Table S2.) Reciprocal best blast recruitment of SAR202 single amplified genomes against reads from two metagenomic depth profiles. Note the highest levels of recruitment are from the deepest samples, indicating that these cells likely interact with chemical species found in most remote depths of the ocean.

			Recruitment (Total Reads Recruited / Percent of Reads Recruited / Average Percent Identity)																	
Cell Origin:			Hawaii Ocean Time Series						South Atlantic Gyre						North Atlantic/OMZ			-		
Site	Depth (m)	Total Reads	AAA240-O15			AAA240-N13			AAA001-F05			AAA007-M09			AB-629-P13			All		
MOCA	100	404,351	14	0.00%	88%	9	0.00%	87%	6	0.00%	82%	8	0.00%	80%	14	0.00%	94%	51	0.01%	86%
	776	555,373	1,202	0.22%	94%	1,109	0.20%	94%	626	0.11%	93%	476	0.09%	92%	77	0.01%	97%	3,490	0.63%	94%
	2750	579,381	1,381	0.24%	89%	1,304	0.23%	89%	2,263	0.39%	90%	1,747	0.30%	89%	33	0.01%	94%	6,728	1.16%	90%
	5000	495,906	2,862	0.58%	93%	2,616	0.53%	93%	2,461	0.50%	93%	1,872	0.38%	93%	72	0.01%	92%	9,883	1.99%	93%
Total	-	2,035,011	5,459	0.26%	91%	5,038	0.24%	91%	5,356	0.25%	90%	4,103	0.19%	89%	196	0.01%	94%	20,152	0.95%	91%
HOT	10	7,842	4	0.05%	86%	3	0.04%	82%	6	0.08%	83%	1	0.01%	78%	0	0.00%	-	14	0.18%	82%
	25	1,150,263	0	0.00%	-	0	0.00%	-	0	0.00%	-	0	0.00%	-	4	0.00%	91%	4	0.00%	91%
	70	10,999	0	0.00%	-	0	0.00%	-	0	0.00%	-	0	0.00%	-	0	0.00%	-	0	0.00%	-
	75	1,237,622	1	0.00%	83%	5	0.00%	91%	0	0.00%	-	0	0.00%	-	5	0.00%	87%	11	0.00%	87%
	110	473,166	0	0.00%	-	0	0.00%	-	0	0.00%	-	0	0.00%	-	6	0.00%	88%	6	0.00%	88%
	125	501,198	2	0.00%	87%	0	0.00%	-	0	0.00%	-	0	0.00%	-	10	0.00%	92%	12	0.00%	89%
	130	6,812	0	0.00%	-	0	0.00%	-	0	0.00%	-	0	0.00%	-	1	0.01%	94%	1	0.01%	94%
	200	8,286	11	0.13%	84%	9	0.11%	84%	10	0.12%	83%	4	0.05%	81%	0	0.00%	-	34	0.41%	83%
	500	1,537,785	4,654	0.30%	94%	4,450	0.29%	94%	1,349	0.09%	91%	1,059	0.07%	90%	127	0.01%	91%	11,639	0.76%	92%
	770	11,479	37	0.32%	92%	51	0.44%	91%	33	0.29%	92%	23	0.20%	90%	1	0.01%	87%	145	1.26%	90%
	4000	11,229	96	0.85%	86%	94	0.84%	87%	132	1.18%	87%	104	0.93%	88%	1	0.01%	100%	427	3.80%	90%
Total	-	4,956,681	4,805	0.15%	87%	4,612	0.16%	88%	1,530	0.16%	87%	1,191	0.11%	85%	115	0.00%	91%	12,293	0.58%	86%