

**Table 3.** Sugar Puckering Patterns for Base Pairs Observed in the rRNAs in the *T. thermophilus* 30S and *H. marismortui* 50S Crystal Structures<sup>†</sup>

RNA	[3:3]	[3:2]	[2:3]	[2:2]	[3:o]	[o:2]	Total
16 S	565	17	20	4	1	1	608
23 S	953	64	50	22	1	0	1090
5S	43	1	3	0	0	0	47
Total	1561	82	73	26	2	1	1745

<sup>†</sup>The sugar pucker pattern for a given base pair, X:Y, is represented as [m:n], where m and n are either 3, 2, or o: 3, C3'-endo pucker; 2, C2'-endo pucker; o, O4'-endo pucker.