

Table S2: Mysticete muscular Mb levels sourced from the literature

Species	Age class	Body Length (cm)	Source
Gray whale	Neonate	Unknown	From [6]; calf classified as a neonate. No additional details provided. Used in this study.
Gray whale	Neonate	Estimated: 289 cm	From [3]; calf classified as a neonate based on field notes, including body weight (900kg), location of stranding (San Diego, CA) and timing (1/11/84) Details provided by M. Castellini. Used in this study. Body length estimate based on [78]. Used in this study.
Humpback whale	Adult	Unknown	From [48]. No sample details available beyond classification as an adult. Appearance of tissue confirmed as typical for adult muscle tissue by S. Helbo. Used in this study.
Minke Whale	Adult	Unknown	From [48]. The authors report that the appearance of an unusual precipitate during the experimental procedure, therefore this estimate was not used in this study.