

Arsenite oxidase large subunit

	1	2	3	4	5	6	7	8	9	10	11
1: Halorubrum sp. AJ67		95	93	87	85	69	69	67	33	28	33
2: Halorubrum kocurii	91		95	86	84	69	69	68	33	28	32
3: Halorubrum tebenquichense	91	91		87	85	69	69	67	34	29	32
4: Halobiforma lacisalsi	85	83	84		82	69	69	66	33	28	31
5: Halorubrum sp. BC156	84	82	84	82		67	68	66	33	27	33
6: Halorubrum sp. AD156	73	71	71	72	71		100	95	34	29	33
7: Diamante mg Contig1	73	71	72	72	71	100		95	34	29	33
8: Diamante mg Contig2	74	72	72	72	70	93	94		32	28	32
9: Pseuvibrio sp. JE062	49	50	49	49	49	50	50	49		28	31
10: Pyrobaculum calidifontis	40	40	40	41	40	41	40	38	36		42
11: Chloroflexus aurantiacus	47	47	47	47	47	46	46	47	43	48	

Respiratory arsenate reductase

	1	2	3	4	5	6	7	8	9
1: Natronobacterium gregoryi		90	69	70	70	56	51	55	30
2: Halobiforma nitratireducens	88		71	72	72	55	50	55	30
3: Halorubrum sp. AD156	74	76		60	97	52	49	52	28
4: Diamante mg Contig3	74	75	70		66	53	47	52	32
5: Diamante mg Contig4	74	76	94	71		55	52	53	29
6: Natranaerobius thermophilus	54	53	51	53	53		56	63	32
7: Alkaliphilus metalliredigens	53	52	51	51	52	64		56	31
8: Halarsenatibacter silvermanii	57	58	56	56	58	63	60		33
9: Alkalilimnicola ehrlichii (ArxA)	50	51	51	50	51	41	41	45	

Protein

DNA