| **Model** | **Type** | **Index** | **p-value** | **Test** | **Sigma3 lo** | **Sigma3 hi** |
| --- | --- | --- | --- | --- | --- | --- |
| Model22.2 old | cpue | Survey | 0.280 | Passed | -0.376 | 0.376 |
| Model22.2 updated | cpue | Survey | 0.261 | Passed | -0.433 | 0.433 |
| MODEL23.1.0.a | cpue | Survey | 0.850 | Passed | -0.424 | 0.424 |
| MODEL23.1.0.b | cpue | Survey | 0.903 | Passed | -0.260 | 0.260 |
| MODEL23.1.0.c | cpue | Survey | 0.903 | Passed | -0.259 | 0.259 |
| MODEL23.1.0.d | cpue | Survey | 0.903 | Passed | -0.222 | 0.222 |
| MODEL23.1.0.e | cpue | Survey | 0.900 | Passed | -0.243 | 0.243 |
| MODEL23.1.0.f | cpue | Survey | 0.903 | Passed | -0.220 | 0.220 |
| MODEL23.1.0.g | cpue | Survey | 0.974 | Passed | -0.227 | 0.227 |
| MODEL23.1.0.h | cpue | Survey | 0.903 | Passed | -0.265 | 0.265 |
| MODEL23.1.0.i | cpue | Survey | 0.739 | Passed | -0.248 | 0.248 |
| MODEL23.2.0.a | cpue | Survey | 0.850 | Passed | -0.411 | 0.411 |
| MODEL23.2.0.b | cpue | Survey | 0.995 | Passed | -0.411 | 0.411 |
| MODEL23.2.0.c | cpue | Survey | 0.995 | Passed | -0.410 | 0.410 |
| MODEL23.2.0.d | cpue | Survey | 0.973 | Passed | -0.313 | 0.313 |
| MODEL23.2.0.e | cpue | Survey | 0.973 | Passed | -0.316 | 0.316 |
| MODEL23.2.0.f | cpue | Survey | 0.973 | Passed | -0.313 | 0.313 |
| MODEL23.2.0.g | cpue | Survey | 0.973 | Passed | -0.317 | 0.317 |
| MODEL23.2.0.h | cpue | Survey | 0.974 | Passed | -0.329 | 0.329 |
| Model22.2 old | len | Fishery | 0.002 | Failed | -0.024 | 0.024 |
| Model22.2 old | len | Survey | 0.000 | Failed | -0.077 | 0.077 |
| Model22.2 updated | len | Fishery | 0.009 | Failed | -0.019 | 0.019 |
| Model22.2 updated | len | Survey | 0.122 | Passed | -0.090 | 0.090 |
| MODEL23.1.0.a | len | Fishery | 0.003 | Failed | -0.066 | 0.066 |
| MODEL23.1.0.a | len | Survey | 0.625 | Passed | -0.100 | 0.100 |
| MODEL23.1.0.b | len | Fishery | 0.155 | Passed | -0.060 | 0.060 |
| MODEL23.1.0.b | len | Survey | 0.815 | Passed | -0.125 | 0.125 |
| MODEL23.1.0.c | len | Fishery | 0.040 | Failed | -0.048 | 0.048 |
| MODEL23.1.0.c | len | Survey | 0.815 | Passed | -0.125 | 0.125 |
| MODEL23.1.0.d | len | Fishery | 0.155 | Passed | -0.060 | 0.060 |
| MODEL23.1.0.d | len | Survey | 0.462 | Passed | -0.087 | 0.087 |
| MODEL23.1.0.e | len | Fishery | 0.137 | Passed | -0.059 | 0.059 |
| MODEL23.1.0.e | len | Survey | 0.815 | Passed | -0.083 | 0.083 |
| MODEL23.1.0.f | len | Fishery | 0.155 | Passed | -0.061 | 0.061 |
| MODEL23.1.0.f | len | Survey | 0.815 | Passed | -0.085 | 0.085 |
| MODEL23.1.0.g | len | Fishery | 0.155 | Passed | -0.061 | 0.061 |
| MODEL23.1.0.g | len | Survey | 0.815 | Passed | -0.083 | 0.083 |
| MODEL23.1.0.h | len | Fishery | 0.015 | Failed | -0.075 | 0.075 |
| MODEL23.1.0.h | len | Survey | 0.625 | Passed | -0.083 | 0.083 |
| MODEL23.1.0.i | len | Fishery | 0.137 | Passed | -0.058 | 0.058 |
| MODEL23.1.0.i | len | Survey | 0.388 | Passed | -0.072 | 0.072 |
| MODEL23.2.0.a | len | Fishery | 0.003 | Failed | -0.066 | 0.066 |
| MODEL23.2.0.a | len | Survey | 0.872 | Passed | -0.096 | 0.096 |
| MODEL23.2.0.b | len | Fishery | 0.155 | Passed | -0.061 | 0.061 |
| MODEL23.2.0.b | len | Survey | 0.093 | Passed | -0.039 | 0.039 |
| MODEL23.2.0.c | len | Fishery | 0.012 | Failed | -0.031 | 0.031 |
| MODEL23.2.0.c | len | Survey | 0.093 | Passed | -0.042 | 0.042 |
| MODEL23.2.0.d | len | Fishery | 0.155 | Passed | -0.060 | 0.060 |
| MODEL23.2.0.d | len | Survey | 0.462 | Passed | -0.058 | 0.058 |
| MODEL23.2.0.e | len | Fishery | 0.155 | Passed | -0.059 | 0.059 |
| MODEL23.2.0.e | len | Survey | 0.144 | Passed | -0.056 | 0.056 |
| MODEL23.2.0.f | len | Fishery | 0.155 | Passed | -0.061 | 0.061 |
| MODEL23.2.0.f | len | Survey | 0.144 | Passed | -0.072 | 0.072 |
| MODEL23.2.0.g | len | Fishery | 0.062 | Passed | -0.061 | 0.061 |
| MODEL23.2.0.g | len | Survey | 0.144 | Passed | -0.038 | 0.038 |
| MODEL23.2.0.h | len | Fishery | 0.003 | Failed | -0.068 | 0.068 |
| MODEL23.2.0.h | len | Survey | 0.001 | Failed | -0.066 | 0.066 |
| Model22.2\_old | age | Survey | 0.039 | Failed | -0.160 | 0.160 |
| Model22.2\_updated | age | Survey | 0.401 | Passed | -0.199 | 0.199 |
| MODEL23.1.0.a | age | Survey | 0.177 | Passed | -0.250 | 0.250 |
| MODEL23.1.0.b | age | Survey | 0.086 | Passed | -0.161 | 0.161 |
| MODEL23.1.0.c | age | Survey | 0.016 | Failed | -0.161 | 0.161 |
| MODEL23.1.0.d | age | Survey | 0.298 | Passed | -0.160 | 0.160 |
| MODEL23.1.0.e | age | Survey | 0.086 | Passed | -0.153 | 0.153 |
| MODEL23.1.0.f | age | Survey | 0.298 | Passed | -0.160 | 0.160 |
| MODEL23.1.0.g | age | Survey | 0.086 | Passed | -0.153 | 0.153 |
| MODEL23.1.0.h | age | Survey | 0.016 | Failed | -0.152 | 0.152 |
| MODEL23.1.0.i | age | Survey | 0.192 | Passed | -0.198 | 0.198 |
| MODEL23.2.0.a | age | Survey | 0.165 | Passed | -0.242 | 0.242 |
| MODEL23.2.0.b | age | Survey | 0.177 | Passed | -0.252 | 0.252 |
| MODEL23.2.0.c | age | Survey | 0.039 | Failed | -0.251 | 0.251 |
| MODEL23.2.0.d | age | Survey | 0.086 | Passed | -0.208 | 0.208 |
| MODEL23.2.0.e | age | Survey | 0.086 | Passed | -0.172 | 0.172 |
| MODEL23.2.0.f | age | Survey | 0.086 | Passed | -0.208 | 0.208 |
| MODEL23.2.0.g | age | Survey | 0.086 | Passed | -0.172 | 0.172 |
| MODEL23.2.0.h | age | Survey | 0.086 | Passed | -0.176 | 0.176 |