

locality	sample	library prep method	PCR-amplified	read length (bp)	reads	symbiont-mapped reads	symbiont coverage	mitochondrial-mapped reads	mitochondrial coverage
Duxbury, MA (42°0'14.15"N, 70°40'43.79"W)	MA16qill	PrepX ILM	no	100	74,457,820	8,690,058	301	120,821	759
	MA18qill	PrepX ILM	no	100	52,276,330	5,746,928	204	62,540	395
	MA25qill	Kappa Hyper Prep	no	150	5,061,698	200,341	9	7,356	68
	MA27qill	Kappa Hyper Prep	no	150	1,759,230	102,611	5	2,755	26
	MA29qill	custom	no	150	1,930,672	171,303	9	2,914	27
	MA31qill	custom	no	150	2,686,844	276,656	14	5,282	49
	MA34qill	custom	no	150	3,025,056	276,917	14	4,559	42
	MA35qill	custom	no	150	2,349,062	98,469	4	2,021	19
MA36qill	custom	no	150	2,773,226	185,325	9	3,936	37	
Narragansett, RI (41°22'55.91"N, 71°30'1.10"W)	RI36qill	PrepX ILM	no	100	77,457,862	18,525,424	667	117,908	740
	RI36testis	Kappa Hyper Prep	no	150	1,985,024	0	0	364	4
	RI37qill	PrepX ILM	no	100	64,333,564	17,559,095	635	107,242	672
	RI38qill	PrepX ILM	no	100	72,890,886	22,523,992	817	131,762	827
	RI38testis	custom	no	150	2,750,418	0	0	426	4
	RI39qill	PrepX ILM	no	100	105,298,528	30,813,543	1,115	219,831	1,378
	RI41qill	custom	yes	150	1,752,884	140,040	7	4,174	39
	RI44qill	custom	no	150	8,921,458	2,207,509	118	21,428	199
	RI47qill	Kappa Hyper Prep	no	150	5,612,856	1,489,464	80	14,992	139
	RI48qill	custom	no	150	4,327,898	530,118	27	10,997	103
	RI50qill	custom	no	150	2,401,066	482,205	25	5,674	53
	RI51qill	custom	no	150	4,327,756	1,117,122	60	7,095	66
	RI53qill	PrepX ILM	no	100	45,780,752	11,759,954	430	77,125	486
	RI55qill	custom	no	150	4,889,588	555,896	28	10,994	103
	RI56qill	custom	no	150	4,577,454	653,306	34	9,227	86
	RI57qill	custom	yes	150	1,853,644	280,929	15	4,210	39
	RI58qill	custom	no	150	2,727,002	265,366	13	5,783	54
	RI59qill	custom	yes	150	3,249,572	297,005	15	5,630	52
RI60qill	custom	yes	150	2,374,786	218,247	11	8,118	76	
RI61qill	Kappa Hyper Prep	no	150	4,512,602	1,258,670	67	8,904	82	
RI62qill	custom	yes	150	3,690,768	1,083,510	58	10,317	96	
RI63qill	custom	no	150	3,871,920	480,379	25	7,790	73	
Shark River Island, NJ (40°11'9.60"N, 74° 1'48.00"W)	NJ2qill	PrepX ILM	no	100	67,458,582	13,068,989	487	173,116	1,092
	NJ3qill	PrepX ILM	no	100	57,481,410	13,561,673	510	142,201	898
	NJ4qill	Kappa Hyper Prep	no	150	4,398,148	1,465,200	81	8,896	83
	NJ6qill	PrepX ILM	no	150	7,527,872	1,821,748	100	15,071	139
	NJ9qill	Kappa Hyper Prep	no	150	3,578,472	954,394	52	6,532	61
	NJ12qill	custom	no	150	1,454,916	464,608	26	4,217	39
	NJ16qill	custom	no	150	3,161,034	855,982	47	5,745	54
	MD4qill	custom	no	150	2,451,076	365,773	19	6,237	58
MD7qill	PrepX ILM	no	100	57,437,004	12,995,206	479	184,822	1,167	
MD8qill	PrepX ILM	no	100	44,961,838	11,427,510	423	160,688	1,013	
MD11qill	custom	no	150	2,548,756	762,417	41	5,281	49	
MD13qill	custom	no	150	6,338,996	1,384,483	75	20,501	191	
MD16qill	custom	no	150	2,826,318	981,656	54	8,688	81	
MD24qill	custom	no	150	2,939,968	673,889	36	9,764	91	
MD25qill	custom	no	150	1,525,038	379,632	20	3,569	33	
MD27qill	Kappa Hyper Prep	no	150	5,872,178	1,148,384	61	15,259	142	
MD28qill	custom	no	150	3,949,462	1,177,065	63	15,948	148	
Pivers Island, NC (34°42'59.23"N, 76°40'26.33"W)	NC1qill	PrepX ILM	no	100	84,241,330	14,967,844	532	191,876	1,211
	NC2qill	PrepX ILM	no	100	95,515,110	19,271,392	710	257,014	1,621
	NC4qill	custom	no	150	5,048,644	797,587	42	14,474	132
	NC5qill	custom	no	150	3,972,620	610,639	33	5,831	55
	NC8qill	custom	no	150	4,211,310	809,109	44	9,792	92
	NC9qill	Kappa Hyper Prep	no	150	6,460,028	1,336,389	72	15,031	140
	NC10qill	Kappa Hyper Prep	no	150	4,484,986	1,017,493	55	7,525	70
	NC12qill	Kappa Hyper Prep	no	150	124,697,640	20,221,843	1,081	197,899	1,837
	NC13qill	custom	no	150	1,922,560	477,939	26	4,617	43
	NC14qill	Kappa Hyper Prep	no	150	6,035,120	881,132	47	10,108	94
	NC15qill	custom	yes	150	2,688,292	701,573	38	7,958	74
	NC16qill	custom	no	150	5,029,430	985,875	53	8,156	76
NC17qill	custom	no	150	3,399,518	843,827	45	4,832	45	
NC18qill	custom	no	150	4,986,792	1,138,027	62	13,012	122	
NC22qill	Kappa Hyper Prep	no	150	2,059,812	513,875	27	3,164	29	
Queensland, Australia (27°28' 46.9986"S, 153°24' 6.9978"E) El Arraiche field, Gulf of Cadiz, Spain (35°25'18.00"N, 6°43'58.20"W)	<i>Solemya velesiana</i>	Kappa Hyper Prep	yes	150	111,799,278	15,177,425/67,692,780	3,820	79,350/90,442	823
sewage outfall Santa Monica, CA	<i>Solemya elarraichensis</i> <i>Solemya pervernicosa</i>	Kappa Hyper Prep	yes	150	11,037,914	185,286/254,003	19	35,372/93,830	733
						average <i>S. velum</i> symbiont coverage	163	average <i>S. velum</i> mitochondrial coverage	282
						median <i>S. velum</i> symbiont coverage	47	median <i>S. velum</i> mitochondrial coverage	82
						average <i>outgroup</i> symbiont coverage	1,323	average <i>outgroup</i> mitochondrial coverage	651
						median <i>outgroup</i> symbiont coverage	130	median <i>outgroup</i> mitochondrial coverage	733