	lyses models. Object	Model name	Description	path
0. Transitio	SS 3.24 on SS 3.30.21	13.sq 23.sq.fixQ	2013 Assessment SS3.24 2023 Assessment SS3.30-	model/2013_SST model/2013_SST_SSV3_30_21
0.0 Item 0.1	All Param fixed	23.sq.fix	fixed catchability 13.sq assessment (SS V3.30.32) - All param fixed	model/Sensitivity_Anal/0.1_Bridging_models/23.sq.fix
Item 0.1	Floating Q	23.sq.floatQ	13.sq assessment (SS V3.30.21) - Param estimated as before but Q floating	model/Sensitivity_Anal/0.1_Bridging_models/23.sq.floatQ
Item 0.1 Item	All Param estimated Update landings	23.sq.est 23.land.update	13.sq assessment (SS V3.30.21) - All param estimated 23.sq.floatQ + landings	model/Sensitivity_Anal/0.1_Bridging_models/23.sq.est model/Sensitivity_Anal/0.2_Update_Data/1_23.land.update
0.2 Item 0.2	Updates discard rates	23.disc.update	23.land.update + discards updated	model/Sensitivity_Anal/0.2_Update_Data/2_23.disc.update
Item 0.2 Item	Update survey geostat indices Update survey length	23.surv_geo.update 23.lcs_survey.update	23.disc.update + geo Indices 23.surv_geo.update + Surv	model/Sensitivity_Anal/0.2_Update_Data/3_23.surv_geo.update model/Sensitivity_Anal/0.2_Update_Data/4_23.lcs_survey.update
0.2 Item 0.2	Update fisheries length comps	23.lcs_fisheries.update	Lcs 23.lcs_survey.update + Fisheries Lcs	model/Sensitivity_Anal/0.2_Update_Data/5_23.lcs_fisheries.update
Item 0.2 Item	Update discard mean weights Update growth	23.disc_weight.update 23.growth.update	23.lcs_fisheries.update + Discard weight updated 23.disc_weight.update +	model/Sensitivity_Anal/0.2_Update_Data/6_23.disc_weight.update model/Sensitivity_Anal/0.2_Update_Data/7_23.growth.update
0.2 Item 0.2	Update maturity	23.maturity.update	growth updated 23.growth.update + maturity updated	model/Sensitivity_Anal/0.2_Update_Data/8_23.maturity.update
Item 0.2 Item 0.2	Update fecundity Update natural mortality	23.fecundity.update 23.mortality.update	23.maturity.update + fecundity updated 23.fecundity.update + mortality updated	model/Sensitivity_Anal/0.2_Update_Data/9_23.fecundity.update model/Sensitivity_Anal/0.2_Update_Data/10_23.mortality.update
1. Landings Item 1.1	s Imputed historical landings	23.land.hist_impute	Use imputed historical landings	model/Sensitivity_Anal/1.1_Landings_Sensitivity/1_23.land.hist_impute
	2013 assessment landings ASHOP Catches	23.land.2013	Use 2013 assesssment landings	model/Sensitivity_Anal/1.1_Landings_Sensitivity/2_23.land.2013
1.2 Item 1.3	23.landings.4fleet	23.landings.ashop 23.landings.4fleet	23.model.francis_2 + ASHOP catches Base Model + 4 commercial fleets	model/Sensitivity_Anal/1.2_Landings_ashop/1_23.landings.ashop model/Sensitivity_Anal/1.3_Landings_4fleet/1_23.landings.4fleet
3. Surveys Item 3.1	gamma vs ln error	23.surveys.gamvln	23.model.francis_2 with lognormal error structure in	model/Sensitivity_Anal/3.1_surveys_Sensitivity/1_23.surveys.gamvln
Item 3.2	MB vs DB indices	23.surveys.db	geostatistical abundance indices base model w/ design-based indices	model/Sensitivity_Anal/3.2_surveys2_Sensitivity/1_23.surveys.db
Item 3.3	No Triennial Survey	23.surveys.notriennial	3 fleet 1 survey model structure	model/Sensitivity_Anal/3.3_surveys3_Sensitivity/3_23.surveys.notriennial
Item 3.3 Item	extra SD on WCGBTS 2 survey vs 4 survey	23.surveys.extaSDwcgbts 23.surveys.useslope	base model with an additional SD paramter estimated for WCGBTS 3 fleet 4 survey model	model/Sensitivity_Anal/3.3_surveys3_Sensitivity/2_23.surveys.extaSDwcgbts model/Sensitivity_Anal/3.3_surveys3_Sensitivity/1_23.surveys.useslope
3.3 4. Biologica	structure	23.surveys.usesiope 23.growth.low	structure 23.model.francis_2 + low	model/Sensitivity_Anal/3.3_surveys3_Sensitivity/1_23.surveys.useslope model/Sensitivity_Anal/4.1_Growth_Sensitivity/2_23.growth.low
Item 4.1 Item 4.1	Growth Sensitivity Low Growth Sensitivity High	23.growth.low 23.growth.high	23.model.francis_2 + low growth 23.model.francis_2 + high growth	model/Sensitivity_Anal/4.1_Growth_Sensitivity/2_23.growth.low model/Sensitivity_Anal/4.1_Growth_Sensitivity/1_23.growth.high
4.2 Item	Intermediate maturity curve PG maturity	23.maturity.mix_curve 23.maturity.pgcurve	23.model.francis_2 + intermediate maturity curve 23.model.francis_2 + PG	model/Sensitivity_Anal/4.2_Maturity_Sensitivity/2_23.maturity.mix_curve model/Sensitivity_Anal/4.2_Maturity_Sensitivity/1_23.maturity.pgcurve
4.2 Item 4.3	Sensitivity to fecundity	23.biology.no_fecundity	Remove the length- fecundity relationship from	model/Sensitivity_Anal/4.3_Fecundity_Sensitivity/1_23.biology.no_fecundity
Item 4.4	Sensitivity to weight-length relationship	23.WL.sensitivity	new params, remove fish <=16cm	model/Sensitivity_Anal/STAR_Panel/4.4_WL_Sensitivity/1_23.WL.sensitivity
Item 4.5 5. Model	Sensitivity to sigmaR	23.SigmaR.sensitivity	sigmaR 0.76	model/Sensitivity_Anal/STAR_Panel/4.5_SigmaR_Sensitivity/1_23.SigmaR.sensitivity
Item 5.1 Item	S-R Steepness Bias Adjustment Years	23.model.recdevs_steep 23.model.recdevs_bias	23.model.recdevs_initYear + h=0.72 23.model.recdevs_steep +	model/Sensitivity_Anal/5.1_Explore_RecDevs/3_23.model.recdevs_steep model/Sensitivity_Anal/5.1_Explore_RecDevs/4_23.model.recdevs_bias
5.1	Update Initial RecDev Year		biaspars updated 23.model.recdevs_termYear + inityear change	model/Sensitivity_Anal/5.1_Explore_RecDevs/2_23.model.recdevs_initYear
Item 5.1 Item 5.3	Update Terminal RecDev Year Francis Reweighting	23.model.recdevs_termYear 23.model.francis	23.mortality.update + termyear change 23.model.fleetstruct_5 + new Francis weights	model/Sensitivity_Anal/5.1_Explore_RecDevs/1_23.model.recdevs_termYear model/Sensitivity_Anal/5.3_Francis_Reweighting/1_23.model.francis
Item 5.4 Item	Survey Timing Settlement Events	23.model.survey_timing 23.model.settlement_events	survey timing = -1 simple settlement event	model/Sensitivity_Anal/5.4_SS_Model_Warnings/1_23.model.survey_timing model/Sensitivity_Anal/5.4_SS_Model_Warnings/2_23.model.settlement_events
5.4 Item 5.5	Remove small sample size LCs	23.model.sample_sizes	remove small sample sizes	model/Sensitivity_Anal/5.5_Improve_LC_Fits/1_23.model.sample_sizes
Item 5.5 Item	Improve Trawl_N LC Fit Improve Other LC Fits	23.model.improve_trawln 23.model.improve_other	change Trawl_N selectivity pars change other fleet	model/Sensitivity_Anal/5.5_Improve_LC_Fits/3_23.model.improve_trawln model/Sensitivity_Anal/5.5_Improve_LC_Fits/4_23.model.improve_other
5.5 Item 5.5	Sex-Specific Survey Selectivity	23.model.sexed_survey_selectivity	selectivity pars sex-specific survey selectivity	model/Sensitivity_Anal/5.5_Improve_LC_Fits/2_23.model.sexed_survey_selectivity
Item 5.6	Modify recdev init year	23.model.recdevs_inityear_1996	update recdevs 1996	model/Sensitivity_Anal/5.6_Update_Recdevs_Inityear/1_23.model.recdevs_inityear_1996
Item 5.7	Fix warnings	23.fix_warnings	Fix warnings	model/Sensitivity_Anal/5.7_Fix_Warnings/1_23.fix_warnings
5.7 Item 5.8	Francis Reweighting 2	23.model.francis_2	francis weighting part 2	model/Sensitivity_Anal/5.8_Francis_Reweighting_2/1_23.model.francis_2
5.7 Item				
5.7 Item 5.8 Item 5.9	Francis Reweighting 2 blk Trawl 89	23.model.francis_2 23.blkret.T1	francis weighting part 2 blk Trawl 89	model/Sensitivity_Anal/5.8_Francis_Reweighting_2/1_23.model.francis_2 model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/1_23.blkret.T1
5.7 Item 5.8 Item 5.9 Item 5.9 Item 5.9	Francis Reweighting 2 blk Trawl 89 blk Trawl mid10 blk Trawl 89-mid10	23.model.francis_2 23.blkret.T1 23.blkret.T2 23.blkret.T3	francis weighting part 2 blk Trawl 89 blk Trawl mid10 blk Trawl 89-mid10	model/Sensitivity_Anal/5.8_Francis_Reweighting_2/1_23.model.francis_2 model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/1_23.blkret.T1 model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/2_23.blkret.T2 model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/3_23.blkret.T3
5.7 Item 5.8 Item 5.9 Item	Francis Reweighting 2 blk Trawl 89 blk Trawl mid10 blk Trawl 89-mid10 blk Trawl 89-mid10-19 blk Trawl 89-mid10	23.model.francis_2 23.blkret.T1 23.blkret.T2 23.blkret.T3	francis weighting part 2 blk Trawl 89 blk Trawl mid10 blk Trawl 89-mid10 blk Trawl 89-mid10 NonTrawl 05-13 blk Trawl 89-mid10 NonTrawl 05-13-17 23.blkret.T3 + 3 Time	model/Sensitivity_Anal/5.8_Francis_Reweighting_2/1_23.model.francis_2 model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/1_23.blkret.T1 model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/2_23.blkret.T2 model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/3_23.blkret.T3 model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/4_23.blkret.T4
5.7 Item 5.8 Item 5.9 Item 5.9 Item 5.9 Item 5.9 Item 5.9 Item 5.9 Item 5.10 Item 5.10	blk Trawl 89 blk Trawl 89-mid10 blk Trawl 89-mid10-19 blk Trawl 89-mid10 NonTrawl 05-13 blk Trawl 89-mid10 NonTrawl 05-13-17 Prior on Selectivity - 3 Blks Prior on Selectivity - 1 Blk	23.model.francis_2 23.blkret.T1 23.blkret.T2 23.blkret.T3 23.blkret.T4 23.blkret.T4 23.blkret.T3.NT1 23.blkret.T3.NT2 23.slx.Prior.3Blk 23.slx.Prior.1Blk	francis weighting part 2 blk Trawl 89 blk Trawl mid10 blk Trawl 89-mid10 blk Trawl 89-mid10 NonTrawl 05-13 blk Trawl 89-mid10 NonTrawl 05-13-17 23.blkret.T3 + 3 Time Blocks 23.blkret.T3 + 1 Time Block	model/Sensitivity_Anal/5.8_Francis_Reweighting_2/1_23.model.francis_2 model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/1_23.blkret.T1 model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/2_23.blkret.T2 model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/3_23.blkret.T3 model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/4_23.blkret.T4 model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/5_23.blkret.T3.NT1 model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/6_23.blkret.T3.NT2 model/Sensitivity_Anal/5.10_Prior_Selectivity_Sensitivity/3_23.slx.Prior.3Blk model/Sensitivity_Anal/5.10_Prior_Selectivity_Sensitivity/1_23.slx.Prior.1Blk
5.7 Item 5.8 Item 5.9 Item 5.9 Item 5.9 Item 5.9 Item 5.9 Item 5.10 Item 5.10 Item 5.10 Item	Francis Reweighting 2 blk Trawl 89 blk Trawl 89-mid10 blk Trawl 89-mid10-19 blk Trawl 89-mid10 NonTrawl 05-13 blk Trawl 89-mid10 NonTrawl 05-13-17 Prior on Selectivity - 3 Blks	23.model.francis_2 23.blkret.T1 23.blkret.T2 23.blkret.T3 23.blkret.T4 23.blkret.T4 23.blkret.T3.NT1 23.blkret.T3.NT2	francis weighting part 2 blk Trawl 89 blk Trawl 89-mid10 blk Trawl 89-mid10-19 blk Trawl 89-mid10 NonTrawl 05-13 blk Trawl 89-mid10 NonTrawl 05-13-17 23.blkret.T3 + 3 Time Blocks	model/Sensitivity_Anal/5.8_Francis_Reweighting_2/1_23.model.francis_2 model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/1_23.blkret.T1 model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/2_23.blkret.T2 model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/3_23.blkret.T3 model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/4_23.blkret.T4 model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/5_23.blkret.T3.NT1 model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/6_23.blkret.T3.NT2 model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/6_23.blkret.T3.NT2
5.7 Item 5.8 Item 5.9 Item 5.9 Item 5.9 Item 5.9 Item 5.9 Item 5.10 Item 5.10 Item 5.11 Item 5.11	Francis Reweighting 2 blk Trawl 89 blk Trawl 89-mid10 blk Trawl 89-mid10-19 blk Trawl 89-mid10 NonTrawl 05-13 blk Trawl 89-mid10 NonTrawl 05-13-17 Prior on Selectivity - 3 Blks Prior on Selectivity - 1 Blk Prior on Selectivity - 2 Blks base blksel 2003 base blksel 2011	23.model.francis_2 23.blkret.T1 23.blkret.T2 23.blkret.T3 23.blkret.T4 23.blkret.T3.NT1 23.blkret.T3.NT2 23.slx.Prior.3Blk 23.slx.Prior.1Blk 23.slx.Prior.2Blk 23.blksel.T1 23.blksel.T1	francis weighting part 2 blk Trawl 89 blk Trawl 89-mid10 blk Trawl 89-mid10-19 blk Trawl 89-mid10 NonTrawl 05-13 blk Trawl 89-mid10 NonTrawl 05-13-17 23.blkret.T3 + 3 Time Blocks 23.blkret.T3 + 1 Time Block 23.blkret.T3 + 2 Time Blocks base blksel 2003 base blksel 2011	model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/1_23.blkret.T1 model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/2_23.blkret.T2 model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/3_23.blkret.T3 model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/4_23.blkret.T3 model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/4_23.blkret.T4 model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/5_23.blkret.T3.NT1 model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/6_23.blkret.T3.NT2 model/Sensitivity_Anal/5.10_Prior_Selectivity_Sensitivity/3_23.slx.Prior.3Blk model/Sensitivity_Anal/5.10_Prior_Selectivity_Sensitivity/1_23.slx.Prior.1Blk model/Sensitivity_Anal/5.11_Selectivity_Sensitivity/1_23.blksel.T1 model/Sensitivity_Anal/5.11_Selectivity_Sensitivity/1_23.blksel.T1
5.7 Item 5.8 Item 5.9 Item 5.9 Item 5.9 Item 5.9 Item 5.9 Item 5.10 Item 5.10 Item 5.11 Item	Francis Reweighting 2 blk Trawl 89 blk Trawl 89-mid10 blk Trawl 89-mid10-19 blk Trawl 89-mid10 NonTrawl 05-13 blk Trawl 89-mid10 NonTrawl 05-13-17 Prior on Selectivity - 3 Blks Prior on Selectivity - 1 Blk Prior on Selectivity - 2 Blks base blksel 2003	23.model.francis_2 23.blkret.T1 23.blkret.T2 23.blkret.T3 23.blkret.T4 23.blkret.T3.NT1 23.blkret.T3.NT2 23.slx.Prior.3Blk 23.slx.Prior.1Blk 23.slx.Prior.2Blk 23.slx.Prior.2Blk	francis weighting part 2 blk Trawl 89 blk Trawl 89-mid10 blk Trawl 89-mid10-19 blk Trawl 89-mid10 NonTrawl 05-13 blk Trawl 89-mid10 NonTrawl 05-13-17 23.blkret.T3 + 3 Time Blocks 23.blkret.T3 + 1 Time Block 23.blkret.T3 + 2 Time Blocks base blksel 2003	model/Sensitivity_Anal/5.8_Francis_Reweighting_2/1_23.model.francis_2 model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/1_23.blkret.T1 model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/2_23.blkret.T2 model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/3_23.blkret.T3 model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/4_23.blkret.T4 model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/5_23.blkret.T3.NT1 model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/6_23.blkret.T3.NT2 model/Sensitivity_Anal/5.10_Prior_Selectivity_Sensitivity/3_23.slx.Prior.3Blk model/Sensitivity_Anal/5.10_Prior_Selectivity_Sensitivity/1_23.slx.Prior.1Blk model/Sensitivity_Anal/5.10_Prior_Selectivity_Sensitivity/1_23.slx.Prior.2Blk model/Sensitivity_Anal/5.11_Selectivity_Sensitivity/1_23.blksel.T1
5.7 Item 5.8 Item 5.9 Item 5.9 Item 5.9 Item 5.9 Item 5.9 Item 5.10 Item 5.10 Item 5.11 Item 5.11 Item 5.11 Item 5.11 Item	Francis Reweighting 2 blk Trawl 89 blk Trawl mid10 blk Trawl 89-mid10 blk Trawl 89-mid10 NonTrawl 05-13 blk Trawl 89-mid10 NonTrawl 05-13-17 Prior on Selectivity - 3 Blks Prior on Selectivity - 1 Blk Prior on Selectivity - 2 Blks base blksel 2003 base blksel 20011 base blksel 2003+2011	23.model.francis_2 23.blkret.T1 23.blkret.T2 23.blkret.T3 23.blkret.T4 23.blkret.T3.NT1 23.blkret.T3.NT2 23.slx.Prior.3Blk 23.slx.Prior.1Blk 23.slx.Prior.2Blk 23.blksel.T1 23.blksel.T1 23.blksel.T2	francis weighting part 2 blk Trawl 89 blk Trawl mid10 blk Trawl 89-mid10 blk Trawl 89-mid10 NonTrawl 05-13 blk Trawl 89-mid10 NonTrawl 05-13-17 23.blkret.T3 + 3 Time Blocks 23.blkret.T3 + 1 Time Block 23.blkret.T3 + 2 Time Blocks base blksel 2003 base blksel 2001 base blksel 2011 base blksel	model/Sensitivity_Anal/5.8_Francis_Reweighting_2/1_23.model.francis_2 model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/1_23.blkret.T1 model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/3_23.blkret.T2 model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/3_23.blkret.T3 model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/4_23.blkret.T4 model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/5_23.blkret.T3.NT1 model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/6_23.blkret.T3.NT2 model/Sensitivity_Anal/5.10_Prior_Selectivity_Sensitivity/3_23.slx.Prior.3Blk model/Sensitivity_Anal/5.10_Prior_Selectivity_Sensitivity/1_23.slx.Prior.1Blk model/Sensitivity_Anal/5.11_Selectivity_Sensitivity/1_23.blksel.T1 model/Sensitivity_Anal/5.11_Selectivity_Sensitivity/2_23.blksel.T2 model/Sensitivity_Anal/5.11_Selectivity_Sensitivity/3_23.blksel.T2
5.7 Item 5.8 Item 5.9 Item 5.9 Item 5.9 Item 5.9 Item 5.10 Item 5.10 Item 5.11	Francis Reweighting 2 blk Trawl 89 blk Trawl mid10 blk Trawl 89-mid10 blk Trawl 89-mid10 NonTrawl 05-13 blk Trawl 89-mid10 NonTrawl 05-13-17 Prior on Selectivity - 3 Blks Prior on Selectivity - 1 Blk Prior on Selectivity - 2 Blks base blksel 2003 base blksel 2011 base blksel 2003+2011 base blksel 2003+2011 blkretT3 blksel 2003 blkretT3 blksel 2011	23.model.francis_2 23.blkret.T1 23.blkret.T2 23.blkret.T3 23.blkret.T4 23.blkret.T3.NT1 23.blkret.T3.NT2 23.slx.Prior.3Blk 23.slx.Prior.1Blk 23.slx.Prior.2Blk 23.blksel.T1 23.blksel.T1 23.blksel.T2 23.blksel.T3	francis weighting part 2 blk Trawl 89 blk Trawl mid10 blk Trawl 89-mid10 blk Trawl 89-mid10 NonTrawl 05-13 blk Trawl 89-mid10 NonTrawl 05-13-17 23.blkret.T3 + 3 Time Blocks 23.blkret.T3 + 1 Time Block 23.blkret.T3 + 2 Time Blocks base blksel 2003 base blksel 2003 base blksel 2011 base blksel 2003+2011 base blksel 2003+2011 base blksel 2003	model/Sensitivity_Anal/5.8_Francis_Reweighting_2/1_23.model.francis_2 model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/1_23.blkret.T1 model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/2_23.blkret.T2 model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/3_23.blkret.T3 model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/4_23.blkret.T4 model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/5_23.blkret.T3.NT1 model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/6_23.blkret.T3.NT2 model/Sensitivity_Anal/5.10_Prior_Selectivity_Sensitivity/3_23.slx.Prior.3Blk model/Sensitivity_Anal/5.10_Prior_Selectivity_Sensitivity/1_23.slx.Prior.1Blk model/Sensitivity_Anal/5.11_Selectivity_Sensitivity/2_23.blksel.T1 model/Sensitivity_Anal/5.11_Selectivity_Sensitivity/2_23.blksel.T2 model/Sensitivity_Anal/5.11_Selectivity_Sensitivity/3_23.blksel.T3 model/Sensitivity_Anal/5.11_Selectivity_Sensitivity/4_23.blksel.T4 model/Sensitivity_Anal/5.11_Selectivity_Sensitivity/5_23.blkret.T3.blksel.T1
5.7 Item 5.8 Item 5.9 Item 5.9 Item 5.9 Item 5.9 Item 5.10 Item 5.10 Item 5.11	Francis Reweighting 2 blk Trawl 89 blk Trawl mid10 blk Trawl 89-mid10 blk Trawl 89-mid10-19 blk Trawl 89-mid10 NonTrawl 05-13 blk Trawl 89-mid10 NonTrawl 05-13-17 Prior on Selectivity - 3 Blks Prior on Selectivity - 1 Blk Prior on Selectivity - 2 Blks base blksel 2003 base blksel 2003 base blksel 2011 base blksel 2003+2011 blkretT3 blksel 2003 blkretT3 blksel 2011	23.model.francis_2 23.blkret.T1 23.blkret.T2 23.blkret.T3 23.blkret.T4 23.blkret.T3.NT1 23.blkret.T3.NT2 23.slx.Prior.3Blk 23.slx.Prior.1Blk 23.slx.Prior.2Blk 23.blksel.T1 23.blksel.T1 23.blksel.T2 23.blksel.T3 23.blksel.T3	francis weighting part 2 blk Trawl 89 blk Trawl mid10 blk Trawl 89-mid10 blk Trawl 89-mid10 NonTrawl 05-13 blk Trawl 89-mid10 NonTrawl 05-13-17 23.blkret.T3 + 3 Time Blocks 23.blkret.T3 + 1 Time Block 23.blkret.T3 + 2 Time Blocks base blksel 2003 base blksel 2003 base blksel 2011 base blksel 2003+2011 base blksel 2003 blkretT3 blksel 2003 blkretT3 blksel 2003	model/Sensitivity_Anal/5.8_Francis_Reweighting_2/1_23.model.francis_2 model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/1_23.blkret.T1 model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/2_23.blkret.T2 model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/3_23.blkret.T3 model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/4_23.blkret.T4 model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/5_23.blkret.T3.NT1 model/Sensitivity_Anal/5.9_Retention_Selectivity_Sensitivity/6_23.blkret.T3.NT2 model/Sensitivity_Anal/5.10_Prior_Selectivity_Sensitivity/3_23.slx.Prior.3Blk model/Sensitivity_Anal/5.10_Prior_Selectivity_Sensitivity/1_23.slx.Prior.1Blk model/Sensitivity_Anal/5.11_Selectivity_Sensitivity/2_23.blksel.T1 model/Sensitivity_Anal/5.11_Selectivity_Sensitivity/2_23.blksel.T2 model/Sensitivity_Anal/5.11_Selectivity_Sensitivity/3_23.blksel.T3 model/Sensitivity_Anal/5.11_Selectivity_Sensitivity/5_23.blkret.T3.blksel.T1 model/Sensitivity_Anal/5.11_Selectivity_Sensitivity/5_23.blkret.T3.blksel.T1 model/Sensitivity_Anal/5.11_Selectivity_Sensitivity/5_23.blkret.T3.blksel.T1 model/Sensitivity_Anal/5.11_Selectivity_Sensitivity/5_23.blkret.T3.blksel.T1 model/Sensitivity_Anal/5.11_Selectivity_Sensitivity/6_23.blkret.T3.blksel.T1
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