

Supplementary Table

Information for individual female Atlantic herring (*Clupea harengus*), haddock (*Melanogrammus aeglefinus*), and yellowtail flounder (*Myxopsetta ferruginea*) for which gonad tissue was analyzed by using 4 histological staining methods. Samples were taken from stocks in the Gulf of Maine (GOM), Georges Bank (GB), and Southern New England (SNE). Sample sources were bottom-trawl surveys (BTS) of the NOAA Northeast Fisheries Science Center (NEFSC), the Study Fleet program of the NEFSC Cooperative Research Branch (CRB) and fishery-dependent sampling of the Maine Department of Marine Resources (MEDMR). GSI=gonadosomatic index.

FISH_ID	SAMPLE SOURCE	CATCH YEAR	CATCH MONTH	STOCK	TOTAL LENGTH (mm)	FORK LENGTH (mm)	TOTAL MASS (g)	GONAD MASS (g)	GSI
Atlantic herring									
HBCHA0135	NEFSC BTS	2015	Oct.	GOM/GB		240	116	0.01	0.008621
HBCHA0143	NEFSC BTS	2015	Oct.	GOM/GB		170	38	0.001	0.002632
HBCHA0144	NEFSC BTS	2015	Oct.	GOM/GB		245	124	0.01	0.008065
HBCHA0145	NEFSC BTS	2015	Oct.	GOM/GB		255	133	0.01	0.007519
HBCHA0156	NEFSC BTS	2015	Oct.	GOM/GB		255	176	0.01	0.005682
HBCHA0165	NEFSC BTS	2015	Oct.	GOM/GB		240	140	0.01	0.007143
HBCHA0188	NEFSC BTS	2015	Oct.	GOM/GB		225	104	0.01	0.009616
HBCHA0207	NEFSC BTS	2015	Oct.	GOM/GB		250	155	0.01	0.006452
MECHA0051	MEDMR	2015	Sept.	GOM/GB		263	141	11	8.461538
	commercial catch								
MECHA0060	MEDMR	2015	Sept.	GOM/GB		244	97	2	2.105263
	commercial catch								
SFCHA0188	NEFSC CRB Study Fleet	2016	Nov.	GOM/GB		243	123.3	1.109	0.907595
Yellowtail flounder									
SFLFE0663	NEFSC CRB Study Fleet	2010	Nov.	SNE	417		589	45.247	8.321241

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SFLFE1115	NEFSC CRB Study Fleet	2011	April	GB	393		441.4	37.32	9.235795
SFLFE1158	NEFSC CRB Study Fleet	2011	May	GB	401		511.3	87.326	20.59702
SFLFE1172	NEFSC CRB Study Fleet	2011	May	GB	386		472.3	52.314	12.45613
SFLFE1188	NEFSC CRB Study Fleet	2011	June	SNE	440		763.5	24.638	3.334588
SFLFE1284	NEFSC CRB Study Fleet	2012	March	SNE	410		509	16.109	3.268268
SFLFE3218	NEFSC CRB Study Fleet	2018	March	GOM	352		356.9	16.797	4.938798
SFLFE3596	NEFSC CRB Study Fleet	2019	March	GOM	315		238.6	14.009	6.237561
SFLFE3769	NEFSC CRB Study Fleet	2019	March	GOM	306		241.6	7.781	3.327788
Haddock									
SFMAE1151	NEFSC CRB Study Fleet	2013	Jan.	GB	545	570	1639.5	64.727	4.110243
SFMAE1155	NEFSC CRB Study Fleet	2013	Jan.	GB	459	483	1044.2	8.432	0.814082
SFMAE1157	NEFSC CRB Study Fleet	2013	Jan.	GB	476	494	1115.1	20.433	1.866595
SFMAE1184	NEFSC CRB Study Fleet	2013	Feb.	GB	567	585	1966.1	55.068	2.881584
SFMAE1194	NEFSC CRB Study Fleet	2013	Feb.	GOM	641	670	2778.7	293.3	11.80092
SFMAE1199	NEFSC CRB Study Fleet	2013	Feb.	GOM	676	711	2885.3	294.8	11.38004

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SFMAE1511	NEFSC CRB Study Fleet	2015	Feb.	GB	465	490	828	17.957	2.216796
SFMAE1512	NEFSC CRB Study Fleet	2015	Feb.	GB	470	493	1093.6	45.368	4.32805
SFMAE1514	NEFSC CRB Study Fleet	2015	Feb.	GB	408	429	641.7	4.037	0.633093
SFMAE1542	NEFSC CRB Study Fleet	2015	March	GB	612	635	2205.8	174.011	8.564423