

**TABLE S2.** Selection of stable isotope laboratories that provide commercial analysis (costs based on 2015 rates).

Lab	Cost per Analysis	Instrument
Cornell Isotope Laboratory (COIL): <a href="http://www.cobsil.com">http://www.cobsil.com</a>	\$16 ( $\delta^{18}\text{O}$ or $\delta\text{D}$ )	High temperature elemental analyzer IRMS
Stable Isotope Ratio Facility for Environmental Research (SIRFER), University of Utah: <a href="http://sirfer.utah.edu">http://sirfer.utah.edu</a>	\$8.50 ( $\delta^{18}\text{O}$ and $\delta\text{D}$ , fresh waters)	Isotope ratio infrared spectrometer, CRDS
Stable Isotopes for Biosphere Science Lab (SIBS), Texas A&M University: <a href="http://sibs.tamu.edu">http://sibs.tamu.edu</a>	\$18 ( $\delta^{18}\text{O}$ and $\delta\text{D}$ )	High temperature elemental analyzer IRMS
SIU-Carbondale Mass Spectrometry Facility: <a href="http://www.mass-spec.siu.edu">http://www.mass-spec.siu.edu</a>	\$16 ( $\delta^{18}\text{O}$ )	Gas Bench-IRMS
Stable Isotope Lab, Boston University: <a href="http://www.bu.edu/sil">http://www.bu.edu/sil</a>	\$20 ( $\delta^{18}\text{O}$ and $\delta\text{D}$ )	IRMS
University of South Florida Stable Isotope Lab (USFIL): <a href="http://facilities.cas.usf.edu/StableIsotope">http://facilities.cas.usf.edu/StableIsotope</a>	\$14 ( $\delta^{18}\text{O}$ )	IRMS
Additional labs listed here: <a href="http://isogeochem.wikispaces.com/SIRMS+Labs">http://isogeochem.wikispaces.com/SIRMS+Labs</a>		