Supplemental table 1C:

Helix #	*T. thermophilus* nucleotide	*E. coli* 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	895	917	2.0	P	0.7	E	2.5	P	1.0
	896	918	0.8	NC	0.7	NC	1.0	NC	1.0
19	859	875	15.5	P	1.5	NC	0.8	NC	1.0
21	581	597	36.4	NC	42.6	P	13.6	P	1.0
	595	611	0.7	P	0.3	E	1.8	NC	1.0
	610	626	9.8	NC	18.5	P	5.4	P	1.0
	616	632	0.3	NC	0.3	E	1.1	NC	1.0
	618	634	1.2	NC	1.0	E	2.3	P	1.0
	620	636	0.1	P	0.0	E	0.2	E	1.0
22	639	655	1.2	NC	0.7	P	0.1	E	1.0
	647	663	6.0	NC	5.8	P	0.5	E	1.0
24	771	787	0.3	NC	0.4	NC	0.6	NC	1.0
	776	792	1.0	NC	1.1	NC	0.9	NC	1.0
	785	801	0.6	NC	0.6	E	2.1	P	1.0
	788	804	1.8	NC	1.5	NC	1.5	NC	1.0
25	853	869	37.2	P	0.6	NC	0.9	NC	1.0
	855	871	4.7	P	1.3	NC	1.4	NC	1.0
	857	873	8.6	NC	4.8	P	2.3	P	1.0
26	815	831	0.4	NC	0.6	NC	0.7	NC	1.0
	821	837	6.9	P	2.0	P	1.0	NC	1.0
	822	838	6.9	P	2.0	P	1.0	NC	1.0
	823	839	6.9	P	2.0	P	1.0	NC	1.0
	828	844	5.9	P	1.9	NC	1.1	NC	1.0
	832	848	0.0	E	0.5	NC	0.7	NC	1.0
	833	849	0.1	E	0.6	NC	0.8	NC	1.0
	834	850	0.5	E	1.1	NC	0.9	NC	1.0
	837	853	1.7	NC	1.3	NC	0.8	NC	1.0
	838	854	4.8	P	2.1	P	0.8	NC	1.0
	840	856	6.9	NC	4.4	P	1.6	NC	1.0
	847	863	6.3	NC	3.9	P	0.8	NC	1.0
	848	864	6.9	NC	4.7	P	0.8	NC	1.0
	849	865	6.0	NC	5.5	P	1.8	NC	1.0
27	873	895	0.4	E	1.2	NC	1.1	NC	1.0
	877	899	0.8	E	2.1	NC	1.7	NC	1.0
	882	904	1.0	NC	0.8	NC	0.9	NC	1.0
31	950	972	1.7	E	12.8	P	1.3	NC	1.0
	955	977	2.3	E	8.7	P	1.2	NC	1.0
32	1205	1222	1.5	E	14.6	P	1.2	NC	1.0
	1206	1223	1.5	E	14.6	P	1.2	NC	1.0
33	972	994	2.2	E	5.9	P	1.0	NC	1.0
	980	1002	1.1	E	3.4	P	0.9	NC	1.0
	981	1003	4.2	E	122.6	P	2.9	P	1.0
	1011	1033	1.9	E	15.5	P	1.6	NC	1.0
	1012	1034	1.9	E	15.5	P	1.6	NC	1.0
	1013	1035	1.9	E	15.5	P	1.6	NC	1.0
	1014	1036	1.9	E	15.5	P	1.6	NC	1.0
	1015	1037	6.6	E	69.3	P	1.4	NC	1.0
34	1031	1048	0.7	NC	1.3	NC	1.6	NC	1.0
	1032	1049	0.5	E	2.8	NC	1.9	NC	1.0
	1034	1051	11.9	NC	7.9	P	1.4	NC	1.0
	1035	1052	227.5	E	1139.4	P	7.7	P	1.0
	1037	1054	0.2	P	0.0	E	0.4	E	1.0
	1175	1192	12.1	P	1.2	NC	2.2	P	1.0
	1176	1193	11.6	P	1.0	E	2.2	P	1.0
	1178	1195	5.2	P	0.4	NC	0.6	NC	1.0

	1180	1197	2.6	NC	1.9	NC	1.2	NC	1.0
	1181	1198	4.5	E	14.1	P	0.8	NC	1.0
	1185	1202	0.9	E	3.2	P	0.9	NC	1.0
36	1063	1080	0.1	NC	0.1	E	0.3	E	1.0
37	1078	1095	0.1	E	0.5	E	1.1	NC	1.0
	1082	1099	0.0	E	0.4	E	1.0	NC	1.0
	1083	1100	0.0	E	0.4	E	1.0	NC	1.0
	1092	1109	0.6	NC	0.4	NC	0.7	NC	1.0
38	1167	1184	0.5	NC	0.7	NC	1.2	NC	1.0
	1168	1185	0.7	NC	0.8	NC	1.0	NC	1.0
	1169	1186	1.6	NC	1.0	NC	1.3	NC	1.0
	1170	1187	1.8	P	0.7	NC	1.0	NC	1.0
39	1114	1131	0.6	NC	0.4	E	0.9	NC	1.0
	1115	1132	0.6	NC	0.4	E	0.9	NC	1.0
	1116	1133	0.6	NC	0.4	E	0.9	NC	1.0
	1117	1134	0.6	NC	0.4	E	0.9	NC	1.0
	1122	1139	1.6	NC	1.2	P	0.4	E	1.0
	1123	1140	1.6	NC	1.2	P	0.4	E	1.0
	1125	1142	1.7	NC	1.3	NC	1.0	NC	1.0
	1126	1143	1.7	NC	1.3	NC	1.0	NC	1.0
	1127	1144	1.7	NC	1.3	NC	1.0	NC	1.0
	1128	1145	0.6	NC	1.0	NC	1.1	NC	1.0
40	1139	1156	0.9	NC	1.1	NC	1.2	NC	1.0
	1140	1157	1.0	NC	1.1	NC	1.0	NC	1.0
	1144	1161	0.9	NC	0.4	E	1.5	NC	1.0
	1150	1167	0.7	NC	1.0	E	2.1	P	1.0
	1154	1171	0.3	E	1.1	NC	1.0	NC	1.0
	1156	1173	0.5	NC	0.8	NC	1.0	NC	1.0
	1157	1174	0.5	NC	0.8	NC	0.8	NC	1.0
41	1249	1266	30.6	NC	21.5	P	2.1	P	1.0
	1277	1294	3.2	P	0.8	E	5.4	P	1.0
	1278	1295	0.9	NC	0.4	E	5.6	P	1.0
	1281	1298	6.5	P	1.0	E	5.6	P	1.0
	1282	1299	6.5	P	1.0	E	5.6	P	1.0
	1283	1300	6.5	P	1.0	E	5.6	P	1.0
42	1288	1305	4.5	P	1.1	NC	1.3	NC	1.0
	1295	1312	18.0	P	3.5	NC	4.4	P	1.0
	1298	1315	1.6	NC	2.9	E	5.9	P	1.0
	1299	1316	1.6	NC	2.9	E	5.9	P	1.0
	1300	1317	1.6	NC	2.9	E	5.9	P	1.0
	1303	1320	1.6	NC	2.9	E	5.9	P	1.0
	1304	1321	1.6	NC	2.9	E	5.9	P	1.0
	1305	1322	1.6	NC	2.9	E	5.9	P	1.0
	1306	1323	4.4	NC	4.0	E	11.7	P	1.0
	1314	1331	15.4	NC	17.8	P	3.7	P	1.0
	1317	1334	16.6	P	5.4	P	1.2	NC	1.0