Reference version 4.1

Output Controls

AvC (AvC.html)	Average Catch
BK (BK.html)	Beddington and Kirkwood life-history MP (simple version)
BK_CC (BK_CC.html)	Beddington and Kirkwood life-history method combined with catch curve analysis
BK_ML (BK_ML.html)	Beddington and Kirkwood life-history analysis with mean-length estimator of current abundance
CC1 (CC1.html)	Constant catch management procedure of Geromont and Butterworth (2014)
CC4 (CC4.html)	Constant catch management procedure of Geromont and Butterworth (2014)
CompSRA (CompSRA.html)	Age-composition-based estimate of current stock depletion given constant Z linked to an FMSY estimate to provide OFL
CompSRA4010 (CompSRA4010.html)	Age-composition-based estimate of current stock depletion given constant Z linked to an FMSY estimate to provide OFL (with a 40-10 rule)
DAAC (DAAC.html)	Depletion Adjusted Average Catch
DBSRA (DBSRA.html)	Depletion-Based Stock Reduction Analysis
DBSRA_40 (DBSRA_40.html)	Depletion-Based Stock Reduction Analysis assuming 40 per cent stock depletion
DBSRA_ML (DBSRA_ML.html)	Depletion-Based Stock Reduction Analysis using mean length estimator of stock depletion
DBSRA4010 (DBSRA4010.html)	Depletion-Based Stock Reduction Analysis paired with 40-10 harvest control rule
DCAC (DCAC.html)	Depletion Corrected Average Catch
DCAC_40 (DCAC_40.html)	Depletion Corrected Average Catch assuming 40 per cent stock depletion
DCAC_ML (DCAC_ML.html)	Depletion-Based Stock Reduction Analysis using mean-length estimator of current depletion
DCAC4010 (DCAC4010.html)	Depletion Corrected Average Catch paired with the 40-10 rule
DD (DD.html)	Delay - Difference Stock Assessment with UMSY and MSY leading
DD4010 (DD4010.html)	Delay - Difference Stock Assessment with UMSY and MSY leading coupled with a 40-10 harvest control rule
DepF (DepF.html)	Depletion Corrected Fratio
DynF (DynF.html)	Dynamic Fratio MP
Fadapt (Fadapt.html)	An adaptive MP that uses trajectory in inferred suplus production and fishing mortality rate to update a TAC
Fdem (Fdem.html)	Demographic FMSY method
Fdem_CC (Fdem_CC.html)	Demographic FMSY method using catch-curve analysis to estimate recent Z
Fdem_ML (Fdem_ML.html)	Demographic FMSY method that uses mean length data to estimate recent Z
Fratio (Fratio.html)	An FMSY/M ratio method
Fratio_CC (Fratio_CC.html)	A data-limited method that uses FMSY/M ratio and a naive catch-curve estimate of recent Z
Fratio_ML (Fratio_ML.html)	An FMSY/M ratio MP that uses a mean length estimator of recent Z
Fratio4010 (Fratio4010.html)	An FMSY/M ratio method paired with the 40-10 rule
GB_CC (GB_CC.html)	Geromont and Butterworth Constant Catch Harvest Control Rule
GB_slope (GB_slope.html)	Geromont and Butterworth index slope Harvest Control Rule
GB_target (GB_target.html)	Geromont and Butterworth target CPUE and catch MP
Gcontrol (Gcontrol.html)	G-control MP
HDAAC (HDAAC.html)	Hybrid Depletion Adjusted Average Catch
Islope1 (Islope1.html)	A management procedure that incrementally adjusts the TAC to maintain a constant CPUE or relative abundance index
Islope4 (Islope4.html)	A management procedure that incrementally adjusts the TAC to maintain a constant CPUE or relative abundance index
IT10 (IT10.html)	Index Target 10

IT5 (IT5.html)	Index Target 5
Itarget1 (Itarget1.html)	A management procedure that incrementally adjusts the TAC (starting from reference level that is a fraction of mean recent catches) to reach a target CPUE / relative abundance index
Itarget4 (Itarget4.html)	A management procedure that incrementally adjusts the TAC (starting from reference level that is a fraction of mean recent catches) to reach a target CPUE / relative abundance index
ITM (ITM.html)	Index Target based on natural mortality rate
L95target (L95target.html)	A management procedure that adjusts the TAC up/down from reference (target) level (that is a fraction of mean recent premanagement catches) to reach a target mean length of fish caught.
LBSPR_ItTAC (LBSPR_ItTAC.html)	Length-based SPR model with HCR that iteratively adjusts TAC
LstepCC1 (LstepCC1.html)	A management procedure that incrementally adjusts the TAC according to the mean length of recent catches.
LstepCC4 (LstepCC4.html)	A management procedure that incrementally adjusts the TAC according to the mean length of recent catches.
Ltarget1 (Ltarget1.html)	A management procedure that incrementally adjusts the TAC to reach a target mean length in catches.
Ltarget4 (Ltarget4.html)	A management procedure that incrementally adjusts the TAC to reach a target mean length in catches.
MCD (MCD.html)	Mean Catch Depletion
MCD4010 (MCD4010.html)	Mean Catch Depletion
Rcontrol (Rcontrol.html)	Harvest Control Rule using prior for intrinsic rate of increase
Rcontrol2 (Rcontrol2.html)	MP using prior for intrinsic rate of increase with a quadratic approximation to surplus production
SBT1 (SBT1.html)	SBT simple MP
SBT2 (SBT2.html)	SBT complex MP
SPmod (SPmod.html)	Surplus production based catch-limit modifier
SPMSY (SPMSY.html)	Catch trend Surplus Production MSY MP
SPslope (SPslope.html)	Slope in surplus production MP
SPSRA (SPSRA.html)	Surplus Production Stock Reduction Analysis
SPSRA_ML (SPSRA_ML.html)	Surplus Production Stock Reduction Analysis using a mean-length estimate of current stock depletion
YPR (YPR.html)	Yield Per Recruit analysis to get FMSY proxy F01
YPR_CC (YPR_CC.html)	Yield Per Recruit analysis to get FMSY proxy F01 paired to a naive catch curve estimate of recent Z
YPR_ML (YPR_ML.html)	Yield Per Recruit analysis to get FMSY proxy F01 paired with a mean-length estimate of current stock size