

Figure S1: Scatter plot of \log_{10} weight– \log_{10} length for arctic grayling, bigmouth buffalo, black bullhead, black crappie, blue sucker, bluegill, brook trout, and brown trout where we propose W' parameters. Red line represents average fish in Montana as predicted from a Bayesian linear regression.

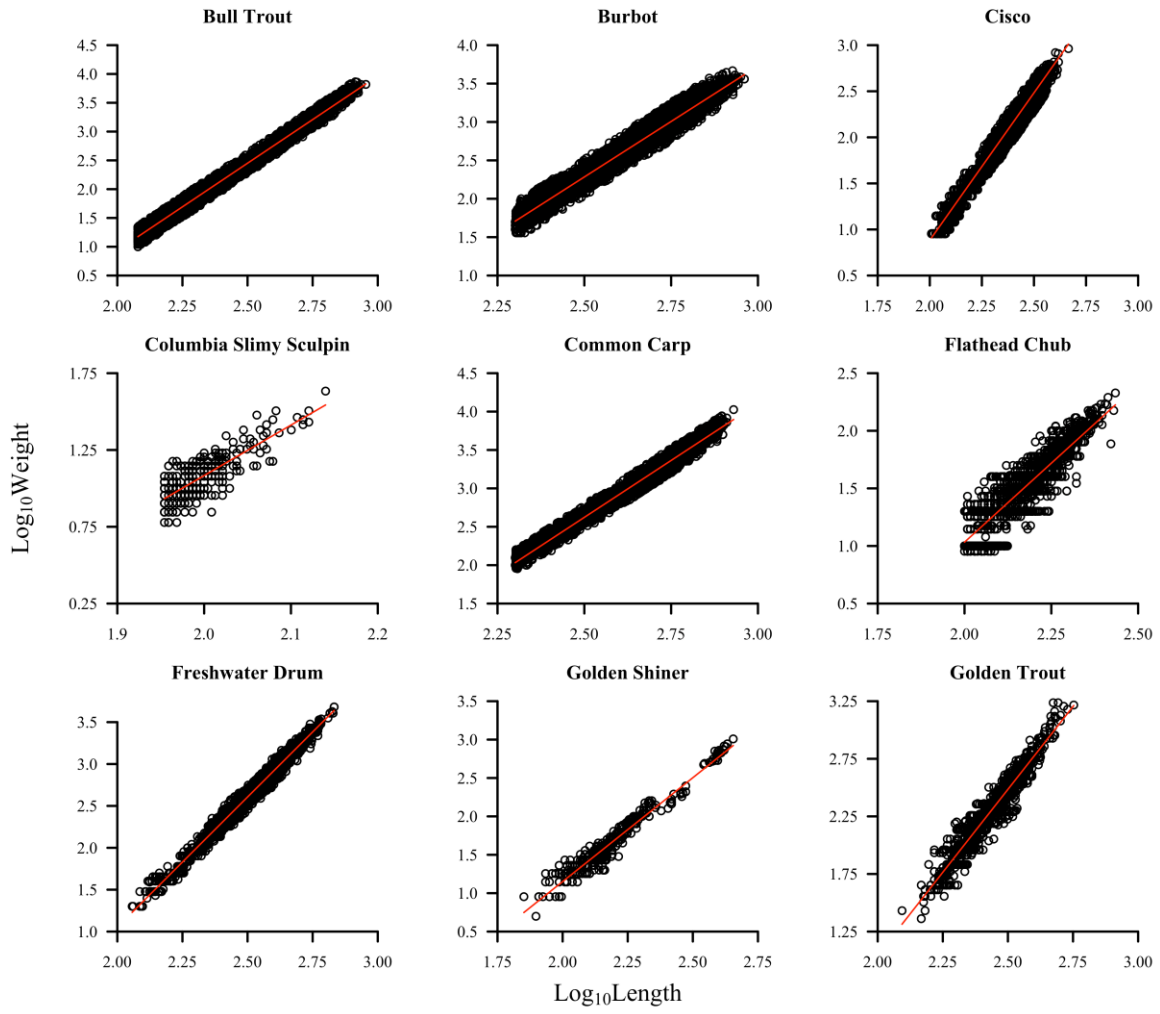


Figure S2: Scatter plot of \log_{10} weight– \log_{10} length for bull trout, burbot, cisco, Columbia slimy sculpin, common carp, flathead chub, freshwater drum, golden shiner, and golden trout where we propose W' parameters. Red line represents average fish in Montana as predicted from a Bayesian linear regression.

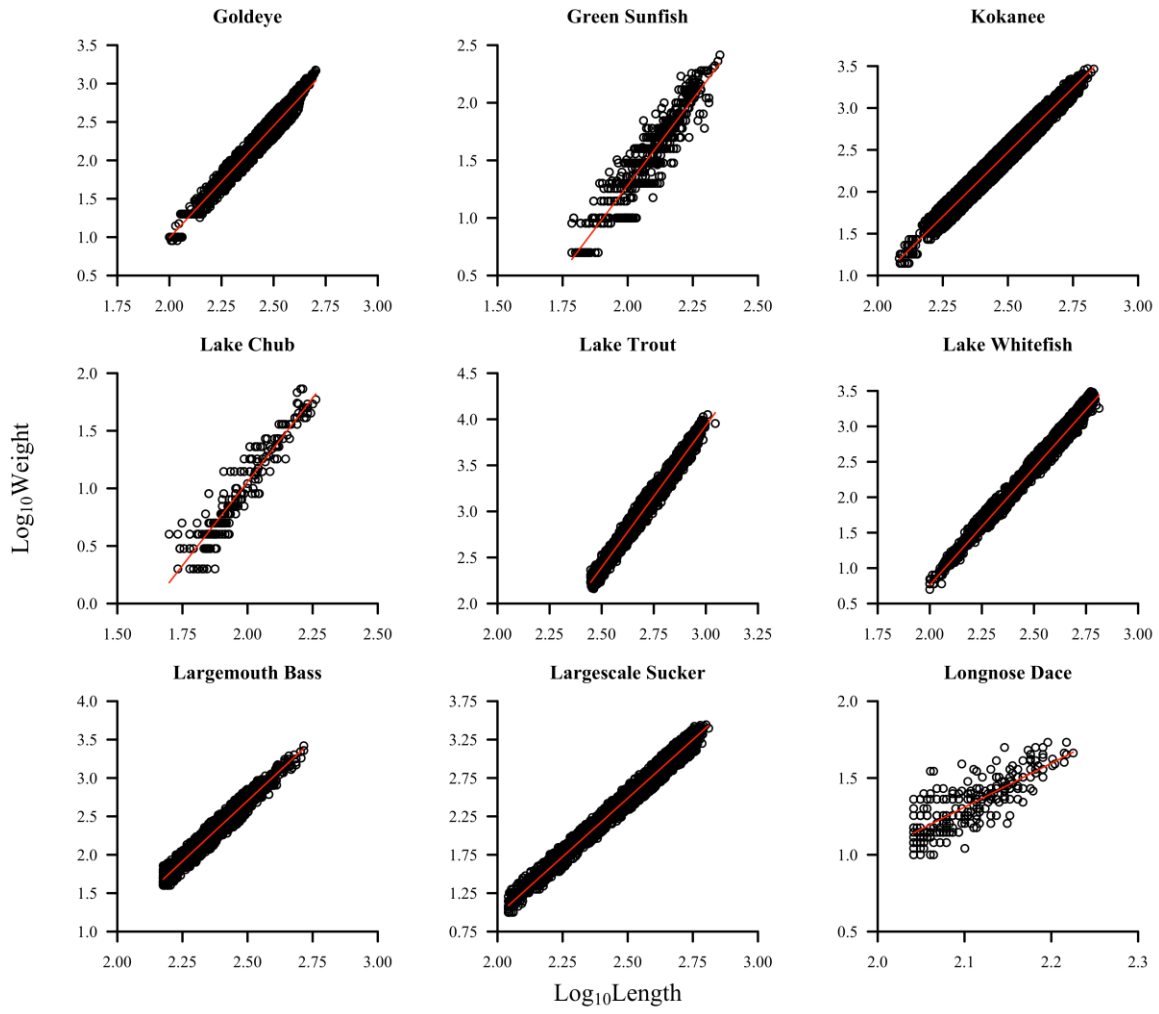


Figure S3: Scatter plot of \log_{10} weight– \log_{10} length for goldeye, green sunfish, kokanee, lake chub, lake trout, lake whitefish, largemouth bass, largemouth sucker, and longnose dace where we propose W' parameters. Red line represents average fish in Montana as predicted from a Bayesian linear regression.

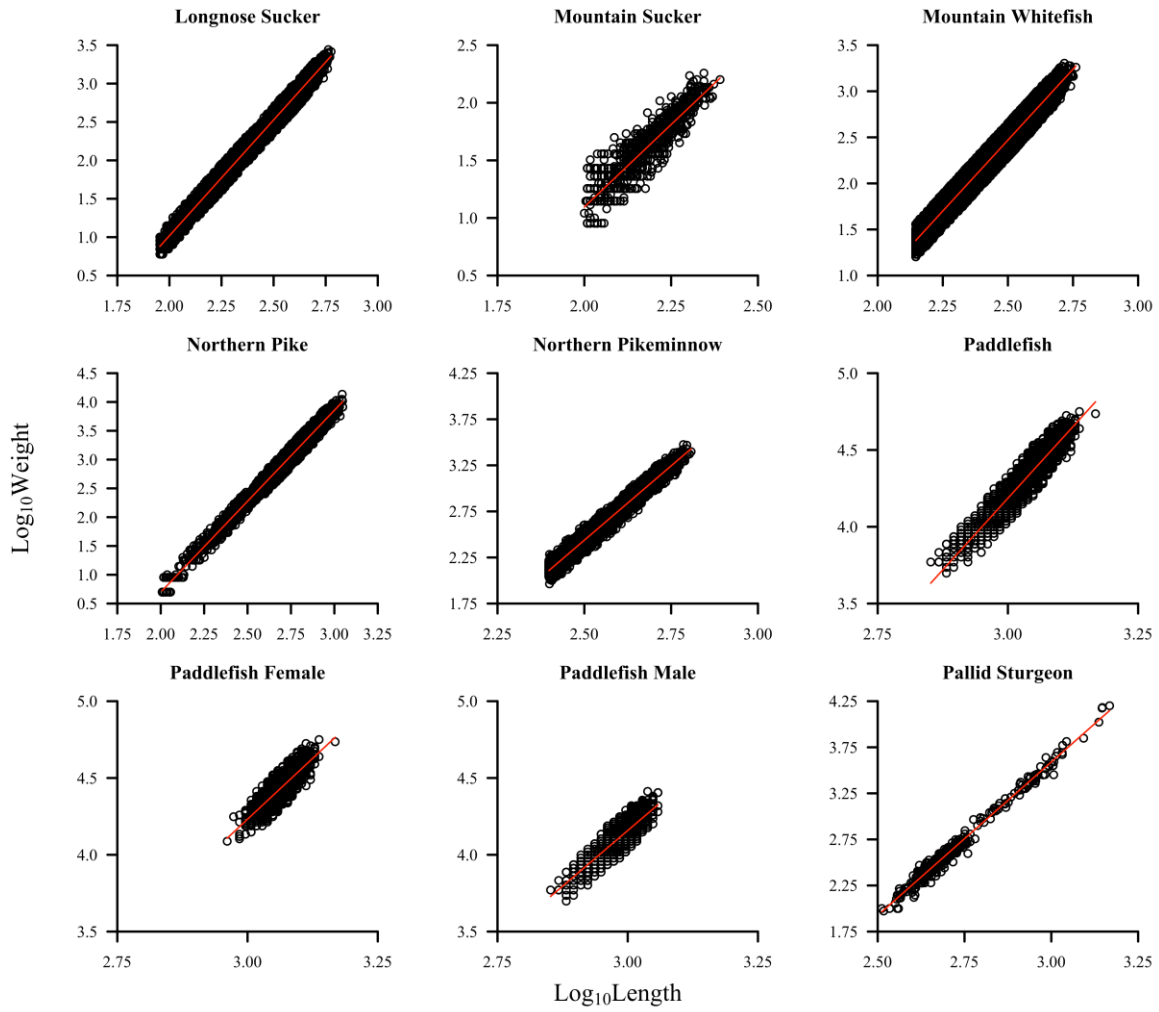


Figure S4: Scatter plot of \log_{10} weight– \log_{10} length for longnose sucker, mountain sucker, mountain whitefish, northern pike, northern pikeminnow, paddlefish, and pallid sturgeon where we propose W' parameters. Red line represents average fish in Montana as predicted from a Bayesian linear regression.

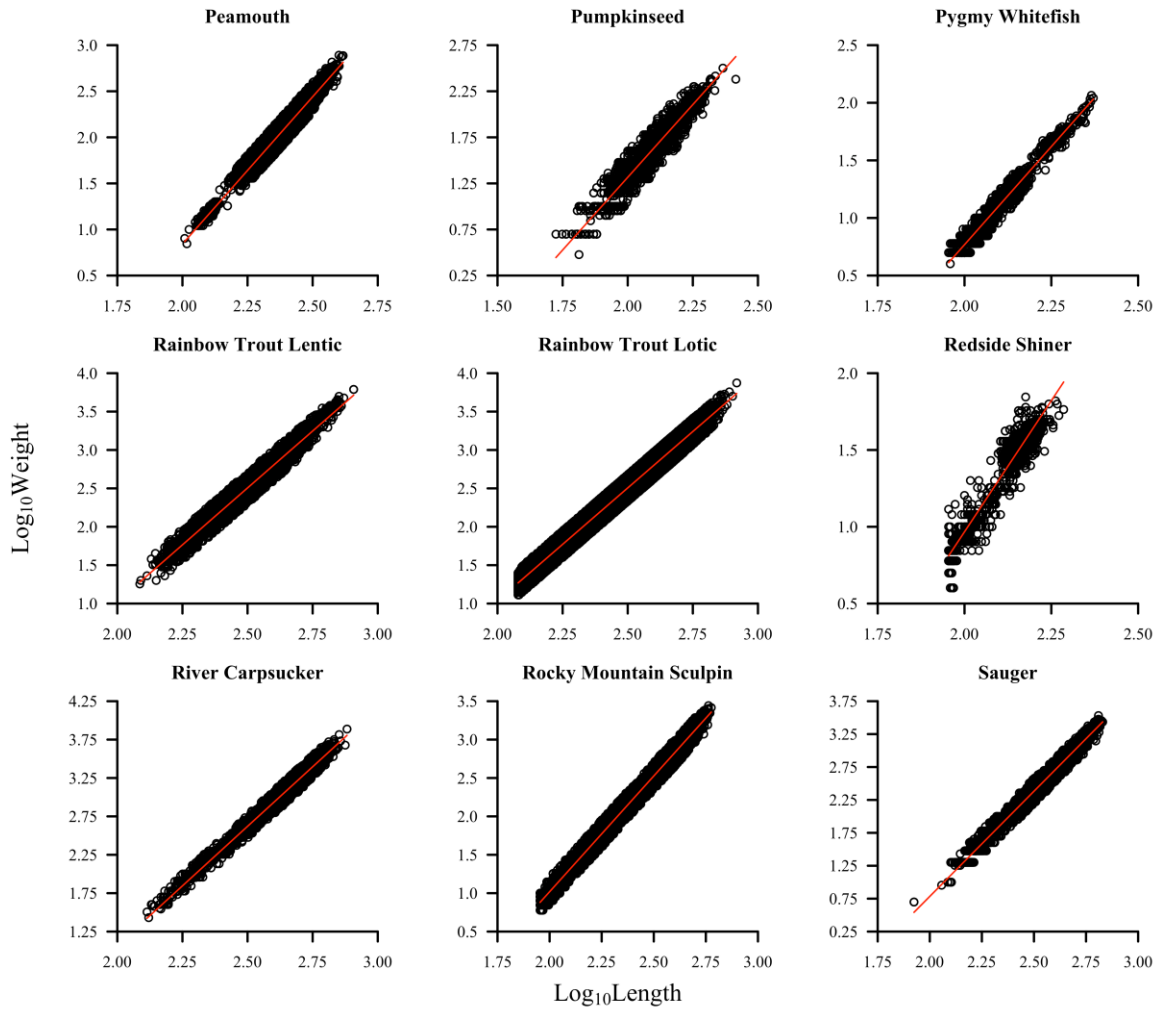


Figure S5: Scatter plot of \log_{10} weight– \log_{10} length for peamouth, pumpkinseed, pygmy whitefish, rainbow trout, redside shiner, river carpsucker, rocky mountain sculpin, and sauger where we propose W' parameters. Red line represents average fish in Montana as predicted from a Bayesian linear regression.

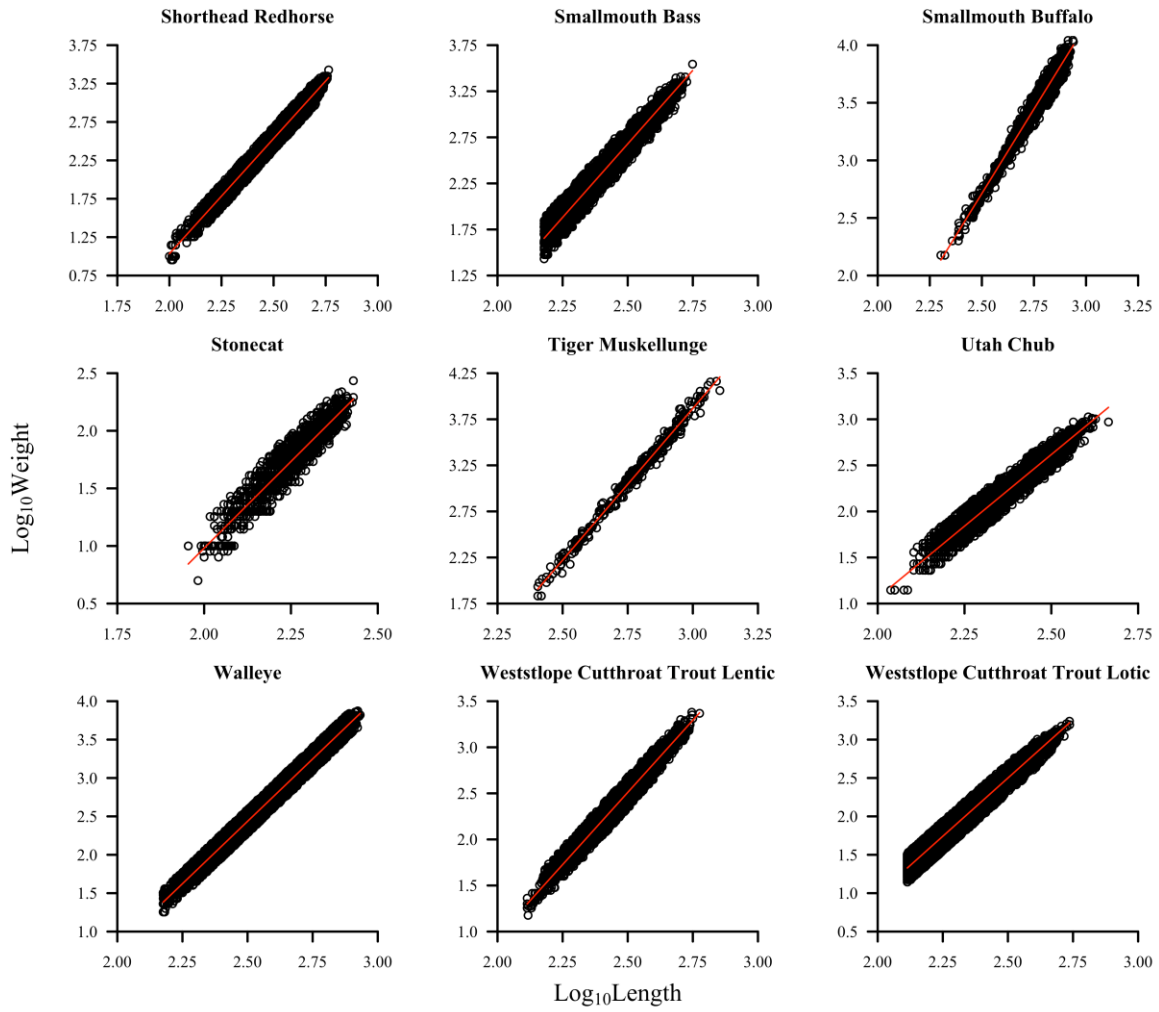


Figure S6: Scatter plot of \log_{10} weight– \log_{10} length for shorthead redhorse, smallmouth bass, smallmouth buffalo, stonecat, tiger muskellunge, Utah chub, walleye, and westslope cutthroat trout where we propose W' parameters. Red line represents average fish in Montana as predicted from a Bayesian linear regression.

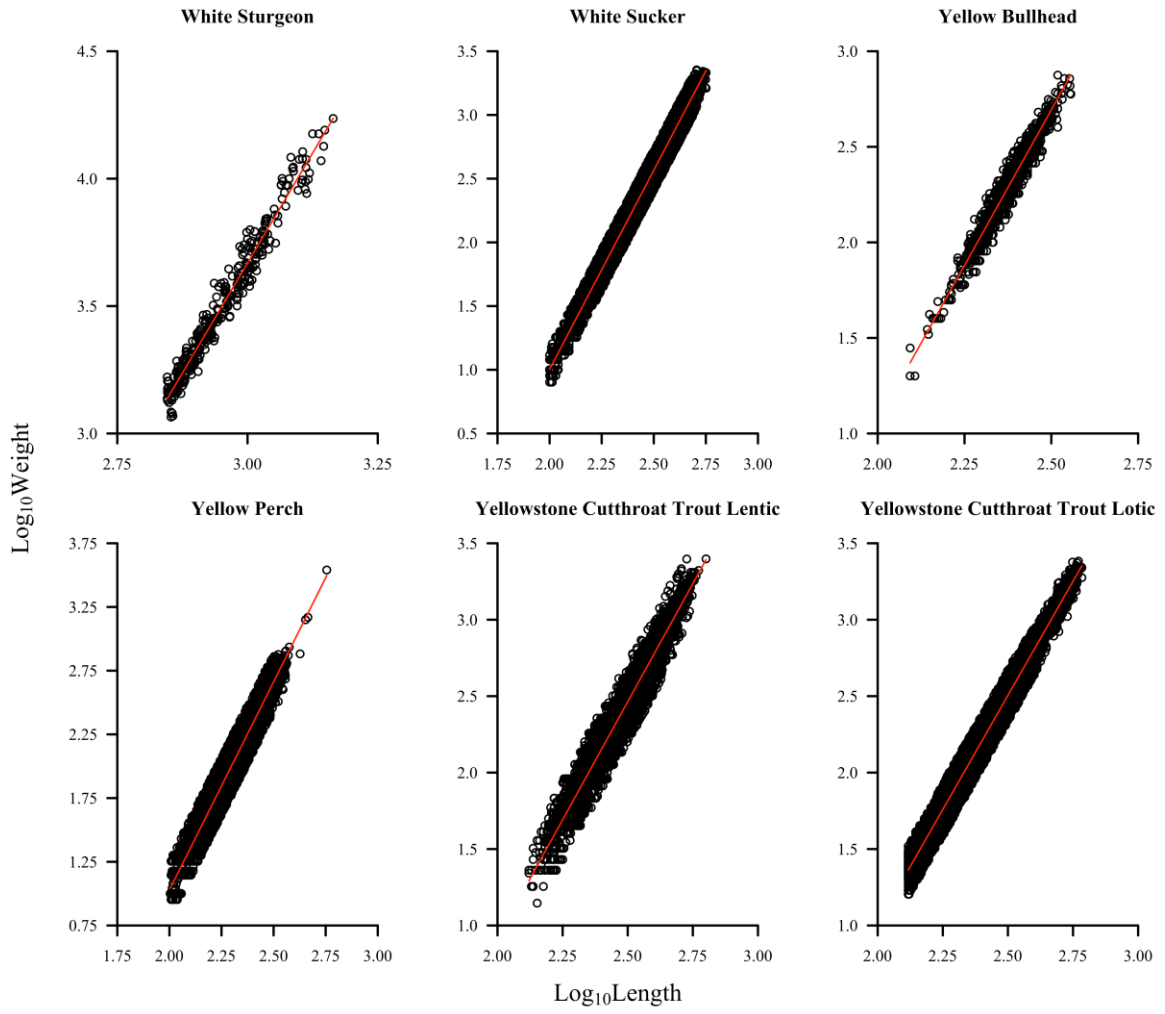


Figure S7: Scatter plot of \log_{10} weight– \log_{10} length for white sturgeon, white sucker, yellow bullhead, yellow perch, and Yellowstone cutthroat trout where we propose W' parameters. Red line represents average fish in Montana as predicted from a Bayesian linear regression.