

Supplementary Table

Objective function values (OFVs) representing model fit for the 7 scenarios in the University of Maine Lobster Stock Assessment Model (UMM) that were used in this study. Values were calculated as summed negative log likelihoods of 1) predicted length compositions from fishery-independent surveys, 2) predicted abundance from fishery-independent surveys, 3) predicted length compositions from commercial fleet catch, 4) predicted total commercial fleet catch, and 5) predicted recruitment. The UMM scenarios are labeled the same as the scenarios in Table 3.

	UMM Scenario						
	1	2	3	4	5	6	7
OFV	68,354.7	68,787.1	69,034.3	68,408.3	68,392.8	68,833.9	69,075.8