	0.1.,0.0	220,200	01.070	7,337	2.1%	0	0.0%		
					4.2%	0	0.0%		
ĕ		32,703	9.5%	14,594	23.9%	0	0.0%		
ΙĒ				82,287				0.770	2.8%
ĕ		32,703	9.5%	26,016	7.6%	26,016	7.6%	9,773	2.0%
9				810	0.2%	6,687	1.9%		
0				1,197	0.4%	0	0.0%		
Ħ				4,680	1.4%	0	0.0%		
ځ∣		87,653	25.4%	36,779	10.7%	36,779	10.7%	47,919	13.9%
124 Prokaryotic Genomes				3,057	0.9%	3,057	0.9%		
<u>ō</u>				10,382	3.0%	47,817	13.9%		
<u>a</u>				37,435	10.9%	0	0.0%		
2		967	0.3%	134	0.0%	134	0.0%	702	0.2%
÷				29	0.0%	29	0.0%		
				102	0.0%	102	0.0%		
				702	0.2%	702	0.2%		
	687	410	59.7%	231	33.6%	410	59.7%	520	75.7%
	007	410	33.1 /0	24	3.5%	0	0.0%	320	1 3.1 /6
				30	4.4%	0	0.0%		
Mycoplasma pneumoniae									
		407	45.00/	125	18.2%	0	0.0%		0.00/
		107	15.6%	58	8.4%	58	8.4%	59	8.6%
				20	2.9%	49	7.1%		
				3	0.4%	0	0.0%		
				26	3.8%	0	0.0%		
		170	24.8%	52	7.6%	52	7.6%	108	15.7%
				10	1.5%	10	1.5%		
				39	5.7%	108	15.7%		
				69	10.0%	0	0.0%		
		0	0.0%	0	0.0%	0	0.0%	0	0.0%
				0	0.0%	0	0.0%		
				0	0.0%	0	0.0%		
				0	0.0%	0	0.0%		
	4.005	0.440	70.50/						00.00/
	4,305	3,119	72.5%	2,054	47.7%	3,119	72.5%	3,907	90.8%
				94	2.2%	0	0.0%		
					. =0.				
				203	4.7%	0	0.0%		
7				768	17.8%	0	0.0%		
K12		355	8.3%	768 299	17.8% 7.0%	0 299	0.0% 7.0%	94	2.2%
li K12		355	8.3%	768 299 5	17.8% 7.0% 0.1%	0 299 56	0.0% 7.0% 1.3%	94	2.2%
coli K12		355	8.3%	768 299 5 12	17.8% 7.0% 0.1% 0.3%	0 299 56 0	0.0% 7.0%	94	2.2%
ia coli K12		355	8.3%	768 299 5	17.8% 7.0% 0.1%	0 299 56	0.0% 7.0% 1.3%	94	2.2%
chia coli K12		355 815	8.3%	768 299 5 12	17.8% 7.0% 0.1% 0.3%	0 299 56 0	0.0% 7.0% 1.3% 0.0%	94	2.2%
richia coli K12				768 299 5 12 39	17.8% 7.0% 0.1% 0.3% 0.9%	0 299 56 0 0 486 37	0.0% 7.0% 1.3% 0.0% 0.0%		
herichia coli K12				768 299 5 12 39 486	17.8% 7.0% 0.1% 0.3% 0.9% 11.3%	0 299 56 0 0 486	0.0% 7.0% 1.3% 0.0% 0.0% 11.3%		
scherichia coli K12				768 299 5 12 39 486 37	17.8% 7.0% 0.1% 0.3% 0.9% 11.3% 0.9%	0 299 56 0 0 486 37	0.0% 7.0% 1.3% 0.0% 0.0% 11.3% 0.9%		
Escherichia coli K12				768 299 5 12 39 486 37 94	17.8% 7.0% 0.1% 0.3% 0.9% 11.3% 0.9% 2.2%	0 299 56 0 0 486 37 292	0.0% 7.0% 1.3% 0.0% 0.0% 11.3% 0.9% 6.8%		
Escherichia coli K12		815	18.9%	768 299 5 12 39 486 37 94 198	17.8% 7.0% 0.1% 0.3% 0.9% 11.3% 0.9% 2.2% 4.6% 0.1%	0 299 56 0 0 486 37 292 0	0.0% 7.0% 1.3% 0.0% 0.0% 11.3% 0.9% 6.8% 0.0%	293	6.8%
Escherichia coli K12		815	18.9%	768 299 5 12 39 486 37 94	17.8% 7.0% 0.1% 0.3% 0.9% 11.3% 0.9% 2.2% 4.6% 0.1% 0.0%	0 299 56 0 0 486 37 292	0.0% 7.0% 1.3% 0.0% 0.0% 11.3% 0.9% 6.8% 0.0% 0.1%	293	6.8%
Escherichia coli K12		815	18.9%	768 299 5 12 39 486 37 94 198 3	17.8% 7.0% 0.1% 0.3% 0.9% 11.3% 0.99% 2.2% 4.6% 0.1% 0.0% 0.0%	0 299 56 0 0 486 37 292 0 3 1	0.0% 7.0% 1.3% 0.0% 0.0% 11.3% 0.9% 6.8% 0.0% 0.1% 0.0%	293	6.8%
Escherichia coli K12	2.206	815	18.9%	768 299 5 12 39 486 37 94 198 3 1	17.8% 7.0% 0.1% 0.3% 0.9% 11.3% 0.9% 2.2% 4.6% 0.1% 0.0% 0.0% 0.3%	0 299 56 0 0 486 37 292 0 3 1 1	0.0% 7.0% 1.3% 0.0% 0.0% 11.3% 0.9% 6.8% 0.0% 0.1% 0.0% 0.0%	293	6.8%
Escherichia coli K12	2,396	815	18.9%	768 299 5 12 39 486 37 94 198 3 1 1 1 11	17.8% 7.0% 0.1% 0.3% 0.9% 11.3% 0.99% 2.2% 4.6% 0.1% 0.0% 0.3% 32.1%	0 299 56 0 0 486 37 292 0 3 1 1 11	0.0% 7.0% 1.3% 0.0% 0.0% 11.3% 0.9% 6.8% 0.0% 0.1% 0.0% 0.3%	293	6.8%
Escherichia coli K12	2,396	815	18.9%	768 299 5 12 39 486 37 94 198 3 1 1 1 1 1768	17.8% 7.0% 0.1% 0.3% 0.9% 11.3% 0.9% 2.2% 4.6% 0.1% 0.0% 0.0% 0.3% 32.1% 3.8%	0 299 56 0 0 486 37 292 0 3 1 1 11 1,401	0.0% 7.0% 1.3% 0.0% 0.0% 11.3% 0.9% 6.8% 0.0% 0.11% 0.0% 0.3% 58.5% 0.0%	293	6.8%
	2,396	815	18.9%	768 299 5 12 39 486 37 94 198 3 1 1 11 768 92	17.8% 7.0% 0.1% 0.3% 0.9% 11.3% 0.99% 2.2% 4.6% 0.1% 0.0% 0.3% 4.3%	0 299 56 0 0 486 37 292 0 3 1 1 11 1,401 0	0.0% 7.0% 1.3% 0.0% 11.3% 0.9% 6.8% 0.1% 0.0% 0.1% 0.0% 0.3% 0.3%	293	6.8%
	2,396	815 16	0.4%	768 299 5 12 39 486 37 94 198 3 1 1 11 768 92 102 439	17.8% 7.0% 0.1% 0.3% 0.9% 11.3% 0.99% 4.6% 0.1% 0.09% 0.0% 0.3% 32.1% 3.8%	0 299 56 0 0 486 37 292 0 3 1 1 11 11 0 0	0.0% 7.0% 1.3% 0.0% 0.0% 0.0% 0.1% 0.9% 0.1% 0.0% 0.1% 0.0% 0.3% 58.5% 0.0% 0.0% 0.0%	293 11 1,957	0.3%
	2,396	815	18.9%	768 299 5 12 39 486 37 94 198 3 1 1 1768 92 102 439 292	17.8% 7.0% 0.1% 0.3% 0.9% 11.3% 0.9% 11.3% 0.9% 4.6% 0.1% 0.0% 0.3% 32.1% 3.8% 4.3% 18.3%	0 299 56 0 0 486 37 292 0 3 1 1 1 1,401 0 0	0.0% 7.0% 1.3% 0.0% 0.0% 1.33% 0.9% 0.1% 0.0% 0.1% 0.0% 0.3% 58.5% 0.0% 0.0% 0.0% 1.2.2%	293	6.8%
	2,396	815 16	0.4%	768 299 5 12 39 486 37 94 198 3 1 1 11 768 92 102 439 292	17.8% 7.0% 0.1% 0.3% 0.9% 11.3% 0.99% 2.2% 4.6% 0.19% 0.0% 0.0% 4.3% 13.3% 4.3% 12.2% 12.5%	0 299 56 0 0 486 37 292 0 3 1 1 1 1,401 0 0 0 292 67	0.0% 7.0% 1.3% 0.0% 0.0% 0.9% 6.8% 0.0% 0.1% 6.8% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0	293 11 1,957	0.3%
	2,396	815 16	0.4%	768 299 5 12 39 486 37 94 198 3 1 1 11 768 92 102 439 292 11 18	17.8% 7.0% 0.1% 0.3% 0.9% 11.3% 0.99% 2.2% 4.6% 0.0% 0.0% 0.3% 32.1% 3.8% 18.3% 12.2% 0.5% 0.8%	0 299 56 0 0 486 37 292 0 3 1 1 1 11 1,401 0 0 0 292 67	0.0% 7.0% 1.3% 0.0% 0.0% 0.0% 1.1.3% 0.9% 6.8% 0.0% 0.1% 0.0% 0.0% 0.3% 58.5% 0.0% 0.0% 0.0% 0.0% 0.0%	293 11 1,957	0.3%
	2,396	16 1,401 359	18.9% 0.4% 58.5%	768 299 5 12 39 486 37 94 198 3 1 1 17 68 92 102 439 292 11 18 38	17.8% 7.0% 0.1% 0.3% 0.9% 11.3% 0.99% 2.2% 4.6% 0.1% 0.0% 0.0% 32.1% 3.8% 4.3% 18.3% 12.2%	0 299 56 0 0 0 486 37 292 0 3 3 1 1 11 1,401 0 0 0 292 67 0 0	0.0% 7.0% 1.3% 0.0% 0.0% 0.9% 6.8% 0.0% 0.1% 6.8% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0	293 11 1,957	6.8% 0.3% 81.7% 5.2%
	2,396	815 16	0.4%	768 299 5 12 39 486 37 94 198 3 1 1 1 766 92 102 439 292 11 18 38 261	17.8% 7.0% 0.1% 0.3% 0.9% 11.3% 2.2% 4.6% 0.0% 0.0% 3.3% 4.3% 18.3% 4.3% 18.3% 18.3% 18.3% 18.3% 18.3%	0 299 56 0 0 0 486 37 292 0 3 1 1 1 1 1.401 0 0 0 292 67 0 0 261	0.0% 7.0% 1.3% 0.0% 0.0% 11.3% 0.9% 6.8% 0.0% 0.1% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0	293 11 1,957	0.3%
	2,396	16 1,401 359	18.9% 0.4% 58.5%	768 299 5 12 39 486 37 94 198 3 1 1 17 68 92 102 439 292 11 18 38	17.8% 7.0% 0.1% 0.3% 0.9% 11.3% 0.99% 2.2% 4.6% 0.1% 0.0% 0.3% 32.1% 3.8% 4.3% 12.2% 0.5% 0.8% 1.6%	0 299 56 0 0 0 486 37 292 0 3 1 1 1 1 1 1 401 0 0 0 292 67 0 0 0 261 57	0.0% 7.0% 1.3% 0.0% 0.0% 0.0% 6.8% 0.0% 0.1% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0	293 11 1,957	6.8% 0.3% 81.7% 5.2%
	2,396	16 1,401 359	18.9% 0.4% 58.5%	768 299 5 12 39 486 37 94 198 3 1 1 17 68 92 102 439 292 11 18 38 261 57 93	17.8% 7.0% 0.1% 0.3% 0.9% 11.3% 0.99% 2.2% 4.6% 0.1% 0.0% 3.3% 32.1% 3.8% 4.3% 12.2% 0.5% 0.6% 10.9% 2.4% 3.9%	0 299 56 0 0 0 486 37 2992 0 3 3 1 1 11 1.401 0 0 0 2992 67 0 0 0 261 57 307	0.0% 7.0% 1.3% 0.0% 0.0% 11.3% 0.9% 6.8% 0.0% 0.1% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0	293 11 1,957	6.8% 0.3% 81.7% 5.2%
	2,396	16 1,401 359	18.9% 0.4% 58.5%	768 299 5 12 39 486 37 94 198 3 1 1 11 768 92 102 439 292 11 18 38 38 261 57	17.8% 7.0% 0.1% 0.3% 0.9% 11.3% 0.99% 2.2% 4.6% 0.10% 0.09% 32.1% 4.3% 4.3% 4.3% 18.3% 4.3% 10.5% 0.8% 1.6% 0.8% 1.6%	0 299 56 0 0 0 486 37 292 0 3 1 1 1 1 1 1 401 0 0 0 292 67 0 0 0 261 57	0.0% 7.0% 1.3% 0.0% 0.0% 0.0% 6.8% 0.0% 0.1% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0	293 11 1,957	6.8% 0.3% 81.7% 5.2%
	2,396	16 1,401 359	18.9% 0.4% 58.5%	768 299 5 12 39 486 37 94 198 3 1 1 17 68 92 102 439 292 11 18 38 261 57 93	17.8% 7.0% 0.1% 0.3% 0.9% 11.3% 0.99% 2.2% 4.6% 0.1% 0.0% 3.3% 32.1% 3.8% 4.3% 12.2% 0.5% 0.6% 10.9% 2.4% 3.9%	0 299 56 0 0 0 486 37 2992 0 3 3 1 1 11 1.401 0 0 0 2992 67 0 0 0 261 57 307	0.0% 7.0% 1.3% 0.0% 0.0% 11.3% 6.8% 0.0% 6.8% 0.0% 6.0% 0.0% 1.0% 0.0% 1.22% 2.8% 0.0% 0.0% 1.22% 2.8% 0.0% 1.23%	293 11 1,957	6.8% 0.3% 81.7% 5.2%
Archaeoglobus fulgidus Escherichia coli K12	2,396	815 16 1,401 359	18.9% 0.4% 58.5% 15.0%	768 299 5 12 39 486 37 94 198 3 1 1 17 68 92 102 439 292 11 18 38 261 57 93	17.8% 7.0% 0.1% 0.3% 0.9% 11.3% 0.99% 2.2% 4.6% 0.1% 0.0% 0.0% 32.1% 3.8% 4.3% 18.3% 18.3% 18.3% 18.3% 18.3% 18.3% 18.3% 18.3% 18.3% 18.3% 18.3%	0 299 56 0 0 0 486 37 2992 0 3 3 1 1 11 1.401 0 0 0 2992 67 0 0 0 261 57 307	0.0% 7.0% 1.3% 0.0% 0.0% 11.3% 6.8% 0.0% 6.8% 0.0% 0.0% 0.1% 0.0% 0.0% 0.0% 0.0% 0.0	11 1,957 124 310	6.8% 0.3% 81.7% 5.2%
	2,396	815 16 1,401 359	18.9% 0.4% 58.5% 15.0%	768 299 5 12 39 486 37 94 198 3 1 1 11 768 92 102 439 292 11 18 38 261 57 93 214 3	17.8% 7.0% 0.1% 0.3% 0.9% 11.3% 0.9% 2.2% 4.6% 0.1% 0.0% 0.0% 32.1% 32.1% 3.8% 4.3% 18.3% 18.3% 10.5% 0.8% 1.6% 0.9% 2.4% 3.9% 8.9%	0 299 56 0 0 0 486 37 292 0 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.0% 7.0% 1.3% 0.0% 0.0% 0.9% 6.8% 0.0% 0.1% 0.0% 0.1% 0.0% 0.0% 0.0% 0.0	11 1,957 124 310	6.8% 0.3% 81.7% 5.2%
	2,396	815 16 1,401 359	18.9% 0.4% 58.5% 15.0%	768 299 5 12 39 486 37 94 198 3 1 1 1 1768 92 102 439 292 111 18 38 261 57 93 214 3 0 3	17.8% 7.0% 0.1% 0.3% 0.9% 11.3% 0.99% 2.2% 4.6% 0.0% 0.0% 32.1% 3.8% 4.3% 18.3% 18.3% 18.3% 18.3% 18.3% 18.3% 18.3% 18.3% 18.3% 18.3% 18.3% 18.3%	0 299 56 0 0 0 486 37 292 0 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.0% 7.0% 1.3% 0.0% 0.0% 11.3% 0.9% 6.8% 0.0% 0.1% 0.0% 0.3% 0.0% 0.0% 0.0% 12.2% 2.8% 0.0% 10.9% 12.4% 12.8% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0	11 1,957 124 310	6.8% 0.3% 81.7% 5.2%
		815 16 1,401 359 625	18.9% 0.4% 58.5% 15.0%	768 299 5 12 39 486 37 94 198 3 1 1 17 68 92 102 439 292 11 18 38 261 57 93 214 3 0 3 5	17.8% 7.0% 0.1% 0.3% 0.99% 11.3% 0.99% 2.2% 4.6% 0.0% 0.0% 0.3% 32.1% 3.8% 4.3% 18.3% 18.3% 18.3% 18.3% 18.3% 19.5% 0.5% 0.8% 0.8% 0.9% 0.1% 0.0%	0 299 56 0 0 0 486 37 292 0 3 1 1 1 1 1 1.401 0 0 0 292 67 0 0 261 57 307 0 3 3 5 5	0.0% 7.0% 1.3% 0.0% 0.0% 11.3% 0.9% 6.8% 0.0% 0.1% 0.0% 0.3% 0.0% 0.0% 0.0% 0.0% 12.2% 2.8% 0.0% 0.0% 10.9% 2.4% 10.9% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0%	111 1,957 124 310	6.8% 0.3% 81.7% 5.2% 12.9%
Archaeoglobus fulgidus	2,396	815 16 1,401 359	18.9% 0.4% 58.5% 15.0%	768 299 5 12 39 486 37 94 198 3 1 1 1 768 92 102 439 292 11 18 38 261 57 93 214 3 0 3 5	17.8% 7.0% 0.1% 0.3% 0.9% 11.3% 2.2% 4.6% 0.09% 3.2.1% 3.8% 4.3% 18.3% 18.3% 16.3% 10.9% 2.4% 3.9% 0.1% 3.9% 0.1% 3.9%	0 299 56 0 0 0 486 37 292 0 3 1 1 11 1,401 0 0 0 299 67 0 0 261 57 307 0 3 3 0 3 5 1,074	0.0% 7.0% 1.3% 0.0% 0.0% 0.9% 6.8% 0.0% 0.1% 0.0% 0.1% 0.0% 0.0% 0.0% 0.0	11 1,957 124 310	6.8% 0.3% 81.7% 5.2%
		815 16 1,401 359 625	18.9% 0.4% 58.5% 15.0%	768 299 5 12 39 486 37 94 198 3 1 1 17 68 92 102 439 292 11 18 38 261 57 93 214 3 0 3 5	17.8% 7.0% 0.1% 0.3% 0.99% 11.3% 0.99% 2.2% 4.6% 0.0% 0.0% 0.3% 32.1% 3.8% 4.3% 18.3% 18.3% 18.3% 18.3% 18.3% 19.5% 0.5% 0.8% 0.8% 0.9% 0.1% 0.0%	0 299 56 0 0 0 486 37 292 0 3 1 1 1 1 1 1.401 0 0 0 292 67 0 0 261 57 307 0 3 3 5 5	0.0% 7.0% 1.3% 0.0% 0.0% 11.3% 0.9% 6.8% 0.0% 0.1% 0.0% 0.3% 0.0% 0.0% 0.0% 0.0% 12.2% 2.8% 0.0% 0.0% 10.9% 2.4% 10.9% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0%	111 1,957 124 310	6.8% 0.3% 81.7% 5.2% 12.9%

0.0% Prochlorococcus marinus SS 34.5% 648 0 42 2.2% 0.1% 1.7% 31 0.1% 0 0.0% 27 1.4% 0 0.0% 661 35.1% 492 26.2% 0.6% 11 0.6% 11 27 1.4% 492 26.2% 465 24.7% 0 0.0% 0.3% 0.3% 5 5 0 0.0% 0 0.0% 5 0.3% Moving from top to bottom is equivalent to moving clockwise around the pie chart and moving

from left to right across the table is equivalent to moving from the inner pie to the outside ring SI Fig. 7. A description of the colors used and the corresponding categories can be found in Fig. 2.