

Table 1: Sample locations, along with dive information, time frame, and *Osedax* species identities for specimens used in this study.

Whale	Dive no. ⁴	Date	Time frame (months)	<i>Osedax</i> species present
Davidson ^{1*} (3239m)	H1796	Oct 2019	8	n.sp
	H1825	Oct 2020	20	<i>lonnyi</i>
Monterey ² (1018m)	T916	Nov 2005	13	<i>roseus</i>
	T919	Nov 2005	13	<i>roseus</i>
	T931	Jan 2006	15	<i>roseus</i>
	T1049	Oct 2006	24	<i>packdorum</i>
	DR009	Mar 2009	52	<i>talkovici</i>
	DR095	Nov 2009	61	<i>talkovici</i>
	DR928	Feb 2017	148	<i>packdorum</i>
	DR966	July 2017	154	<i>packdorum</i>
	DR1029	May 2018	164	<i>packdorum/talkovici</i>
	DR1105	Dec 2018	171	<i>packdorum/talkovici</i>
	DR1112	Jan 2019	172	<i>packdorum/talkovici/randyi</i>
Monterey ^{3*} (2891m)	T769	Nov 2004	34 [†]	<i>frankpressi</i>
	T991	May 2006	51	<i>frankpressi</i>

¹ Natural whalefall discovered October 2019 (35.582°N/122.629°W)

² Artificial whalefall implanted October 2004 (36.772°N/122.083°W)

³ Natural whalefall discovered February 2002 (36.613°N/122.434°W)

⁴ H = ROV Hercules, T = ROV Tiburon, DR = ROV Doc Ricketts

[†] Used for metagenomics only

* Both natural whalefalls were estimated to have been on the seafloor at least 8 months, based on tissue condition, which was remarkably similar (compare Figure 1 to Goffredi et al. 2004 Figure 1; time frame = initial visit + 8 months)