

Supplemental table 1B:

Helix #	<i>G. kaustophilus</i> nucleotide	<i>E. coli</i> nucleotide	Naked 16S rel. to SSUs	16S rRNA rel. to	Int. 1 rel. to SSUs	Int. 1 rel. to Int. 2	Int. 2 rel. to SSUs	Int. 2 rel. to SSUs	SSUs
2	922	917	3.1	NC	2.7	NC	1.5	NC	1.0
	923	918	3.3	NC	1.9	NC	1.0	NC	1.0
3	559	555	21.5	NC	26.6	NC	15.9	P	1.0
17	491	487	0.9	NC	1.7	NC	1.7	NC	1.0
18	512	508	1.2	E	3.0	NC	2.0	P	1.0
	526	522	1.5	NC	2.8	NC	1.9	NC	1.0
	527	523	1.5	NC	2.8	NC	1.9	NC	1.0
	528	524	1.5	NC	2.8	NC	1.9	NC	1.0
	529	525	1.5	NC	2.8	NC	1.9	NC	1.0
	530	526	1.5	NC	2.8	NC	1.9	NC	1.0
	543	539	2.6	NC	4.9	NC	3.1	P	1.0
	564	560	1.2	E	3.1	NC	1.7	NC	1.0
20	581	577	2.6	E	5.4	P	2.7	P	1.0
	588	584	0.4	E	1.2	NC	0.8	NC	1.0
	589	585	0.4	E	1.2	P	0.6	NC	1.0
21	591	587	0.3	E	1.6	NC	1.4	NC	1.0
22	660	656	0.8	E	1.7	NC	1.3	NC	1.0
	662	658	1.1	NC	1.6	NC	1.2	NC	1.0
	664	660	2.5	NC	2.2	NC	1.5	NC	1.0
	670	666	1.3	E	4.6	NC	3.2	P	1.0
	673	669	5.9	NC	3.3	NC	2.5	P	1.0
	677	673	1.6	NC	1.4	NC	0.9	NC	1.0
23	680	676	3.3	NC	2.6	NC	1.6	NC	1.0
	681	677	3.3	NC	2.6	NC	1.6	NC	1.0
	682	678	3.3	NC	2.6	NC	1.6	NC	1.0
	686	682	2.0	NC	1.8	NC	1.7	NC	1.0
	687	683	2.0	NC	1.8	NC	1.7	NC	1.0
	688	684	2.0	NC	1.8	NC	1.7	NC	1.0
	697	693	1.5	NC	1.6	NC	1.4	NC	1.0
	698	694	1.5	NC	1.6	NC	1.4	NC	1.0
	699	695	1.5	NC	1.6	NC	1.4	NC	1.0
	700	696	1.5	NC	1.6	NC	1.4	NC	1.0
	701	697	1.5	NC	1.6	NC	1.4	NC	1.0
	704	700	5.9	NC	6.1	P	1.1	NC	1.0
	706	702	2.8	NC	2.3	NC	1.2	NC	1.0
	709	705	1.1	NC	1.6	NC	1.2	NC	1.0
	711	707	2.5	NC	1.7	NC	1.3	NC	1.0
24	794	790	3.5	NC	3.2	P	1.5	NC	1.0
	795	791	3.5	NC	3.2	P	1.5	NC	1.0
	796	792	3.5	NC	3.2	P	1.5	NC	1.0
	797	793	3.5	NC	3.2	P	1.5	NC	1.0
	798	794	3.5	NC	3.2	P	1.5	NC	1.0
	799	795	3.5	NC	3.2	P	1.5	NC	1.0
	800	796	3.5	NC	3.2	P	1.5	NC	1.0
	801	797	3.5	NC	3.2	P	1.5	NC	1.0
	802	798	3.5	NC	3.2	P	1.5	NC	1.0
	805	801	2.5	NC	3.0	P	1.4	NC	1.0
	806	802	2.5	NC	3.0	P	1.4	NC	1.0
	807	803	4.3	NC	3.5	P	1.5	NC	1.0
	808	804	4.3	NC	3.5	P	1.5	NC	1.0
	809	805	4.3	NC	3.5	P	1.5	NC	1.0
	818	814	2.0	NC	2.8	P	1.0	NC	1.0
	824	820	2.8	NC	3.4	P	1.5	NC	1.0
26	847	843	1.4	E	3.4	P	1.4	NC	1.0
27	904	900	4.2	P	1.6	NC	1.4	NC	1.0

28	929	925	15.5	P	5.5	NC	4.4	P	1.0
29	946	942	8.0	P	2.7	NC	2.4	P	1.0
31	978	974	0.9	NC	1.1	NC	1.3	NC	1.0
	980	976	0.7	NC	1.1	NC	1.8	NC	1.0
	983	979	1.5	NC	1.4	NC	1.1	NC	1.0
32	995	991	3.2	P	0.8	NC	1.2	NC	1.0
33	999	994	2.2	NC	2.5	NC	2.2	P	1.0
	1020	1016	3.6	P	1.7	NC	1.4	NC	1.0
	1022	1018	2.7	NC	1.9	NC	1.6	NC	1.0
	1030	1026	0.6	NC	0.3	E	1.4	NC	1.0
	1052	1044	1.9	P	0.4	E	1.1	NC	1.0
	1054	1046	4.0	P	1.6	NC	2.4	P	1.0
34	1058	1050	2.7	P	1.3	NC	1.8	NC	1.0
	1059	1051	4.0	NC	2.3	NC	2.5	P	1.0
36	1089	1081	7.5	P	2.4	NC	4.6	P	1.0
	1091	1083	1.7	P	0.6	NC	1.1	NC	1.0
37	1099	1091	0.6	NC	0.7	NC	1.3	NC	1.0
	1104	1096	4.9	P	1.4	NC	1.2	NC	1.0
39	1141	1132	1.7	NC	1.7	NC	1.1	NC	1.0
	1145	1136	0.6	NC	0.5	NC	0.6	NC	1.0
	1147	1139	0.3	NC	0.5	NC	0.7	NC	1.0
	1148	1140	0.3	NC	0.5	NC	0.7	NC	1.0
	1149	1141	0.3	NC	0.5	NC	0.7	NC	1.0
	1150	1142	0.3	NC	0.5	NC	0.7	NC	1.0
	1151	1143	0.3	NC	0.5	NC	0.7	NC	1.0
40	1175	1167	0.5	NC	0.9	NC	1.1	NC	1.0