**Supporting information for Fujiwara et al. (2018) A coupled recreational anglers’ decision and fish population dynamics model. PLOS One.**

TABLE S2. Ten top vector autoregressive state-space models for red drum based on BIC. “x” indicates the parameter was included in the model. The full equations are shown in the main text (equations 1 and 2). ΔBIC is the delta BIC. The estimated parameters for the best model is shown in Table 1 of the main text.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | ΔBIC |
|  | x |  | x | x | x |  |  | x | x |  | x |  | x | x | x |  0 |
|  | x |  | x | x | x |  |  | x | x | x |  |  | x | x | x |  0.22 |
|  | x |  | x | x |  | x |  |  | x |  | x |  | x | x | x |  1.15 |
|  | x |  | x | x |  | x |  |  | x | x |  |  | x | x | x |  1.38 |
|  | x |  | x | x |  | x |  | x | x |  | x |  | x | x | x |  1.44 |
|  | x |  | x | x | x |  |  |  | x |  | x |  | x | x | x |  1.62 |
|  | x |  | x | x |  | x |  | x | x | x |  |  | x | x | x |  1.67 |
|  | x |  | x | x | x |  |  |  | x | x |  |  | x | x | x |  1.85 |
| x | x |  | x | x | x |  |  | x | x |  | x |  | x | x | x |  2.01 |
| x | x |  | x | x |  | x |  |  | x |  | x |  | x | x | x |  2.03 |