References for each method

**FishLife**

*Thorson, J.T., Munch, S.B., Cope, J.M., Gao, J., 2017. Predicting life history parameters for all fishes worldwide. Ecol Appl 27, 2262-2276.* [*https://doi.org/10.1002/eap.1606*](https://doi.org/10.1002/eap.1606)

*Thorson, J.T., 2020. Predicting recruitment density dependence and intrinsic growth rate for all fishes worldwide using a data‐integrated life‐history model. Fish & Fisheries 21, 237-251.* [*https://doi.org/10.1111/faf.12427*](https://doi.org/10.1111/faf.12427)

**Then\_nls, Then\_lm, Then\_VBGF**

*Then, A.Y., J.M. Honeig, N.G. Hall, D.A. Hewitt. 2015. Evaluating the predictive performance of empirical estimators of natural mortality rate using information on over 200 fish species. ICES Journal of Marine Science 72(1): 82-92.*

**Hamel\_Amax, Hamel\_k**

*Hamel, O.S., 2015. A method for calculating a meta-analytical prior for the natural mortality rate using multiple life history correlates. ICES Journal of Marine Science 72, 62-69.* <https://doi.org/10.1093/icesjms/fsu131>

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**Chen-Wat**

*Chen, S. and S. Watanabe. 1989. Age Dependence of Natural Mortality Coefficient in Fish Population Dynamics. Nippn Suisan Gakkaishi 55(2): 205-208.*

**ZM\_CA\_pel, ZM\_CA\_pel**

*Alverson, D. L. and M. J. Carney. 1975. A graphic review of the growth and decay of population cohorts. J. Cons. Int. Explor. Mer 36: 133-143.*

*Zhang, C.-I. and B A. Megrey. 2006. A revised Alverson and Carney model for estimating the instantaneous rate of natural mortality. Transactions of the American Fisheries Society 135: 620-633.*

**Jensen\_k1, Jensen\_k2, Jensen\_Amat**

*Jensen, A.L. 1996. Beverton and Holt life history invariants result from optimal trade-off of reproduction and survival. Can. J. Fish. Aquat. Sci. 53: 820-822.*

*Jensen, A.L. 1997. Origin of the relation between K and Linf and synthesis of relations among life history parameters. Can. J. Fish. Aquat. Sci. 54: 987-989.*

**Gislason**

*Gislason, H., N. Daan, J. C. Rice, and J. G. Pope. 2010. Size, growth, temperature and the natural mortality of marine fish. Fish and Fisheries 11: 149-158.*

**Charnov**

*Charnov, E.L., Gislason, H., Pope, J.G., 2013. Evolutionary assembly rules for fish life histories. Fish and Fisheries 14, 213-224.* [*https://doi.org/10.1111/j.1467-2979.2012.00467.x*](https://doi.org/10.1111/j.1467-2979.2012.00467.x)

**Pauly\_lt, Pauly\_wt**

*Pauly, D. 1980. On the interrelationships between natural mortality, growth parameters, and mean environmental temperature in 175 fish stocks. J. Cons. Int. Explor. Mer: 175-192.*

**Roff**

*Roff, D. A. 1984. The evolution of life history parameters in teleosts. Can. J. Fish. Aquat. Sci. 41: 989-1000.*

**Ri\_Ef\_Amat**

*Rikhter, V.A., Efanov, V.N., 1976. On one of the approaches to estimation of natural mortality of fish populations. ICNAF Res. Doc. 79/VI/8, 12.*

**McC&Gil**

*McCoy, M.W., Gillooly, J.F., 2008. Predicting natural mortality rates of plants and animals. Ecology Letters 11, 710-716.* [*https://doi.org/10.1111/j.1461-0248.2008.01190.x*](https://doi.org/10.1111/j.1461-0248.2008.01190.x)

**PnW**

*Peterson, I. and J. S. Wroblewski. 1984. Mortality rate of fishes in the pelagic ecosystem. Can. J. Fish. Aquat. Sci. 41: 1117-1120.*

**Lorenzen**

*Lorenzen, K. 1996. The relationship between body weight and natural mortality in juvenile and adult fish: a comparison of natural ecosystems and aquaculture. J. Fish. Biol. 49: 627-647.*

**GSI**

*Gunderson, D. R. and P. H. Dygert. 1988. Reproductive effort as a predictor of natural mortality rate. J. Cons. Int. Explor. Mer 44: 200-209.*

*Hamel, O.S. 2015. A method for calculating a meta-analytical prior for the natural mortality rate using multiple life history correlates. ICES Journal of Marine Science 72, 62-69.*