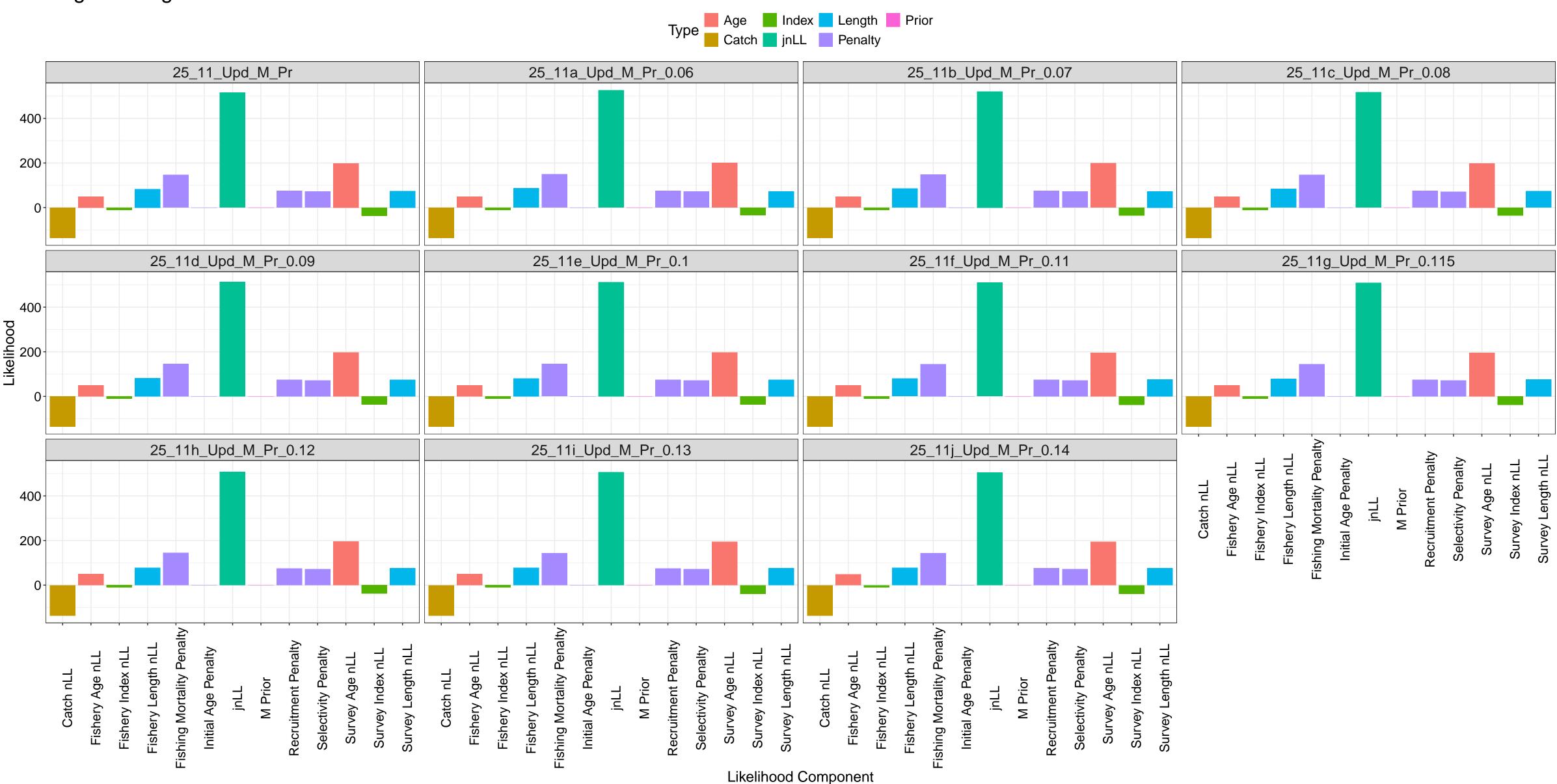
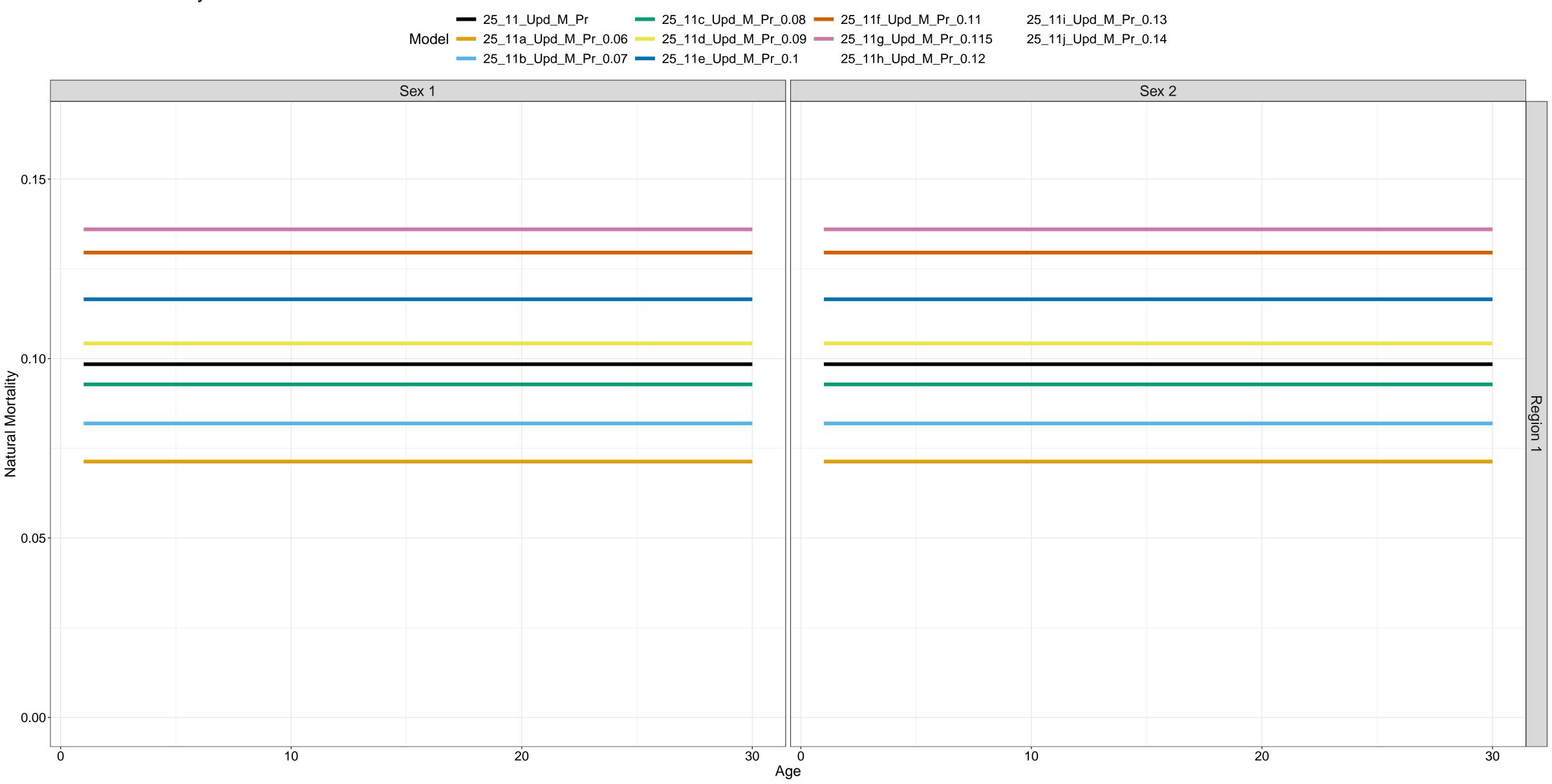
Model	Region	Terminal_SSB	Terminal_F	Catch_Advice	B_Ref_Pt	F_Ref_Pt	B_over_B_Ref	F_over_F_Ref
1 25_11_Upd_M_Pr	1	178.3803	0.05147170	37.28203	123.4346	0.08281	1.44514	0.62155
2 25_11a_Upd_M_Pr_0.06	1	134.1069	0.06825657	22.43653	139.4829	0.06740	0.96146	1.01277
3 25_11b_Upd_M_Pr_0.07	1	148.7207	0.06172415	28.06634	129.9411	0.07388	1.14452	0.83545
4 25_11c_Upd_M_Pr_0.08	1	167.1043	0.05497411	33.81507	124.6392	0.07992	1.34070	0.68786
5 25_11d_Upd_M_Pr_0.09	1	191.6432	0.04785636	41.32218	123.2479	0.08565	1.55494	0.55874
6 25_11e_Upd_M_Pr_0.1	1	227.3000	0.04022474	52.04808	126.6370	0.09133	1.79489	0.44045
7 25_11f_Upd_M_Pr_0.11	1	283.0122	0.03222845	68.58336	137.3426	0.09713	2.06063	0.33181
8 25_11g_Upd_M_Pr_0.115	1	322.2427	0.02828492	80.15346	146.6618	0.10000	2.19718	0.28286
9 25_11h_Upd_M_Pr_0.12	1	371.8133	0.02450344	94.73748	159.4849	0.10276	2.33134	0.23846
10 25_11i_Upd_M_Pr_0.13	1	516.0917	0.01764780	137.11539	199.8919	0.10782	2.58185	0.16367
11 25_11j_Upd_M_Pr_0.14	1	773.4120	0.01177704	212.67415	275.9456	0.11225	2.80277	0.10492

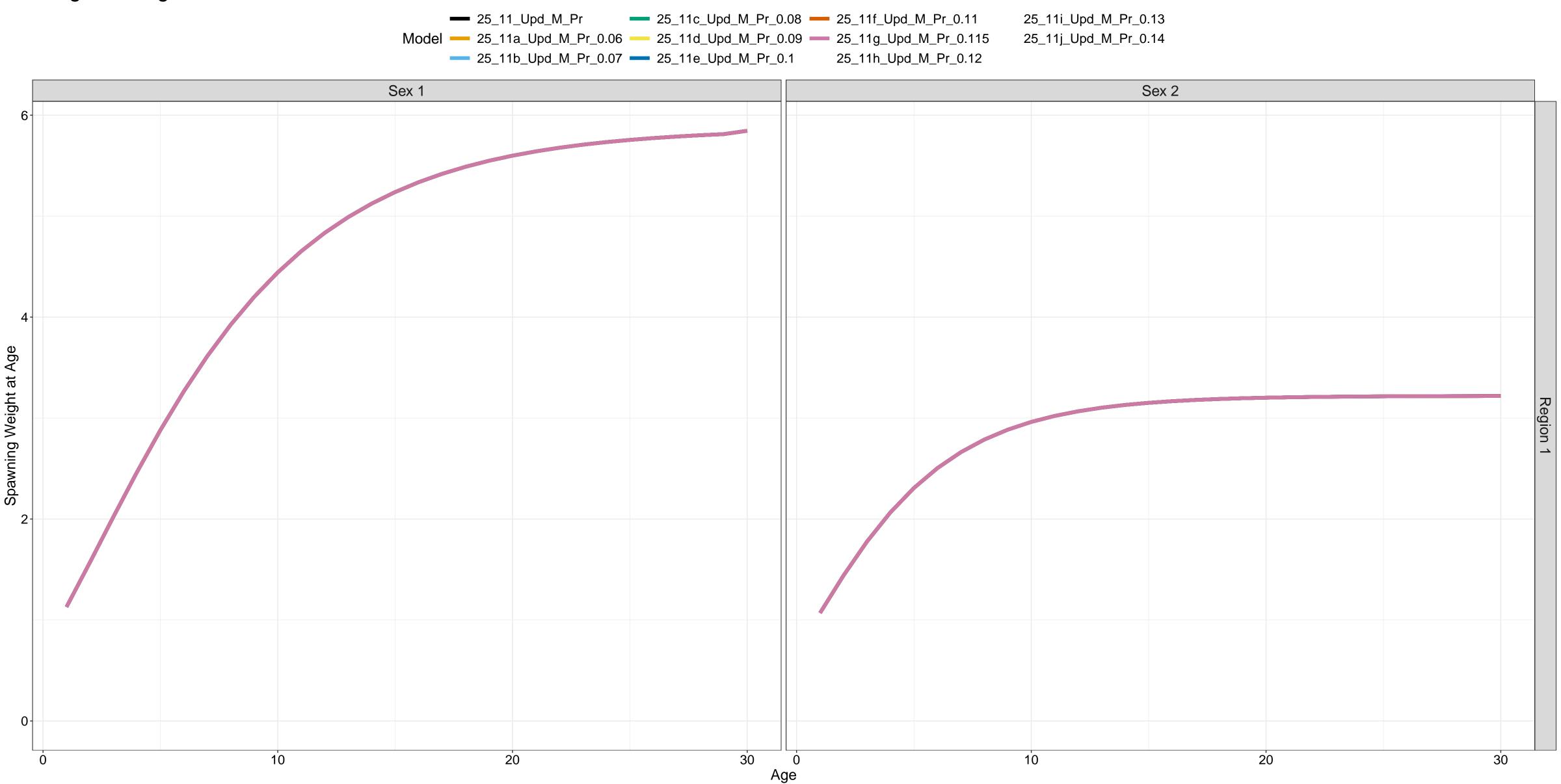
Model	jnLL	M Prior	Recruitment Penalty	<b>Selectivity Penalty</b>	Catch nLL	Fishing Mortality Penalty	Survey Index nLL	Fishery Index nLL	Initial Age Penalty	Survey Age nLL	Fishery Age nLL	Survey Length nLL	Fishery Length nLL
1 25_11_Upd_M_Pr	515.6982	-0.30818739	75.25098	72.00785	-136.1671	146.9464	-36.65904	-11.54096	0.2849454	198.4586	49.73668	74.45816	83.22979
2 25_11a_Upd_M_Pr_0.06	525.9021	0.10534605	75.35096	72.10807	-135.7357	149.6193	-34.58817	-10.92249	0.5211898	200.6924	48.88470	72.58611	87.28040
3 25_11b_Upd_M_Pr_0.07	520.8668	-0.14598109	75.29073	72.02882	-135.9205	148.4395	-35.53400	-11.31912	0.4173551	199.6228	49.24686	73.32260	85.41772
4 25_11c_Upd_M_Pr_0.08	517.1544	-0.28106166	75.25906	72.00284	-136.0888	147.4117	-36.32367	-11.51010	0.3255686	198.8142	49.58912	74.07244	83.88307
5 25_11d_Upd_M_Pr_0.09	514.4613	-0.30715274	75.25060	72.02532	-136.2416	146.5085	-36.96011	-11.53376	0.2481119	198.1081	49.86169	74.85415	82.64747
6 25_11e_Upd_M_Pr_0.1	512.3676	-0.21553412	75.28624	72.09742	-136.3791	145.7126	-37.50708	-11.41162	0.1875556	197.3920	50.03435	75.65630	81.51453
7 25_11f_Upd_M_Pr_0.11	510.3349	-0.04841531	75.38505	72.20591	-136.4953	145.0496	-38.02446	-11.15315	0.1505292	196.6853	50.08597	76.35649	80.13731
8 25_11g_Upd_M_Pr_0.115	509.3064	0.02265351	75.45796	72.26712	-136.5418	144.7762	-38.25729	-10.98453	0.1426626	196.3277	50.05678	76.62290	79.41608
9 25_11h_Upd_M_Pr_0.12	508.2993	0.06124012	75.54315	72.32986	-136.5798	144.5412	-38.46151	-10.80226	0.1415229	195.9536	49.99187	76.82403	78.75640
10 25_11i_Upd_M_Pr_0.13	506.4652	0.01136351	75.73649	72.45368	-136.6324	144.1730	-38.77590	-10.43537	0.1544857	195.1290	49.78641	77.05346	77.81098
<i>11</i> 25_11j_Upd_M_Pr_0.14	505.0103	-0.18059589	75.94233	72.57048	-136.6622	143.9090	-38.98243	-10.10414	0.1787029	194.1957	49.54142	77.12375	77.47825



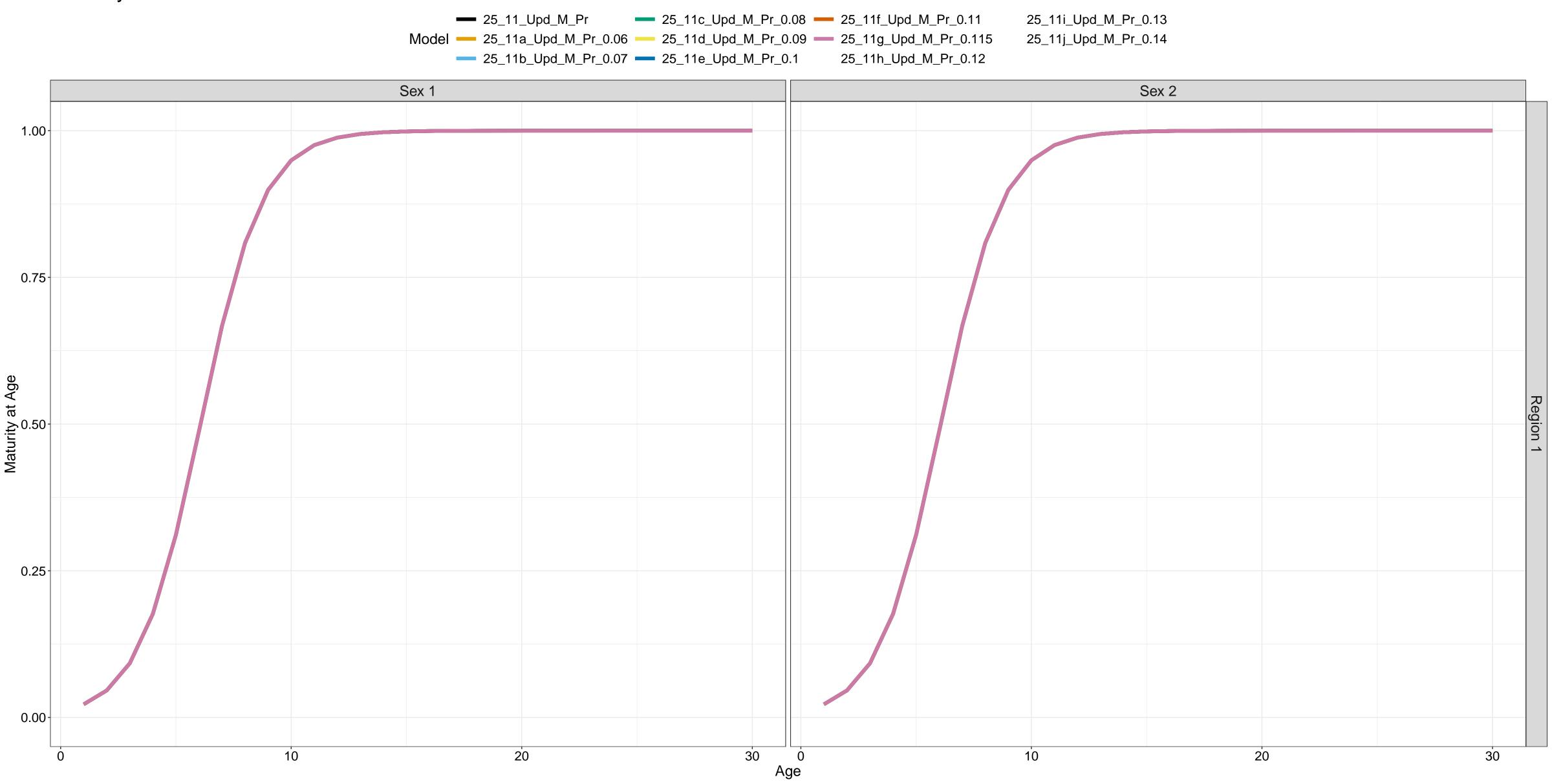
Data Region 1 1\_Upd\_N \_Upd\_M\_ \_Upd\_M\_ \_Upd\_M\_ \_Upd\_M\_ \_Upd\_M\_ \_Upd\_M\_ \_Upd\_M\_F \_Upd\_M\_ Upd\_M\_| Upd\_M\_ Year

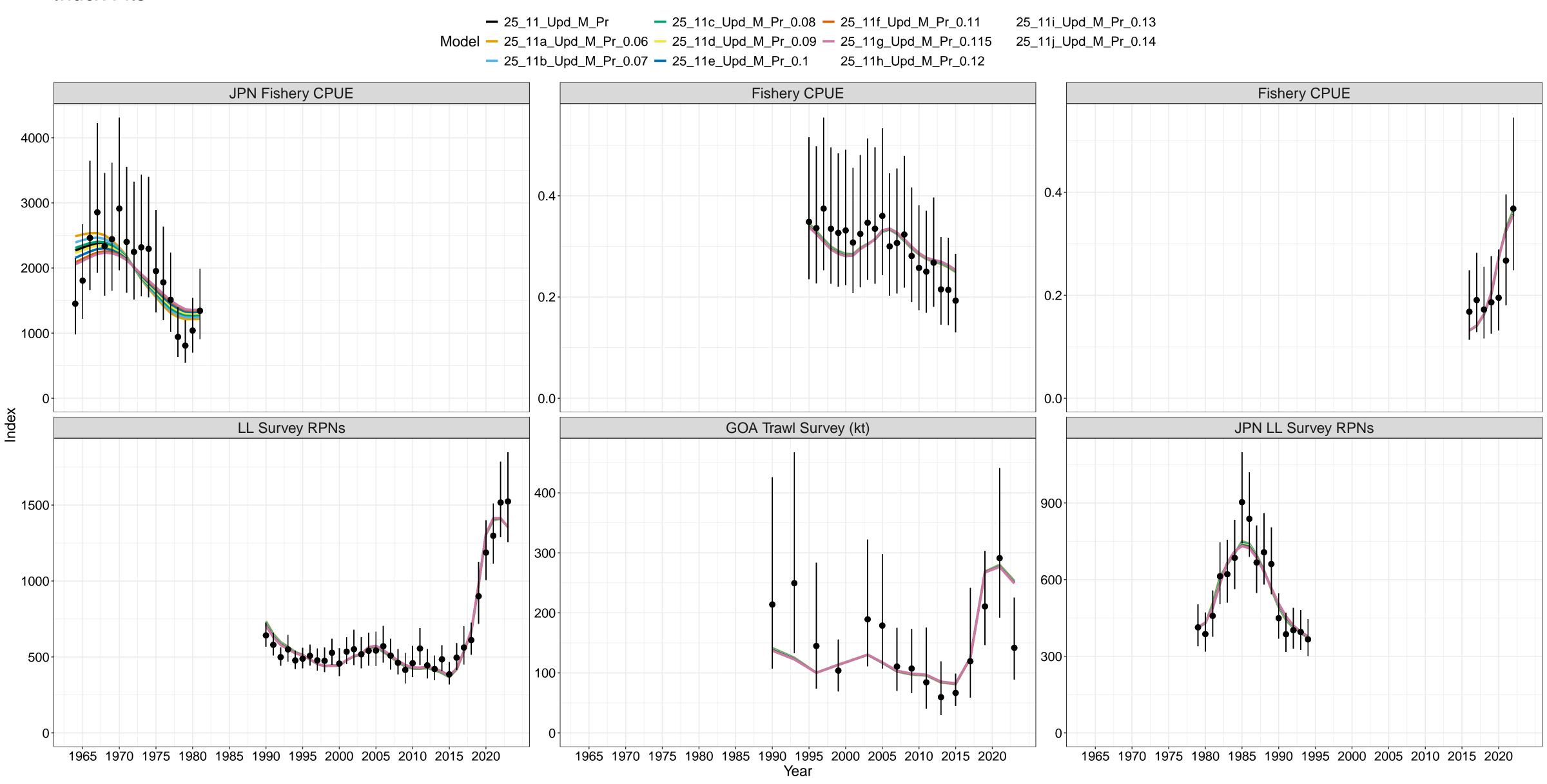
**Natural Mortality** 



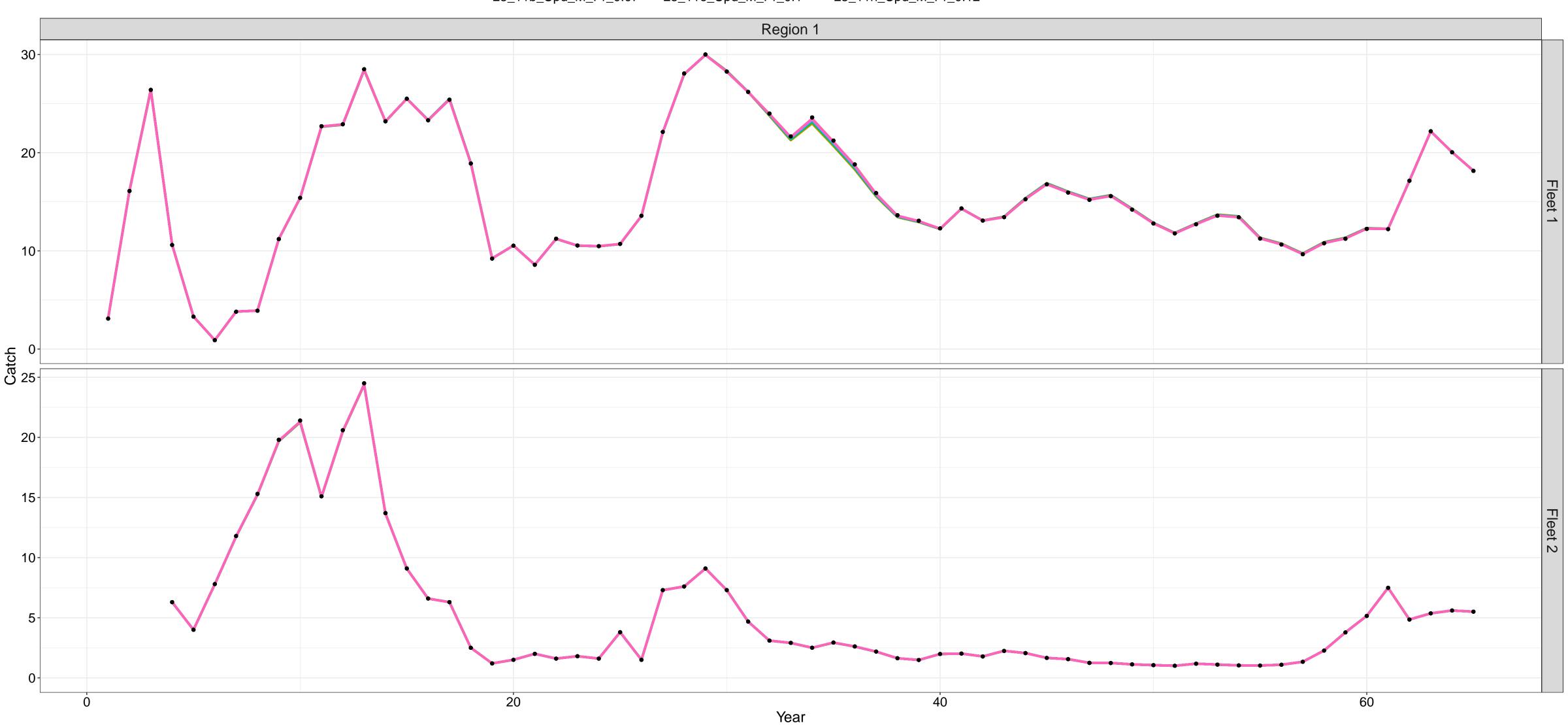


Maturity

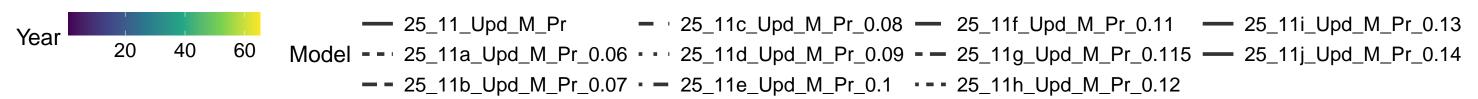


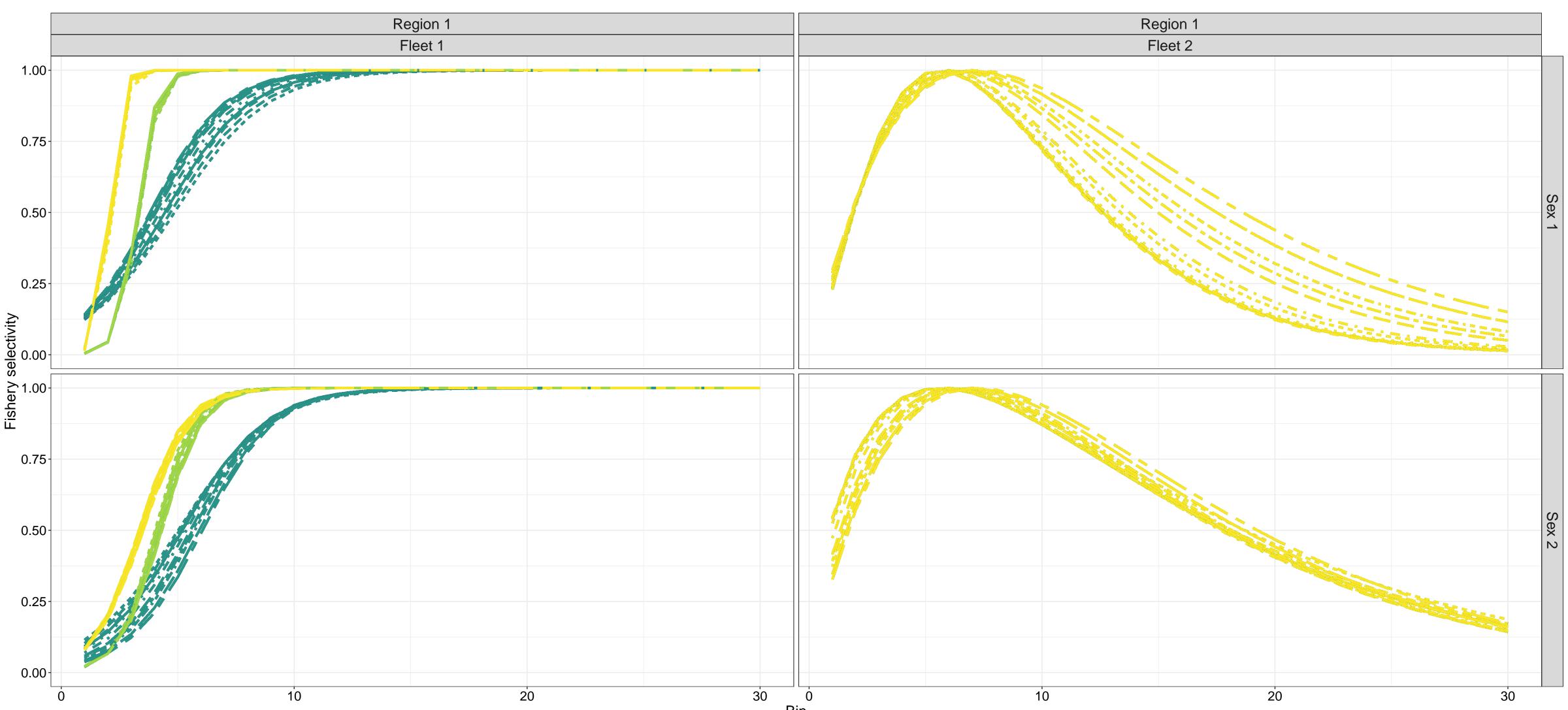


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- 25_11_Upd_M_Pr
- 25_11c_Upd_M_Pr_0.08
- 25_11f_Upd_M_Pr_0.11
- 25_11i_Upd_M_Pr_0.13
Model
- 25_11a_Upd_M_Pr_0.06
- 25_11d_Upd_M_Pr_0.09
- 25_11g_Upd_M_Pr_0.115
- 25_11j_Upd_M_Pr_0.14
- 25_11b_Upd_M_Pr_0.07
- 25_11e_Upd_M_Pr_0.1
- 25_11h_Upd_M_Pr_0.12
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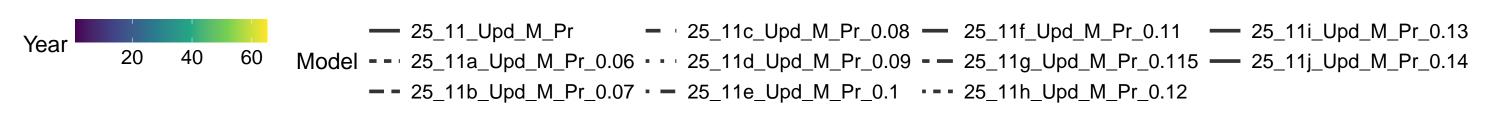


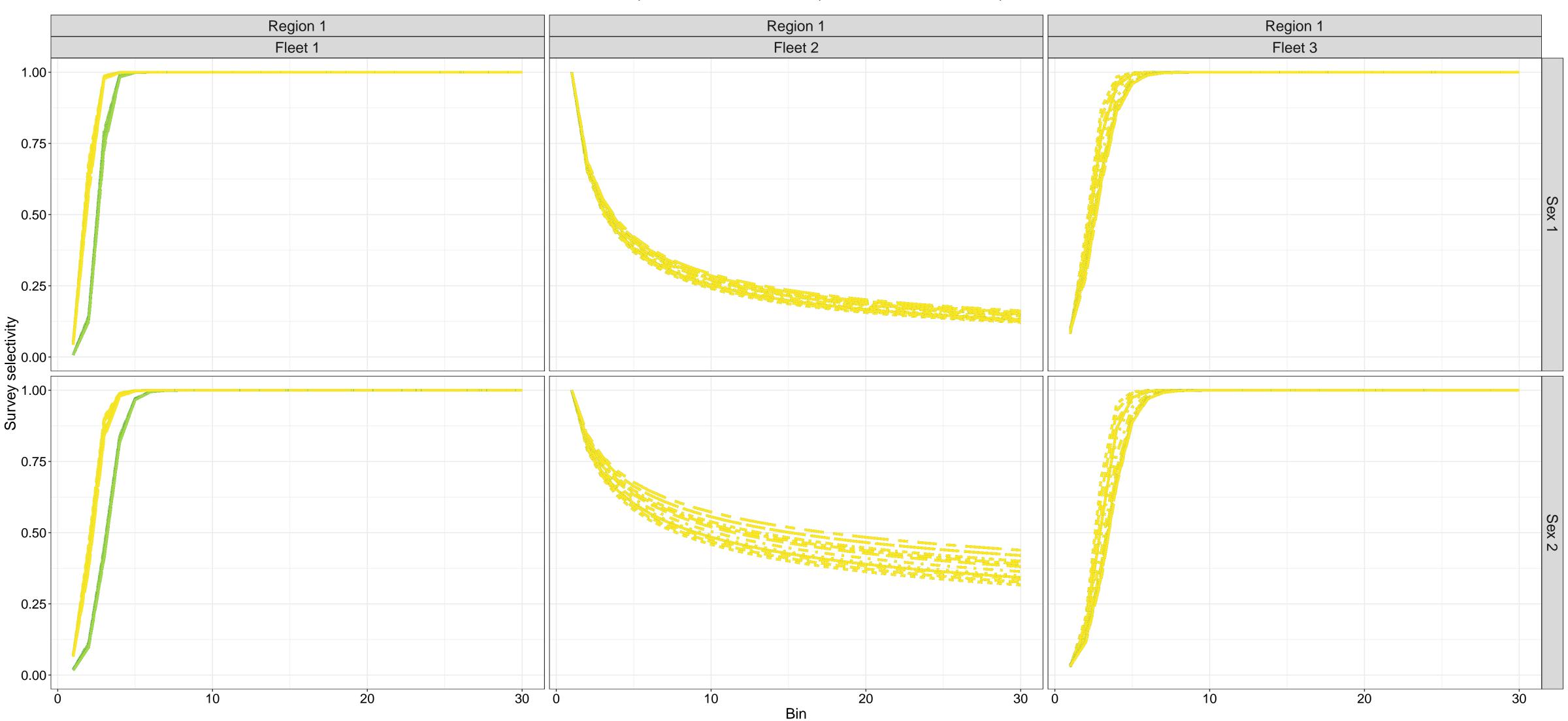
Fishery Selectivity

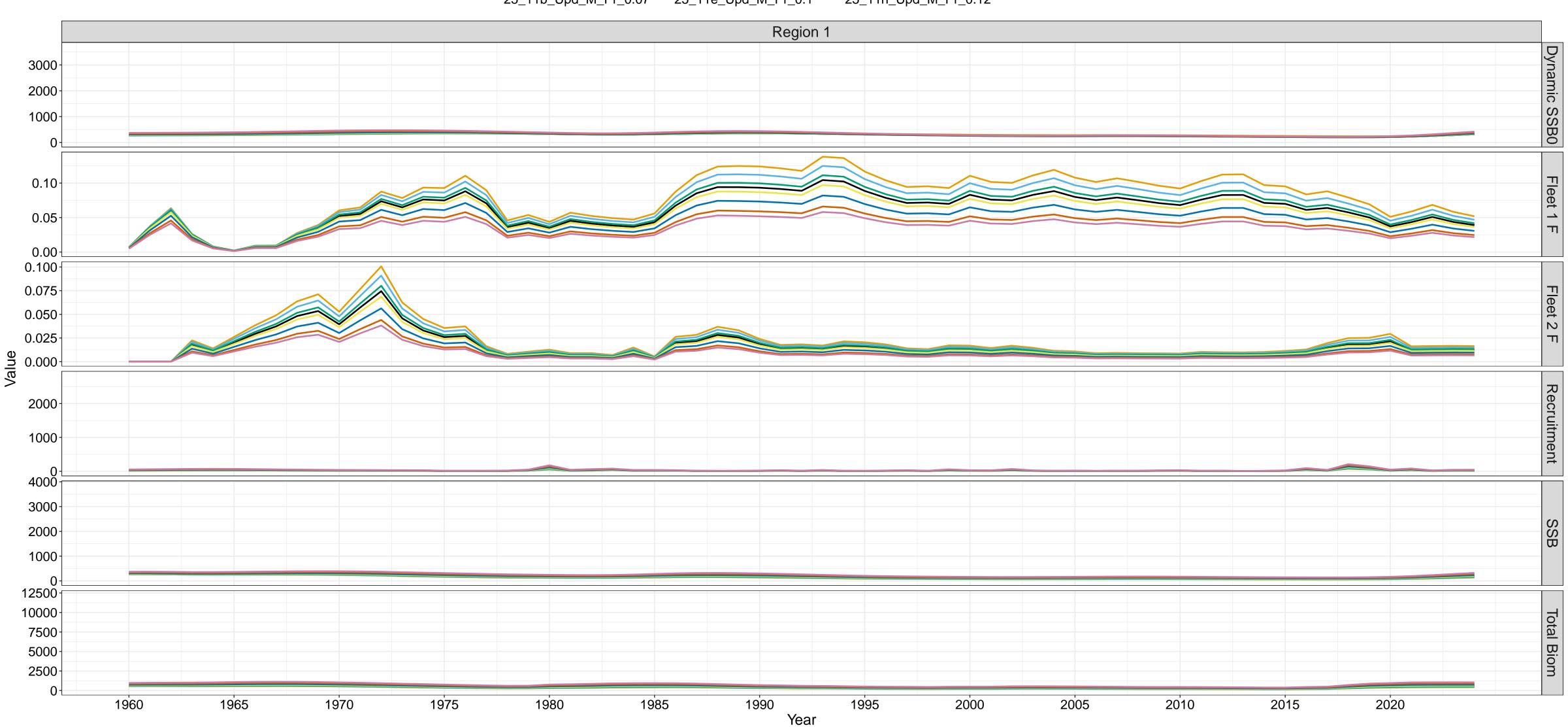




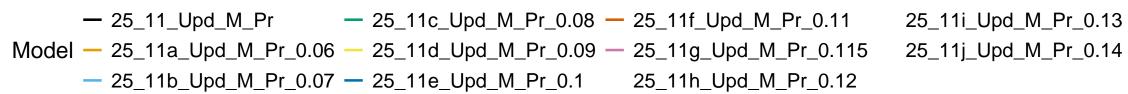
Survey Selectivity

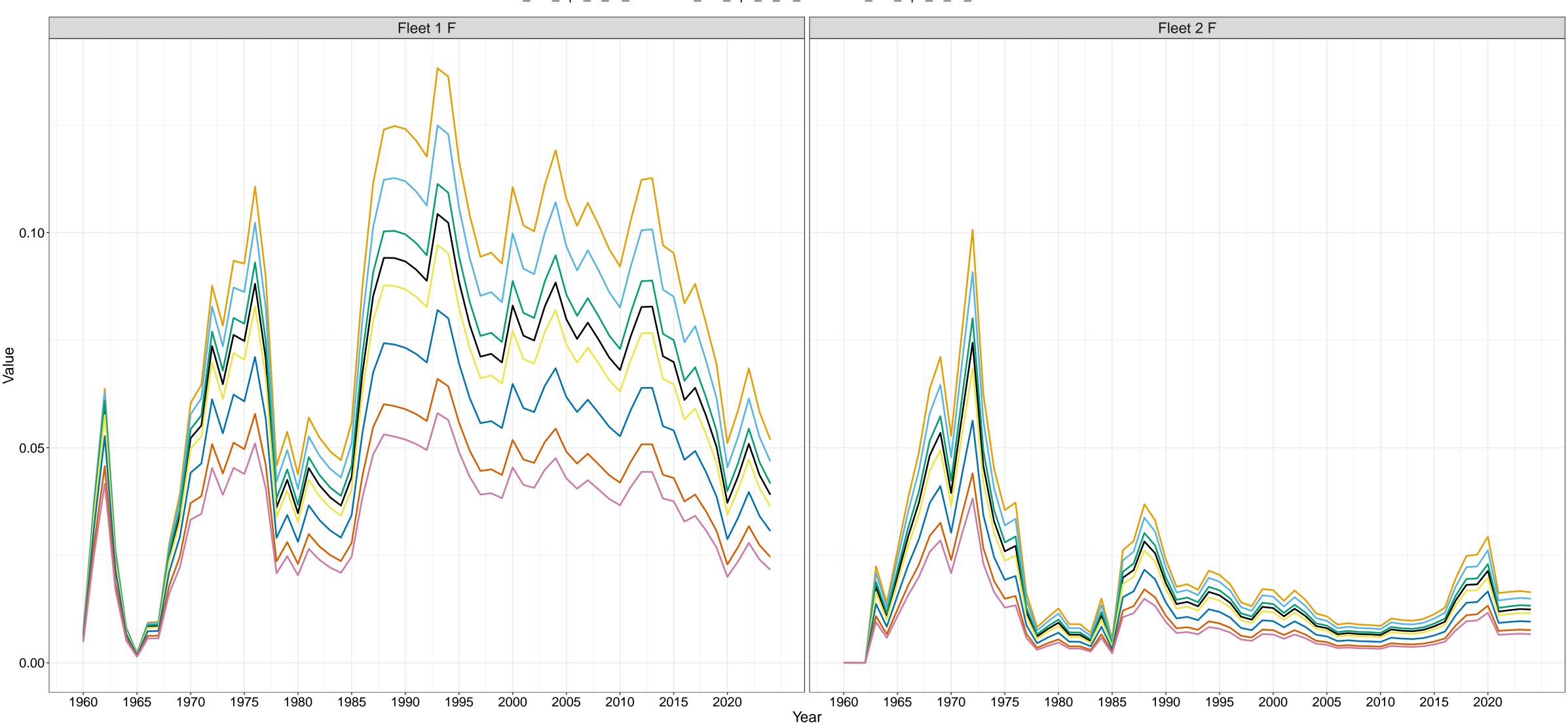




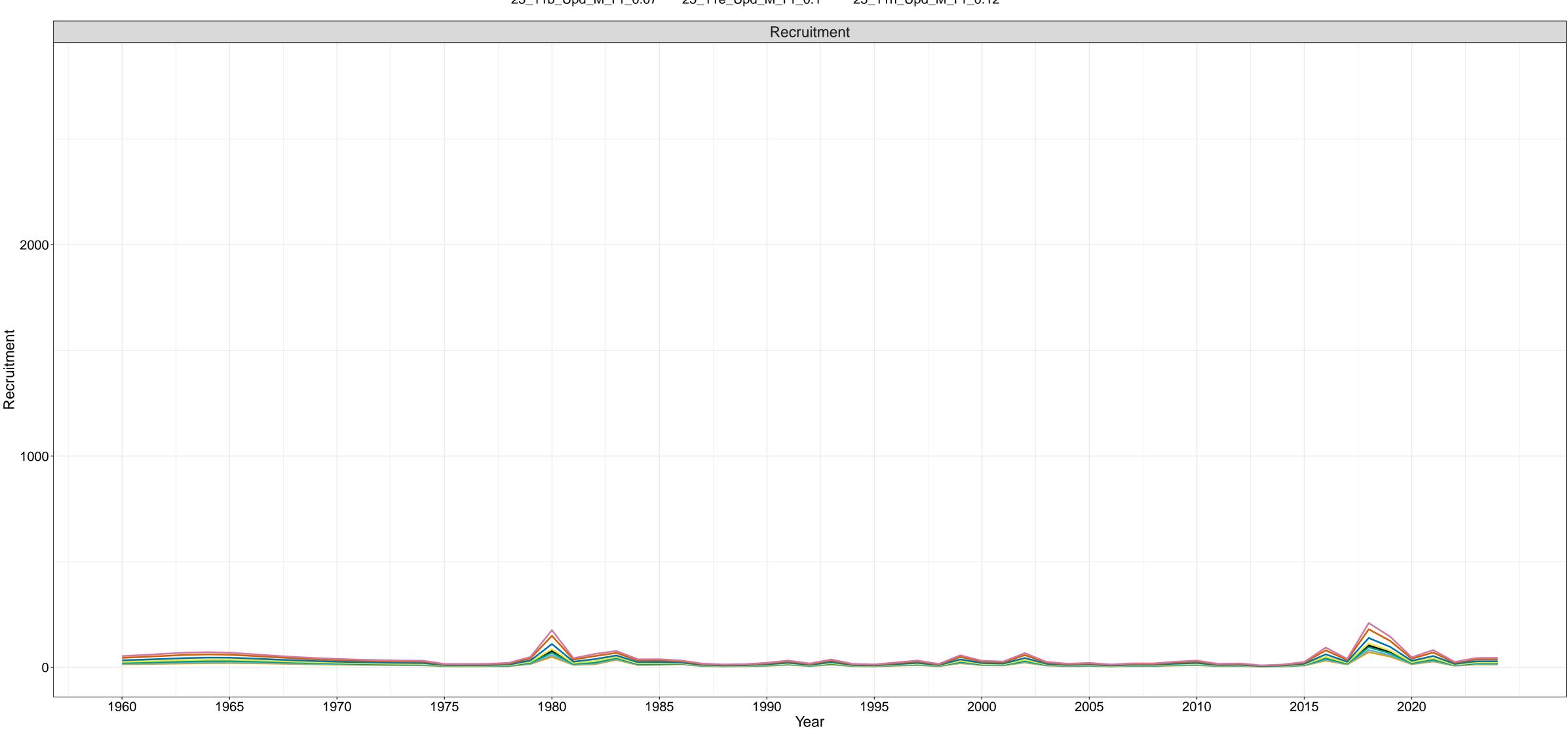


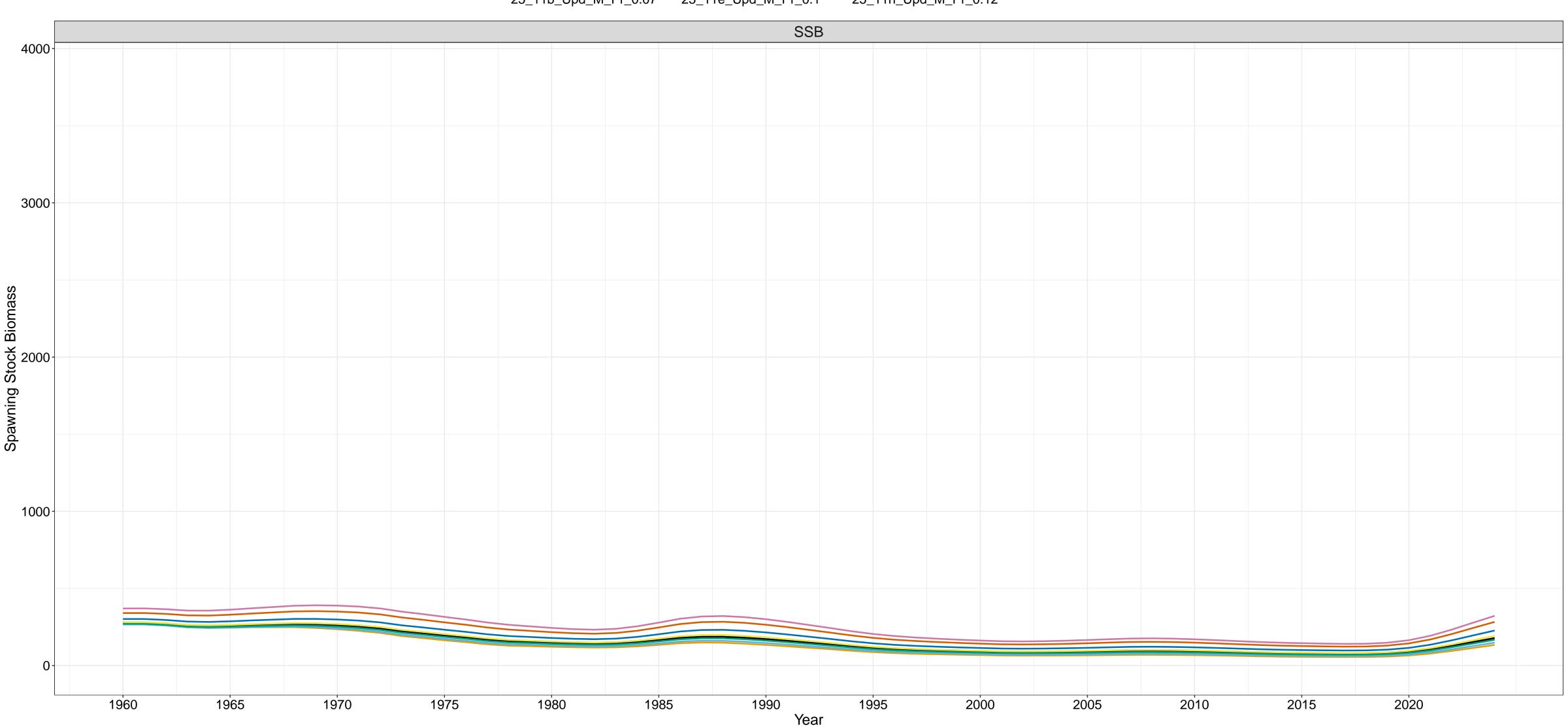
Fishing Mortality



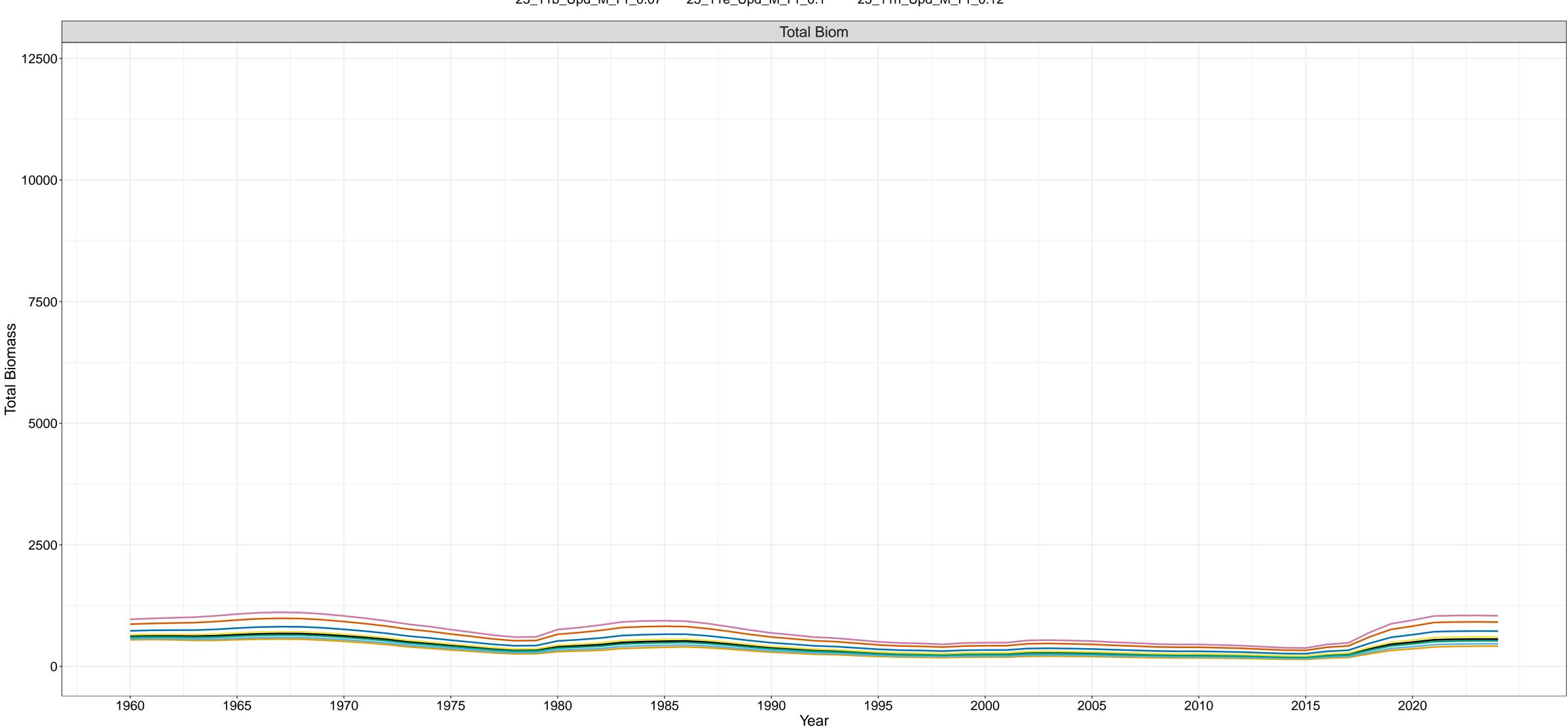


Recruitment

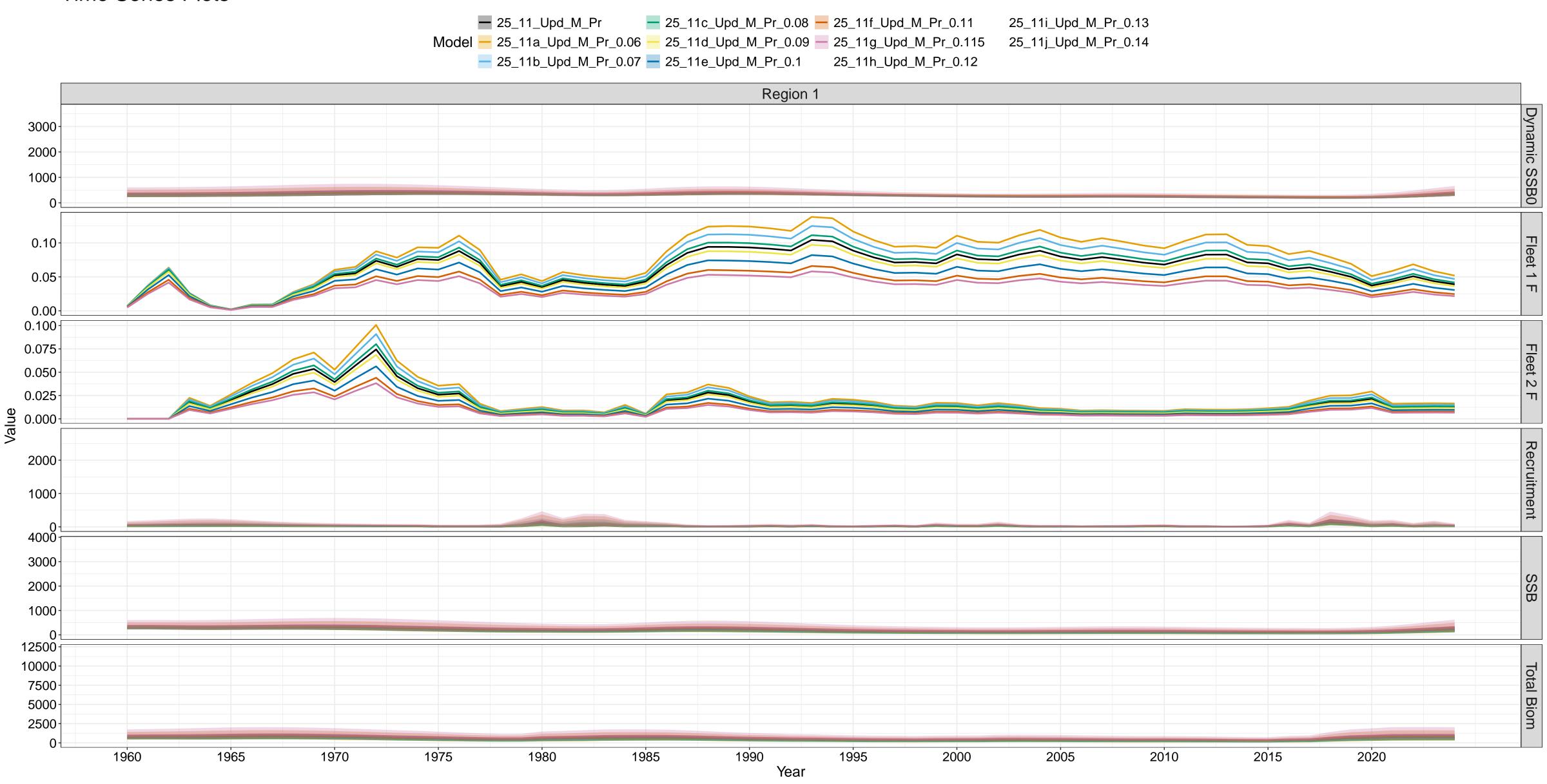




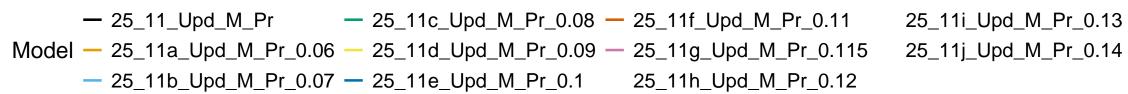
**Biomass** 

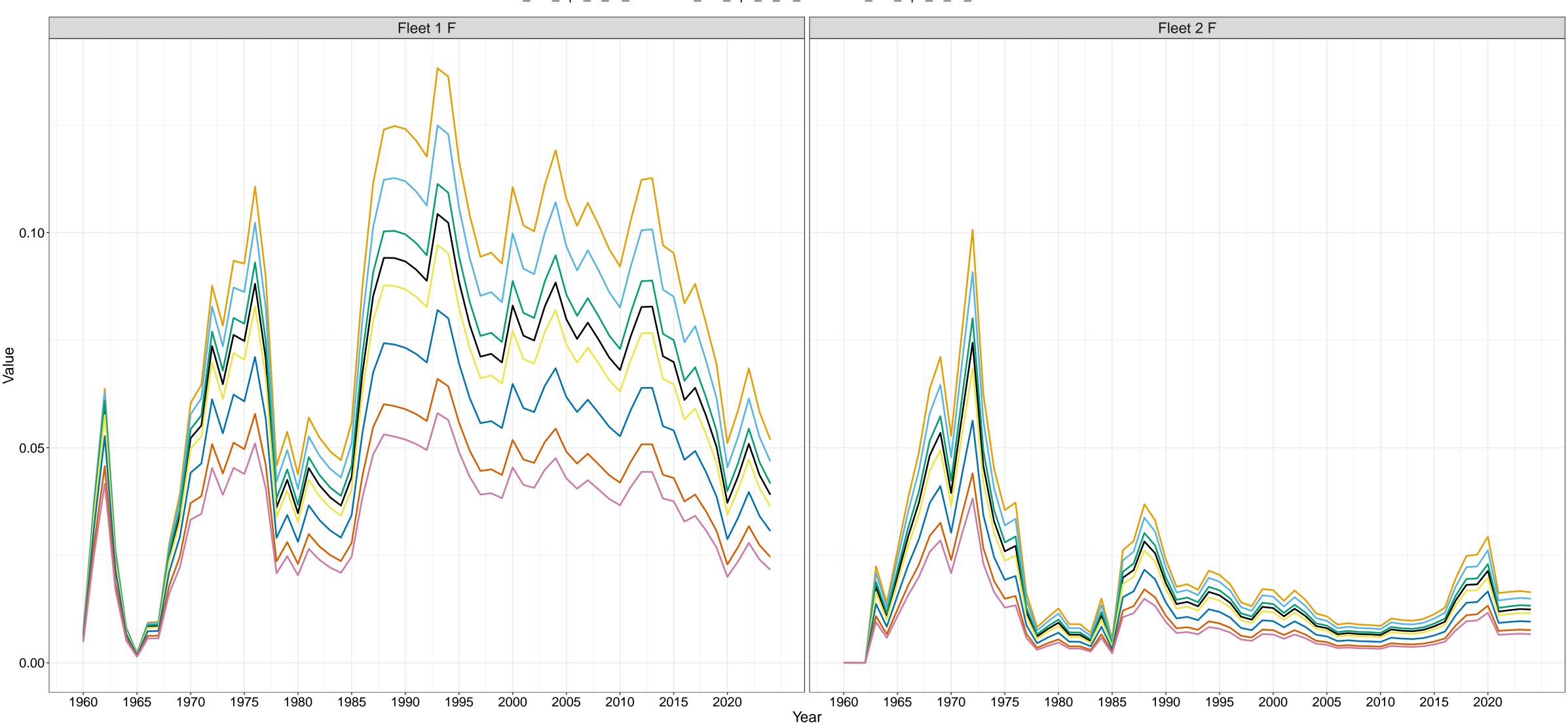


Time Series Plots



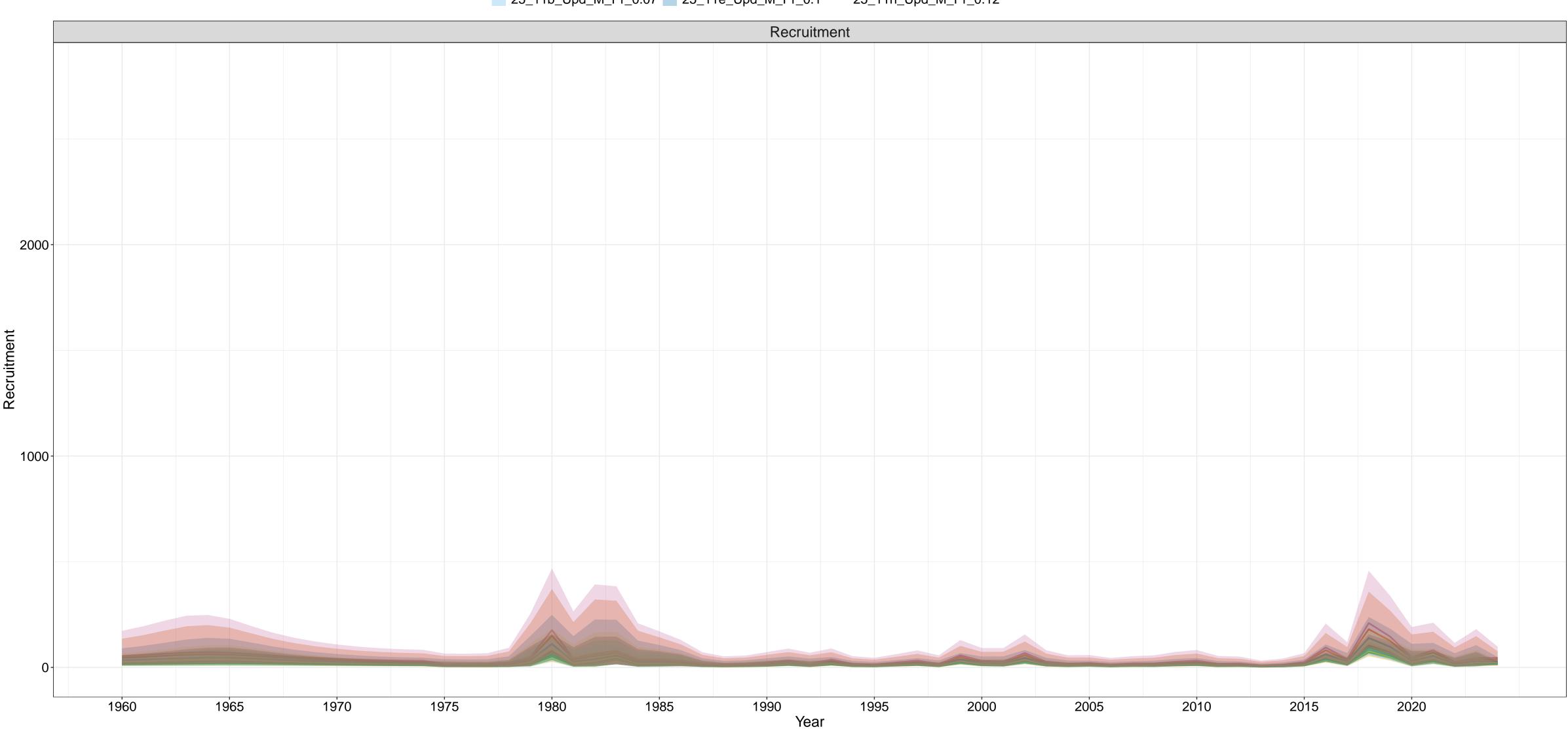
Fishing Mortality

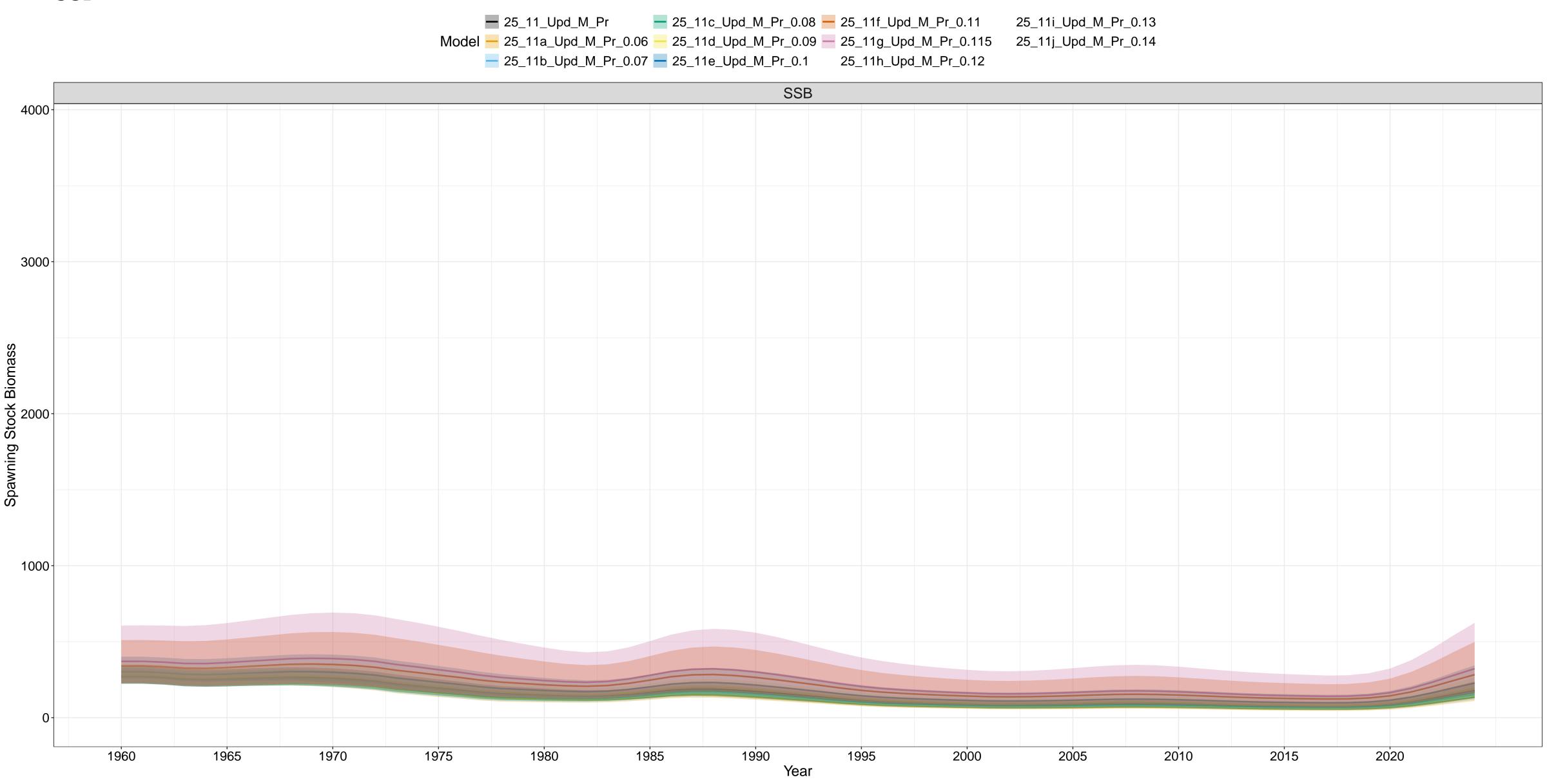




Recruitment







Biomass

