

TABLE 3. Archaeal species, selected features, and genome copy numbers in exponential and stationary growth phases

Species	Growth temp (°C)	Doubling time (h)	Genome copy no.		Ploidy	Source or reference
			Exponential phase	Stationary phase		
<b>Euryarchaeota</b>						
<i>Halobacterium cutirubrum</i>		6.7	10.6		Polyploid	6
<i>Halobacterium cutirubrum</i>		13.3	6.3		Polyploid	6
<i>Halobacterium salinarum</i>	42	4	25	1	Polyploid	5
<i>Halobacterium salinarum</i>	30	8	25	15	Polyploid	5
<i>Halobacterium salinarum</i> (anaerobic)	42	8	25	15	Polyploid	5
<i>Haloferax volcanii</i>	42	4	17	10	Polyploid	5
<i>Methanocaldococcus jannaschii</i>	85	0.5	10–15	1–5	Polyploid	25
<i>Methanococcus maripaludis</i>	37	2	55	30	Polyploid	This study
<i>Methanosarcina acetivorans</i>	37	6	18	16	Polyploid	This study
<i>Methanosarcina acetivorans</i>	37	49	3	5	Oligoploid	This study
<i>Methanothermobacter thermoautotrophicus</i>	65		2 <sup>a</sup>	1–2 <sup>a</sup>	Diploid	24
<b>Crenarchaeota</b>						
<i>Acidianus hospitalis</i>	80		1–2	2	Monoploid	22
<i>Aeropyrum pernix</i>	95	3.3	1–2	1	Monoploid	22
<i>Pyrobaculum aerophilum</i>	100		1–2	2	Monoploid	22
<i>Pyrobaculum calidifontis</i>	90	3.4	1–2	2	Monoploid	22
<i>Sulfolobus acidocaldarius</i>	79	3.5	1–2	2	Monoploid	3
<i>Sulfolobus tokodai</i>	80	8	1–2	2	Monoploid	22
<i>Sulfolobus solfataricus</i>	79	7	1–2	2	Monoploid	3

<sup>a</sup> The cells grow in filaments; the numbers given are thus genome copies per cell, not per filament.

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