

Number of identified reads according to taxonomic affiliation					Weld	Bottom	Leak	Blank
Total Bacteria					17694	102810	20084	6562
	<i>Proteobacteria</i>	<i>Deltaproteobacteria</i>	<i>Desulfovibrionales</i>	<i>Desulfovibrio</i> sp. Other <i>Desulfovibrio</i> sp.	14578 138	71394 142	9159 880	- -
			<i>Desulfuromonadales</i>	<i>Desulfonauticus</i> sp.	6	-	528	-
			<i>Desulfobacteriales</i>	<i>Pelobacter</i> sp. <i>Desulfobacteraceae</i>	1336 8	8844 71	2466 530	- -
		<i>Gammaproteobacteria</i>	<i>Oceanospirillales</i>	<i>Oceanospirillaceae</i>	4	36	1233	-
			<i>Alteromonadales</i>	<i>Marinobacter</i> sp.	5	71	705	-
			<i>Pseudomonadales</i>	<i>Pseudomonas</i> sp.	130	13837	1056	-
			<i>Xanthomonadales</i>	<i>Xanthomonas</i> sp.	2	-	-	185
			<i>Enterobacteriales</i>	<i>Enterobacteriaceae</i>	-	-	-	145
		<i>Alphaproteobacteria</i>	<i>Rhodospirillales</i>	<i>Rhodospirillaceae</i>	526	2211	180	-
			<i>Rhizobiales</i>	<i>Phyllobacterium</i> sp.	-	-	-	154
		<i>Betaproteobacteria</i>	<i>Burkholderiales</i>		66	178	1408	6039
	<i>Firmicutes</i>	<i>Clostridia</i>	<i>Clostridiales</i>	<i>Acetobacterium</i> sp. <i>Syntrophomonas</i> sp..	80 75	2710 499	704 355	- -
	<i>Thermotogales</i>	<i>Thermotogae</i>	<i>Thermotogales</i>	<i>Geotoga</i> sp.	491	1248	352	-
	<i>Unidentified</i>				249	1569	528	39
Total Archaea					57740	54116	23485	NA
	<i>Euryarchaeota</i>	<i>Methanomicrobia</i>	<i>Methanobacteriales</i>	<i>Methanobacterium</i> sp. <i>Methanosphaera</i>	36211 8	37822 3	7865 -	- -
			<i>Methanococcales</i>	<i>Methanococcus</i> sp.	534	308	1	-
			<i>Methanomicrobiales</i>	<i>Methanoplanus</i> sp. Other	- 354	2 104	- 6	- -
			<i>Methanosarcinales</i>	<i>Methanosaeata</i> sp. <i>Methanolobus</i> sp. <i>Methanomethylovorans</i> sp.	74 9680 -	137 10000 2	- 84 -	- - -
				<i>Methanosarcina</i> sp. ANME-3 Other	2456 4 1	976 5 15	6393 - -	- - -
	<i>Unidentified</i>	<i>Thermoplasmata</i>	<i>Methanomassiliicoccales</i>		3958 4456	1416 3326	7482 1654	- -
Total dsrAB					364739	25327	6226	NA
	<i>Proteobacteria</i>	<i>Deltaproteobacteria</i>	<i>Desulfovibrionales</i>	<i>Desulfovibrio desulfuricans</i> sp. Other <i>Desulfovibrio</i> sp.	251035 113704	17566 7761	2067 4159	- -
Total mcrA					38409	35969	NA	NA
	<i>Euryarchaeota</i>	<i>Methanomicrobia</i>	<i>Methanomicrobiales</i>	<i>Methanoplanus</i> sp. Other <i>Methanomicrobiales</i>	- 20	41 40	- -	- -
			<i>Methanosarcinales</i>	<i>Methanosaeata</i> sp. <i>Methanolobus</i> sp. <i>Methanosarcina</i> sp.	- 24266 13282	22 30710 4820	- - -	- - -
				Other <i>Methanosarcinales</i>	700	256	-	-
		<i>Thermoplasmata</i>	<i>Methanomassiliicoccales</i>		141	80	-	-