Run notes for mackerel:

Run 1: Like ASAP

Run 2: Use results from age-comp loop: logistic-normal\_miss0

Run 3: logistic-normal\_miss0 + random walk on recruitment

Run 4: logistic-normal\_miss0 + mean recruitment deviations are correlated by year (ar1\_y)

Run 5: logistic-normal\_miss0 + mean recruitment deviations are uncorrelated (iid)

Run 6: logistic-normal\_miss0 + Beverton-Holt stock recruit relationship

Run 7: logistic-normal\_miss0 + Ricker stock recruit relationship

Run 8: logistic-normal\_miss0 + mean recruitment deviations uncorrelated (iid) + time varying uncorrelated commercial selectivity (iid; 1-6 ages)

Run 9: logistic-normal\_miss0 + mean recruitment deviations uncorrelated (iid) + time varying correlated commercial selectivity (ar1\_y; 1-6 ages)

Run 10: logistic-normal\_miss0 + mean recruitment deviations uncorrelated (iid) + time varying correlated commercial selectivity (2dar1; 1-6 ages)

Run 11: logistic-normal\_miss0 + mean recruitment + time varying uncorrelated logistic commercial selectivity (iid; 1-6 ages)

Run 12: logistic-normal\_miss0 + mean recruitment + iid NAA

Run 13: logistic-normal\_miss0 + mean recruitment + 2dar1 NAA

Run 14: dirichlet-pool0

Run 15: dirichlet-pool0 + time varying uncorrelated logistic commercial selectivity (iid; 1-6; 9-10 ages)

Run 16: dirichlet-pool0 + NAA iid

Run 17: dirichlet-pool0 + NAA 2dar1

Run 18: dirichlet-miss0 + NAA iid

Run 19: dirichlet-miss0 + NAA 2dar1

Run 20: dir-mult + NAA iid

Run 21: dir-mult + NAA iid

Run 22: multinomial + NAA iid

Run 23: multinomial

Run 24: multinomial + iid commercial selectivity

Run 25: logistic normal miss 0 + random walk rec + iid NAA

Run 26: logistic normal miss 0 + random walk rec + 2dar1 NAA

Run 27: logistic normal miss 0 + random walk rec + ar1\_a NAA

Run 28: logistic normal miss 0 + random walk rec + ar1\_y NAA

Run 29: logistic normal miss 0 + random walk rec + ar1\_y NAA + age based selectivity

Run 30: logistic normal miss 0 + random walk rec + ar1\_y NAA + age based selectivity (ar1)

Run 31: logistic normal miss 0 + random walk rec + ar1\_y NAA + iid logistic

Run 32: logistic normal miss 0 + random walk rec + M ar1\_y + age slec

Run 33: logistic normal miss 0 + random walk rec + NAA iid + 2dar1 age slec