

List of the 90 Enterobacteriaceae sequenced strains, with their full-length and fragmented intron abundance in plasmids and chromosomes

genus	group	strain	GenBank accession	number of free plasmids	group II introns in plasmids		group II introns in chromosome		total	strain-specific copies
					full-length	fragments	full-length	fragments		
Escherichia/Shigella										
	B2	E. coli O127H6 str. E2348/69	NC_011601	2	.	.	.	.		.
		E. coli 536	NC_008253		.	.	1	.	1	1
		E. coli CFT073	NC_004431		.	.	1	1	2	1
		E. coli ED1a	NC_011745		.	.	5	.	5	3
		E. coli S88	NC_011742	1	.	.	1	1	2	
		E. coli APEC_O1	NC_008563	2	.	.	1	1	2	
		E. coli UT189	NC_007946	1	<i>I</i>	<i>I</i>	.	.	2	
	D	E. coli IA139	NC_011750		.	.	15	.	15	15
		E. coli SMS-3-5	NC_010498	4	.	.	1	2	3	3
		E. coli UMN026	NC_011751	2	<i>I</i>	<i>I</i>	1	.	3	1
	A	E. coli ATCC 8739	NC_010468		.	.	1	.	1	
		E. coli HS	NC_009800		.	.	.	.
		E. coli BL21	NC_012892		.	.	.	1	1	
		E. coli BL21-Gold (DE3)	NC_012947		.	.	.	1	1	
		E. coli B str. REL606	NC_012967		.	.	.	1	1	
		E. coli K12 BW2952	NC_012759		.	.	.	1	1	
		E. coli K12 substr. DH10B	NC_010473		.	.	.	1	1	
		E. coli K12 substr. MG1655	NC_000913		.	.	.	1	1	
		E. coli K12 substr. W3110	AC_000091		.	.	.	1	1	
	B1	E. coli IA11	NC_011741		.	.	.	2	2	
		E. coli SE11	NC_011415	6	.	2	.	2	4	2
		E. coli 55989	NC_011748		.	.	6	1	7	5
		E. coli E24377A	NC_009801	6	4	2	3	3	12	9
	SS	S. sonnei Ss046	NC_007384	4	.	8	.	1	9	
		S. boydii Sb227	NC_007613	1	.	5	.	1	6	
		S. boydii CDC 3083-94	NC_010658	5	.	10	.	1	11	1
	S3	S. flexneri Sf_5a_8401	NC_008258		.	.	.	1	1	
		S. flexneri 2a str. 301	NC_004337	1	.	10	.	1	12	2
		S. flexneri 2a 2457T	NC_004741		.	.	1	1	2	
	S.D.	S. dysenteriae Sd197	NC_007606	2	.	6	.	.	6	
	E	E. coli O157H7 str. EDL933	NC_002655	1	<i>I</i>	.	.	1	2	
		E. coli O157H7 str. Sakai	NC_002695	2	<i>I</i>	.	.	1	2	
		E. coli O157H7 str. EC4115	NC_011353	2	.	.	.	1	1	
		E. coli O157H7 str. TW14359	NC_013008	1	.	.	.	1	1	
		E. fergusonii ATCC 35469	NC_011740	1	.	<i>I</i>	.	.	1	1
genus average/sub-TOTAL				1.26	8	46	38	30	122	44
<i>sub-TOTAL for distinct copies</i>					6	20	34	7	67	44
Yersinia										
		Y. pestis Angola	NC_010159	2	.	<i>I</i>	.	.	1	
		Y. pestis Antiqua	NC_008150	3	.	<i>I</i>	.	.	1	
		Y. pestis Microtus str. 91001	NC_005810	4	.	<i>I</i>	.	.	1	
		Y. pestis CO92	NC_003143	3	.	<i>I</i>	.	.	1	
		Y. pestis KIM 10	NC_004088	1	.	<i>I</i>	.	.	1	
		Y. pestis Nepal516	NC_008149	2	.	<i>I</i>	.	.	1	
		Y. pestis Pestoides F	NC_009381	2	.	<i>I</i>	.	.	1	
		Y. enterocolitica 8081	NC_008800	1	.	<i>I</i>	.	.	1	1
		Y. pseudotuberculosis IP 31768	NC_009708	2	.	.	.	.
		Y. pseudotuberculosis IP 32953	NC_006155	2	.	.	.	.
		Y. pseudotuberculosis PB1/+	NC_010634	1	.	.	.	.
		Y. pseudotuberculosis YPIII	NC_010465		.	.	.	.
genus average/sub-TOTAL				1.92	8	8	8	8	8	1
<i>sub-TOTAL for distinct copies</i>						2			2	1
Klebsiella										
		K. pneumoniae 342	NC_011283	2	.	.	.	.
		K. pneumoniae MGH 78578	NC_009648	5	<i>I</i>	<i>I</i>	1	1	4	4
		K. pneumoniae NTUH-K2044	NC_012731	1	.	.	.	1	1	1
genus average/sub-TOTAL				2.67	1	1	1	2	5	5
<i>sub-TOTAL for distinct copies</i>					1	1	1	2	5	5
Dickeya										
		D. dadantii Ech703	NC_012880		.	.	1	.	1	
		D. zeae Ech1591	NC_012912		.	.	3	.	3	2
genus average/sub-TOTAL							4		4	2
<i>sub-TOTAL for distinct copies</i>							3		3	2
Photobacterium										
		P. luminescens TTO1	NC_005126		.	.	2	7	9	8
		P. asymbiotica ATCC 43949	NC_012962	1	.	.	.	1	1	
genus average/sub-TOTAL				0.5			2	8	10	8
<i>sub-TOTAL for distinct copies</i>							2	7	9	8

Table S1

Sodalis									
	S. glossinidius 'morsitans'	NC_007712	3	.	1	3	4	8	8
genus average/sub-TOTAL			3	1	3	4	8	8	8
<i>sub-TOTAL for distinct copies</i>				1	3	4	8	8	8
Serratia									
	S. proteamaculans 568	NC_009832	1	.	.	3		3	3
genus average/sub-TOTAL			1			3	3	3	3
<i>sub-TOTAL for distinct copies</i>						3	3	3	3
Candidatus Hamiltonella									
	H. defensa 5AT	NC_012751	1	1	.	29	8	38	38
genus average/sub-TOTAL			1	1		29	8	38	38
<i>sub-TOTAL for distinct copies</i>				1		29	8	38	38
Buchnera									
	B. aphidicola Bp	NC_004545	1	.	.	.	.	.	.
	B. aphidicola 5A	NC_011833		.	.	.	.	.	.
	B. aphidicola Cc	NC_008513	1	.	.	.	.	.	.
	B. aphidicola Sg	NC_004061		.	.	.	.	.	.
	B. aphidicola Tuc7	NC_011834		.	.	.	.	.	.
	B. aphidicola APS	NC_002528	2	.	.	.	.	.	.
genus average/sub-TOTAL			0.67						
<i>sub-TOTAL for distinct copies</i>									
Candidatus blochmannia									
	<i>B. floridanus</i>	NC_005061		.	.	.	.	.	.
	<i>B. pennsylvanicus BPEN</i>	NC_007292		.	.	.	.	.	.
genus average/sub-TOTAL									
<i>sub-TOTAL for distinct copies</i>									
Wigglesworthia									
	<i>W. glossinidia</i>	NC_004344	1	.	.	.	.	.	.
genus average/sub-TOTAL			1						
<i>sub-TOTAL for distinct copies</i>									
Salmonella									
	S. enterica arizonae RSK2980	NC_010067		.	.	.	.	.	.
	S. enterica Choleraesuis SC-B67	NC_006905	2	.	.	.	.	.	.
	S. enterica Schwarzengrund CVM1	NC_011094	2	.	.	.	.	.	.
	S. enterica Agona SL483	NC_011149	1	.	.	.	.	.	.
	S. enterica Dublin CT_02021853	NC_011205	1	.	.	.	.	.	.
	S. enterica Enteritidis P125109	NC_011294		.	.	.	.	.	.
	S. enterica Gallinarum 287/91	NC_011274		.	.	.	.	.	.
	S. enterica Heidelberg SL476	NC_011083	2	.	.	.	.	.	.
	S. enterica Newport SL254	NC_011080	2	.	.	.	.	.	.
	S. enterica Paratyphi A ATCC 9151	NC_006511		.	.	.	.	.	.
	S. enterica Paratyphi A AKU 1260	NC_011147		.	.	.	.	.	.
	S. enterica Paratyphi B SPB7	NC_010102		.	.	.	.	.	.
	S. enterica Paratyphi C RKS4594	NC_012125	1	.	.	.	.	.	.
	S. enterica Typhi Ty2	NC_004631		.	.	.	.	.	.
	S. enterica Typhi CT18	NC_003198	2	.	.	.	.	.	.
	S. enterica Typhimurium LT2	NC_003197	1	.	.	.	.	.	.
genus average/sub-TOTAL			0.875						
<i>sub-TOTAL for distinct copies</i>									
Citrobacter									
	<i>C. koseri ATCC BAA-895</i>	NC_009792	2	.	.	.	.	.	.
genus average/sub-TOTAL			2						
<i>sub-TOTAL for distinct copies</i>									
Proteus									
	<i>P. mirabilis HI4320</i>	NC_010554	1	.	.	.	.	.	.
genus average/sub-TOTAL			1						
<i>sub-TOTAL for distinct copies</i>									

Edwardsiella									
	<i>E. ictaluri</i> 93-146	NC_012779							
genus average/sub-TOTAL									
<i>sub-TOTAL for distinct copies</i>									
Enterobacter									
	<i>Enterobacter</i> sp 638	NC_009436	1						
genus average/sub-TOTAL			1						
<i>sub-TOTAL for distinct copies</i>									
Cronobacter									
	<i>C. sakazakii</i> ATCC BAA-894	NC_009778	2						
genus average/sub-TOTAL			2						
<i>sub-TOTAL for distinct copies</i>									
Pectobacterium/Erwinia									
	<i>E. tasmaniensis</i> Et1/99	NC_010694	5						
	<i>P. atrosepticum</i> SCRI1043	NC_004547							
	<i>P. carotovorum</i> PC1	NC_012917							
genus average/sub-TOTAL			1.67						
<i>sub-TOTAL for distinct copies</i>									
TOTAL			1.20	10	56	77	55	198	109
<i>for distinct copies</i>				8	24	72	31	135	109

number of genomes with zero intron : 40