

Table S4. Proportions of genes with significantly deviated GC3 values in each class.

	Core GC3 (%)		Significantly deviated genes / All genes (%)					
	mean	sd	A	B	C	D	E	F
<i>B. anthracis</i>	26.56	3.82	0.64	0.90	1.1	0.362	0.626	1.65
<i>B. cereus</i>	26.23	3.86	0.258	0.858	0.804	0.868	0.794	1.94
<i>B. clausii</i>	44.51	3.76	0.238	1.57	2.27	4.39	10.3	13.8
<i>B. halodurans</i>	42.89	4.41	0.714	0.687	0.709	1.59	3.05	6.54
<i>B. licheniformis</i>	52.76	4.65	0.471	0.327	1.88	4.15	7.38	20.9
<i>B. subtilis</i>	44.46	5.01	0.121	0.326	0.645	2.06	6.19	19.3
<i>G. kaustophilus</i>	65.41	5.15	0.517	1.11	10.5	13.8	18.2	24.7
<i>O. iheyensis</i>	24.45	3.52	0.719	0.922	1.08	3.04	4.18	6.07
<i>E. coli</i>	56.88	5.56	0.291	0.718	7.69	3.97	8.88	19.2
<i>S. enterica</i>	60.87	5.95	0	2.63	0	5.09	9.98	31.1
<i>Enterobacter</i> sp.	60.82	5.88	0.0951	0.422	0.855	2.16	4.59	18.3
<i>E. carotovora</i>	56.60	6.07	0.371	0.683	0	1.50	8.15	15.9
<i>P. luminescens</i>	39.63	5.21	0.0923	0.612	5.36	7.57	9.18	9.97
<i>S. glossinidius</i>	67.51	5.62	0.527	0.966	5.56	16.8	14.7	19.2
<i>S. proteamaculans</i>	67.07	5.75	0.274	1.25	2.51	3.1	6.95	12.0
<i>Y. pestis</i>	49.40	5.49	0.183	0.587	1.52	3.54	6.88	11.9
Average ¹	47.65	4.90	0.371	0.925	2.71	4.43	7.26	13.39

¹ The simple arithmetic averages of the values of the 16 organisms examined rather than the values calculated against the combined dataset of these organisms.