**Supporting Information, Table S1**

**An integrated assessment model for helping the United States sea scallop (*P. magellanicus*) fishery plan ahead for ocean acidification and warming**

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Table S1. Model sensitivity analysis parameters and distributions.

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| --- | --- | --- | --- |
| **Submodel** | **Model Parameters** | **Distribution** | **Source** |
| Scallop | Shell height-Meat Weight | Multivariate Normal | [1] |
| Selectivity | Multivariate Normal | [1] |
| Incidental Mortality | Gamma | [1] |
| Discard Mortality | Gamma | [1] |
| Natural Mortality | Gamma | [1] |
| ∆G - ∆Ω relationship | Multivariate Normal | This study |
| Socio-Econ | Production Function | Multivariate Normal | This study |
| Price elasticity of demand | Normal | [2] |
| Income elasticity of demand | Normal | [2] |
| BGC | Pic-Poc ratio | Uniform | This study |
| Ks | Uniform | This study |
| Primary Productivity | Multivariate Normal | This study |
| Wind | Multivariate Normal | This study |

1. Hart DR. Quantifying the tradeoff between precaution and yield in fishery reference points. Ices J Mar Sci. 2013;70: 591–603. doi:10.1093/icesjms/fss204

2. Moore CC. Welfare Impacts of Ocean Acidification: An Integrated Assessment Model of the US Mollusk Fishery. National Center for Environmental Economics: U.S. Environmental Protection Agency; 2011 Dec. Report No.: 11-06.