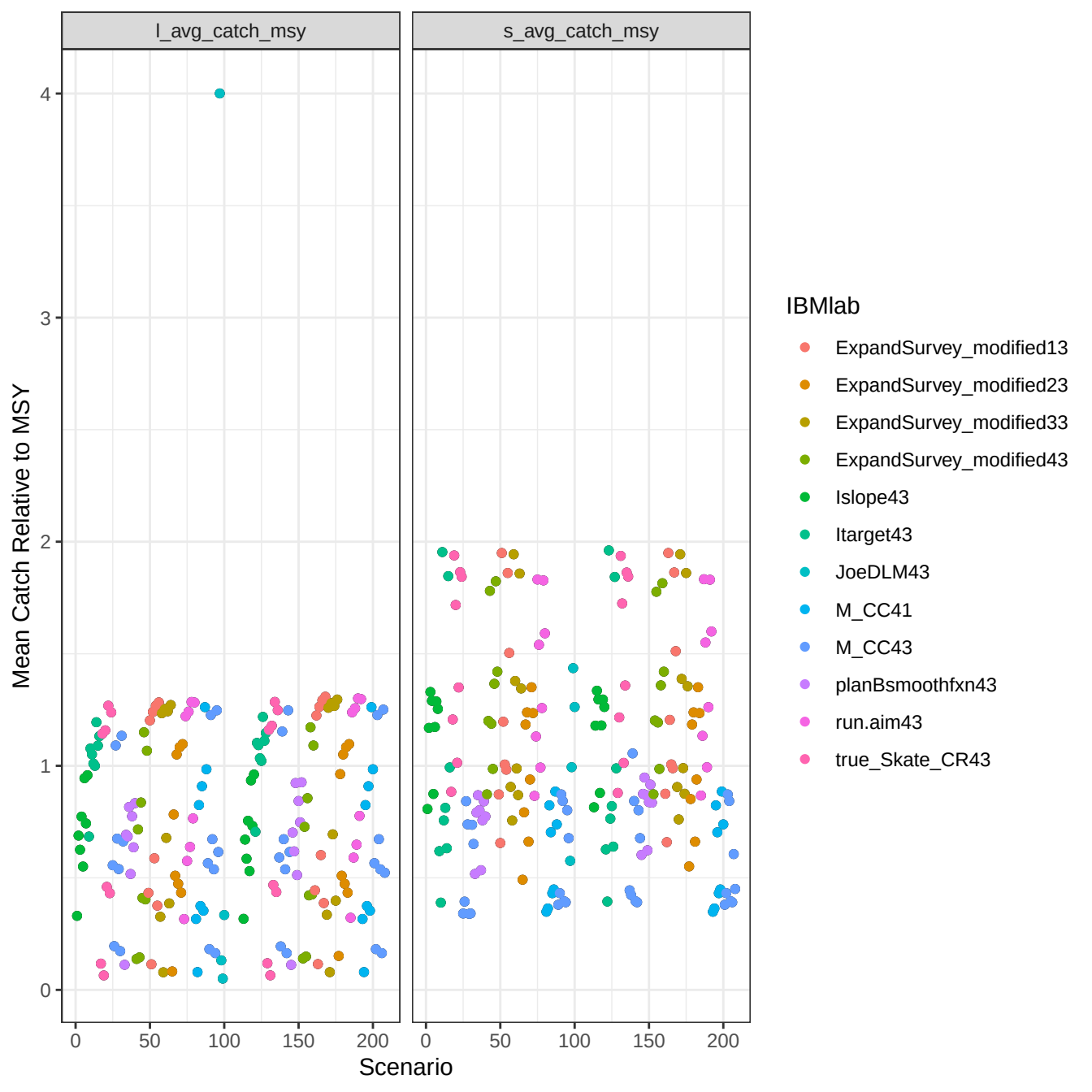

F
_is_gr_f_dot_1_bmsy
_is_gr_f_dot_5_bmsy
l_is_gr_fmsy
is_less_f_dot_1_bms
is_less_f_dot_5_bms
l_is_less_fmsy
_is_gr_f_dot_1_bms
_is_gr_f_dot_5_bms
s_is_gr_fmsy
is_less_f_dot_1_bms
is_less_f_dot_5_bms
s_is_less_fmsy
Probability
1.00
0.75
0.50
0.25
0.00
0
50
100
150
200
Scenario
factor(catch.mult)
0.75
1

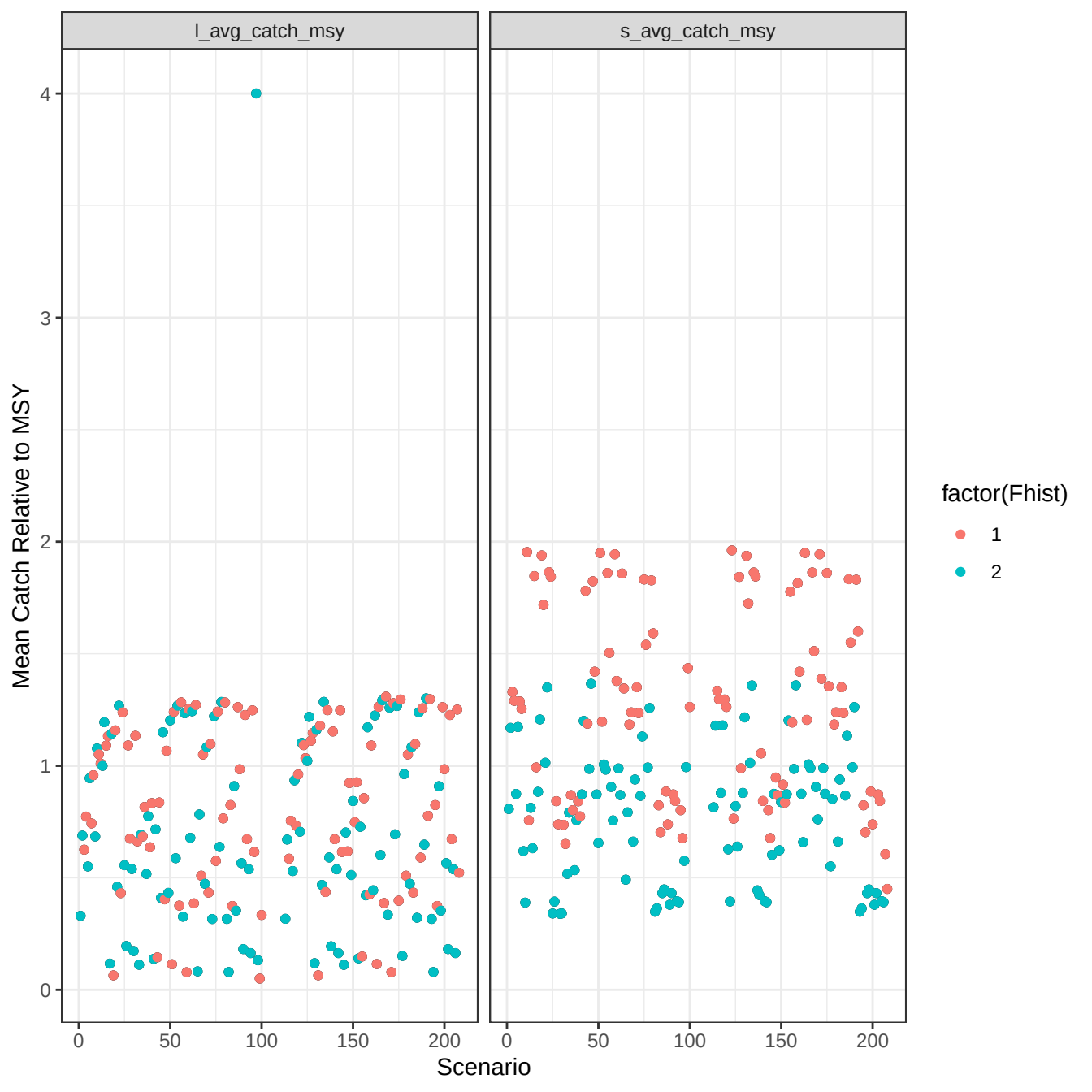

Catch/MSY
l_avg_catch_msy
s_avg_catch_msy
Probability
0
1
2
3
4
ExpandSurvey_modified13
ExpandSurvey_modified23
ExpandSurvey_modified33
ExpandSurvey_modified43
Islope43
Itarget43
JoeDLM43
M_CC41
M_CC43
planBsmoothfxn43
run.aim43
true_Skate_CR43
IBM

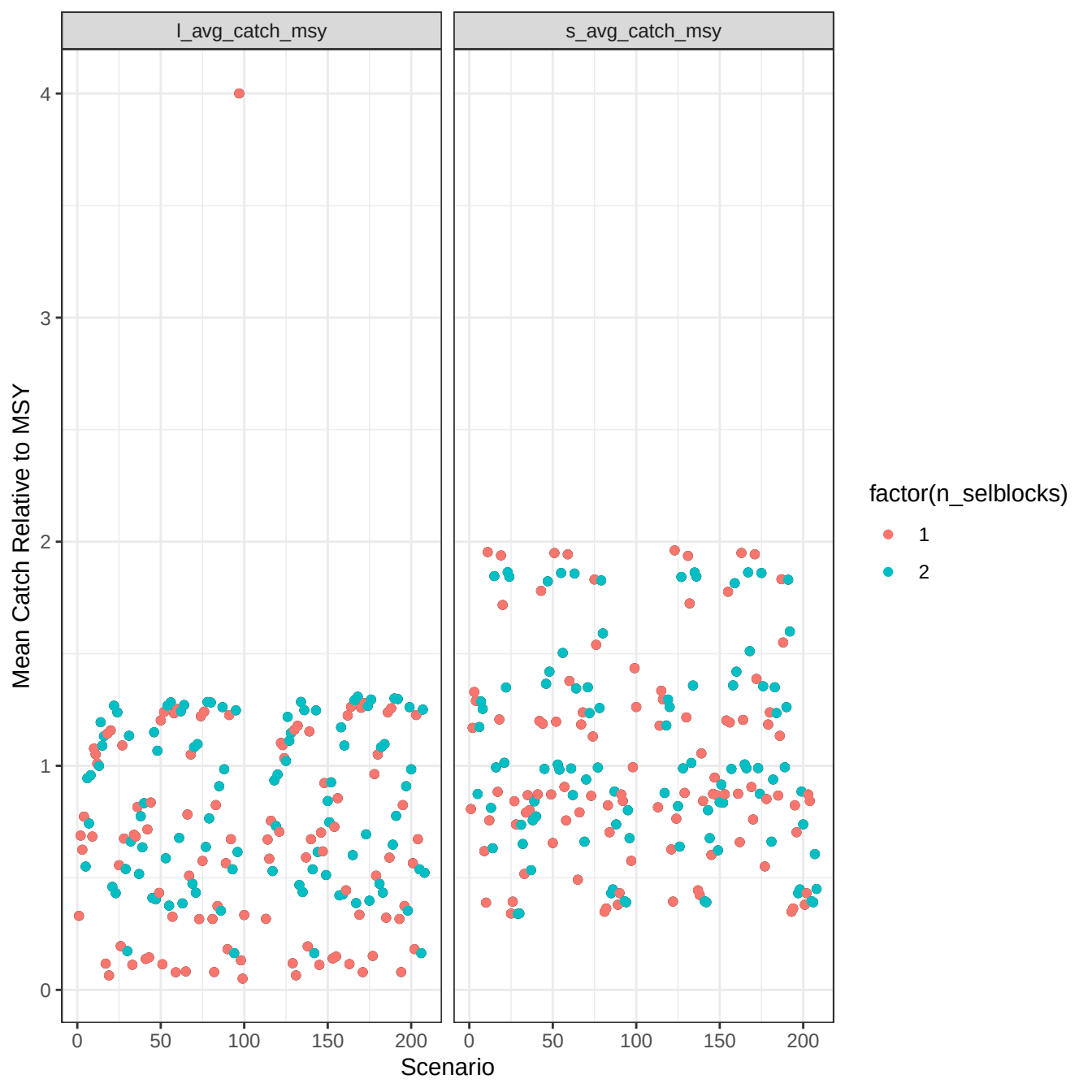

Catch/MSY
l_avg_catch_msy
s_avg_catch_msy
Probability
0
1
2
3
4
C_1_1_0.75
C_1_1_1
C_1_2_0.75
C_1_2_1
C_2_1_0.75
C_2_1_1
C_2_2_0.75
C_2_2_1
M_1_1_0.75
M_1_1_1
M_1_2_0.75
M_1_2_1
M_2_1_0.75
M_2_1_1
M_2_2_0.75
M_2_2_1
IBM

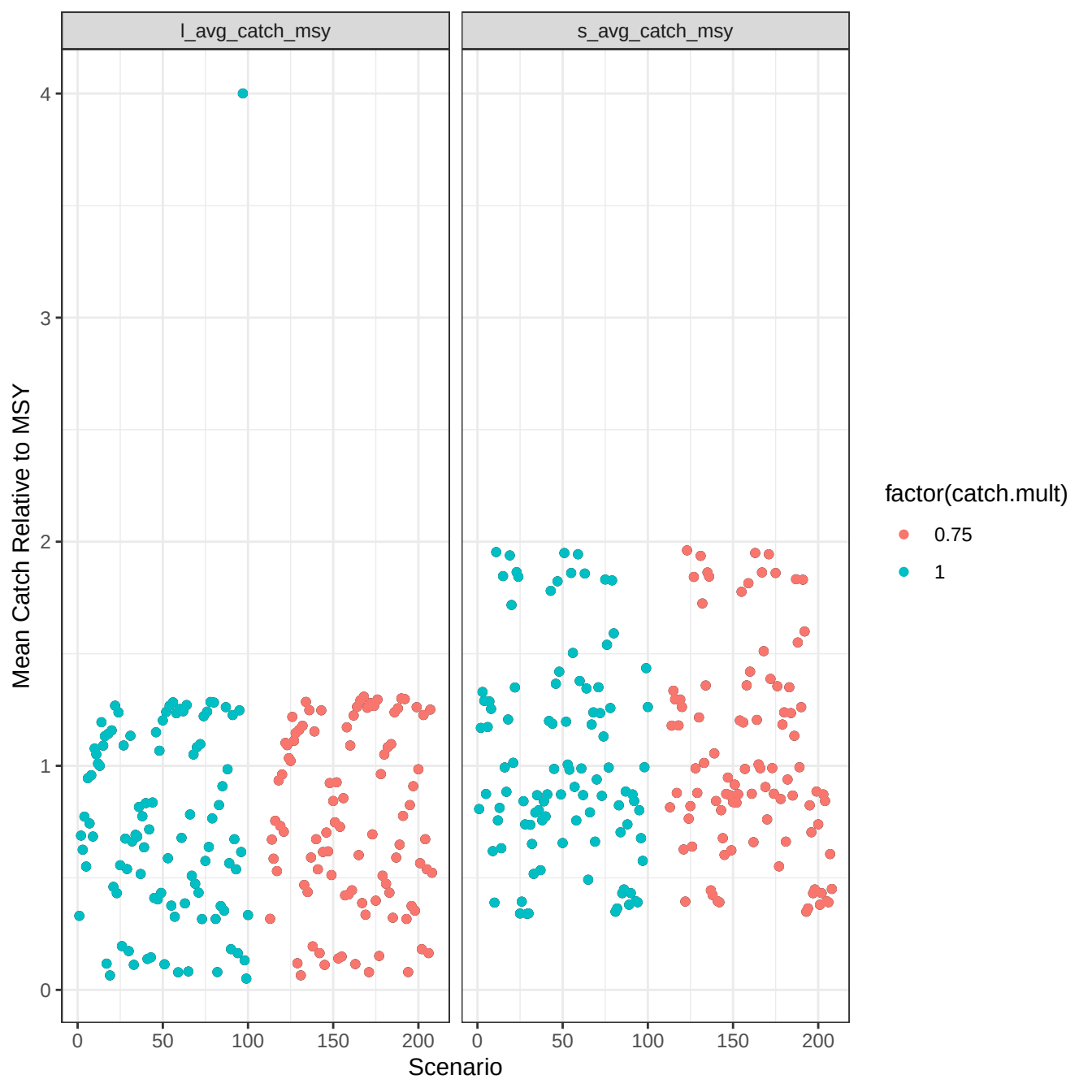

l_avg_catch_msy
s_avg_catch_msy
Mean Catch Relative to MSY
0
1
2
3
4
0
50
100
150
200
Scenario

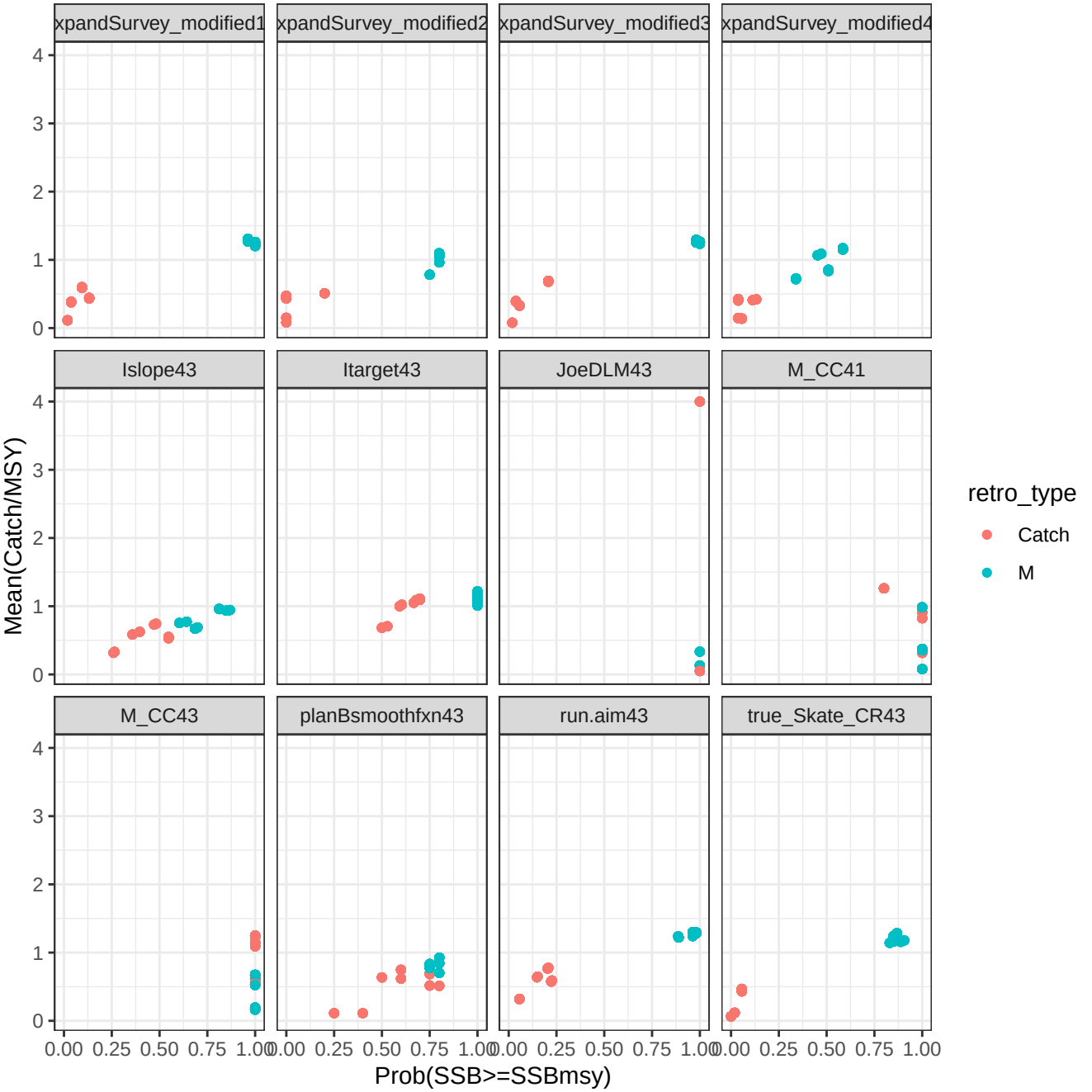

l_avg_catch_msy
s_avg_catch_msy
Mean Catch Relative to MSY
Scenario
retro_type
Catch
M
0
1
2
3
4
0
50
100
150
200

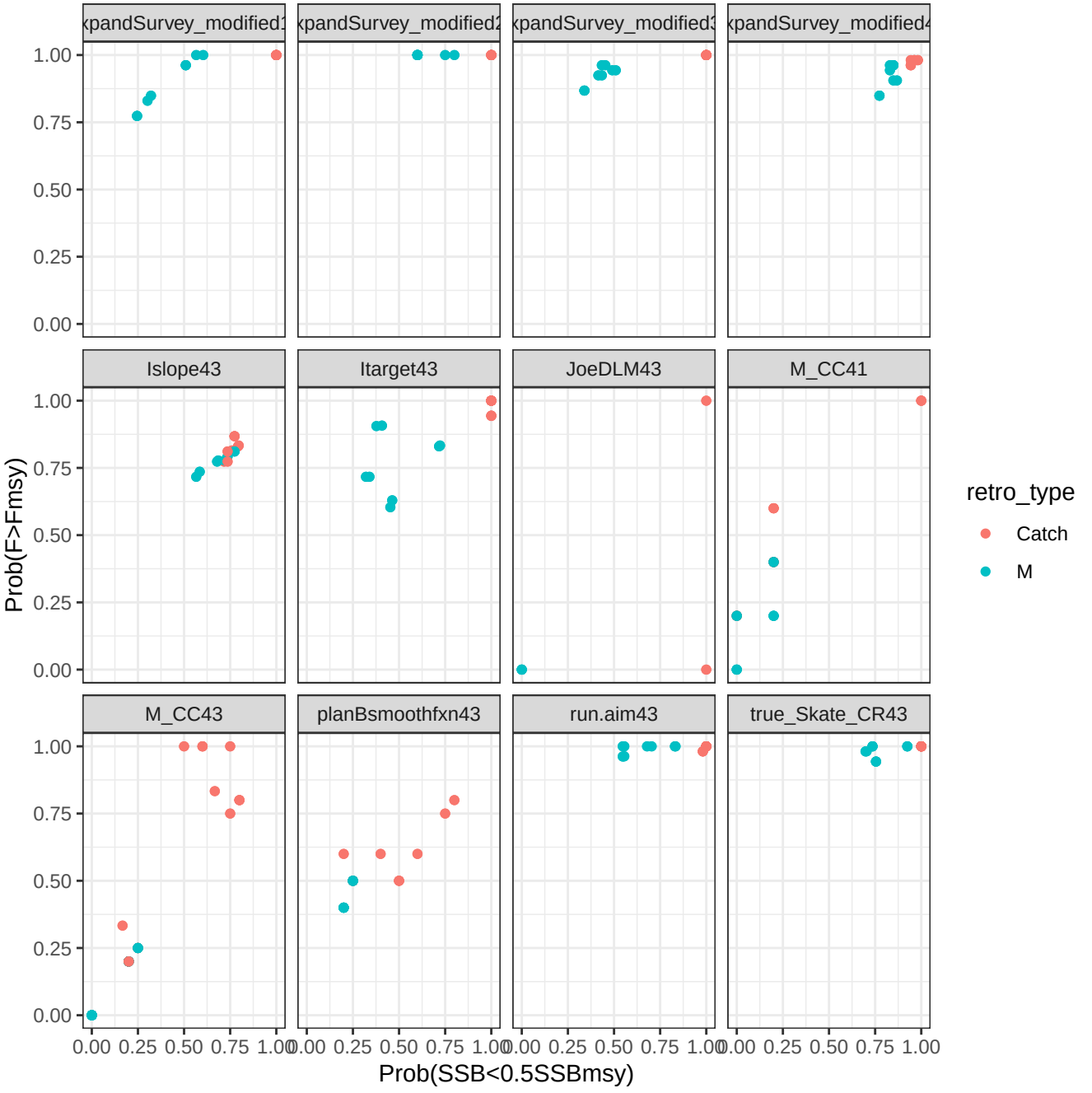

l_avg_catch_msy
s_avg_catch_msy
Mean Catch Relative to MSY
0
1
2
3
4
0
50
100
150
200
Scenario
IBMlab
ExpandSurvey_modified13
ExpandSurvey_modified23
ExpandSurvey_modified33
ExpandSurvey_modified43
Islope43
Itarget43
JoeDLM43
M_CC41
M_CC43
planBsmoothfxn43
run.aim43
true_Skate_CR43


l_avg_catch_msy
s_avg_catch_msy
Mean Catch Relative to MSY
Scenario
factor(Fhist)
1
2
0
1
2
3
4
0
50
100
150
200


l_avg_catch_msy
s_avg_catch_msy
Mean Catch Relative to MSY
0
1
2
3
4
0
50
100
150
200
Scenario
factor(n_selblocks)
1
2


l_avg_catch_msy
s_avg_catch_msy
Mean Catch Relative to MSY
Scenario
factor(catch.mult)
0.75
1
0
1
2
3
4
0
50
100
150
200


xpandSurvey_modified1
xpandSurvey_modified2
xpandSurvey_modified3
xpandSurvey_modified4
Islope43
Itarget43
JoeDLM43
M_CC41
M_CC43
planBsmoothfxn43
run.aim43
true_Skate_CR43
Mean(Catch/MSY)
Prob(SSB>=SSBmsy)
0
1
2
3
4
0.00
0.25
0.50
0.75
1.00
retro_type
Catch
M


xpandSurvey_modified1
xpandSurvey_modified2
xpandSurvey_modified3
xpandSurvey_modified4
Islope43
Itarget43
JoeDLM43
M_CC41
M_CC43
planBsmoothfxn43
run.aim43
true_Skate_CR43
Prob(F>Fmsy)
Prob(SSB<0.5SSBmsy)
0.00
0.25
0.50
0.75
1.00
retro_type
Catch
M