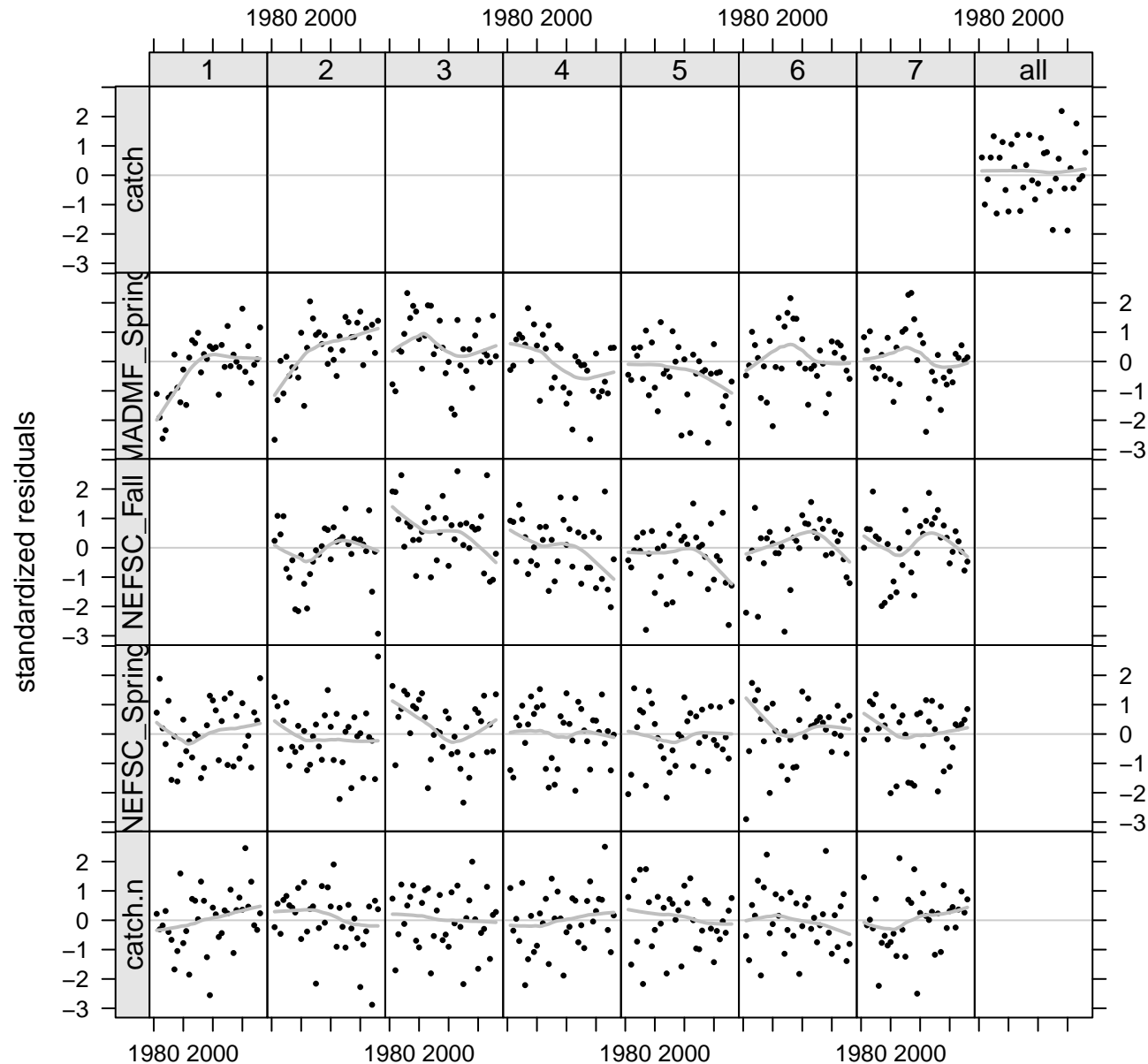
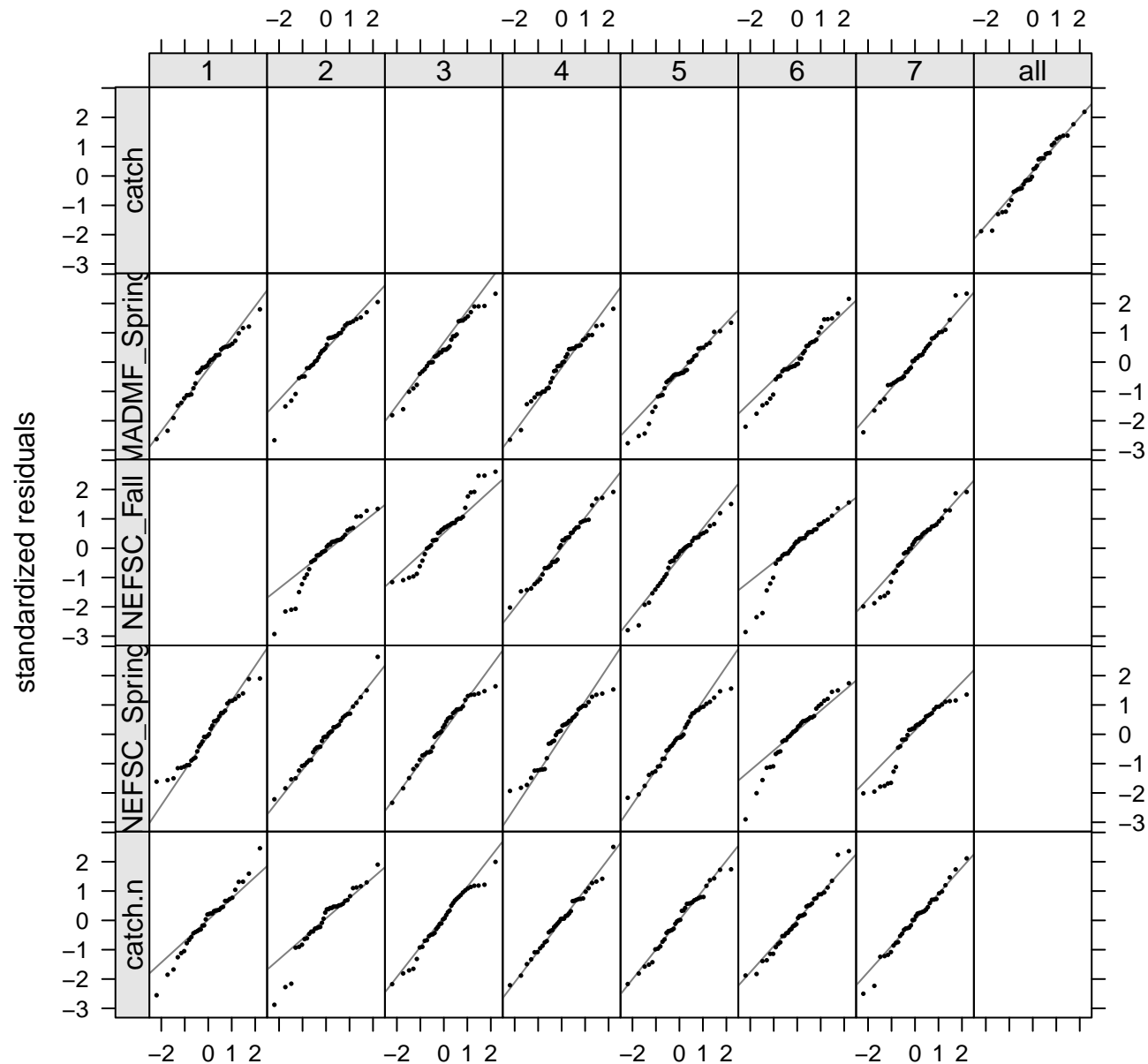


# log residuals of catch and abundance indices by age



### quantile-quantile plot of log residuals of catch and abundance indices



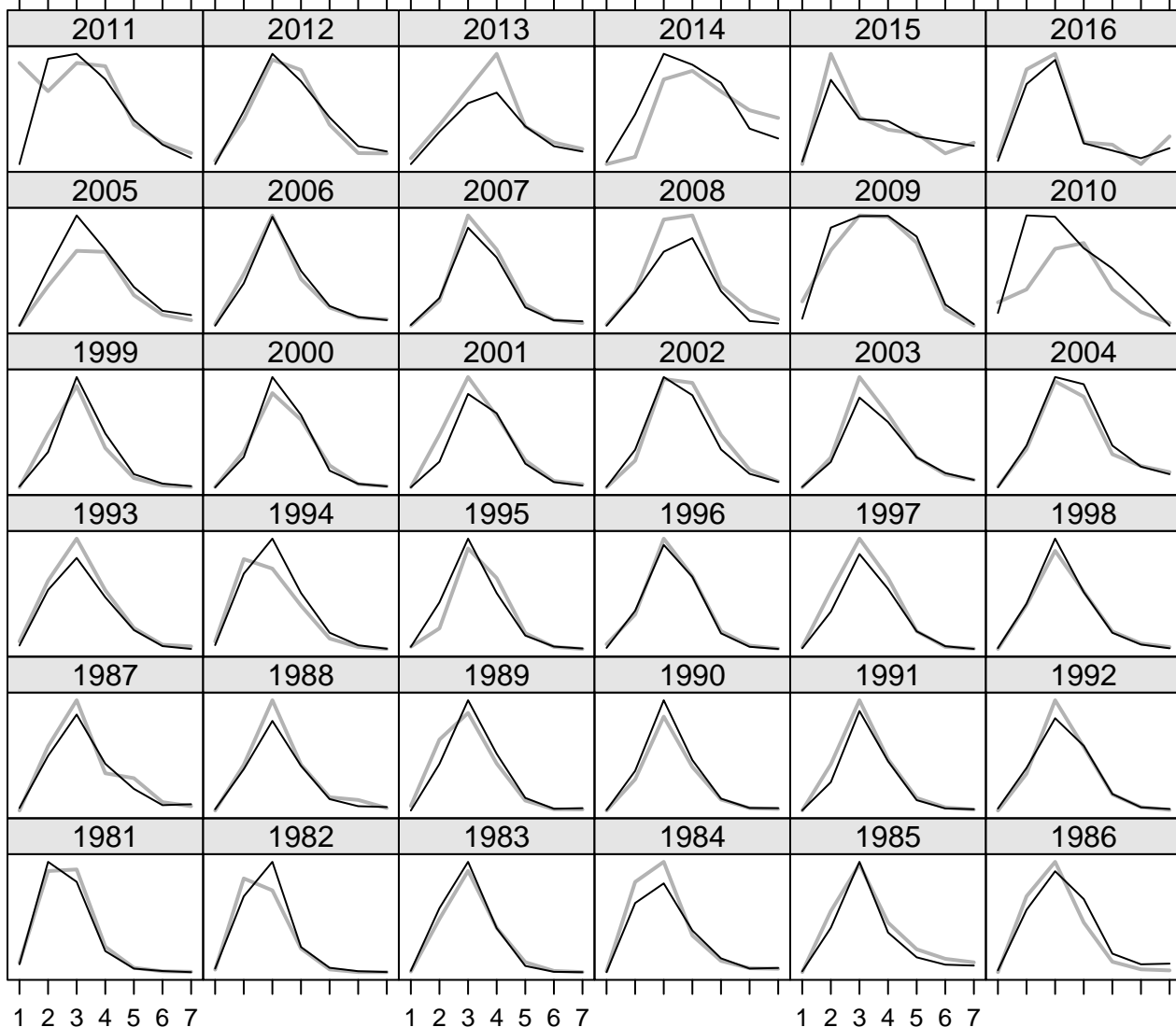
# fitted and observed catch-at-age

obs ——— fit ———

1 2 3 4 5 6 7

1 2 3 4 5 6 7

1 2 3 4 5 6 7



numbers

age

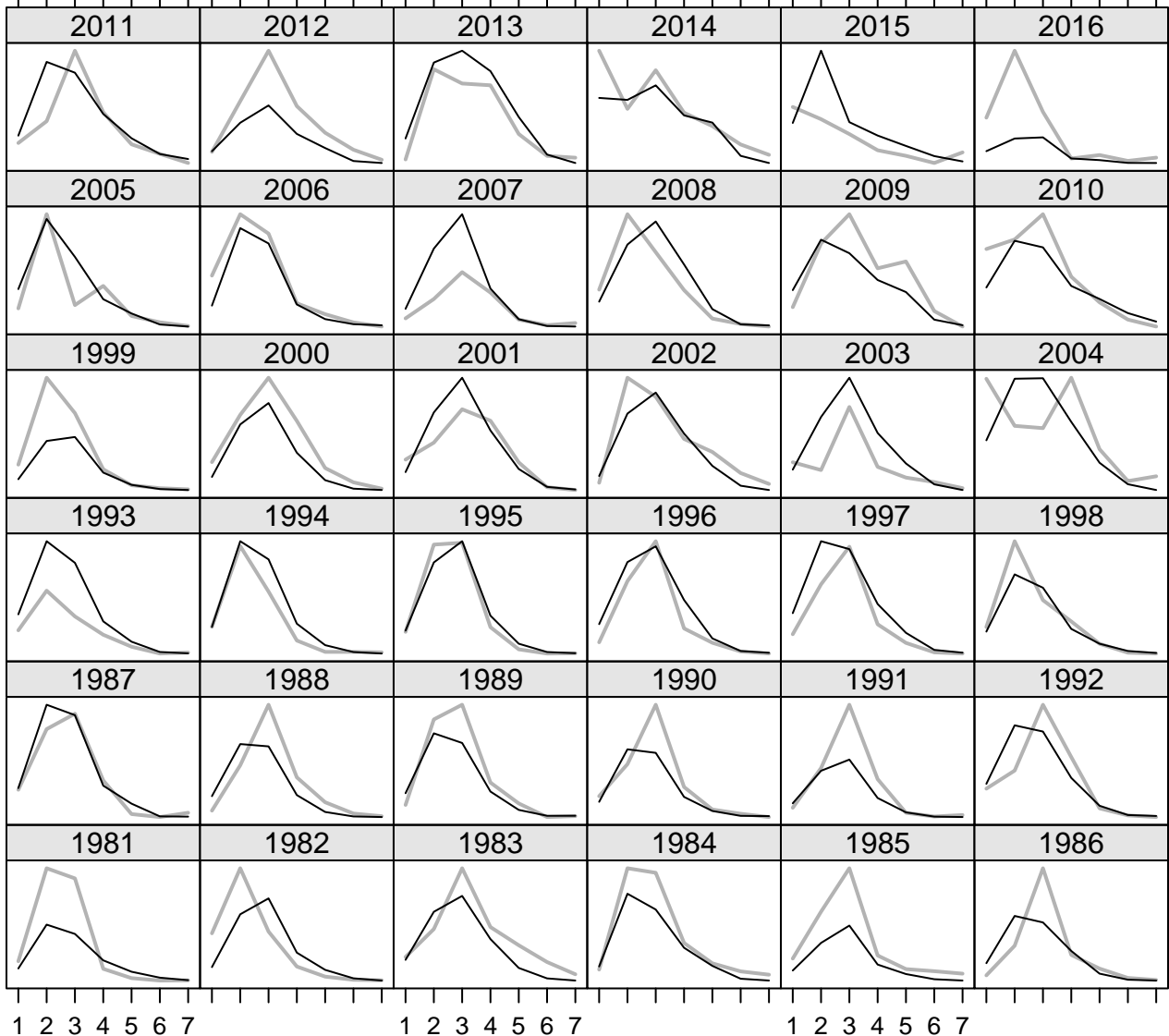
# NEFSC\_Spring: fitted and observed index-at-age

obs ——— fit ———

1 2 3 4 5 6 7

1 2 3 4 5 6 7

1 2 3 4 5 6 7



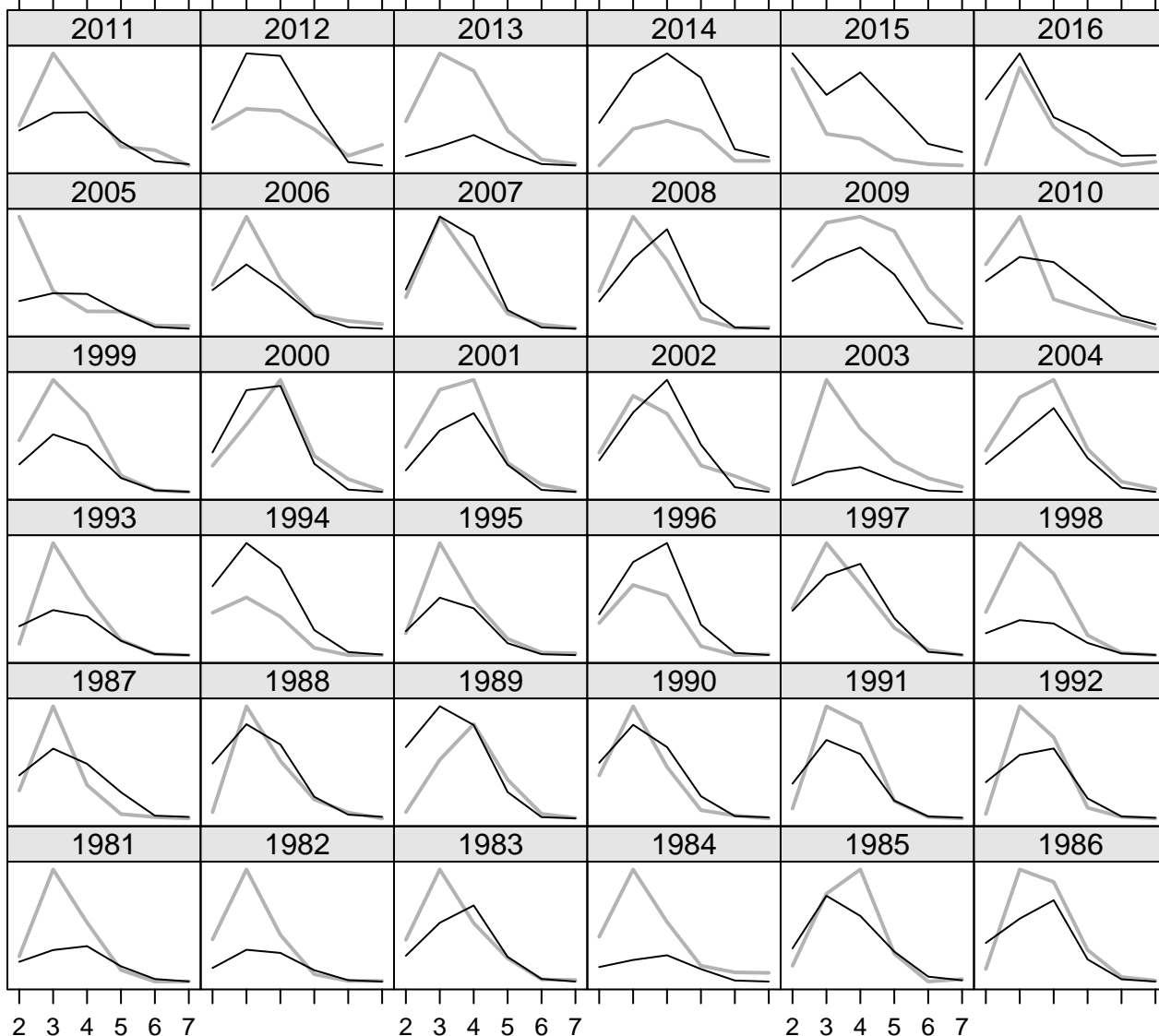
# NEFSC\_Fall: fitted and observed index-at-age

obs — fit

2 3 4 5 6 7

2 3 4 5 6 7

2 3 4 5 6 7



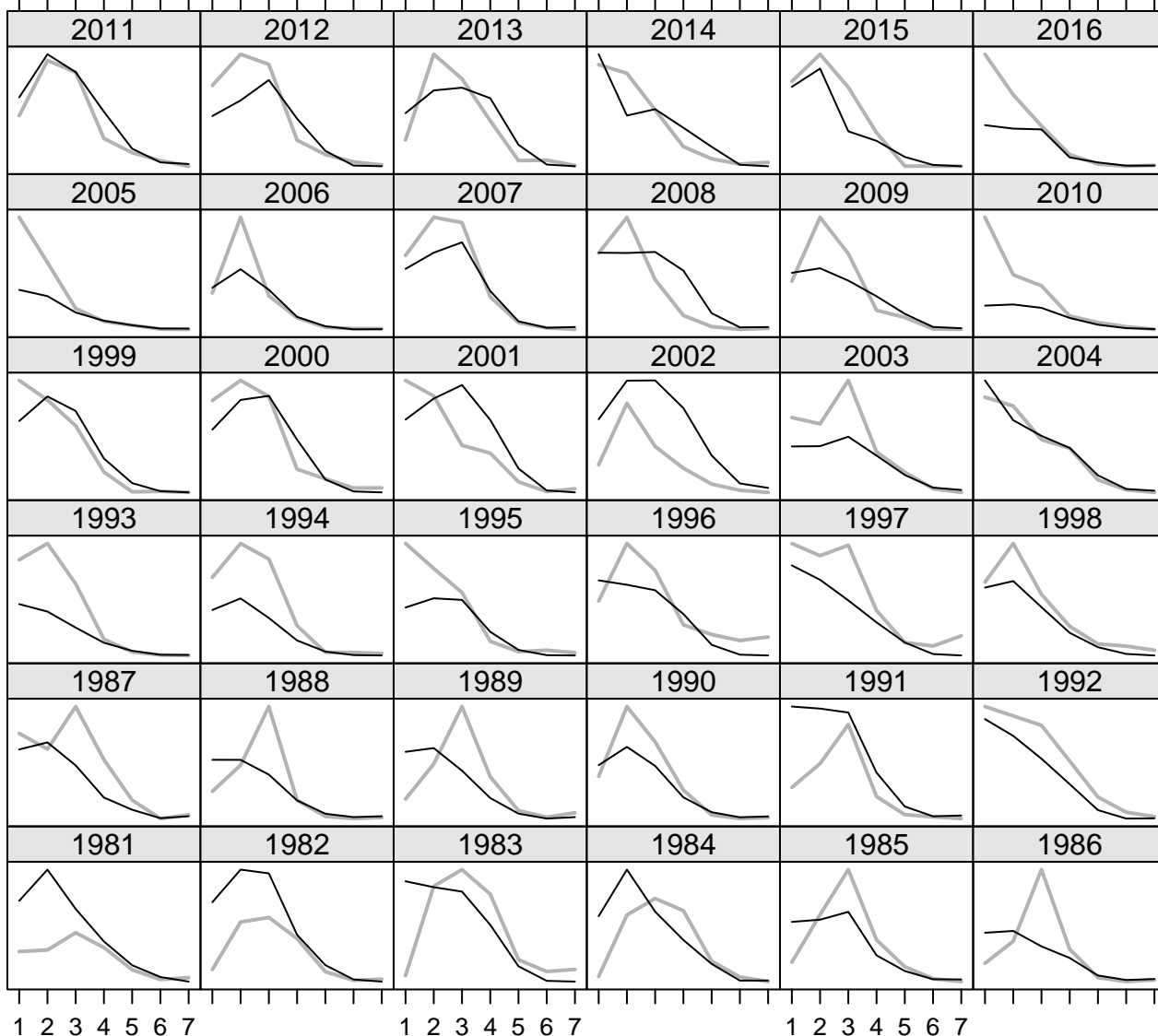
# MADMF\_Spring: fitted and observed index-at-age

obs ——— fit ———

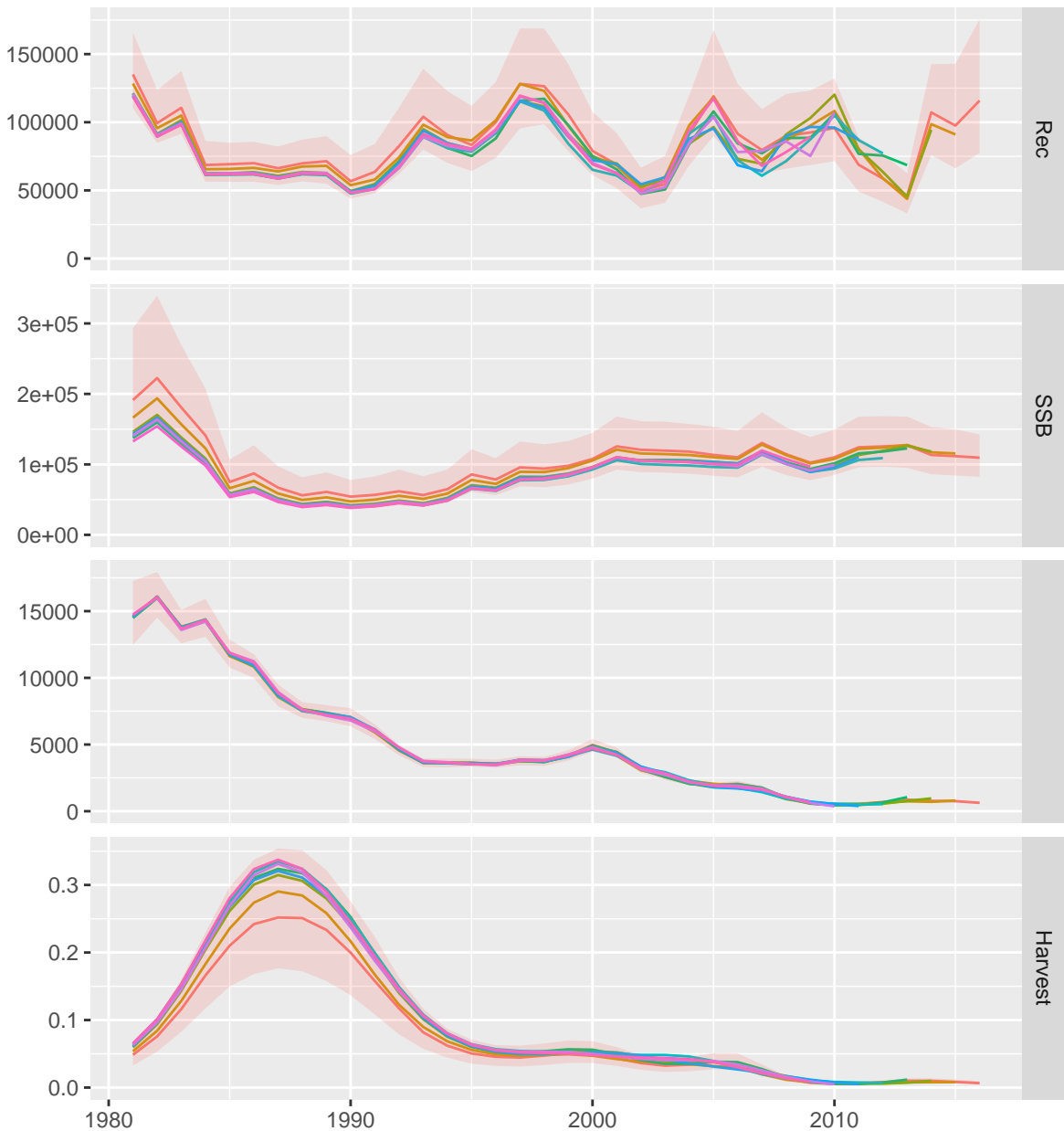
1 2 3 4 5 6 7

1 2 3 4 5 6 7

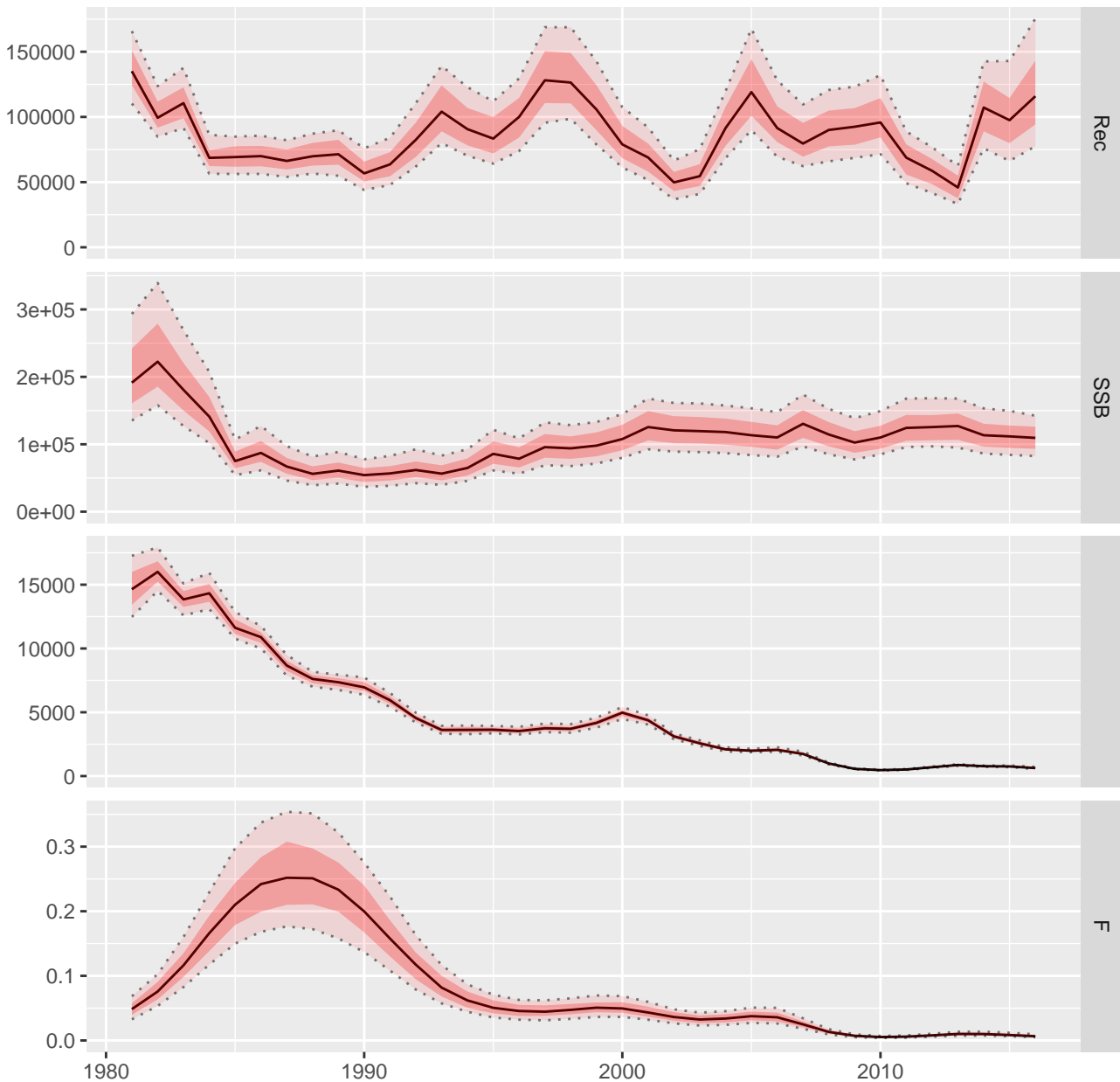
1 2 3 4 5 6 7



# Retrospective



# Stock summary





# Abundance indices predictions

