

Table 1. REMARK model depicted in Fig. 4b with two oligonucleotides

ATOM	1	AUC	SPH	1	-6.134	-13.136	72.020
ATOM	2	AU	SPH	1	-8.435	-10.686	67.050
ATOM	3	AU	SPH	1	-9.237	-9.832	68.089
ATOM	4	AU	SPH	1	-9.828	-9.203	69.396
ATOM	5	AU	SPH	1	-10.167	-8.842	70.882
ATOM	6	AU	SPH	1	-10.231	-8.774	72.446
ATOM	7	AU	SPH	1	-10.016	-9.003	73.980
ATOM	8	AU	SPH	1	-9.536	-9.513	75.381
ATOM	9	AU	SPH	1	-8.825	-10.271	76.553
ATOM	10	AU	SPH	1	-7.930	-11.224	77.416
ATOM	11	AU	SPH	1	-6.913	-12.307	77.911
ATOM	12	AU	SPH	1	-5.842	-13.446	78.005
ATOM	13	AU	SPH	1	-4.792	-14.565	77.691
ATOM	14	AU	SPH	1	-3.833	-15.586	76.990
ATOM	15	AU	SPH	1	-8.435	-10.686	67.050
ATOM	16	AU	SPH	1	-9.500	-10.139	68.060
ATOM	17	AU	SPH	1	-10.336	-9.796	69.339
ATOM	18	AU	SPH	1	-10.885	-9.681	70.801
ATOM	19	AU	SPH	1	-11.111	-9.801	72.347
ATOM	20	AU	SPH	1	-10.997	-10.149	73.870
ATOM	21	AU	SPH	1	-10.552	-10.700	75.267
ATOM	22	AU	SPH	1	-9.806	-11.417	76.442
ATOM	23	AU	SPH	1	-8.810	-12.251	77.317
ATOM	24	AU	SPH	1	-7.631	-13.146	77.830
ATOM	25	AU	SPH	1	-6.350	-14.040	77.947
ATOM	26	AU	SPH	1	-5.055	-14.872	77.661
ATOM	27	AU	SPH	1	-3.833	-15.586	76.990
ATOM	28	AU	SPH	1	-8.435	-10.686	67.050
ATOM	29	AU	SPH	1	-9.685	-10.489	67.973
ATOM	30	AU	SPH	1	-10.693	-10.472	69.171
ATOM	31	AU	SPH	1	-11.391	-10.637	70.564
ATOM	32	AU	SPH	1	-11.730	-10.973	72.056
ATOM	33	AU	SPH	1	-11.688	-11.455	73.545
ATOM	34	AU	SPH	1	-11.267	-12.052	74.931
ATOM	35	AU	SPH	1	-10.497	-12.723	76.118
ATOM	36	AU	SPH	1	-9.429	-13.423	77.026
ATOM	37	AU	SPH	1	-8.137	-14.102	77.593
ATOM	38	AU	SPH	1	-6.708	-14.716	77.780
ATOM	39	AU	SPH	1	-5.240	-15.222	77.574
ATOM	40	AU	SPH	1	-3.833	-15.586	76.990
ATOM	41	AU	SPH	1	-8.435	-10.686	67.050
ATOM	42	AU	SPH	1	-9.780	-10.858	67.834
ATOM	43	AU	SPH	1	-10.876	-11.186	68.904
ATOM	44	AU	SPH	1	-11.649	-11.646	70.186
ATOM	45	AU	SPH	1	-12.046	-12.208	71.593
ATOM	46	AU	SPH	1	-12.041	-12.833	73.029
ATOM	47	AU	SPH	1	-11.632	-13.479	74.397
ATOM	48	AU	SPH	1	-10.849	-14.101	75.602
ATOM	49	AU	SPH	1	-9.745	-14.658	76.563
ATOM	50	AU	SPH	1	-8.395	-15.111	77.215
ATOM	51	AU	SPH	1	-6.890	-15.429	77.512
ATOM	52	AU	SPH	1	-5.334	-15.591	77.436

ATOM	53	AU	SPH	1	-3.833	-15.586	76.990
ATOM	54	AU	SPH	1	-8.435	-10.686	67.050
ATOM	55	AU	SPH	1	-9.777	-11.221	67.654
ATOM	56	AU	SPH	1	-10.871	-11.887	68.556
ATOM	57	AU	SPH	1	-11.642	-12.638	69.694
ATOM	58	AU	SPH	1	-12.038	-13.423	70.990
ATOM	59	AU	SPH	1	-12.031	-14.188	72.357
ATOM	60	AU	SPH	1	-11.623	-14.882	73.701
ATOM	61	AU	SPH	1	-10.840	-15.456	74.930
ATOM	62	AU	SPH	1	-9.737	-15.873	75.960
ATOM	63	AU	SPH	1	-8.388	-16.103	76.723
ATOM	64	AU	SPH	1	-6.886	-16.131	77.164
ATOM	65	AU	SPH	1	-5.332	-15.954	77.256
ATOM	66	AU	SPH	1	-3.833	-15.586	76.990
ATOM	67	AU	SPH	1	-8.435	-10.686	67.050
ATOM	68	AU	SPH	1	-9.678	-11.554	67.445
ATOM	69	AU	SPH	1	-10.679	-12.529	68.151
ATOM	70	AU	SPH	1	-11.371	-13.546	69.121
ATOM	71	AU	SPH	1	-11.706	-14.535	70.288
ATOM	72	AU	SPH	1	-11.661	-15.429	71.574
ATOM	73	AU	SPH	1	-11.239	-16.166	72.890
ATOM	74	AU	SPH	1	-10.470	-16.697	74.147
ATOM	75	AU	SPH	1	-9.405	-16.985	75.258
ATOM	76	AU	SPH	1	-8.117	-17.011	76.149
ATOM	77	AU	SPH	1	-6.694	-16.773	76.759
ATOM	78	AU	SPH	1	-5.233	-16.287	77.046
ATOM	79	AU	SPH	1	-3.833	-15.586	76.990
ATOM	80	AU	SPH	1	-8.435	-10.686	67.050
ATOM	81	AU	SPH	1	-9.489	-11.833	67.219
ATOM	82	AU	SPH	1	-10.313	-13.068	67.716
ATOM	83	AU	SPH	1	-10.854	-14.308	68.506
ATOM	84	AU	SPH	1	-11.072	-15.468	69.535
ATOM	85	AU	SPH	1	-10.954	-16.469	70.734
ATOM	86	AU	SPH	1	-10.507	-17.243	72.020
ATOM	87	AU	SPH	1	-9.763	-17.738	73.306
ATOM	88	AU	SPH	1	-8.771	-17.918	74.505
ATOM	89	AU	SPH	1	-7.599	-17.773	75.534
ATOM	90	AU	SPH	1	-6.328	-17.311	76.324
ATOM	91	AU	SPH	1	-5.043	-16.566	76.821
ATOM	92	AU	SPH	1	-3.833	-15.586	76.990
ATOM	93	AU	SPH	1	-8.435	-10.686	67.050
ATOM	94	AU	SPH	1	-9.222	-12.039	66.994
ATOM	95	AU	SPH	1	-9.799	-13.467	67.281
ATOM	96	AU	SPH	1	-10.125	-14.872	67.891
ATOM	97	AU	SPH	1	-10.180	-16.159	68.782
ATOM	98	AU	SPH	1	-9.959	-17.240	69.893
ATOM	99	AU	SPH	1	-9.478	-18.041	71.150
ATOM	100	AU	SPH	1	-8.768	-18.508	72.466
ATOM	101	AU	SPH	1	-7.879	-18.609	73.752
ATOM	102	AU	SPH	1	-6.871	-18.337	74.919
ATOM	103	AU	SPH	1	-5.813	-17.710	75.889
ATOM	104	AU	SPH	1	-4.777	-16.772	76.595
ATOM	105	AU	SPH	1	-3.833	-15.586	76.990
ATOM	106	AU	SPH	1	-8.435	-10.686	67.050

ATOM	107	AU	SPH	1	-8.897	-12.159	66.784
ATOM	108	AU	SPH	1	-9.170	-13.699	66.876
ATOM	109	AU	SPH	1	-9.236	-15.200	67.317
ATOM	110	AU	SPH	1	-9.091	-16.560	68.080
ATOM	111	AU	SPH	1	-8.745	-17.687	69.110
ATOM	112	AU	SPH	1	-8.220	-18.505	70.339
ATOM	113	AU	SPH	1	-7.554	-18.956	71.683
ATOM	114	AU	SPH	1	-6.790	-19.010	73.050
ATOM	115	AU	SPH	1	-5.982	-18.665	74.346
ATOM	116	AU	SPH	1	-5.184	-17.942	75.484
ATOM	117	AU	SPH	1	-4.451	-16.892	76.386
ATOM	118	AU	SPH	1	-3.833	-15.586	76.990
ATOM	119	AU	SPH	1	-8.435	-10.686	67.050
ATOM	120	AU	SPH	1	-8.534	-12.184	66.604
ATOM	121	AU	SPH	1	-8.470	-13.747	66.528
ATOM	122	AU	SPH	1	-8.247	-15.269	66.825
ATOM	123	AU	SPH	1	-7.879	-16.645	67.477
ATOM	124	AU	SPH	1	-7.393	-17.782	68.438
ATOM	125	AU	SPH	1	-6.821	-18.602	69.643
ATOM	126	AU	SPH	1	-6.202	-19.050	71.011
ATOM	127	AU	SPH	1	-5.578	-19.095	72.447
ATOM	128	AU	SPH	1	-4.992	-18.734	73.854
ATOM	129	AU	SPH	1	-4.485	-17.991	75.136
ATOM	130	AU	SPH	1	-4.089	-16.917	76.206
ATOM	131	AU	SPH	1	-3.833	-15.586	76.990
ATOM	132	AU	SPH	1	-8.435	-10.686	67.050
ATOM	133	AU	SPH	1	-8.160	-12.113	66.466
ATOM	134	AU	SPH	1	-7.747	-13.610	66.260
ATOM	135	AU	SPH	1	-7.224	-15.074	66.447
ATOM	136	AU	SPH	1	-6.626	-16.407	67.014
ATOM	137	AU	SPH	1	-5.996	-17.516	67.922
ATOM	138	AU	SPH	1	-5.374	-18.327	69.109
ATOM	139	AU	SPH	1	-4.804	-18.784	70.495
ATOM	140	AU	SPH	1	-4.325	-18.857	71.984
ATOM	141	AU	SPH	1	-3.970	-18.539	73.476
ATOM	142	AU	SPH	1	-3.761	-17.853	74.869
ATOM	143	AU	SPH	1	-3.715	-16.846	76.067
ATOM	144	AU	SPH	1	-3.833	-15.586	76.990
ATOM	145	AU	SPH	1	-8.435	-10.686	67.050
ATOM	146	AU	SPH	1	-7.799	-11.950	66.379
ATOM	147	AU	SPH	1	-7.049	-13.295	66.093
ATOM	148	AU	SPH	1	-6.238	-14.630	66.210
ATOM	149	AU	SPH	1	-5.419	-15.862	66.723
ATOM	150	AU	SPH	1	-4.648	-16.909	67.598
ATOM	151	AU	SPH	1	-3.979	-17.698	68.773
ATOM	152	AU	SPH	1	-3.457	-18.177	70.170
ATOM	153	AU	SPH	1	-3.118	-18.312	71.693
ATOM	154	AU	SPH	1	-2.983	-18.095	73.239
ATOM	155	AU	SPH	1	-3.064	-17.539	74.701
ATOM	156	AU	SPH	1	-3.354	-16.683	75.980
ATOM	157	AU	SPH	1	-3.833	-15.586	76.990
ATOM	158	AU	SPH	1	-8.435	-10.686	67.050
ATOM	159	AU	SPH	1	-7.476	-11.707	66.349
ATOM	160	AU	SPH	1	-6.426	-12.826	66.035

ATOM	161	AU	SPH	1	-5.355	-13.965	66.129
ATOM	162	AU	SPH	1	-4.338	-15.048	66.624
ATOM	163	AU	SPH	1	-3.443	-16.001	67.487
ATOM	164	AU	SPH	1	-2.732	-16.759	68.659
ATOM	165	AU	SPH	1	-2.252	-17.269	70.060
ATOM	166	AU	SPH	1	-2.037	-17.498	71.594
ATOM	167	AU	SPH	1	-2.101	-17.430	73.158
ATOM	168	AU	SPH	1	-2.440	-17.069	74.644
ATOM	169	AU	SPH	1	-3.031	-16.440	75.951
ATOM	170	AU	SPH	1	-3.833	-15.586	76.990
ATOM	171	AU	SPH	1	-8.435	-10.686	67.050
ATOM	172	AU	SPH	1	-7.213	-11.400	66.379
ATOM	173	AU	SPH	1	-5.918	-12.232	66.093
ATOM	174	AU	SPH	1	-4.637	-13.126	66.210
ATOM	175	AU	SPH	1	-3.458	-14.021	66.723
ATOM	176	AU	SPH	1	-2.462	-14.855	67.598
ATOM	177	AU	SPH	1	-1.716	-15.572	68.773
ATOM	178	AU	SPH	1	-1.271	-16.123	70.170
ATOM	179	AU	SPH	1	-1.157	-16.471	71.693
ATOM	180	AU	SPH	1	-1.383	-16.591	73.239
ATOM	181	AU	SPH	1	-1.932	-16.476	74.701
ATOM	182	AU	SPH	1	-2.768	-16.133	75.980
ATOM	183	AU	SPH	1	-3.833	-15.586	76.990
ATOM	184	AU	SPH	1	-8.435	-10.686	67.050
ATOM	185	AU	SPH	1	-7.028	-11.050	66.466
ATOM	186	AU	SPH	1	-5.560	-11.556	66.260
ATOM	187	AU	SPH	1	-4.131	-12.170	66.447
ATOM	188	AU	SPH	1	-2.839	-12.849	67.014
ATOM	189	AU	SPH	1	-1.771	-13.549	67.922
ATOM	190	AU	SPH	1	-1.001	-14.220	69.109
ATOM	191	AU	SPH	1	-0.580	-14.817	70.495
ATOM	192	AU	SPH	1	-0.538	-15.299	71.984
ATOM	193	AU	SPH	1	-0.877	-15.635	73.476
ATOM	194	AU	SPH	1	-1.575	-15.800	74.869
ATOM	195	AU	SPH	1	-2.583	-15.783	76.067
ATOM	196	AU	SPH	1	-3.833	-15.586	76.990
ATOM	197	AU	SPH	1	-8.435	-10.686	67.050
ATOM	198	AU	SPH	1	-6.934	-10.681	66.604
ATOM	199	AU	SPH	1	-5.378	-10.843	66.528
ATOM	200	AU	SPH	1	-3.873	-11.161	66.825
ATOM	201	AU	SPH	1	-2.523	-11.614	67.477
ATOM	202	AU	SPH	1	-1.419	-12.171	68.438
ATOM	203	AU	SPH	1	-0.636	-12.793	69.643
ATOM	204	AU	SPH	1	-0.227	-13.439	71.011
ATOM	205	AU	SPH	1	-0.222	-14.064	72.447
ATOM	206	AU	SPH	1	-0.619	-14.626	73.854
ATOM	207	AU	SPH	1	-1.392	-15.086	75.136
ATOM	208	AU	SPH	1	-2.488	-15.414	76.206
ATOM	209	AU	SPH	1	-3.833	-15.586	76.990
ATOM	210	AU	SPH	1	-8.435	-10.686	67.050
ATOM	211	AU	SPH	1	-6.936	-10.318	66.784
ATOM	212	AU	SPH	1	-5.382	-10.141	66.876
ATOM	213	AU	SPH	1	-3.880	-10.169	67.317
ATOM	214	AU	SPH	1	-2.531	-10.399	68.080

ATOM	215	AU	SPH	1	-1.428	-10.816	69.110
ATOM	216	AU	SPH	1	-0.645	-11.390	70.339
ATOM	217	AU	SPH	1	-0.237	-12.084	71.683
ATOM	218	AU	SPH	1	-0.230	-12.849	73.050
ATOM	219	AU	SPH	1	-0.626	-13.634	74.346
ATOM	220	AU	SPH	1	-1.397	-14.385	75.484
ATOM	221	AU	SPH	1	-2.491	-15.051	76.386
ATOM	222	AU	SPH	1	-3.833	-15.586	76.990
ATOM	223	AU	SPH	1	-8.435	-10.686	67.050
ATOM	224	AU	SPH	1	-7.035	-9.985	66.994
ATOM	225	AU	SPH	1	-5.574	-9.499	67.281
ATOM	226	AU	SPH	1	-4.151	-9.261	67.891
ATOM	227	AU	SPH	1	-2.863	-9.287	68.782
ATOM	228	AU	SPH	1	-1.798	-9.575	69.893
ATOM	229	AU	SPH	1	-1.029	-10.106	71.150
ATOM	230	AU	SPH	1	-0.607	-10.843	72.466
ATOM	231	AU	SPH	1	-0.562	-11.737	73.752
ATOM	232	AU	SPH	1	-0.897	-12.726	74.919
ATOM	233	AU	SPH	1	-1.589	-13.743	75.889
ATOM	234	AU	SPH	1	-2.590	-14.718	76.595
ATOM	235	AU	SPH	1	-3.833	-15.586	76.990
ATOM	236	AU	SPH	1	-8.435	-10.686	67.050
ATOM	237	AU	SPH	1	-7.225	-9.706	67.219
ATOM	238	AU	SPH	1	-5.940	-8.961	67.716
ATOM	239	AU	SPH	1	-4.669	-8.499	68.506
ATOM	240	AU	SPH	1	-3.497	-8.354	69.535
ATOM	241	AU	SPH	1	-2.505	-8.534	70.734
ATOM	242	AU	SPH	1	-1.761	-9.029	72.020
ATOM	243	AU	SPH	1	-1.314	-9.803	73.306
ATOM	244	AU	SPH	1	-1.196	-10.804	74.505
ATOM	245	AU	SPH	1	-1.414	-11.964	75.534
ATOM	246	AU	SPH	1	-1.955	-13.204	76.324
ATOM	247	AU	SPH	1	-2.779	-14.439	76.821
ATOM	248	AU	SPH	1	-3.833	-15.586	76.990
ATOM	249	AU	SPH	1	-8.435	-10.686	67.050
ATOM	250	AU	SPH	1	-7.491	-9.500	67.445
ATOM	251	AU	SPH	1	-6.455	-8.562	68.151
ATOM	252	AU	SPH	1	-5.397	-7.935	69.121
ATOM	253	AU	SPH	1	-4.389	-7.663	70.288
ATOM	254	AU	SPH	1	-3.500	-7.764	71.574
ATOM	255	AU	SPH	1	-2.790	-8.231	72.890
ATOM	256	AU	SPH	1	-2.309	-9.032	74.147
ATOM	257	AU	SPH	1	-2.088	-10.113	75.258
ATOM	258	AU	SPH	1	-2.143	-11.400	76.149
ATOM	259	AU	SPH	1	-2.469	-12.805	76.759
ATOM	260	AU	SPH	1	-3.046	-14.233	77.046
ATOM	261	AU	SPH	1	-3.833	-15.586	76.990
ATOM	262	AU	SPH	1	-8.435	-10.686	67.050
ATOM	263	AU	SPH	1	-7.817	-9.380	67.654
ATOM	264	AU	SPH	1	-7.084	-8.330	68.556
ATOM	265	AU	SPH	1	-6.286	-7.607	69.694
ATOM	266	AU	SPH	1	-5.478	-7.262	70.990
ATOM	267	AU	SPH	1	-4.714	-7.316	72.357
ATOM	268	AU	SPH	1	-4.048	-7.767	73.701

ATOM	269	AU	SPH	1	-3.523	-8.585	74.930			
ATOM	270	AU	SPH	1	-3.177	-9.712	75.960			
ATOM	271	AU	SPH	1	-3.032	-11.072	76.723			
ATOM	272	AU	SPH	1	-3.098	-12.573	77.164			
ATOM	273	AU	SPH	1	-3.371	-14.113	77.256			
ATOM	274	AU	SPH	1	-3.833	-15.586	76.990			
ATOM	275	AU	SPH	1	-8.435	-10.686	67.050			
ATOM	276	AU	SPH	1	-8.179	-9.355	67.834			
ATOM	277	AU	SPH	1	-7.783	-8.281	68.904			
ATOM	278	AU	SPH	1	-7.276	-7.538	70.186			
ATOM	279	AU	SPH	1	-6.690	-7.177	71.593			
ATOM	280	AU	SPH	1	-6.066	-7.222	73.029			
ATOM	281	AU	SPH	1	-5.447	-7.670	74.397			
ATOM	282	AU	SPH	1	-4.875	-8.490	75.602			
ATOM	283	AU	SPH	1	-4.389	-9.627	76.563			
ATOM	284	AU	SPH	1	-4.021	-11.003	77.215			
ATOM	285	AU	SPH	1	-3.798	-12.525	77.512			
ATOM	286	AU	SPH	1	-3.734	-14.088	77.436			
ATOM	287	AU	SPH	1	-3.833	-15.586	76.990			
ATOM	288	AU	SPH	1	-8.435	-10.686	67.050			
ATOM	289	AU	SPH	1	-8.553	-9.426	67.973			
ATOM	290	AU	SPH	1	-8.507	-8.419	69.171			
ATOM	291	AU	SPH	1	-8.298	-7.733	70.564			
ATOM	292	AU	SPH	1	-7.943	-7.415	72.056			
ATOM	293	AU	SPH	1	-7.464	-7.488	73.545			
ATOM	294	AU	SPH	1	-6.894	-7.945	74.931			
ATOM	295	AU	SPH	1	-6.272	-8.756	76.118			
ATOM	296	AU	SPH	1	-5.642	-9.865	77.026			
ATOM	297	AU	SPH	1	-5.044	-11.198	77.593			
ATOM	298	AU	SPH	1	-4.521	-12.662	77.780			
ATOM	299	AU	SPH	1	-4.108	-14.159	77.574			
ATOM	300	AU	SPH	1	-3.833	-15.586	76.990			
ATOM	301	AU	SPH	1	-8.435	-10.686	67.050			
ATOM	302	AU	SPH	1	-8.914	-9.589	68.060			
ATOM	303	AU	SPH	1	-9.204	-8.733	69.339			
ATOM	304	AU	SPH	1	-9.285	-8.177	70.801			
ATOM	305	AU	SPH	1	-9.150	-7.960	72.347			
ATOM	306	AU	SPH	1	-8.811	-8.095	73.870			
ATOM	307	AU	SPH	1	-8.289	-8.574	75.267			
ATOM	308	AU	SPH	1	-7.620	-9.363	76.442			
ATOM	309	AU	SPH	1	-6.849	-10.410	77.317			
ATOM	310	AU	SPH	1	-6.030	-11.642	77.830			
ATOM	311	AU	SPH	1	-5.219	-12.977	77.947			
ATOM	312	AU	SPH	1	-4.469	-14.322	77.661			
ATOM	313	AU	SPH	1	-3.833	-15.586	76.990			
TER										
ATOM	1	C1'	A A	1	2.250	-5.432	-0.471	1.00	0.00	C
ATOM	2	N1	A A	1	0.711	-0.555	-0.047	1.00	0.00	N
ATOM	3	C2	A A	1	1.916	-1.116	-0.092	1.00	0.00	C
ATOM	4	N3	A A	1	2.243	-2.386	-0.206	1.00	0.00	N
ATOM	5	C4	A A	1	1.137	-3.148	-0.274	1.00	0.00	C
ATOM	6	C5	A A	1	-0.164	-2.730	-0.240	1.00	0.00	C
ATOM	7	C6	A A	1	-0.374	-1.340	-0.118	1.00	0.00	C
ATOM	8	N6	A A	1	-1.597	-0.784	-0.072	1.00	0.00	N

ATOM	9	N7	A A	1	-1.035	-3.801	-0.335	1.00	0.00	N
ATOM	10	C8	A A	1	-0.250	-4.834	-0.421	1.00	0.00	C
ATOM	11	N9	A A	1	1.082	-4.515	-0.392	1.00	0.00	N
ATOM	12	C2'	A A	1	2.047	-6.749	0.266	1.00	0.00	C
ATOM	13	C3'	A A	1	2.791	-7.729	-0.627	1.00	0.00	C
ATOM	14	O3'	A A	1	4.175	-7.716	-0.286	1.00	0.00	O
ATOM	15	C4'	A A	1	2.536	-7.175	-2.028	1.00	0.00	C
ATOM	16	O4'	A A	1	2.477	-5.725	-1.836	1.00	0.00	O
ATOM	17	C5'	A A	1	1.264	-7.625	-2.706	1.00	0.00	C
ATOM	18	O5'	A A	1	0.202	-7.749	-1.726	1.00	0.00	O
ATOM	19	H2	A A	1	2.755	-0.424	-0.026	1.00	0.00	H
ATOM	20	H8	A A	1	-0.617	-5.857	-0.509	1.00	0.00	H
ATOM	21	H1'	A A	1	3.125	-4.903	-0.092	1.00	0.00	H
ATOM	22	H3'	A A	1	2.405	-8.745	-0.530	1.00	0.00	H
ATOM	23	H4'	A A	1	3.374	-7.489	-2.649	1.00	0.00	H
ATOM	24	H61	A A	1	-1.695	0.235	0.016	1.00	0.00	H
ATOM	25	H62	A A	1	-2.434	-1.382	-0.126	1.00	0.00	H
ATOM	26	H5T	A A	1	-0.457	-8.436	-1.844	1.00	0.00	H
ATOM	27	H2'1	A A	1	0.995	-7.015	0.356	1.00	0.00	H
ATOM	28	H2'2	A A	1	2.469	-6.730	1.271	1.00	0.00	H
ATOM	29	H5'1	A A	1	0.983	-6.892	-3.462	1.00	0.00	H
ATOM	30	H5'2	A A	1	1.435	-8.587	-3.186	1.00	0.00	H
ATOM	31	C1'	G A	2	4.998	-3.052	2.911	1.00	0.00	C
ATOM	32	N1	G A	2	0.895	-0.052	3.332	1.00	0.00	N
ATOM	33	C2	G A	2	2.235	0.281	3.290	1.00	0.00	C
ATOM	34	N2	G A	2	2.522	1.585	3.373	1.00	0.00	N
ATOM	35	N3	G A	2	3.213	-0.616	3.174	1.00	0.00	N
ATOM	36	C4	G A	2	2.741	-1.889	3.109	1.00	0.00	C
ATOM	37	C5	G A	2	1.423	-2.315	3.146	1.00	0.00	C
ATOM	38	C6	G A	2	0.385	-1.361	3.265	1.00	0.00	C
ATOM	39	O6	G A	2	-0.832	-1.541	3.312	1.00	0.00	O
ATOM	40	N7	G A	2	1.363	-3.707	3.053	1.00	0.00	N
ATOM	41	C8	G A	2	2.616	-4.072	2.961	1.00	0.00	C
ATOM	42	N9	G A	2	3.513	-3.024	2.989	1.00	0.00	N
ATOM	43	C2'	G A	2	5.630	-4.225	3.648	1.00	0.00	C
ATOM	44	C3'	G A	2	6.813	-4.562	2.756	1.00	0.00	C
ATOM	45	O3'	G A	2	7.911	-3.718	3.096	1.00	0.00	O
ATOM	46	C4'	G A	2	6.275	-4.273	1.355	1.00	0.00	C
ATOM	47	O4'	G A	2	5.357	-3.151	1.546	1.00	0.00	O
ATOM	48	C5'	G A	2	5.530	-5.399	0.678	1.00	0.00	C
ATOM	49	O5'	G A	2	4.757	-6.135	1.658	1.00	0.00	O
ATOM	50	O1P	G A	2	5.854	-8.400	1.682	1.00	0.00	O
ATOM	51	O2P	G A	2	3.432	-8.173	2.293	1.00	0.00	O
ATOM	52	P	G A	2	4.570	-7.707	1.464	1.00	0.00	P
ATOM	53	H1	G A	2	0.217	0.719	3.420	1.00	0.00	H
ATOM	54	H8	G A	2	2.925	-5.113	2.871	1.00	0.00	H
ATOM	55	H1'	G A	2	5.378	-2.103	3.290	1.00	0.00	H
ATOM	56	H21	G A	2	1.761	2.274	3.461	1.00	0.00	H
ATOM	57	H3'	G A	2	7.115	-5.605	2.854	1.00	0.00	H
ATOM	58	H22	G A	2	3.503	1.898	3.349	1.00	0.00	H
ATOM	59	H4'	G A	2	7.133	-4.020	0.733	1.00	0.00	H
ATOM	60	H2'1	G A	2	4.948	-5.071	3.739	1.00	0.00	H
ATOM	61	H2'2	G A	2	5.954	-3.956	4.654	1.00	0.00	H
ATOM	62	H5'1	G A	2	4.865	-4.983	-0.079	1.00	0.00	H

ATOM	63	H5'2	G A	2	6.247	-6.064	0.197	1.00	0.00	H
ATOM	64	C1'	G A	3	5.838	0.469	6.291	1.00	0.00	C
ATOM	65	N1	G A	3	0.755	0.484	6.712	1.00	0.00	N
ATOM	66	C2	G A	3	1.644	1.541	6.670	1.00	0.00	C
ATOM	67	N2	G A	3	1.109	2.766	6.754	1.00	0.00	N
ATOM	68	N3	G A	3	2.961	1.390	6.554	1.00	0.00	N
ATOM	69	C4	G A	3	3.328	0.083	6.489	1.00	0.00	C
ATOM	70	C5	G A	3	2.512	-1.036	6.526	1.00	0.00	C
ATOM	71	C6	G A	3	1.112	-0.875	6.645	1.00	0.00	C
ATOM	72	O6	G A	3	0.233	-1.736	6.693	1.00	0.00	O
ATOM	73	N7	G A	3	3.281	-2.197	6.433	1.00	0.00	N
ATOM	74	C8	G A	3	4.509	-1.757	6.341	1.00	0.00	C
ATOM	75	N9	G A	3	4.619	-0.382	6.369	1.00	0.00	N
ATOM	76	C2'	G A	3	7.038	-0.109	7.028	1.00	0.00	C
ATOM	77	C3'	G A	3	8.193	0.314	6.136	1.00	0.00	C
ATOM	78	O3'	G A	3	8.585	1.642	6.476	1.00	0.00	O
ATOM	79	C4'	G A	3	7.589	0.232	4.735	1.00	0.00	C
ATOM	80	O4'	G A	3	6.186	0.600	4.926	1.00	0.00	O
ATOM	81	C5'	G A	3	7.647	-1.117	4.058	1.00	0.00	C
ATOM	82	O5'	G A	3	7.455	-2.167	5.038	1.00	0.00	O
ATOM	83	O1P	G A	3	9.674	-3.355	5.062	1.00	0.00	O
ATOM	84	O2P	G A	3	7.581	-4.595	5.673	1.00	0.00	O
ATOM	85	P	G A	3	8.228	-3.549	4.844	1.00	0.00	P
ATOM	86	H1	G A	3	-0.248	0.710	6.799	1.00	0.00	H
ATOM	87	H8	G A	3	5.371	-2.417	6.251	1.00	0.00	H
ATOM	88	H1'	G A	3	5.587	1.460	6.670	1.00	0.00	H
ATOM	89	H21	G A	3	0.088	2.876	6.841	1.00	0.00	H
ATOM	90	H3'	G A	3	9.051	-0.352	6.234	1.00	0.00	H
ATOM	91	H22	G A	3	1.718	3.595	6.731	1.00	0.00	H
ATOM	92	H4'	G A	3	8.134	0.941	4.113	1.00	0.00	H
ATOM	93	H2'1	G A	3	6.984	-1.194	7.119	1.00	0.00	H
ATOM	94	H2'2	G A	3	7.142	0.299	8.034	1.00	0.00	H
ATOM	95	H5'1	G A	3	6.865	-1.171	3.301	1.00	0.00	H
ATOM	96	H5'2	G A	3	8.618	-1.234	3.577	1.00	0.00	H
ATOM	97	C1'	C A	4	4.447	3.812	9.671	1.00	0.00	C
ATOM	98	N1	C A	4	3.955	2.408	9.749	1.00	0.00	N
ATOM	99	C2	C A	4	2.582	2.205	9.867	1.00	0.00	C
ATOM	100	O2	C A	4	1.833	3.189	9.903	1.00	0.00	O
ATOM	101	N3	C A	4	2.115	0.935	9.939	1.00	0.00	N
ATOM	102	C4	C A	4	2.951	-0.110	9.899	1.00	0.00	C
ATOM	103	N4	C A	4	2.439	-1.330	9.970	1.00	0.00	N
ATOM	104	C5	C A	4	4.367	0.071	9.780	1.00	0.00	C
ATOM	105	C6	C A	4	4.816	1.357	9.706	1.00	0.00	C
ATOM	106	C2'	C A	4	5.756	4.045	10.412	1.00	0.00	C
ATOM	107	C3'	C A	4	6.449	5.064	9.519	1.00	0.00	C
ATOM	108	O3'	C A	4	5.989	6.371	9.857	1.00	0.00	O
ATOM	109	C4'	C A	4	6.011	4.642	8.119	1.00	0.00	C
ATOM	110	O4'	C A	4	4.657	4.119	8.305	1.00	0.00	O
ATOM	111	C5'	C A	4	6.849	3.581	7.445	1.00	0.00	C
ATOM	112	O5'	C A	4	7.305	2.618	8.429	1.00	0.00	O
ATOM	113	O1P	C A	4	9.799	2.952	8.460	1.00	0.00	O
ATOM	114	O2P	C A	4	8.825	0.722	9.071	1.00	0.00	O
ATOM	115	P	C A	4	8.740	1.948	8.240	1.00	0.00	P
ATOM	116	H5	C A	4	5.052	-0.777	9.752	1.00	0.00	H

ATOM	117	H6	C A	4	5.885	1.545	9.610	1.00	0.00	H
ATOM	118	H1'	C A	4	3.663	4.468	10.046	1.00	0.00	H
ATOM	119	H3'	C A	4	7.533	5.025	9.622	1.00	0.00	H
ATOM	120	H4'	C A	4	6.041	5.535	7.495	1.00	0.00	H
ATOM	121	H41	C A	4	3.060	-2.152	9.940	1.00	0.00	H
ATOM	122	H42	C A	4	1.420	-1.458	10.057	1.00	0.00	H
ATOM	123	H2'1	C A	4	6.347	3.135	10.506	1.00	0.00	H
ATOM	124	H2'2	C A	4	5.598	4.439	11.417	1.00	0.00	H
ATOM	125	H5'1	C A	4	6.249	3.077	6.687	1.00	0.00	H
ATOM	126	H5'2	C A	4	7.707	4.053	6.967	1.00	0.00	H
ATOM	127	C1'	C A	5	1.358	5.698	13.051	1.00	0.00	C
ATOM	128	N1	C A	5	1.785	4.274	13.129	1.00	0.00	N
ATOM	129	C2	C A	5	0.794	3.302	13.247	1.00	0.00	C
ATOM	130	O2	C A	5	-0.392	3.657	13.283	1.00	0.00	O
ATOM	131	N3	C A	5	1.162	1.999	13.319	1.00	0.00	N
ATOM	132	C4	C A	5	2.452	1.645	13.279	1.00	0.00	C
ATOM	133	N4	C A	5	2.755	0.358	13.350	1.00	0.00	N
ATOM	134	C5	C A	5	3.492	2.624	13.160	1.00	0.00	C
ATOM	135	C6	C A	5	3.098	3.928	13.086	1.00	0.00	C
ATOM	136	C2'	C A	5	2.280	6.656	13.792	1.00	0.00	C
ATOM	137	C3'	C A	5	2.241	7.887	12.899	1.00	0.00	C
ATOM	138	O3'	C A	5	1.101	8.674	13.237	1.00	0.00	O
ATOM	139	C4'	C A	5	2.135	7.288	11.499	1.00	0.00	C
ATOM	140	O4'	C A	5	1.347	6.070	11.685	1.00	0.00	O
ATOM	141	C5'	C A	5	3.437	6.923	10.825	1.00	0.00	C
ATOM	142	O5'	C A	5	4.372	6.411	11.809	1.00	0.00	O
ATOM	143	O1P	C A	5	6.193	8.148	11.840	1.00	0.00	O
ATOM	144	O2P	C A	5	6.715	5.771	12.451	1.00	0.00	O
ATOM	145	P	C A	5	5.926	6.713	11.620	1.00	0.00	P
ATOM	146	H5	C A	5	4.545	2.341	13.132	1.00	0.00	H
ATOM	147	H6	C A	5	3.853	4.709	12.990	1.00	0.00	H
ATOM	148	H1'	C A	5	0.337	5.768	13.426	1.00	0.00	H
ATOM	149	H3'	C A	5	3.141	8.494	13.002	1.00	0.00	H
ATOM	150	H4'	C A	5	1.635	8.029	10.875	1.00	0.00	H
ATOM	151	H41	C A	5	3.740	0.058	13.320	1.00	0.00	H
ATOM	152	H42	C A	5	2.005	-0.344	13.437	1.00	0.00	H
ATOM	153	H2'1	C A	5	3.293	6.267	13.886	1.00	0.00	H
ATOM	154	H2'2	C A	5	1.920	6.882	14.797	1.00	0.00	H
ATOM	155	H5'1	C A	5	3.247	6.162	10.067	1.00	0.00	H
ATOM	156	H5'2	C A	5	3.853	7.809	10.347	1.00	0.00	H
ATOM	157	C1'	G A	6	-2.250	5.407	16.431	1.00	0.00	C
ATOM	158	N1	G A	6	-0.693	0.567	16.851	1.00	0.00	N
ATOM	159	C2	G A	6	-1.975	1.087	16.810	1.00	0.00	C
ATOM	160	N2	G A	6	-2.974	0.201	16.895	1.00	0.00	N
ATOM	161	N3	G A	6	-2.237	2.388	16.694	1.00	0.00	N
ATOM	162	C4	G A	6	-1.107	3.139	16.629	1.00	0.00	C
ATOM	163	C5	G A	6	0.209	2.709	16.666	1.00	0.00	C
ATOM	164	C6	G A	6	0.489	1.329	16.785	1.00	0.00	C
ATOM	165	O6	G A	6	1.579	0.759	16.835	1.00	0.00	O
ATOM	166	N7	G A	6	1.076	3.799	16.573	1.00	0.00	N
ATOM	167	C8	G A	6	0.278	4.831	16.481	1.00	0.00	C
ATOM	168	N9	G A	6	-1.064	4.511	16.509	1.00	0.00	N
ATOM	169	C2'	G A	6	-2.071	6.727	17.168	1.00	0.00	C
ATOM	170	C3'	G A	6	-2.831	7.695	16.276	1.00	0.00	C

ATOM	171	O3'	G A	6	-4.215	7.658	16.616	1.00	0.00	O
ATOM	172	C4'	G A	6	-2.565	7.146	14.875	1.00	0.00	C
ATOM	173	O4'	G A	6	-2.482	5.698	15.066	1.00	0.00	O
ATOM	174	C5'	G A	6	-1.301	7.618	14.198	1.00	0.00	C
ATOM	175	O5'	G A	6	-0.242	7.760	15.178	1.00	0.00	O
ATOM	176	O1P	G A	6	0.201	10.237	15.202	1.00	0.00	O
ATOM	177	O2P	G A	6	2.028	8.630	15.813	1.00	0.00	O
ATOM	178	P	G A	6	0.833	8.922	14.984	1.00	0.00	P
ATOM	179	H1	G A	6	-0.598	-0.457	16.936	1.00	0.00	H
ATOM	180	H8	G A	6	0.639	5.856	16.391	1.00	0.00	H
ATOM	181	H1'	G A	6	-3.115	4.862	16.810	1.00	0.00	H
ATOM	182	H21	G A	6	-2.764	-0.804	16.981	1.00	0.00	H
ATOM	183	H3'	G A	6	-2.463	8.717	16.374	1.00	0.00	H
ATOM	184	H22	G A	6	-3.952	0.524	16.873	1.00	0.00	H
ATOM	185	H4'	G A	6	-3.408	7.445	14.253	1.00	0.00	H
ATOM	186	H2'1	G A	6	-1.022	7.011	17.259	1.00	0.00	H
ATOM	187	H2'2	G A	6	-2.491	6.700	18.174	1.00	0.00	H
ATOM	188	H5'1	G A	6	-1.007	6.892	13.441	1.00	0.00	H
ATOM	189	H5'2	G A	6	-1.489	8.578	13.717	1.00	0.00	H
ATOM	190	C1'	C A	7	-4.999	3.052	19.811	1.00	0.00	C
ATOM	191	N1	C A	7	-3.513	3.018	19.889	1.00	0.00	N
ATOM	192	C2	C A	7	-2.895	1.775	20.007	1.00	0.00	C
ATOM	193	O2	C A	7	-3.599	0.758	20.043	1.00	0.00	O
ATOM	194	N3	C A	7	-1.542	1.722	20.079	1.00	0.00	N
ATOM	195	C4	C A	7	-0.806	2.840	20.039	1.00	0.00	C
ATOM	196	N4	C A	7	0.512	2.730	20.110	1.00	0.00	N
ATOM	197	C5	C A	7	-1.415	4.133	19.922	1.00	0.00	C
ATOM	198	C6	C A	7	-2.779	4.162	19.846	1.00	0.00	C
ATOM	199	C2'	C A	7	-5.626	4.225	20.552	1.00	0.00	C
ATOM	200	C3'	C A	7	-6.809	4.568	19.659	1.00	0.00	C
ATOM	201	O3'	C A	7	-7.910	3.727	19.997	1.00	0.00	O
ATOM	202	C4'	C A	7	-6.272	4.282	18.259	1.00	0.00	C
ATOM	203	O4'	C A	7	-5.356	3.156	18.445	1.00	0.00	O
ATOM	204	C5'	C A	7	-5.521	5.408	17.585	1.00	0.00	C
ATOM	205	O5'	C A	7	-4.747	6.139	18.569	1.00	0.00	O
ATOM	206	O1P	C A	7	-5.836	8.408	18.600	1.00	0.00	O
ATOM	207	O2P	C A	7	-3.414	8.169	19.211	1.00	0.00	O
ATOM	208	P	C A	7	-4.553	7.710	18.380	1.00	0.00	P
ATOM	209	H5	C A	7	-0.821	5.047	19.895	1.00	0.00	H
ATOM	210	H6	C A	7	-3.288	5.121	19.748	1.00	0.00	H
ATOM	211	H1'	C A	7	-5.382	2.103	20.186	1.00	0.00	H
ATOM	212	H3'	C A	7	-7.107	5.612	19.762	1.00	0.00	H
ATOM	213	H4'	C A	7	-7.131	4.035	17.635	1.00	0.00	H
ATOM	214	H41	C A	7	1.102	3.574	20.079	1.00	0.00	H
ATOM	215	H42	C A	7	0.949	1.801	20.197	1.00	0.00	H
ATOM	216	H2'1	C A	7	-4.943	5.068	20.646	1.00	0.00	H
ATOM	217	H2'2	C A	7	-5.952	3.953	21.557	1.00	0.00	H
ATOM	218	H5'1	C A	7	-4.856	4.992	16.827	1.00	0.00	H
ATOM	219	H5'2	C A	7	-6.235	6.078	17.107	1.00	0.00	H
ATOM	220	C1'	A A	8	-5.862	-0.462	23.189	1.00	0.00	C
ATOM	221	N1	A A	8	-0.747	-0.505	23.614	1.00	0.00	N
ATOM	222	C2	A A	8	-1.653	-1.477	23.568	1.00	0.00	C
ATOM	223	N3	A A	8	-2.962	-1.397	23.454	1.00	0.00	N
ATOM	224	C4	A A	8	-3.344	-0.108	23.386	1.00	0.00	C

ATOM	225	C5	A A	8	-2.545	1.000	23.420	1.00	0.00	C
ATOM	226	C6	A A	8	-1.159	0.770	23.542	1.00	0.00	C
ATOM	227	N6	A A	8	-0.252	1.761	23.588	1.00	0.00	N
ATOM	228	N7	A A	8	-3.294	2.160	23.324	1.00	0.00	N
ATOM	229	C8	A A	8	-4.520	1.733	23.239	1.00	0.00	C
ATOM	230	N9	A A	8	-4.628	0.366	23.268	1.00	0.00	N
ATOM	231	C2'	A A	8	-7.052	0.138	23.926	1.00	0.00	C
ATOM	232	C3'	A A	8	-8.214	-0.266	23.033	1.00	0.00	C
ATOM	233	O3'	A A	8	-8.628	-1.586	23.374	1.00	0.00	O
ATOM	234	C4'	A A	8	-7.608	-0.195	21.632	1.00	0.00	C
ATOM	235	O4'	A A	8	-6.210	-0.587	21.824	1.00	0.00	O
ATOM	236	C5'	A A	8	-7.644	1.154	20.954	1.00	0.00	C
ATOM	237	O5'	A A	8	-7.432	2.202	21.934	1.00	0.00	O
ATOM	238	O1P	A A	8	-9.631	3.428	21.957	1.00	0.00	O
ATOM	239	O2P	A A	8	-7.515	4.632	22.568	1.00	0.00	O
ATOM	240	P	A A	8	-8.181	3.597	21.739	1.00	0.00	P
ATOM	241	H2	A A	8	-1.254	-2.488	23.634	1.00	0.00	H
ATOM	242	H8	A A	8	-5.380	2.397	23.153	1.00	0.00	H
ATOM	243	H1'	A A	8	-5.629	-1.457	23.568	1.00	0.00	H
ATOM	244	H3'	A A	8	-9.060	0.414	23.130	1.00	0.00	H
ATOM	245	H4'	A A	8	-8.165	-0.895	21.011	1.00	0.00	H
ATOM	246	H61	A A	8	0.749	1.539	23.675	1.00	0.00	H
ATOM	247	H62	A A	8	-0.561	2.743	23.536	1.00	0.00	H
ATOM	248	H2'1	A A	8	-6.979	1.221	24.016	1.00	0.00	H
ATOM	249	H2'2	A A	8	-7.163	-0.269	24.931	1.00	0.00	H
ATOM	250	H5'1	A A	8	-6.859	1.194	20.198	1.00	0.00	H
ATOM	251	H5'2	A A	8	-8.612	1.289	20.474	1.00	0.00	H
ATOM	252	C1'	C A	9	-4.447	-3.812	26.571	1.00	0.00	C
ATOM	253	N1	C A	9	-3.955	-2.409	26.649	1.00	0.00	N
ATOM	254	C2	C A	9	-2.582	-2.204	26.767	1.00	0.00	C
ATOM	255	O2	C A	9	-1.833	-3.189	26.803	1.00	0.00	O
ATOM	256	N3	C A	9	-2.114	-0.935	26.839	1.00	0.00	N
ATOM	257	C4	C A	9	-2.950	0.111	26.799	1.00	0.00	C
ATOM	258	N4	C A	9	-2.438	1.331	26.870	1.00	0.00	N
ATOM	259	C5	C A	9	-4.368	-0.069	26.682	1.00	0.00	C
ATOM	260	C6	C A	9	-4.817	-1.357	26.606	1.00	0.00	C
ATOM	261	C2'	C A	9	-5.756	-4.045	27.312	1.00	0.00	C
ATOM	262	C3'	C A	9	-6.449	-5.064	26.419	1.00	0.00	C
ATOM	263	O3'	C A	9	-5.989	-6.371	26.757	1.00	0.00	O
ATOM	264	C4'	C A	9	-6.011	-4.642	25.019	1.00	0.00	C
ATOM	265	O4'	C A	9	-4.657	-4.119	25.205	1.00	0.00	O
ATOM	266	C5'	C A	9	-6.849	-3.581	24.345	1.00	0.00	C
ATOM	267	O5'	C A	9	-7.305	-2.618	25.329	1.00	0.00	O
ATOM	268	O1P	C A	9	-9.799	-2.952	25.360	1.00	0.00	O
ATOM	269	O2P	C A	9	-8.825	-0.722	25.971	1.00	0.00	O
ATOM	270	P	C A	9	-8.740	-1.948	25.140	1.00	0.00	P
ATOM	271	H5	C A	9	-5.053	0.779	26.655	1.00	0.00	H
ATOM	272	H6	C A	9	-5.886	-1.545	26.508	1.00	0.00	H
ATOM	273	H1'	C A	9	-3.663	-4.469	26.946	1.00	0.00	H
ATOM	274	H3'	C A	9	-7.533	-5.025	26.522	1.00	0.00	H
ATOM	275	H4'	C A	9	-6.041	-5.535	24.395	1.00	0.00	H
ATOM	276	H41	C A	9	-3.059	2.153	26.839	1.00	0.00	H
ATOM	277	H42	C A	9	-1.419	1.458	26.957	1.00	0.00	H
ATOM	278	H2'1	C A	9	-6.347	-3.135	27.406	1.00	0.00	H

ATOM	279	H2'2	C	A	9	-5.598	-4.439	28.317	1.00	0.00	H
ATOM	280	H5'1	C	A	9	-6.249	-3.077	23.587	1.00	0.00	H
ATOM	281	H5'2	C	A	9	-7.707	-4.053	23.867	1.00	0.00	H
ATOM	282	C1'	C	A	10	-1.358	-5.698	29.951	1.00	0.00	C
ATOM	283	N1	C	A	10	-1.785	-4.274	30.029	1.00	0.00	N
ATOM	284	C2	C	A	10	-0.794	-3.302	30.147	1.00	0.00	C
ATOM	285	O2	C	A	10	0.392	-3.657	30.183	1.00	0.00	O
ATOM	286	N3	C	A	10	-1.161	-1.999	30.219	1.00	0.00	N
ATOM	287	C4	C	A	10	-2.452	-1.644	30.179	1.00	0.00	C
ATOM	288	N4	C	A	10	-2.755	-0.356	30.250	1.00	0.00	N
ATOM	289	C5	C	A	10	-3.493	-2.623	30.062	1.00	0.00	C
ATOM	290	C6	C	A	10	-3.099	-3.929	29.986	1.00	0.00	C
ATOM	291	C2'	C	A	10	-2.280	-6.656	30.692	1.00	0.00	C
ATOM	292	C3'	C	A	10	-2.241	-7.887	29.799	1.00	0.00	C
ATOM	293	O3'	C	A	10	-1.101	-8.674	30.137	1.00	0.00	O
ATOM	294	C4'	C	A	10	-2.135	-7.288	28.399	1.00	0.00	C
ATOM	295	O4'	C	A	10	-1.347	-6.070	28.585	1.00	0.00	O
ATOM	296	C5'	C	A	10	-3.437	-6.922	27.725	1.00	0.00	C
ATOM	297	O5'	C	A	10	-4.372	-6.411	28.709	1.00	0.00	O
ATOM	298	O1P	C	A	10	-6.193	-8.148	28.740	1.00	0.00	O
ATOM	299	O2P	C	A	10	-6.715	-5.771	29.351	1.00	0.00	O
ATOM	300	P	C	A	10	-5.926	-6.713	28.520	1.00	0.00	P
ATOM	301	H5	C	A	10	-4.546	-2.340	30.035	1.00	0.00	H
ATOM	302	H6	C	A	10	-3.854	-4.709	29.888	1.00	0.00	H
ATOM	303	H1'	C	A	10	-0.337	-5.769	30.326	1.00	0.00	H
ATOM	304	H3'	C	A	10	-3.141	-8.494	29.902	1.00	0.00	H
ATOM	305	H4'	C	A	10	-1.635	-8.029	27.775	1.00	0.00	H
ATOM	306	H41	C	A	10	-3.740	-0.056	30.219	1.00	0.00	H
ATOM	307	H42	C	A	10	-2.005	0.345	30.337	1.00	0.00	H
ATOM	308	H2'1	C	A	10	-3.293	-6.267	30.786	1.00	0.00	H
ATOM	309	H2'2	C	A	10	-1.920	-6.882	31.697	1.00	0.00	H
ATOM	310	H5'1	C	A	10	-3.247	-6.161	26.967	1.00	0.00	H
ATOM	311	H5'2	C	A	10	-3.853	-7.808	27.247	1.00	0.00	H
ATOM	312	C1'	T	A	11	2.250	-5.431	33.329	1.00	0.00	C
ATOM	313	N1	T	A	11	1.083	-4.513	33.410	1.00	0.00	N
ATOM	314	C2	T	A	11	1.350	-3.164	33.529	1.00	0.00	C
ATOM	315	O2	T	A	11	2.483	-2.716	33.569	1.00	0.00	O
ATOM	316	N3	T	A	11	0.237	-2.346	33.600	1.00	0.00	N
ATOM	317	C4	T	A	11	-1.082	-2.750	33.567	1.00	0.00	C
ATOM	318	O4	T	A	11	-1.999	-1.922	33.642	1.00	0.00	O
ATOM	319	C5	T	A	11	-1.261	-4.177	33.441	1.00	0.00	C
ATOM	320	C6	T	A	11	-0.199	-5.003	33.368	1.00	0.00	C
ATOM	321	C7	T	A	11	-2.680	-4.660	33.398	1.00	0.00	C
ATOM	322	C2'	T	A	11	2.048	-6.748	34.068	1.00	0.00	C
ATOM	323	C3'	T	A	11	2.787	-7.731	33.174	1.00	0.00	C
ATOM	324	O3'	T	A	11	4.173	-7.720	33.510	1.00	0.00	O
ATOM	325	C4'	T	A	11	2.528	-7.178	31.775	1.00	0.00	C
ATOM	326	O4'	T	A	11	2.473	-5.728	31.964	1.00	0.00	O
ATOM	327	C5'	T	A	11	1.252	-7.626	31.100	1.00	0.00	C
ATOM	328	O5'	T	A	11	0.195	-7.747	32.084	1.00	0.00	O
ATOM	329	O1P	T	A	11	-0.296	-10.215	32.112	1.00	0.00	O
ATOM	330	O2P	T	A	11	-2.090	-8.573	32.727	1.00	0.00	O
ATOM	331	P	T	A	11	-0.903	-8.888	31.895	1.00	0.00	P
ATOM	332	H3	T	A	11	0.409	-1.335	33.685	1.00	0.00	H

ATOM	333	H6	T A	11	-0.359	-6.078	33.273	1.00	0.00	H
ATOM	334	H1'	T A	11	3.127	-4.904	33.705	1.00	0.00	H
ATOM	335	H3'	T A	11	2.400	-8.744	33.275	1.00	0.00	H
ATOM	336	H4'	T A	11	3.364	-7.494	31.149	1.00	0.00	H
ATOM	337	H71	T A	11	-2.887	-5.259	34.285	1.00	0.00	H
ATOM	338	H72	T A	11	-3.355	-3.804	33.373	1.00	0.00	H
ATOM	339	H73	T A	11	-2.832	-5.268	32.506	1.00	0.00	H
ATOM	340	H2'1	T A	11	0.996	-7.011	34.162	1.00	0.00	H
ATOM	341	H2'2	T A	11	2.472	-6.728	35.073	1.00	0.00	H
ATOM	342	H5'1	T A	11	0.970	-6.894	30.344	1.00	0.00	H
ATOM	343	H5'2	T A	11	1.421	-8.590	30.621	1.00	0.00	H
ATOM	344	C1'	A A	12	5.014	-3.071	36.709	1.00	0.00	C
ATOM	345	N1	A A	12	0.901	-0.030	37.133	1.00	0.00	N
ATOM	346	C2	A A	12	2.205	0.223	37.088	1.00	0.00	C
ATOM	347	N3	A A	12	3.217	-0.612	36.974	1.00	0.00	N
ATOM	348	C4	A A	12	2.769	-1.878	36.906	1.00	0.00	C
ATOM	349	C5	A A	12	1.472	-2.305	36.940	1.00	0.00	C
ATOM	350	C6	A A	12	0.485	-1.304	37.062	1.00	0.00	C
ATOM	351	N6	A A	12	-0.831	-1.573	37.108	1.00	0.00	N
ATOM	352	N7	A A	12	1.396	-3.683	36.844	1.00	0.00	N
ATOM	353	C8	A A	12	2.638	-4.059	36.759	1.00	0.00	C
ATOM	354	N9	A A	12	3.529	-3.016	36.788	1.00	0.00	N
ATOM	355	C2'	A A	12	5.623	-4.256	37.446	1.00	0.00	C
ATOM	356	C3'	A A	12	6.801	-4.613	36.553	1.00	0.00	C
ATOM	357	O3'	A A	12	7.913	-3.788	36.894	1.00	0.00	O
ATOM	358	C4'	A A	12	6.269	-4.314	35.152	1.00	0.00	C
ATOM	359	O4'	A A	12	5.369	-3.176	35.344	1.00	0.00	O
ATOM	360	C5'	A A	12	5.505	-5.426	34.474	1.00	0.00	C
ATOM	361	O5'	A A	12	4.718	-6.150	35.454	1.00	0.00	O
ATOM	362	O1P	A A	12	5.776	-8.434	35.477	1.00	0.00	O
ATOM	363	O2P	A A	12	3.357	-8.165	36.088	1.00	0.00	O
ATOM	364	P	A A	12	4.504	-7.718	35.259	1.00	0.00	P
ATOM	365	H2	A A	12	2.477	1.276	37.154	1.00	0.00	H
ATOM	366	H8	A A	12	2.944	-5.102	36.673	1.00	0.00	H
ATOM	367	H1'	A A	12	5.410	-2.130	37.088	1.00	0.00	H
ATOM	368	H3'	A A	12	7.086	-5.660	36.650	1.00	0.00	H
ATOM	369	H4'	A A	12	7.132	-4.076	34.531	1.00	0.00	H
ATOM	370	H61	A A	12	-1.511	-0.805	37.195	1.00	0.00	H
ATOM	371	H62	A A	12	-1.159	-2.549	37.056	1.00	0.00	H
ATOM	372	H2'1	A A	12	4.928	-5.090	37.536	1.00	0.00	H
ATOM	373	H2'2	A A	12	5.952	-3.993	38.451	1.00	0.00	H
ATOM	374	H5'1	A A	12	4.847	-4.998	33.718	1.00	0.00	H
ATOM	375	H5'2	A A	12	6.209	-6.104	33.994	1.00	0.00	H
ATOM	376	C1'	G A	13	5.838	0.469	40.091	1.00	0.00	C
ATOM	377	N1	G A	13	0.754	0.484	40.511	1.00	0.00	N
ATOM	378	C2	G A	13	1.644	1.542	40.470	1.00	0.00	C
ATOM	379	N2	G A	13	1.110	2.768	40.555	1.00	0.00	N
ATOM	380	N3	G A	13	2.962	1.390	40.354	1.00	0.00	N
ATOM	381	C4	G A	13	3.328	0.083	40.289	1.00	0.00	C
ATOM	382	C5	G A	13	2.512	-1.036	40.326	1.00	0.00	C
ATOM	383	C6	G A	13	1.112	-0.875	40.445	1.00	0.00	C
ATOM	384	O6	G A	13	0.234	-1.737	40.495	1.00	0.00	O
ATOM	385	N7	G A	13	3.281	-2.197	40.233	1.00	0.00	N
ATOM	386	C8	G A	13	4.509	-1.757	40.141	1.00	0.00	C

ATOM	387	N9	G A	13	4.619	-0.382	40.169	1.00	0.00	N
ATOM	388	C2'	G A	13	7.038	-0.109	40.828	1.00	0.00	C
ATOM	389	C3'	G A	13	8.193	0.314	39.936	1.00	0.00	C
ATOM	390	O3'	G A	13	8.585	1.642	40.276	1.00	0.00	O
ATOM	391	C4'	G A	13	7.589	0.232	38.535	1.00	0.00	C
ATOM	392	O4'	G A	13	6.186	0.600	38.726	1.00	0.00	O
ATOM	393	C5'	G A	13	7.647	-1.117	37.858	1.00	0.00	C
ATOM	394	O5'	G A	13	7.455	-2.167	38.838	1.00	0.00	O
ATOM	395	O1P	G A	13	9.674	-3.355	38.862	1.00	0.00	O
ATOM	396	O2P	G A	13	7.581	-4.595	39.473	1.00	0.00	O
ATOM	397	P	G A	13	8.228	-3.549	38.644	1.00	0.00	P
ATOM	398	H1	G A	13	-0.249	0.710	40.596	1.00	0.00	H
ATOM	399	H8	G A	13	5.372	-2.417	40.051	1.00	0.00	H
ATOM	400	H1'	G A	13	5.587	1.460	40.470	1.00	0.00	H
ATOM	401	H21	G A	13	0.088	2.877	40.641	1.00	0.00	H
ATOM	402	H3'	G A	13	9.051	-0.352	40.034	1.00	0.00	H
ATOM	403	H22	G A	13	1.719	3.596	40.533	1.00	0.00	H
ATOM	404	H4'	G A	13	8.134	0.941	37.913	1.00	0.00	H
ATOM	405	H2'1	G A	13	6.984	-1.194	40.919	1.00	0.00	H
ATOM	406	H2'2	G A	13	7.142	0.299	41.834	1.00	0.00	H
ATOM	407	H5'1	G A	13	6.865	-1.171	37.101	1.00	0.00	H
ATOM	408	H5'2	G A	13	8.618	-1.234	37.377	1.00	0.00	H
ATOM	409	C1'	G A	14	4.447	3.811	43.471	1.00	0.00	C
ATOM	410	N1	G A	14	0.325	0.835	43.891	1.00	0.00	N
ATOM	411	C2	G A	14	0.424	2.214	43.850	1.00	0.00	C
ATOM	412	N2	G A	14	-0.728	2.891	43.935	1.00	0.00	N
ATOM	413	N3	G A	14	1.580	2.866	43.734	1.00	0.00	N
ATOM	414	C4	G A	14	2.643	2.023	43.669	1.00	0.00	C
ATOM	415	C5	G A	14	2.640	0.639	43.706	1.00	0.00	C
ATOM	416	C6	G A	14	1.415	-0.054	43.825	1.00	0.00	C
ATOM	417	O6	G A	14	1.209	-1.267	43.875	1.00	0.00	O
ATOM	418	N7	G A	14	3.947	0.152	43.613	1.00	0.00	N
ATOM	419	C8	G A	14	4.681	1.230	43.521	1.00	0.00	C
ATOM	420	N9	G A	14	3.961	2.406	43.549	1.00	0.00	N
ATOM	421	C2'	G A	14	5.758	4.048	44.208	1.00	0.00	C
ATOM	422	C3'	G A	14	6.444	5.070	43.316	1.00	0.00	C
ATOM	423	O3'	G A	14	5.981	6.375	43.656	1.00	0.00	O
ATOM	424	C4'	G A	14	6.003	4.648	41.915	1.00	0.00	C
ATOM	425	O4'	G A	14	4.652	4.121	42.106	1.00	0.00	O
ATOM	426	C5'	G A	14	6.843	3.591	41.238	1.00	0.00	C
ATOM	427	O5'	G A	14	7.305	2.629	42.218	1.00	0.00	O
ATOM	428	O1P	G A	14	9.798	2.972	42.242	1.00	0.00	O
ATOM	429	O2P	G A	14	8.834	0.738	42.853	1.00	0.00	O
ATOM	430	P	G A	14	8.742	1.965	42.024	1.00	0.00	P
ATOM	431	H1	G A	14	-0.619	0.428	43.976	1.00	0.00	H
ATOM	432	H8	G A	14	5.767	1.202	43.431	1.00	0.00	H
ATOM	433	H1'	G A	14	3.662	4.465	43.850	1.00	0.00	H
ATOM	434	H21	G A	14	-1.619	2.380	44.021	1.00	0.00	H
ATOM	435	H3'	G A	14	7.529	5.035	43.414	1.00	0.00	H
ATOM	436	H22	G A	14	-0.723	3.920	43.913	1.00	0.00	H
ATOM	437	H4'	G A	14	6.027	5.542	41.293	1.00	0.00	H
ATOM	438	H2'1	G A	14	6.352	3.139	44.299	1.00	0.00	H
ATOM	439	H2'2	G A	14	5.602	4.440	45.214	1.00	0.00	H
ATOM	440	H5'1	G A	14	6.242	3.087	40.481	1.00	0.00	H

ATOM	441	H5'2	G	A	14	7.698	4.067	40.757	1.00	0.00	H
ATOM	442	C1'	A	A	15	1.372	5.717	46.849	1.00	0.00	C
ATOM	443	N1	A	A	15	-0.249	0.866	47.273	1.00	0.00	N
ATOM	444	C2	A	A	15	-0.894	2.029	47.228	1.00	0.00	C
ATOM	445	N3	A	A	15	-0.413	3.249	47.114	1.00	0.00	N
ATOM	446	C4	A	A	15	0.931	3.214	47.046	1.00	0.00	C
ATOM	447	C5	A	A	15	1.738	2.112	47.080	1.00	0.00	C
ATOM	448	C6	A	A	15	1.091	0.864	47.202	1.00	0.00	C
ATOM	449	N6	A	A	15	1.754	-0.304	47.248	1.00	0.00	N
ATOM	450	N7	A	A	15	3.072	2.466	46.984	1.00	0.00	N
ATOM	451	C8	A	A	15	3.045	3.763	46.899	1.00	0.00	C
ATOM	452	N9	A	A	15	1.778	4.289	46.928	1.00	0.00	N
ATOM	453	C2'	A	A	15	2.310	6.664	47.586	1.00	0.00	C
ATOM	454	C3'	A	A	15	2.285	7.895	46.693	1.00	0.00	C
ATOM	455	O3'	A	A	15	1.158	8.696	47.034	1.00	0.00	O
ATOM	456	C4'	A	A	15	2.166	7.296	45.292	1.00	0.00	C
ATOM	457	O4'	A	A	15	1.361	6.088	45.484	1.00	0.00	O
ATOM	458	C5'	A	A	15	3.459	6.912	44.614	1.00	0.00	C
ATOM	459	O5'	A	A	15	4.391	6.388	45.594	1.00	0.00	O
ATOM	460	O1P	A	A	15	6.236	8.100	45.617	1.00	0.00	O
ATOM	461	O2P	A	A	15	6.728	5.716	46.228	1.00	0.00	O
ATOM	462	P	A	A	15	5.949	6.668	45.399	1.00	0.00	P
ATOM	463	H2	A	A	15	-1.980	1.961	47.294	1.00	0.00	H
ATOM	464	H8	A	A	15	3.942	4.376	46.813	1.00	0.00	H
ATOM	465	H1'	A	A	15	0.354	5.803	47.228	1.00	0.00	H
ATOM	466	H3'	A	A	15	3.194	8.489	46.790	1.00	0.00	H
ATOM	467	H4'	A	A	15	1.672	8.042	44.671	1.00	0.00	H
ATOM	468	H61	A	A	15	1.232	-1.188	47.335	1.00	0.00	H
ATOM	469	H62	A	A	15	2.783	-0.314	47.196	1.00	0.00	H
ATOM	470	H2'1	A	A	15	3.318	6.259	47.676	1.00	0.00	H
ATOM	471	H2'2	A	A	15	1.958	6.896	48.591	1.00	0.00	H
ATOM	472	H5'1	A	A	15	3.255	6.154	43.858	1.00	0.00	H
ATOM	473	H5'2	A	A	15	3.886	7.791	44.134	1.00	0.00	H
ATOM	474	C1'	C	A	16	-2.251	5.407	50.231	1.00	0.00	C
ATOM	475	N1	C	A	16	-1.069	4.506	50.309	1.00	0.00	N
ATOM	476	C2	C	A	16	-1.298	3.137	50.427	1.00	0.00	C
ATOM	477	O2	C	A	16	-2.466	2.729	50.463	1.00	0.00	O
ATOM	478	N3	C	A	16	-0.235	2.299	50.500	1.00	0.00	N
ATOM	479	C4	C	A	16	1.017	2.772	50.459	1.00	0.00	C
ATOM	480	N4	C	A	16	2.019	1.907	50.530	1.00	0.00	N
ATOM	481	C5	C	A	16	1.284	4.175	50.342	1.00	0.00	C
ATOM	482	C6	C	A	16	0.198	5.001	50.266	1.00	0.00	C
ATOM	483	C2'	C	A	16	-2.069	6.724	50.972	1.00	0.00	C
ATOM	484	C3'	C	A	16	-2.824	7.697	50.079	1.00	0.00	C
ATOM	485	O3'	C	A	16	-4.208	7.665	50.417	1.00	0.00	O
ATOM	486	C4'	C	A	16	-2.557	7.150	48.679	1.00	0.00	C
ATOM	487	O4'	C	A	16	-2.478	5.701	48.865	1.00	0.00	O
ATOM	488	C5'	C	A	16	-1.288	7.620	48.005	1.00	0.00	C
ATOM	489	O5'	C	A	16	-0.232	7.756	48.989	1.00	0.00	O
ATOM	490	O1P	C	A	16	0.221	10.232	49.020	1.00	0.00	O
ATOM	491	O2P	C	A	16	2.040	8.616	49.631	1.00	0.00	O
ATOM	492	P	C	A	16	0.848	8.914	48.800	1.00	0.00	P
ATOM	493	H5	C	A	16	2.303	4.565	50.316	1.00	0.00	H
ATOM	494	H6	C	A	16	0.350	6.076	50.168	1.00	0.00	H

ATOM	495	H1'	C	A	16	-3.119	4.864	50.606	1.00	0.00	H
ATOM	496	H3'	C	A	16	-2.450	8.717	50.182	1.00	0.00	H
ATOM	497	H4'	C	A	16	-3.396	7.456	48.055	1.00	0.00	H
ATOM	498	H41	C	A	16	2.993	2.244	50.499	1.00	0.00	H
ATOM	499	H42	C	A	16	1.826	0.899	50.617	1.00	0.00	H
ATOM	500	H2'1	C	A	16	-1.020	7.005	51.066	1.00	0.00	H
ATOM	501	H2'2	C	A	16	-2.492	6.696	51.977	1.00	0.00	H
ATOM	502	H5'1	C	A	16	-0.996	6.893	47.247	1.00	0.00	H
ATOM	503	H5'2	C	A	16	-1.472	8.582	47.527	1.00	0.00	H
ATOM	504	C1'	G	A	17	-4.998	3.052	53.611	1.00	0.00	C
ATOM	505	N1	G	A	17	-0.894	0.051	54.031	1.00	0.00	N
ATOM	506	C2	G	A	17	-2.237	-0.281	53.990	1.00	0.00	C
ATOM	507	N2	G	A	17	-2.524	-1.586	54.075	1.00	0.00	N
ATOM	508	N3	G	A	17	-3.214	0.616	53.874	1.00	0.00	N
ATOM	509	C4	G	A	17	-2.741	1.889	53.809	1.00	0.00	C
ATOM	510	C5	G	A	17	-1.424	2.315	53.846	1.00	0.00	C
ATOM	511	C6	G	A	17	-0.385	1.363	53.965	1.00	0.00	C
ATOM	512	O6	G	A	17	0.832	1.542	54.015	1.00	0.00	O
ATOM	513	N7	G	A	17	-1.363	3.707	53.753	1.00	0.00	N
ATOM	514	C8	G	A	17	-2.616	4.072	53.661	1.00	0.00	C
ATOM	515	N9	G	A	17	-3.513	3.024	53.689	1.00	0.00	N
ATOM	516	C2'	G	A	17	-5.630	4.225	54.348	1.00	0.00	C
ATOM	517	C3'	G	A	17	-6.813	4.562	53.456	1.00	0.00	C
ATOM	518	O3'	G	A	17	-7.911	3.718	53.796	1.00	0.00	O
ATOM	519	C4'	G	A	17	-6.275	4.273	52.055	1.00	0.00	C
ATOM	520	O4'	G	A	17	-5.357	3.151	52.246	1.00	0.00	O
ATOM	521	C5'	G	A	17	-5.530	5.399	51.378	1.00	0.00	C
ATOM	522	O5'	G	A	17	-4.757	6.135	52.358	1.00	0.00	O
ATOM	523	O1P	G	A	17	-5.855	8.400	52.382	1.00	0.00	O
ATOM	524	O2P	G	A	17	-3.432	8.173	52.993	1.00	0.00	O
ATOM	525	P	G	A	17	-4.570	7.707	52.164	1.00	0.00	P
ATOM	526	H1	G	A	17	-0.216	-0.721	54.116	1.00	0.00	H
ATOM	527	H8	G	A	17	-2.925	5.114	53.571	1.00	0.00	H
ATOM	528	H1'	G	A	17	-5.378	2.103	53.990	1.00	0.00	H
ATOM	529	H21	G	A	17	-1.763	-2.275	54.161	1.00	0.00	H
ATOM	530	H3'	G	A	17	-7.115	5.605	53.554	1.00	0.00	H
ATOM	531	H22	G	A	17	-3.505	-1.899	54.053	1.00	0.00	H
ATOM	532	H4'	G	A	17	-7.133	4.020	51.433	1.00	0.00	H
ATOM	533	H2'1	G	A	17	-4.948	5.071	54.439	1.00	0.00	H
ATOM	534	H2'2	G	A	17	-5.954	3.956	55.354	1.00	0.00	H
ATOM	535	H5'1	G	A	17	-4.865	4.983	50.621	1.00	0.00	H
ATOM	536	H5'2	G	A	17	-6.247	6.064	50.897	1.00	0.00	H
ATOM	537	C1'	G	A	18	-5.838	-0.469	56.991	1.00	0.00	C
ATOM	538	N1	G	A	18	-0.754	-0.484	57.411	1.00	0.00	N
ATOM	539	C2	G	A	18	-1.645	-1.542	57.370	1.00	0.00	C
ATOM	540	N2	G	A	18	-1.110	-2.768	57.455	1.00	0.00	N
ATOM	541	N3	G	A	18	-2.962	-1.390	57.254	1.00	0.00	N
ATOM	542	C4	G	A	18	-3.328	-0.083	57.189	1.00	0.00	C
ATOM	543	C5	G	A	18	-2.512	1.036	57.226	1.00	0.00	C
ATOM	544	C6	G	A	18	-1.112	0.875	57.345	1.00	0.00	C
ATOM	545	O6	G	A	18	-0.234	1.737	57.395	1.00	0.00	O
ATOM	546	N7	G	A	18	-3.281	2.197	57.133	1.00	0.00	N
ATOM	547	C8	G	A	18	-4.509	1.757	57.041	1.00	0.00	C
ATOM	548	N9	G	A	18	-4.619	0.382	57.069	1.00	0.00	N

ATOM	549	C2'	G A	18	-7.038	0.109	57.728	1.00	0.00	C
ATOM	550	C3'	G A	18	-8.193	-0.314	56.836	1.00	0.00	C
ATOM	551	O3'	G A	18	-8.585	-1.642	57.176	1.00	0.00	O
ATOM	552	C4'	G A	18	-7.589	-0.232	55.435	1.00	0.00	C
ATOM	553	O4'	G A	18	-6.186	-0.600	55.626	1.00	0.00	O
ATOM	554	C5'	G A	18	-7.647	1.117	54.758	1.00	0.00	C
ATOM	555	O5'	G A	18	-7.455	2.167	55.738	1.00	0.00	O
ATOM	556	O1P	G A	18	-9.674	3.355	55.762	1.00	0.00	O
ATOM	557	O2P	G A	18	-7.581	4.595	56.373	1.00	0.00	O
ATOM	558	P	G A	18	-8.228	3.549	55.544	1.00	0.00	P
ATOM	559	H1	G A	18	0.249	-0.710	57.496	1.00	0.00	H
ATOM	560	H8	G A	18	-5.372	2.417	56.951	1.00	0.00	H
ATOM	561	H1'	G A	18	-5.587	-1.460	57.370	1.00	0.00	H
ATOM	562	H21	G A	18	-0.088	-2.877	57.541	1.00	0.00	H
ATOM	563	H3'	G A	18	-9.051	0.352	56.934	1.00	0.00	H
ATOM	564	H22	G A	18	-1.719	-3.596	57.433	1.00	0.00	H
ATOM	565	H4'	G A	18	-8.134	-0.941	54.813	1.00	0.00	H
ATOM	566	H2'1	G A	18	-6.984	1.194	57.819	1.00	0.00	H
ATOM	567	H2'2	G A	18	-7.142	-0.299	58.734	1.00	0.00	H
ATOM	568	H5'1	G A	18	-6.865	1.171	54.001	1.00	0.00	H
ATOM	569	H5'2	G A	18	-8.618	1.234	54.277	1.00	0.00	H
ATOM	570	C1'	T A	19	-4.470	-3.818	60.369	1.00	0.00	C
ATOM	571	N1	T A	19	-3.957	-2.425	60.450	1.00	0.00	N
ATOM	572	C2	T A	19	-2.592	-2.261	60.569	1.00	0.00	C
ATOM	573	O2	T A	19	-1.816	-3.201	60.609	1.00	0.00	O
ATOM	574	N3	T A	19	-2.159	-0.950	60.640	1.00	0.00	N
ATOM	575	C4	T A	19	-2.949	0.179	60.607	1.00	0.00	C
ATOM	576	O4	T A	19	-2.446	1.306	60.682	1.00	0.00	O
ATOM	577	C5	T A	19	-4.362	-0.091	60.481	1.00	0.00	C
ATOM	578	C6	T A	19	-4.820	-1.357	60.408	1.00	0.00	C
ATOM	579	C7	T A	19	-5.260	1.109	60.438	1.00	0.00	C
ATOM	580	C2'	T A	19	-5.785	-4.033	61.108	1.00	0.00	C
ATOM	581	C3'	T A	19	-6.491	-5.040	60.214	1.00	0.00	C
ATOM	582	O3'	T A	19	-6.052	-6.354	60.550	1.00	0.00	O
ATOM	583	C4'	T A	19	-6.045	-4.622	58.815	1.00	0.00	C
ATOM	584	O4'	T A	19	-4.684	-4.122	59.004	1.00	0.00	O
ATOM	585	C5'	T A	19	-6.866	-3.548	58.140	1.00	0.00	C
ATOM	586	O5'	T A	19	-7.308	-2.579	59.124	1.00	0.00	O
ATOM	587	O1P	T A	19	-9.807	-2.876	59.152	1.00	0.00	O
ATOM	588	O2P	T A	19	-8.799	-0.662	59.767	1.00	0.00	O
ATOM	589	P	T A	19	-8.732	-1.887	58.935	1.00	0.00	P
ATOM	590	H3	T A	19	-1.143	-0.802	60.725	1.00	0.00	H
ATOM	591	H6	T A	19	-5.891	-1.536	60.313	1.00	0.00	H
ATOM	592	H1'	T A	19	-3.697	-4.489	60.745	1.00	0.00	H
ATOM	593	H3'	T A	19	-7.575	-4.984	60.315	1.00	0.00	H
ATOM	594	H4'	T A	19	-6.088	-5.515	58.189	1.00	0.00	H
ATOM	595	H71	T A	19	-5.893	1.121	61.325	1.00	0.00	H
ATOM	596	H72	T A	19	-4.654	2.015	60.413	1.00	0.00	H
ATOM	597	H73	T A	19	-5.886	1.066	59.546	1.00	0.00	H
ATOM	598	H2'1	T A	19	-6.360	-3.113	61.202	1.00	0.00	H
ATOM	599	H2'2	T A	19	-5.635	-4.430	62.113	1.00	0.00	H
ATOM	600	H5'1	T A	19	-6.257	-3.053	57.384	1.00	0.00	H
ATOM	601	H5'2	T A	19	-7.730	-4.006	57.661	1.00	0.00	H
ATOM	602	C01	LNK A	20	-7.147	-8.663	63.257	0.00	0.00	C

ATOM	603	O1	LNK	A	20	-7.198	-7.404	62.581	1.00	0.00	O
ATOM	604	S	LNK	A	20	-8.698	-10.406	66.482	0.00	0.00	S
ATOM	605	C02	LNK	A	20	-8.061	-8.616	64.496	0.00	0.00	C
ATOM	606	C03	LNK	A	20	-7.418	-9.423	65.640	0.00	0.00	C
ATOM	607	O1P	LNK	A	20	-5.848	-5.314	62.964	1.00	0.00	O
ATOM	608	O2P	LNK	A	20	-4.688	-7.514	62.625	1.00	0.00	O
ATOM	609	P	LNK	A	20	-5.833	-6.630	62.295	1.00	0.00	P
ATOM	610	H01	LNK	A	20	-6.123	-8.868	63.569	0.00	0.00	H
ATOM	611	H02	LNK	A	20	-7.487	-9.451	62.585	0.00	0.00	H
ATOM	612	H03	LNK	A	20	-6.958	-8.739	66.353	0.00	0.00	H
ATOM	613	H04	LNK	A	20	-9.032	-9.046	64.248	0.00	0.00	H
ATOM	614	H05	LNK	A	20	-8.193	-7.581	64.811	0.00	0.00	H
ATOM	615	H06	LNK	A	20	-6.658	-10.089	65.232	0.00	0.00	H
ATOM	616	AU	LNK	A	20	-8.435	-10.686	67.050			
TER											
ATOM	618	C1'	A	B	2	5.862	-0.463	61.311	1.00	0.00	C
ATOM	619	N1	A	B	2	0.747	-0.505	60.891	1.00	0.00	N
ATOM	620	C2	A	B	2	1.652	-1.477	60.933	1.00	0.00	C
ATOM	621	N3	A	B	2	2.961	-1.397	61.046	1.00	0.00	N
ATOM	622	C4	A	B	2	3.344	-0.108	61.117	1.00	0.00	C
ATOM	623	C5	A	B	2	2.545	0.999	61.087	1.00	0.00	C
ATOM	624	C6	A	B	2	1.158	0.770	60.965	1.00	0.00	C
ATOM	625	N6	A	B	2	0.251	1.761	60.923	1.00	0.00	N
ATOM	626	N7	A	B	2	3.294	2.159	61.186	1.00	0.00	N
ATOM	627	C8	A	B	2	4.519	1.732	61.268	1.00	0.00	C
ATOM	628	N9	A	B	2	4.627	0.366	61.236	1.00	0.00	N
ATOM	629	C2'	A	B	2	7.051	0.140	60.575	1.00	0.00	C
ATOM	630	C3'	A	B	2	8.214	-0.266	61.465	1.00	0.00	C
ATOM	631	O3'	A	B	2	8.628	-1.586	61.121	1.00	0.00	O
ATOM	632	C4'	A	B	2	7.609	-0.198	62.867	1.00	0.00	C
ATOM	633	O4'	A	B	2	6.211	-0.590	62.676	1.00	0.00	O
ATOM	634	C5'	A	B	2	7.645	1.149	63.549	1.00	0.00	C
ATOM	635	O5'	A	B	2	7.433	2.199	62.572	1.00	0.00	O
ATOM	636	H2	A	B	2	1.254	-2.488	60.864	1.00	0.00	H
ATOM	637	H8	A	B	2	5.379	2.397	61.354	1.00	0.00	H
ATOM	638	H1'	A	B	2	5.629	-1.457	60.929	1.00	0.00	H
ATOM	639	H3'	A	B	2	9.060	0.414	61.369	1.00	0.00	H
ATOM	640	H4'	A	B	2	8.167	-0.900	63.486	1.00	0.00	H
ATOM	641	H61	A	B	2	-0.750	1.539	60.836	1.00	0.00	H
ATOM	642	H62	A	B	2	0.560	2.743	60.978	1.00	0.00	H
ATOM	643	H2'1	A	B	2	6.978	1.224	60.488	1.00	0.00	H
ATOM	644	H2'2	A	B	2	7.162	-0.264	59.568	1.00	0.00	H
ATOM	645	H5'1	A	B	2	6.862	1.187	64.306	1.00	0.00	H
ATOM	646	H5'2	A	B	2	8.614	1.281	64.028	1.00	0.00	H
ATOM	647	C1'	C	B	3	4.447	-3.812	57.929	1.00	0.00	C
ATOM	648	N1	C	B	3	3.955	-2.409	57.854	1.00	0.00	N
ATOM	649	C2	C	B	3	2.582	-2.204	57.734	1.00	0.00	C
ATOM	650	O2	C	B	3	1.833	-3.189	57.696	1.00	0.00	O
ATOM	651	N3	C	B	3	2.114	-0.935	57.664	1.00	0.00	N
ATOM	652	C4	C	B	3	2.950	0.111	57.707	1.00	0.00	C
ATOM	653	N4	C	B	3	2.437	1.332	57.638	1.00	0.00	N
ATOM	654	C5	C	B	3	4.368	-0.068	57.825	1.00	0.00	C
ATOM	655	C6	C	B	3	4.817	-1.357	57.899	1.00	0.00	C
ATOM	656	C2'	C	B	3	5.757	-4.044	57.188	1.00	0.00	C

ATOM	657	C3'	C B	3	6.449	-5.064	58.079	1.00	0.00	C
ATOM	658	O3'	C B	3	5.989	-6.370	57.739	1.00	0.00	O
ATOM	659	C4'	C B	3	6.010	-4.644	59.480	1.00	0.00	C
ATOM	660	O4'	C B	3	4.656	-4.121	59.294	1.00	0.00	O
ATOM	661	C5'	C B	3	6.848	-3.585	60.157	1.00	0.00	C
ATOM	662	O5'	C B	3	7.304	-2.620	59.175	1.00	0.00	O
ATOM	663	O1P	C B	3	9.799	-2.954	59.145	1.00	0.00	O
ATOM	664	O2P	C B	3	8.824	-0.723	58.538	1.00	0.00	O
ATOM	665	P	C B	3	8.738	-1.951	59.366	1.00	0.00	P
ATOM	666	H5	C B	3	5.053	0.779	57.853	1.00	0.00	H
ATOM	667	H6	C B	3	5.886	-1.544	57.997	1.00	0.00	H
ATOM	668	H1'	C B	3	3.663	-4.469	57.552	1.00	0.00	H
ATOM	669	H3'	C B	3	7.533	-5.025	57.978	1.00	0.00	H
ATOM	670	H4'	C B	3	6.040	-5.538	60.103	1.00	0.00	H
ATOM	671	H41	C B	3	3.058	2.154	57.672	1.00	0.00	H
ATOM	672	H42	C B	3	1.418	1.459	57.551	1.00	0.00	H
ATOM	673	H2'1	C B	3	6.347	-3.133	57.096	1.00	0.00	H
ATOM	674	H2'2	C B	3	5.599	-4.436	56.183	1.00	0.00	H
ATOM	675	H5'1	C B	3	6.247	-3.082	60.915	1.00	0.00	H
ATOM	676	H5'2	C B	3	7.705	-4.057	60.634	1.00	0.00	H
ATOM	677	C1'	C B	4	1.358	-5.698	54.549	1.00	0.00	C
ATOM	678	N1	C B	4	1.784	-4.274	54.474	1.00	0.00	N
ATOM	679	C2	C B	4	0.794	-3.301	54.354	1.00	0.00	C
ATOM	680	O2	C B	4	-0.392	-3.657	54.316	1.00	0.00	O
ATOM	681	N3	C B	4	1.160	-1.999	54.284	1.00	0.00	N
ATOM	682	C4	C B	4	2.452	-1.644	54.327	1.00	0.00	C
ATOM	683	N4	C B	4	2.755	-0.356	54.258	1.00	0.00	N
ATOM	684	C5	C B	4	3.493	-2.623	54.445	1.00	0.00	C
ATOM	685	C6	C B	4	3.099	-3.929	54.519	1.00	0.00	C
ATOM	686	C2'	C B	4	2.281	-6.655	53.808	1.00	0.00	C
ATOM	687	C3'	C B	4	2.241	-7.887	54.699	1.00	0.00	C
ATOM	688	O3'	C B	4	1.102	-8.674	54.359	1.00	0.00	O
ATOM	689	C4'	C B	4	2.133	-7.290	56.100	1.00	0.00	C
ATOM	690	O4'	C B	4	1.344	-6.071	55.914	1.00	0.00	O
ATOM	691	C5'	C B	4	3.434	-6.924	56.777	1.00	0.00	C
ATOM	692	O5'	C B	4	4.370	-6.412	55.795	1.00	0.00	O
ATOM	693	O1P	C B	4	6.191	-8.149	55.765	1.00	0.00	O
ATOM	694	O2P	C B	4	6.714	-5.771	55.158	1.00	0.00	O
ATOM	695	P	C B	4	5.923	-6.714	55.986	1.00	0.00	P
ATOM	696	H5	C B	4	4.545	-2.340	54.473	1.00	0.00	H
ATOM	697	H6	C B	4	3.854	-4.709	54.617	1.00	0.00	H
ATOM	698	H1'	C B	4	0.337	-5.769	54.172	1.00	0.00	H
ATOM	699	H3'	C B	4	3.142	-8.493	54.598	1.00	0.00	H
ATOM	700	H4'	C B	4	1.631	-8.031	56.723	1.00	0.00	H
ATOM	701	H41	C B	4	3.740	-0.055	54.292	1.00	0.00	H
ATOM	702	H42	C B	4	2.005	0.347	54.171	1.00	0.00	H
ATOM	703	H2'1	C B	4	3.294	-6.265	53.716	1.00	0.00	H
ATOM	704	H2'2	C B	4	1.923	-6.880	52.803	1.00	0.00	H
ATOM	705	H5'1	C B	4	3.242	-6.165	57.535	1.00	0.00	H
ATOM	706	H5'2	C B	4	3.849	-7.811	57.254	1.00	0.00	H
ATOM	707	C1'	G B	5	-2.250	-5.407	51.169	1.00	0.00	C
ATOM	708	N1	G B	5	-0.693	-0.566	50.752	1.00	0.00	N
ATOM	709	C2	G B	5	-1.975	-1.087	50.790	1.00	0.00	C
ATOM	710	N2	G B	5	-2.974	-0.201	50.704	1.00	0.00	N

ATOM	711	N3	G B	5	-2.237	-2.388	50.906	1.00	0.00	N
ATOM	712	C4	G B	5	-1.107	-3.139	50.974	1.00	0.00	C
ATOM	713	C5	G B	5	0.209	-2.708	50.939	1.00	0.00	C
ATOM	714	C6	G B	5	0.489	-1.328	50.820	1.00	0.00	C
ATOM	715	O6	G B	5	1.579	-0.759	50.772	1.00	0.00	O
ATOM	716	N7	G B	5	1.076	-3.799	51.034	1.00	0.00	N
ATOM	717	C8	G B	5	0.278	-4.832	51.124	1.00	0.00	C
ATOM	718	N9	G B	5	-1.064	-4.511	51.093	1.00	0.00	N
ATOM	719	C2'	G B	5	-2.069	-6.727	50.432	1.00	0.00	C
ATOM	720	C3'	G B	5	-2.831	-7.695	51.323	1.00	0.00	C
ATOM	721	O3'	G B	5	-4.214	-7.658	50.980	1.00	0.00	O
ATOM	722	C4'	G B	5	-2.568	-7.146	52.724	1.00	0.00	C
ATOM	723	O4'	G B	5	-2.485	-5.698	52.533	1.00	0.00	O
ATOM	724	C5'	G B	5	-1.305	-7.618	53.404	1.00	0.00	C
ATOM	725	O5'	G B	5	-0.245	-7.760	52.426	1.00	0.00	O
ATOM	726	O1P	G B	5	0.200	-10.237	52.403	1.00	0.00	O
ATOM	727	O2P	G B	5	2.027	-8.629	51.796	1.00	0.00	O
ATOM	728	P	G B	5	0.831	-8.921	52.622	1.00	0.00	P
ATOM	729	H1	G B	5	-0.598	0.457	50.667	1.00	0.00	H
ATOM	730	H8	G B	5	0.639	-5.856	51.214	1.00	0.00	H
ATOM	731	H1'	G B	5	-3.114	-4.863	50.789	1.00	0.00	H
ATOM	732	H21	G B	5	-2.764	0.804	50.618	1.00	0.00	H
ATOM	733	H3'	G B	5	-2.462	-8.717	51.226	1.00	0.00	H
ATOM	734	H22	G B	5	-3.952	-0.524	50.723	1.00	0.00	H
ATOM	735	H4'	G B	5	-3.412	-7.445	53.345	1.00	0.00	H
ATOM	736	H2'1	G B	5	-1.020	-7.011	50.343	1.00	0.00	H
ATOM	737	H2'2	G B	5	-2.488	-6.700	49.426	1.00	0.00	H
ATOM	738	H5'1	G B	5	-1.013	-6.890	54.161	1.00	0.00	H
ATOM	739	H5'2	G B	5	-1.494	-8.578	53.884	1.00	0.00	H
ATOM	740	C1'	T B	6	-5.013	-3.071	47.791	1.00	0.00	C
ATOM	741	N1	T B	6	-3.529	-3.014	47.713	1.00	0.00	N
ATOM	742	C2	T B	6	-2.952	-1.766	47.594	1.00	0.00	C
ATOM	743	O2	T B	6	-3.605	-0.738	47.551	1.00	0.00	O
ATOM	744	N3	T B	6	-1.570	-1.760	47.526	1.00	0.00	N
ATOM	745	C4	T B	6	-0.740	-2.860	47.562	1.00	0.00	C
ATOM	746	O4	T B	6	0.487	-2.730	47.489	1.00	0.00	O
ATOM	747	C5	T B	6	-1.435	-4.119	47.689	1.00	0.00	C
ATOM	748	C6	T B	6	-2.780	-4.164	47.759	1.00	0.00	C
ATOM	749	C7	T B	6	-0.570	-5.344	47.735	1.00	0.00	C
ATOM	750	C2'	T B	6	-5.621	-4.257	47.052	1.00	0.00	C
ATOM	751	C3'	T B	6	-6.799	-4.616	47.945	1.00	0.00	C
ATOM	752	O3'	T B	6	-7.913	-3.794	47.604	1.00	0.00	O
ATOM	753	C4'	T B	6	-6.268	-4.319	49.345	1.00	0.00	C
ATOM	754	O4'	T B	6	-5.370	-3.179	49.155	1.00	0.00	O
ATOM	755	C5'	T B	6	-5.500	-5.430	50.023	1.00	0.00	C
ATOM	756	O5'	T B	6	-4.713	-6.151	49.041	1.00	0.00	O
ATOM	757	O1P	T B	6	-5.767	-8.436	49.015	1.00	0.00	O
ATOM	758	O2P	T B	6	-3.348	-8.162	48.405	1.00	0.00	O
ATOM	759	P	T B	6	-4.495	-7.719	49.234	1.00	0.00	P
ATOM	760	H3	T B	6	-1.115	-0.839	47.440	1.00	0.00	H
ATOM	761	H6	T B	6	-3.281	-5.127	47.854	1.00	0.00	H
ATOM	762	H1'	T B	6	-5.412	-2.130	47.413	1.00	0.00	H
ATOM	763	H3'	T B	6	-7.081	-5.664	47.845	1.00	0.00	H
ATOM	764	H4'	T B	6	-7.131	-4.083	49.968	1.00	0.00	H

ATOM	765	H71	T B	6	-0.753	-5.952	46.849	1.00	0.00	H
ATOM	766	H72	T B	6	0.479	-5.048	47.763	1.00	0.00	H
ATOM	767	H73	T B	6	-0.807	-5.924	48.628	1.00	0.00	H
ATOM	768	H2'1	T B	6	-4.924	-5.088	46.961	1.00	0.00	H
ATOM	769	H2'2	T B	6	-5.951	-3.993	46.047	1.00	0.00	H
ATOM	770	H5'1	T B	6	-4.843	-5.002	50.780	1.00	0.00	H
ATOM	771	H5'2	T B	6	-6.204	-6.110	50.501	1.00	0.00	H
ATOM	772	C1'	C B	7	-5.839	0.470	44.409	1.00	0.00	C
ATOM	773	N1	C B	7	-4.615	-0.377	44.334	1.00	0.00	N
ATOM	774	C2	C B	7	-3.385	0.265	44.214	1.00	0.00	C
ATOM	775	O2	C B	7	-3.357	1.503	44.176	1.00	0.00	O
ATOM	776	N3	C B	7	-2.259	-0.487	44.144	1.00	0.00	N
ATOM	777	C4	C B	7	-2.321	-1.824	44.187	1.00	0.00	C
ATOM	778	N4	C B	7	-1.190	-2.509	44.118	1.00	0.00	N
ATOM	779	C5	C B	7	-3.574	-2.512	44.305	1.00	0.00	C
ATOM	780	C6	C B	7	-4.694	-1.733	44.379	1.00	0.00	C
ATOM	781	C2'	C B	7	-7.034	-0.112	43.668	1.00	0.00	C
ATOM	782	C3'	C B	7	-8.193	0.307	44.559	1.00	0.00	C
ATOM	783	O3'	C B	7	-8.589	1.633	44.219	1.00	0.00	O
ATOM	784	C4'	C B	7	-7.592	0.225	45.960	1.00	0.00	C
ATOM	785	O4'	C B	7	-6.190	0.598	45.774	1.00	0.00	O
ATOM	786	C5'	C B	7	-7.647	-1.126	46.637	1.00	0.00	C
ATOM	787	O5'	C B	7	-7.449	-2.173	45.655	1.00	0.00	O
ATOM	788	O1P	C B	7	-9.663	-3.370	45.625	1.00	0.00	O
ATOM	789	O2P	C B	7	-7.564	-4.601	45.018	1.00	0.00	O
ATOM	790	P	C B	7	-8.216	-3.559	45.846	1.00	0.00	P
ATOM	791	H5	C B	7	-3.629	-3.600	44.333	1.00	0.00	H
ATOM	792	H6	C B	7	-5.669	-2.210	44.477	1.00	0.00	H
ATOM	793	H1'	C B	7	-5.590	1.462	44.032	1.00	0.00	H
ATOM	794	H3'	C B	7	-9.049	-0.363	44.458	1.00	0.00	H
ATOM	795	H4'	C B	7	-8.142	0.930	46.583	1.00	0.00	H
ATOM	796	H41	C B	7	-1.209	-3.539	44.152	1.00	0.00	H
ATOM	797	H42	C B	7	-0.290	-2.013	44.031	1.00	0.00	H
ATOM	798	H2'1	C B	7	-6.976	-1.196	43.576	1.00	0.00	H
ATOM	799	H2'2	C B	7	-7.137	0.297	42.663	1.00	0.00	H
ATOM	800	H5'1	C B	7	-6.865	-1.178	47.395	1.00	0.00	H
ATOM	801	H5'2	C B	7	-8.618	-1.247	47.114	1.00	0.00	H
ATOM	802	C1'	C B	8	-4.447	3.812	41.029	1.00	0.00	C
ATOM	803	N1	C B	8	-3.955	2.409	40.954	1.00	0.00	N
ATOM	804	C2	C B	8	-2.582	2.204	40.834	1.00	0.00	C
ATOM	805	O2	C B	8	-1.833	3.189	40.796	1.00	0.00	O
ATOM	806	N3	C B	8	-2.114	0.935	40.764	1.00	0.00	N
ATOM	807	C4	C B	8	-2.950	-0.111	40.807	1.00	0.00	C
ATOM	808	N4	C B	8	-2.437	-1.331	40.738	1.00	0.00	N
ATOM	809	C5	C B	8	-4.368	0.068	40.925	1.00	0.00	C
ATOM	810	C6	C B	8	-4.817	1.357	40.999	1.00	0.00	C
ATOM	811	C2'	C B	8	-5.757	4.044	40.288	1.00	0.00	C
ATOM	812	C3'	C B	8	-6.449	5.064	41.179	1.00	0.00	C
ATOM	813	O3'	C B	8	-5.989	6.370	40.839	1.00	0.00	O
ATOM	814	C4'	C B	8	-6.010	4.644	42.580	1.00	0.00	C
ATOM	815	O4'	C B	8	-4.656	4.121	42.394	1.00	0.00	O
ATOM	816	C5'	C B	8	-6.848	3.585	43.257	1.00	0.00	C
ATOM	817	O5'	C B	8	-7.304	2.619	42.275	1.00	0.00	O
ATOM	818	O1P	C B	8	-9.799	2.954	42.245	1.00	0.00	O

ATOM	819	O2P	C B	8	-8.824	0.723	41.638	1.00	0.00	O
ATOM	820	P	C B	8	-8.738	1.951	42.466	1.00	0.00	P
ATOM	821	H5	C B	8	-5.053	-0.779	40.953	1.00	0.00	H
ATOM	822	H6	C B	8	-5.886	1.544	41.097	1.00	0.00	H
ATOM	823	H1'	C B	8	-3.663	4.469	40.652	1.00	0.00	H
ATOM	824	H3'	C B	8	-7.533	5.025	41.078	1.00	0.00	H
ATOM	825	H4'	C B	8	-6.041	5.538	43.203	1.00	0.00	H
ATOM	826	H41	C B	8	-3.058	-2.153	40.772	1.00	0.00	H
ATOM	827	H42	C B	8	-1.418	-1.458	40.651	1.00	0.00	H
ATOM	828	H2'1	C B	8	-6.347	3.133	40.196	1.00	0.00	H
ATOM	829	H2'2	C B	8	-5.599	4.436	39.283	1.00	0.00	H
ATOM	830	H5'1	C B	8	-6.247	3.082	44.015	1.00	0.00	H
ATOM	831	H5'2	C B	8	-7.705	4.057	43.734	1.00	0.00	H
ATOM	832	C1'	T B	9	-1.372	5.716	37.651	1.00	0.00	C
ATOM	833	N1	T B	9	-1.776	4.287	37.573	1.00	0.00	N
ATOM	834	C2	T B	9	-0.768	3.352	37.454	1.00	0.00	C
ATOM	835	O2	T B	9	0.411	3.657	37.411	1.00	0.00	O
ATOM	836	N3	T B	9	-1.188	2.037	37.386	1.00	0.00	N
ATOM	837	C4	T B	9	-2.491	1.588	37.422	1.00	0.00	C
ATOM	838	O4	T B	9	-2.746	0.380	37.349	1.00	0.00	O
ATOM	839	C5	T B	9	-3.475	2.638	37.549	1.00	0.00	C
ATOM	840	C6	T B	9	-3.101	3.930	37.619	1.00	0.00	C
ATOM	841	C7	T B	9	-4.906	2.193	37.595	1.00	0.00	C
ATOM	842	C2'	T B	9	-2.312	6.662	36.912	1.00	0.00	C
ATOM	843	C3'	T B	9	-2.289	7.893	37.805	1.00	0.00	C
ATOM	844	O3'	T B	9	-1.163	8.698	37.464	1.00	0.00	O
ATOM	845	C4'	T B	9	-2.171	7.295	39.205	1.00	0.00	C
ATOM	846	O4'	T B	9	-1.363	6.090	39.015	1.00	0.00	O
ATOM	847	C5'	T B	9	-3.465	6.909	39.883	1.00	0.00	C
ATOM	848	O5'	T B	9	-4.394	6.384	38.901	1.00	0.00	O
ATOM	849	O1P	T B	9	-6.241	8.092	38.875	1.00	0.00	O
ATOM	850	O2P	T B	9	-6.728	5.707	38.265	1.00	0.00	O
ATOM	851	P	T B	9	-5.952	6.660	39.094	1.00	0.00	P
ATOM	852	H3	T B	9	-0.454	1.320	37.300	1.00	0.00	H
ATOM	853	H6	T B	9	-3.862	4.705	37.714	1.00	0.00	H
ATOM	854	H1'	T B	9	-0.353	5.805	37.273	1.00	0.00	H
ATOM	855	H3'	T B	9	-3.199	8.484	37.705	1.00	0.00	H
ATOM	856	H4'	T B	9	-1.679	8.044	39.828	1.00	0.00	H
ATOM	857	H71	T B	9	-5.428	2.555	36.709	1.00	0.00	H
ATOM	858	H72	T B	9	-4.949	1.104	37.623	1.00	0.00	H
ATOM	859	H73	T B	9	-5.384	2.598	38.488	1.00	0.00	H
ATOM	860	H2'1	T B	9	-3.318	6.256	36.821	1.00	0.00	H
ATOM	861	H2'2	T B	9	-1.959	6.893	35.907	1.00	0.00	H
ATOM	862	H5'1	T B	9	-3.261	6.152	40.640	1.00	0.00	H
ATOM	863	H5'2	T B	9	-3.893	7.788	40.361	1.00	0.00	H
ATOM	864	C1'	A B	10	2.251	5.431	34.271	1.00	0.00	C
ATOM	865	N1	A B	10	0.711	0.554	33.851	1.00	0.00	N
ATOM	866	C2	A B	10	1.916	1.116	33.893	1.00	0.00	C
ATOM	867	N3	A B	10	2.243	2.385	34.006	1.00	0.00	N
ATOM	868	C4	A B	10	1.137	3.147	34.077	1.00	0.00	C
ATOM	869	C5	A B	10	-0.165	2.729	34.047	1.00	0.00	C
ATOM	870	C6	A B	10	-0.374	1.340	33.925	1.00	0.00	C
ATOM	871	N6	A B	10	-1.598	0.784	33.883	1.00	0.00	N
ATOM	872	N7	A B	10	-1.036	3.800	34.146	1.00	0.00	N

ATOM	873	C8	A B	10	-0.251	4.833	34.228	1.00	0.00	C
ATOM	874	N9	A B	10	1.082	4.514	34.196	1.00	0.00	N
ATOM	875	C2'	A B	10	2.045	6.748	33.535	1.00	0.00	C
ATOM	876	C3'	A B	10	2.791	7.730	34.425	1.00	0.00	C
ATOM	877	O3'	A B	10	4.174	7.716	34.081	1.00	0.00	O
ATOM	878	C4'	A B	10	2.540	7.175	35.827	1.00	0.00	C
ATOM	879	O4'	A B	10	2.481	5.725	35.636	1.00	0.00	O
ATOM	880	C5'	A B	10	1.270	7.625	36.509	1.00	0.00	C
ATOM	881	O5'	A B	10	0.205	7.748	35.532	1.00	0.00	O
ATOM	882	O1P	A B	10	-0.282	10.218	35.510	1.00	0.00	O
ATOM	883	O2P	A B	10	-2.082	8.578	34.904	1.00	0.00	O
ATOM	884	P	A B	10	-0.890	8.891	35.729	1.00	0.00	P
ATOM	885	H2	A B	10	2.754	0.423	33.824	1.00	0.00	H
ATOM	886	H8	A B	10	-0.618	5.856	34.314	1.00	0.00	H
ATOM	887	H1'	A B	10	3.124	4.903	33.889	1.00	0.00	H
ATOM	888	H3'	A B	10	2.404	8.744	34.329	1.00	0.00	H
ATOM	889	H4'	A B	10	3.380	7.489	36.446	1.00	0.00	H
ATOM	890	H61	A B	10	-1.695	-0.237	33.796	1.00	0.00	H
ATOM	891	H62	A B	10	-2.436	1.380	33.938	1.00	0.00	H
ATOM	892	H2'1	A B	10	0.992	7.014	33.448	1.00	0.00	H
ATOM	893	H2'2	A B	10	2.464	6.730	32.528	1.00	0.00	H
ATOM	894	H5'1	A B	10	0.991	6.892	37.266	1.00	0.00	H
ATOM	895	H5'2	A B	10	1.442	8.587	36.988	1.00	0.00	H
ATOM	896	C1'	G B	11	4.998	3.052	30.889	1.00	0.00	C
ATOM	897	N1	G B	11	0.894	0.051	30.472	1.00	0.00	N
ATOM	898	C2	G B	11	2.237	-0.281	30.510	1.00	0.00	C
ATOM	899	N2	G B	11	2.524	-1.586	30.424	1.00	0.00	N
ATOM	900	N3	G B	11	3.214	0.617	30.626	1.00	0.00	N
ATOM	901	C4	G B	11	2.741	1.889	30.694	1.00	0.00	C
ATOM	902	C5	G B	11	1.424	2.314	30.659	1.00	0.00	C
ATOM	903	C6	G B	11	0.385	1.362	30.540	1.00	0.00	C
ATOM	904	O6	G B	11	-0.832	1.542	30.492	1.00	0.00	O
ATOM	905	N7	G B	11	1.363	3.706	30.754	1.00	0.00	N
ATOM	906	C8	G B	11	2.616	4.072	30.844	1.00	0.00	C
ATOM	907	N9	G B	11	3.513	3.024	30.813	1.00	0.00	N
ATOM	908	C2'	G B	11	5.628	4.226	30.152	1.00	0.00	C
ATOM	909	C3'	G B	11	6.813	4.562	31.043	1.00	0.00	C
ATOM	910	O3'	G B	11	7.910	3.719	30.700	1.00	0.00	O
ATOM	911	C4'	G B	11	6.278	4.272	32.444	1.00	0.00	C
ATOM	912	O4'	G B	11	5.359	3.149	32.253	1.00	0.00	O
ATOM	913	C5'	G B	11	5.533	5.396	33.124	1.00	0.00	C
ATOM	914	O5'	G B	11	4.759	6.134	32.146	1.00	0.00	O
ATOM	915	O1P	G B	11	5.855	8.399	32.123	1.00	0.00	O
ATOM	916	O2P	G B	11	3.432	8.172	31.516	1.00	0.00	O
ATOM	917	P	G B	11	4.572	7.706	32.342	1.00	0.00	P
ATOM	918	H1	G B	11	0.216	-0.721	30.387	1.00	0.00	H
ATOM	919	H8	G B	11	2.924	5.113	30.934	1.00	0.00	H
ATOM	920	H1'	G B	11	5.378	2.103	30.509	1.00	0.00	H
ATOM	921	H21	G B	11	1.763	-2.275	30.338	1.00	0.00	H
ATOM	922	H3'	G B	11	7.115	5.605	30.946	1.00	0.00	H
ATOM	923	H22	G B	11	3.505	-1.899	30.443	1.00	0.00	H
ATOM	924	H4'	G B	11	7.137	4.018	33.065	1.00	0.00	H
ATOM	925	H2'1	G B	11	4.946	5.072	30.063	1.00	0.00	H
ATOM	926	H2'2	G B	11	5.951	3.958	29.146	1.00	0.00	H

ATOM	927	H5'1	G B	11	4.869	4.979	33.881	1.00	0.00	H
ATOM	928	H5'2	G B	11	6.251	6.061	33.604	1.00	0.00	H
ATOM	929	C1'	G B	12	5.838	-0.469	27.509	1.00	0.00	C
ATOM	930	N1	G B	12	0.753	-0.484	27.092	1.00	0.00	N
ATOM	931	C2	G B	12	1.645	-1.542	27.130	1.00	0.00	C
ATOM	932	N2	G B	12	1.110	-2.767	27.044	1.00	0.00	N
ATOM	933	N3	G B	12	2.962	-1.390	27.246	1.00	0.00	N
ATOM	934	C4	G B	12	3.327	-0.083	27.313	1.00	0.00	C
ATOM	935	C5	G B	12	2.512	1.035	27.279	1.00	0.00	C
ATOM	936	C6	G B	12	1.113	0.875	27.160	1.00	0.00	C
ATOM	937	O6	G B	12	0.234	1.736	27.112	1.00	0.00	O
ATOM	938	N7	G B	12	3.281	2.197	27.374	1.00	0.00	N
ATOM	939	C8	G B	12	4.509	1.757	27.464	1.00	0.00	C
ATOM	940	N9	G B	12	4.619	0.382	27.433	1.00	0.00	N
ATOM	941	C2'	G B	12	7.037	0.111	26.772	1.00	0.00	C
ATOM	942	C3'	G B	12	8.194	-0.314	27.663	1.00	0.00	C
ATOM	943	O3'	G B	12	8.586	-1.641	27.320	1.00	0.00	O
ATOM	944	C4'	G B	12	7.590	-0.234	29.064	1.00	0.00	C
ATOM	945	O4'	G B	12	6.187	-0.602	28.873	1.00	0.00	O
ATOM	946	C5'	G B	12	7.648	1.113	29.744	1.00	0.00	C
ATOM	947	O5'	G B	12	7.455	2.165	28.766	1.00	0.00	O
ATOM	948	O1P	G B	12	9.674	3.353	28.743	1.00	0.00	O
ATOM	949	O2P	G B	12	7.580	4.595	28.136	1.00	0.00	O
ATOM	950	P	G B	12	8.228	3.547	28.962	1.00	0.00	P
ATOM	951	H1	G B	12	-0.250	-0.710	27.007	1.00	0.00	H
ATOM	952	H8	G B	12	5.372	2.417	27.555	1.00	0.00	H
ATOM	953	H1'	G B	12	5.587	-1.459	27.129	1.00	0.00	H
ATOM	954	H21	G B	12	0.089	-2.877	26.958	1.00	0.00	H
ATOM	955	H3'	G B	12	9.051	0.352	27.566	1.00	0.00	H
ATOM	956	H22	G B	12	1.720	-3.596	27.063	1.00	0.00	H
ATOM	957	H4'	G B	12	8.135	-0.944	29.685	1.00	0.00	H
ATOM	958	H2'1	G B	12	6.983	1.196	26.683	1.00	0.00	H
ATOM	959	H2'2	G B	12	7.141	-0.295	25.766	1.00	0.00	H
ATOM	960	H5'1	G B	12	6.866	1.166	30.501	1.00	0.00	H
ATOM	961	H5'2	G B	12	8.620	1.230	30.224	1.00	0.00	H
ATOM	962	C1'	T B	13	4.470	-3.818	24.131	1.00	0.00	C
ATOM	963	N1	T B	13	3.957	-2.425	24.053	1.00	0.00	N
ATOM	964	C2	T B	13	2.591	-2.261	23.934	1.00	0.00	C
ATOM	965	O2	T B	13	1.816	-3.201	23.891	1.00	0.00	O
ATOM	966	N3	T B	13	2.158	-0.950	23.866	1.00	0.00	N
ATOM	967	C4	T B	13	2.948	0.180	23.902	1.00	0.00	C
ATOM	968	O4	T B	13	2.445	1.307	23.829	1.00	0.00	O
ATOM	969	C5	T B	13	4.361	-0.091	24.029	1.00	0.00	C
ATOM	970	C6	T B	13	4.819	-1.357	24.099	1.00	0.00	C
ATOM	971	C7	T B	13	5.259	1.109	24.075	1.00	0.00	C
ATOM	972	C2'	T B	13	5.786	-4.031	23.392	1.00	0.00	C
ATOM	973	C3'	T B	13	6.491	-5.040	24.285	1.00	0.00	C
ATOM	974	O3'	T B	13	6.053	-6.353	23.944	1.00	0.00	O
ATOM	975	C4'	T B	13	6.044	-4.626	25.685	1.00	0.00	C
ATOM	976	O4'	T B	13	4.682	-4.125	25.495	1.00	0.00	O
ATOM	977	C5'	T B	13	6.864	-3.553	26.363	1.00	0.00	C
ATOM	978	O5'	T B	13	7.307	-2.582	25.381	1.00	0.00	O
ATOM	979	O1P	T B	13	9.805	-2.878	25.355	1.00	0.00	O
ATOM	980	O2P	T B	13	8.798	-0.662	24.745	1.00	0.00	O

ATOM	981	P	T B	13	8.730	-1.890	25.574	1.00	0.00	P
ATOM	982	H3	T B	13	1.142	-0.802	23.780	1.00	0.00	H
ATOM	983	H6	T B	13	5.890	-1.536	24.194	1.00	0.00	H
ATOM	984	H1'	T B	13	3.698	-4.489	23.753	1.00	0.00	H
ATOM	985	H3'	T B	13	7.575	-4.984	24.185	1.00	0.00	H
ATOM	986	H4'	T B	13	6.087	-5.520	26.308	1.00	0.00	H
ATOM	987	H71	T B	13	5.893	1.124	23.189	1.00	0.00	H
ATOM	988	H72	T B	13	4.653	2.016	24.103	1.00	0.00	H
ATOM	989	H73	T B	13	5.884	1.063	24.968	1.00	0.00	H
ATOM	990	H2'1	T B	13	6.361	-3.111	23.301	1.00	0.00	H
ATOM	991	H2'2	T B	13	5.637	-4.426	22.387	1.00	0.00	H
ATOM	992	H5'1	T B	13	6.254	-3.061	27.120	1.00	0.00	H
ATOM	993	H5'2	T B	13	7.728	-4.012	26.841	1.00	0.00	H
ATOM	994	C1'	G B	14	1.358	-5.697	20.749	1.00	0.00	C
ATOM	995	N1	G B	14	-0.228	-0.866	20.332	1.00	0.00	N
ATOM	996	C2	G B	14	-0.959	-2.040	20.370	1.00	0.00	C
ATOM	997	N2	G B	14	-2.288	-1.911	20.284	1.00	0.00	N
ATOM	998	N3	G B	14	-0.407	-3.247	20.486	1.00	0.00	N
ATOM	999	C4	G B	14	0.950	-3.190	20.554	1.00	0.00	C
ATOM	1000	C5	G B	14	1.761	-2.069	20.519	1.00	0.00	C
ATOM	1001	C6	G B	14	1.176	-0.787	20.400	1.00	0.00	C
ATOM	1002	O6	G B	14	1.724	0.315	20.352	1.00	0.00	O
ATOM	1003	N7	G B	14	3.104	-2.441	20.614	1.00	0.00	N
ATOM	1004	C8	G B	14	3.064	-3.746	20.704	1.00	0.00	C
ATOM	1005	N9	G B	14	1.790	-4.275	20.673	1.00	0.00	N
ATOM	1006	C2'	G B	14	2.280	-6.659	20.012	1.00	0.00	C
ATOM	1007	C3'	G B	14	2.233	-7.890	20.903	1.00	0.00	C
ATOM	1008	O3'	G B	14	1.092	-8.672	20.560	1.00	0.00	O
ATOM	1009	C4'	G B	14	2.123	-7.290	22.304	1.00	0.00	C
ATOM	1010	O4'	G B	14	1.339	-6.070	22.113	1.00	0.00	O
ATOM	1011	C5'	G B	14	3.422	-6.930	22.984	1.00	0.00	C
ATOM	1012	O5'	G B	14	4.363	-6.421	22.006	1.00	0.00	O
ATOM	1013	O1P	G B	14	6.179	-8.164	21.983	1.00	0.00	O
ATOM	1014	O2P	G B	14	6.712	-5.789	21.376	1.00	0.00	O
ATOM	1015	P	G B	14	5.916	-6.729	22.202	1.00	0.00	P
ATOM	1016	H1	G B	14	-0.753	0.018	20.247	1.00	0.00	H
ATOM	1017	H8	G B	14	3.960	-4.361	20.795	1.00	0.00	H
ATOM	1018	H1'	G B	14	0.338	-5.765	20.369	1.00	0.00	H
ATOM	1019	H21	G B	14	-2.708	-0.973	20.198	1.00	0.00	H
ATOM	1020	H3'	G B	14	3.132	-8.499	20.806	1.00	0.00	H
ATOM	1021	H22	G B	14	-2.889	-2.747	20.303	1.00	0.00	H
ATOM	1022	H4'	G B	14	1.616	-8.029	22.925	1.00	0.00	H
ATOM	1023	H2'1	G B	14	3.295	-6.272	19.923	1.00	0.00	H
ATOM	1024	H2'2	G B	14	1.926	-6.883	19.006	1.00	0.00	H
ATOM	1025	H5'1	G B	14	3.231	-6.170	23.741	1.00	0.00	H
ATOM	1026	H5'2	G B	14	3.833	-7.818	23.464	1.00	0.00	H
ATOM	1027	C1'	C B	15	-2.251	-5.407	17.369	1.00	0.00	C
ATOM	1028	N1	C B	15	-1.069	-4.506	17.294	1.00	0.00	N
ATOM	1029	C2	C B	15	-1.298	-3.137	17.174	1.00	0.00	C
ATOM	1030	O2	C B	15	-2.466	-2.729	17.136	1.00	0.00	O
ATOM	1031	N3	C B	15	-0.235	-2.299	17.104	1.00	0.00	N
ATOM	1032	C4	C B	15	1.017	-2.771	17.147	1.00	0.00	C
ATOM	1033	N4	C B	15	2.019	-1.907	17.078	1.00	0.00	N
ATOM	1034	C5	C B	15	1.284	-4.176	17.265	1.00	0.00	C

ATOM	1035	C6	C B	15	0.198	-4.999	17.339	1.00	0.00	C
ATOM	1036	C2'	C B	15	-2.067	-6.724	16.628	1.00	0.00	C
ATOM	1037	C3'	C B	15	-2.823	-7.698	17.519	1.00	0.00	C
ATOM	1038	O3'	C B	15	-4.208	-7.666	17.179	1.00	0.00	O
ATOM	1039	C4'	C B	15	-2.560	-7.151	18.920	1.00	0.00	C
ATOM	1040	O4'	C B	15	-2.481	-5.702	18.734	1.00	0.00	O
ATOM	1041	C5'	C B	15	-1.292	-7.620	19.597	1.00	0.00	C
ATOM	1042	O5'	C B	15	-0.235	-7.756	18.615	1.00	0.00	O
ATOM	1043	O1P	C B	15	0.219	-10.232	18.585	1.00	0.00	O
ATOM	1044	O2P	C B	15	2.040	-8.616	17.978	1.00	0.00	O
ATOM	1045	P	C B	15	0.846	-8.913	18.806	1.00	0.00	P
ATOM	1046	H5	C B	15	2.302	-4.564	17.294	1.00	0.00	H
ATOM	1047	H6	C B	15	0.350	-6.075	17.436	1.00	0.00	H
ATOM	1048	H1'	C B	15	-3.118	-4.864	16.992	1.00	0.00	H
ATOM	1049	H3'	C B	15	-2.450	-8.717	17.418	1.00	0.00	H
ATOM	1050	H4'	C B	15	-3.401	-7.456	19.543	1.00	0.00	H
ATOM	1051	H41	C B	15	2.993	-2.243	17.112	1.00	0.00	H
ATOM	1052	H42	C B	15	1.825	-0.898	16.991	1.00	0.00	H
ATOM	1053	H2'1	C B	15	-1.018	-7.004	16.536	1.00	0.00	H
ATOM	1054	H2'2	C B	15	-2.488	-6.696	15.623	1.00	0.00	H
ATOM	1055	H5'1	C B	15	-1.001	-6.893	20.355	1.00	0.00	H
ATOM	1056	H5'2	C B	15	-1.477	-8.582	20.074	1.00	0.00	H
ATOM	1057	C1'	G B	16	-4.998	-3.052	13.989	1.00	0.00	C
ATOM	1058	N1	G B	16	-0.894	-0.051	13.572	1.00	0.00	N
ATOM	1059	C2	G B	16	-2.237	0.281	13.610	1.00	0.00	C
ATOM	1060	N2	G B	16	-2.524	1.586	13.524	1.00	0.00	N
ATOM	1061	N3	G B	16	-3.214	-0.617	13.726	1.00	0.00	N
ATOM	1062	C4	G B	16	-2.741	-1.889	13.794	1.00	0.00	C
ATOM	1063	C5	G B	16	-1.424	-2.314	13.759	1.00	0.00	C
ATOM	1064	C6	G B	16	-0.385	-1.361	13.640	1.00	0.00	C
ATOM	1065	O6	G B	16	0.832	-1.542	13.593	1.00	0.00	O
ATOM	1066	N7	G B	16	-1.363	-3.706	13.854	1.00	0.00	N
ATOM	1067	C8	G B	16	-2.616	-4.072	13.944	1.00	0.00	C
ATOM	1068	N9	G B	16	-3.513	-3.024	13.913	1.00	0.00	N
ATOM	1069	C2'	G B	16	-5.628	-4.226	13.252	1.00	0.00	C
ATOM	1070	C3'	G B	16	-6.813	-4.562	14.143	1.00	0.00	C
ATOM	1071	O3'	G B	16	-7.910	-3.719	13.800	1.00	0.00	O
ATOM	1072	C4'	G B	16	-6.278	-4.272	15.544	1.00	0.00	C
ATOM	1073	O4'	G B	16	-5.359	-3.149	15.353	1.00	0.00	O
ATOM	1074	C5'	G B	16	-5.533	-5.396	16.224	1.00	0.00	C
ATOM	1075	O5'	G B	16	-4.759	-6.134	15.246	1.00	0.00	O
ATOM	1076	O1P	G B	16	-5.855	-8.399	15.223	1.00	0.00	O
ATOM	1077	O2P	G B	16	-3.432	-8.172	14.616	1.00	0.00	O
ATOM	1078	P	G B	16	-4.572	-7.706	15.442	1.00	0.00	P
ATOM	1079	H1	G B	16	-0.216	0.721	13.487	1.00	0.00	H
ATOM	1080	H8	G B	16	-2.924	-5.113	14.035	1.00	0.00	H
ATOM	1081	H1'	G B	16	-5.378	-2.103	13.609	1.00	0.00	H
ATOM	1082	H21	G B	16	-1.763	2.275	13.438	1.00	0.00	H
ATOM	1083	H3'	G B	16	-7.115	-5.605	14.046	1.00	0.00	H
ATOM	1084	H22	G B	16	-3.505	1.898	13.544	1.00	0.00	H
ATOM	1085	H4'	G B	16	-7.137	-4.018	16.165	1.00	0.00	H
ATOM	1086	H2'1	G B	16	-4.946	-5.072	13.163	1.00	0.00	H
ATOM	1087	H2'2	G B	16	-5.951	-3.958	12.246	1.00	0.00	H
ATOM	1088	H5'1	G B	16	-4.869	-4.979	16.981	1.00	0.00	H

ATOM	1089	H5'2	G B	16	-6.251	-6.061	16.704	1.00	0.00	H
ATOM	1090	C1'	G B	17	-5.838	0.469	10.609	1.00	0.00	C
ATOM	1091	N1	G B	17	-0.753	0.484	10.192	1.00	0.00	N
ATOM	1092	C2	G B	17	-1.645	1.542	10.230	1.00	0.00	C
ATOM	1093	N2	G B	17	-1.110	2.766	10.144	1.00	0.00	N
ATOM	1094	N3	G B	17	-2.962	1.390	10.346	1.00	0.00	N
ATOM	1095	C4	G B	17	-3.327	0.083	10.413	1.00	0.00	C
ATOM	1096	C5	G B	17	-2.512	-1.035	10.379	1.00	0.00	C
ATOM	1097	C6	G B	17	-1.113	-0.875	10.260	1.00	0.00	C
ATOM	1098	O6	G B	17	-0.234	-1.736	10.213	1.00	0.00	O
ATOM	1099	N7	G B	17	-3.281	-2.197	10.474	1.00	0.00	N
ATOM	1100	C8	G B	17	-4.509	-1.757	10.564	1.00	0.00	C
ATOM	1101	N9	G B	17	-4.619	-0.382	10.533	1.00	0.00	N
ATOM	1102	C2'	G B	17	-7.037	-0.111	9.872	1.00	0.00	C
ATOM	1103	C3'	G B	17	-8.194	0.314	10.763	1.00	0.00	C
ATOM	1104	O3'	G B	17	-8.586	1.641	10.420	1.00	0.00	O
ATOM	1105	C4'	G B	17	-7.590	0.234	12.164	1.00	0.00	C
ATOM	1106	O4'	G B	17	-6.187	0.602	11.973	1.00	0.00	O
ATOM	1107	C5'	G B	17	-7.648	-1.113	12.844	1.00	0.00	C
ATOM	1108	O5'	G B	17	-7.455	-2.165	11.866	1.00	0.00	O
ATOM	1109	O1P	G B	17	-9.674	-3.353	11.843	1.00	0.00	O
ATOM	1110	O2P	G B	17	-7.580	-4.595	11.236	1.00	0.00	O
ATOM	1111	P	G B	17	-8.228	-3.547	12.062	1.00	0.00	P
ATOM	1112	H1	G B	17	0.250	0.710	10.106	1.00	0.00	H
ATOM	1113	H8	G B	17	-5.371	-2.417	10.655	1.00	0.00	H
ATOM	1114	H1'	G B	17	-5.587	1.459	10.229	1.00	0.00	H
ATOM	1115	H21	G B	17	-0.089	2.877	10.058	1.00	0.00	H
ATOM	1116	H3'	G B	17	-9.051	-0.352	10.666	1.00	0.00	H
ATOM	1117	H22	G B	17	-1.720	3.596	10.164	1.00	0.00	H
ATOM	1118	H4'	G B	17	-8.135	0.944	12.785	1.00	0.00	H
ATOM	1119	H2'1	G B	17	-6.983	-1.196	9.783	1.00	0.00	H
ATOM	1120	H2'2	G B	17	-7.141	0.295	8.866	1.00	0.00	H
ATOM	1121	H5'1	G B	17	-6.866	-1.166	13.601	1.00	0.00	H
ATOM	1122	H5'2	G B	17	-8.620	-1.230	13.324	1.00	0.00	H
ATOM	1123	C1'	C B	18	-4.447	3.812	7.229	1.00	0.00	C
ATOM	1124	N1	C B	18	-3.955	2.408	7.154	1.00	0.00	N
ATOM	1125	C2	C B	18	-2.582	2.205	7.035	1.00	0.00	C
ATOM	1126	O2	C B	18	-1.833	3.189	6.997	1.00	0.00	O
ATOM	1127	N3	C B	18	-2.115	0.935	6.964	1.00	0.00	N
ATOM	1128	C4	C B	18	-2.952	-0.110	7.008	1.00	0.00	C
ATOM	1129	N4	C B	18	-2.439	-1.330	6.937	1.00	0.00	N
ATOM	1130	C5	C B	18	-4.367	0.071	7.127	1.00	0.00	C
ATOM	1131	C6	C B	18	-4.815	1.357	7.199	1.00	0.00	C
ATOM	1132	C2'	C B	18	-5.757	4.044	6.488	1.00	0.00	C
ATOM	1133	C3'	C B	18	-6.449	5.064	7.379	1.00	0.00	C
ATOM	1134	O3'	C B	18	-5.989	6.370	7.039	1.00	0.00	O
ATOM	1135	C4'	C B	18	-6.010	4.644	8.780	1.00	0.00	C
ATOM	1136	O4'	C B	18	-4.656	4.121	8.594	1.00	0.00	O
ATOM	1137	C5'	C B	18	-6.848	3.585	9.457	1.00	0.00	C
ATOM	1138	O5'	C B	18	-7.304	2.620	8.475	1.00	0.00	O
ATOM	1139	O1P	C B	18	-9.799	2.953	8.445	1.00	0.00	O
ATOM	1140	O2P	C B	18	-8.824	0.722	7.838	1.00	0.00	O
ATOM	1141	P	C B	18	-8.738	1.950	8.666	1.00	0.00	P
ATOM	1142	H5	C B	18	-5.052	-0.776	7.159	1.00	0.00	H

ATOM	1143	H6	C B	18	-5.884	1.544	7.294	1.00	0.00	H
ATOM	1144	H1'	C B	18	-3.663	4.468	6.852	1.00	0.00	H
ATOM	1145	H3'	C B	18	-7.533	5.025	7.278	1.00	0.00	H
ATOM	1146	H4'	C B	18	-6.040	5.538	9.403	1.00	0.00	H
ATOM	1147	H41	C B	18	-3.061	-2.152	6.970	1.00	0.00	H
ATOM	1148	H42	C B	18	-1.421	-1.457	6.851	1.00	0.00	H
ATOM	1149	H2'1	C B	18	-6.347	3.133	6.396	1.00	0.00	H
ATOM	1150	H2'2	C B	18	-5.599	4.435	5.483	1.00	0.00	H
ATOM	1151	H5'1	C B	18	-6.247	3.082	10.215	1.00	0.00	H
ATOM	1152	H5'2	C B	18	-7.705	4.057	9.934	1.00	0.00	H
ATOM	1153	C1'	C B	19	-1.358	5.698	3.849	1.00	0.00	C
ATOM	1154	N1	C B	19	-1.784	4.274	3.774	1.00	0.00	N
ATOM	1155	C2	C B	19	-0.793	3.301	3.655	1.00	0.00	C
ATOM	1156	O2	C B	19	0.392	3.657	3.618	1.00	0.00	O
ATOM	1157	N3	C B	19	-1.161	1.999	3.585	1.00	0.00	N
ATOM	1158	C4	C B	19	-2.453	1.646	3.628	1.00	0.00	C
ATOM	1159	N4	C B	19	-2.756	0.360	3.557	1.00	0.00	N
ATOM	1160	C5	C B	19	-3.490	2.625	3.748	1.00	0.00	C
ATOM	1161	C6	C B	19	-3.097	3.928	3.818	1.00	0.00	C
ATOM	1162	C2'	C B	19	-2.281	6.654	3.108	1.00	0.00	C
ATOM	1163	C3'	C B	19	-2.241	7.887	3.999	1.00	0.00	C
ATOM	1164	O3'	C B	19	-1.102	8.674	3.659	1.00	0.00	O
ATOM	1165	C4'	C B	19	-2.133	7.290	5.400	1.00	0.00	C
ATOM	1166	O4'	C B	19	-1.345	6.071	5.214	1.00	0.00	O
ATOM	1167	C5'	C B	19	-3.434	6.924	6.077	1.00	0.00	C
ATOM	1168	O5'	C B	19	-4.370	6.412	5.095	1.00	0.00	O
ATOM	1169	O1P	C B	19	-6.191	8.149	5.065	1.00	0.00	O
ATOM	1170	O2P	C B	19	-6.714	5.771	4.458	1.00	0.00	O
ATOM	1171	P	C B	19	-5.923	6.714	5.286	1.00	0.00	P
ATOM	1172	H5	C B	19	-4.542	2.343	3.781	1.00	0.00	H
ATOM	1173	H6	C B	19	-3.852	4.709	3.912	1.00	0.00	H
ATOM	1174	H1'	C B	19	-0.337	5.768	3.472	1.00	0.00	H
ATOM	1175	H3'	C B	19	-3.142	8.492	3.898	1.00	0.00	H
ATOM	1176	H4'	C B	19	-1.631	8.031	6.023	1.00	0.00	H
ATOM	1177	H41	C B	19	-3.741	0.059	3.589	1.00	0.00	H
ATOM	1178	H42	C B	19	-2.006	-0.343	3.470	1.00	0.00	H
ATOM	1179	H2'1	C B	19	-3.294	6.265	3.016	1.00	0.00	H
ATOM	1180	H2'2	C B	19	-1.923	6.879	2.103	1.00	0.00	H
ATOM	1181	H5'1	C B	19	-3.242	6.166	6.835	1.00	0.00	H
ATOM	1182	H5'2	C B	19	-3.849	7.811	6.554	1.00	0.00	H
ATOM	1183	C1'	T B	20	2.250	5.431	0.471	1.00	0.00	C
ATOM	1184	N1	T B	20	1.083	4.513	0.393	1.00	0.00	N
ATOM	1185	C2	T B	20	1.349	3.164	0.274	1.00	0.00	C
ATOM	1186	O2	T B	20	2.482	2.716	0.232	1.00	0.00	O
ATOM	1187	N3	T B	20	0.236	2.348	0.205	1.00	0.00	N
ATOM	1188	C4	T B	20	-1.081	2.750	0.243	1.00	0.00	C
ATOM	1189	O4	T B	20	-1.998	1.922	0.171	1.00	0.00	O
ATOM	1190	C5	T B	20	-1.260	4.176	0.369	1.00	0.00	C
ATOM	1191	C6	T B	20	-0.199	5.003	0.439	1.00	0.00	C
ATOM	1192	C7	T B	20	-2.679	4.659	0.415	1.00	0.00	C
ATOM	1193	C2'	T B	20	2.045	6.748	-0.268	1.00	0.00	C
ATOM	1194	C3'	T B	20	2.787	7.731	0.625	1.00	0.00	C
ATOM	1195	O3'	T B	20	4.172	7.721	0.284	1.00	0.00	O
ATOM	1196	C4'	T B	20	2.532	7.178	2.025	1.00	0.00	C

ATOM	1197	O4'	T B	20	2.476	5.728	1.835	1.00	0.00	O
ATOM	1198	C5'	T B	20	1.258	7.626	2.703	1.00	0.00	C
ATOM	1199	O5'	T B	20	0.197	7.747	1.721	1.00	0.00	O
ATOM	1200	O1P	T B	20	-0.293	10.215	1.695	1.00	0.00	O
ATOM	1201	O2P	T B	20	-2.089	8.572	1.085	1.00	0.00	O
ATOM	1202	P	T B	20	-0.900	8.887	1.914	1.00	0.00	P
ATOM	1203	H3	T B	20	0.408	1.337	0.117	1.00	0.00	H
ATOM	1204	H6	T B	20	-0.359	6.077	0.534	1.00	0.00	H
ATOM	1205	H1'	T B	20	3.126	4.904	0.093	1.00	0.00	H
ATOM	1206	H3'	T B	20	2.399	8.744	0.525	1.00	0.00	H
ATOM	1207	H4'	T B	20	3.369	7.495	2.648	1.00	0.00	H
ATOM	1208	H3T	T B	20	4.364	7.864	-0.645	1.00	0.00	H
ATOM	1209	H71	T B	20	-2.889	5.258	-0.471	1.00	0.00	H
ATOM	1210	H72	T B	20	-3.354	3.802	0.443	1.00	0.00	H
ATOM	1211	H73	T B	20	-2.829	5.267	1.308	1.00	0.00	H
ATOM	1212	H2'1	T B	20	0.993	7.011	-0.359	1.00	0.00	H
ATOM	1213	H2'2	T B	20	2.467	6.728	-1.273	1.00	0.00	H
ATOM	1214	H5'1	T B	20	0.978	6.894	3.460	1.00	0.00	H
ATOM	1215	H5'2	T B	20	1.428	8.589	3.181	1.00	0.00	H
TER										
ATOM	1	C1'	A A	1	6.665	33.054	16.457	1.00	0.00	C
ATOM	2	N1	A A	1	1.819	34.704	16.821	1.00	0.00	N
ATOM	3	C2	A A	1	2.965	35.169	17.309	1.00	0.00	C
ATOM	4	N3	A A	1	4.185	34.694	17.174	1.00	0.00	N
ATOM	5	C4	A A	1	4.170	33.577	16.425	1.00	0.00	C
ATOM	6	C5	A A	1	3.085	32.972	15.855	1.00	0.00	C
ATOM	7	C6	A A	1	1.835	33.588	16.077	1.00	0.00	C
ATOM	8	N6	A A	1	0.682	33.108	15.580	1.00	0.00	N
ATOM	9	N7	A A	1	3.456	31.838	15.154	1.00	0.00	N
ATOM	10	C8	A A	1	4.745	31.781	15.316	1.00	0.00	C
ATOM	11	N9	A A	1	5.250	32.803	16.075	1.00	0.00	N
ATOM	12	C2'	A A	1	7.452	31.787	16.760	1.00	0.00	C
ATOM	13	C3'	A A	1	8.833	32.138	16.228	1.00	0.00	C
ATOM	14	O3'	A A	1	9.550	32.860	17.227	1.00	0.00	O
ATOM	15	C4'	A A	1	8.519	33.001	15.007	1.00	0.00	C
ATOM	16	O4'	A A	1	7.294	33.713	15.375	1.00	0.00	O
ATOM	17	C5'	A A	1	8.279	32.265	13.710	1.00	0.00	C
ATOM	18	O5'	A A	1	7.578	31.023	13.972	1.00	0.00	O
ATOM	19	H2	A A	1	2.883	36.076	17.908	1.00	0.00	H
ATOM	20	H8	A A	1	5.366	30.993	14.887	1.00	0.00	H
ATOM	21	H1'	A A	1	6.672	33.732	17.311	1.00	0.00	H
ATOM	22	H3'	A A	1	9.401	31.250	15.947	1.00	0.00	H
ATOM	23	H4'	A A	1	9.370	33.665	14.862	1.00	0.00	H
ATOM	24	H61	A A	1	-0.202	33.595	15.770	1.00	0.00	H
ATOM	25	H62	A A	1	0.688	32.251	15.008	1.00	0.00	H
ATOM	26	H5T	A A	1	7.770	30.260	13.423	1.00	0.00	H
ATOM	27	H2'1	A A	1	7.043	30.914	16.253	1.00	0.00	H
ATOM	28	H2'2	A A	1	7.484	31.564	17.826	1.00	0.00	H
ATOM	29	H5'1	A A	1	7.682	32.892	13.048	1.00	0.00	H
ATOM	30	H5'2	A A	1	9.236	32.054	13.236	1.00	0.00	H
ATOM	31	C1'	G A	2	5.688	34.504	21.105	1.00	0.00	C
ATOM	32	N1	G A	2	0.866	33.421	19.846	1.00	0.00	N
ATOM	33	C2	G A	2	1.378	34.492	20.552	1.00	0.00	C
ATOM	34	N2	G A	2	0.489	35.395	20.981	1.00	0.00	N

ATOM	35	N3	G A	2	2.675	34.652	20.809	1.00	0.00	N
ATOM	36	C4	G A	2	3.430	33.641	20.305	1.00	0.00	C
ATOM	37	C5	G A	2	3.006	32.531	19.591	1.00	0.00	C
ATOM	38	C6	G A	2	1.628	32.365	19.315	1.00	0.00	C
ATOM	39	O6	G A	2	1.064	31.458	18.701	1.00	0.00	O
ATOM	40	N7	G A	2	4.097	31.727	19.255	1.00	0.00	N
ATOM	41	C8	G A	2	5.124	32.361	19.760	1.00	0.00	C
ATOM	42	N9	G A	2	4.799	33.532	20.414	1.00	0.00	N
ATOM	43	C2'	G A	2	6.840	33.854	21.859	1.00	0.00	C
ATOM	44	C3'	G A	2	7.961	34.860	21.658	1.00	0.00	C
ATOM	45	O3'	G A	2	7.853	35.884	22.645	1.00	0.00	O
ATOM	46	C4'	G A	2	7.695	35.387	20.248	1.00	0.00	C
ATOM	47	O4'	G A	2	6.239	35.360	20.122	1.00	0.00	O
ATOM	48	C5'	G A	2	8.296	34.594	19.112	1.00	0.00	C
ATOM	49	O5'	G A	2	8.247	33.179	19.422	1.00	0.00	O
ATOM	50	O1P	G A	2	10.674	32.547	19.635	1.00	0.00	O
ATOM	51	O2P	G A	2	8.985	30.825	18.946	1.00	0.00	O
ATOM	52	P	G A	2	9.428	32.240	18.907	1.00	0.00	P
ATOM	53	H1	G A	2	-0.154	33.393	19.699	1.00	0.00	H
ATOM	54	H8	G A	2	6.147	31.997	19.673	1.00	0.00	H
ATOM	55	H1'	G A	2	5.077	35.110	21.774	1.00	0.00	H
ATOM	56	H21	G A	2	-0.513	35.266	20.778	1.00	0.00	H
ATOM	57	H3'	G A	2	8.945	34.396	21.725	1.00	0.00	H
ATOM	58	H22	G A	2	0.807	36.216	21.515	1.00	0.00	H
ATOM	59	H4'	G A	2	8.107	36.395	20.205	1.00	0.00	H
ATOM	60	H2'1	G A	2	7.105	32.879	21.448	1.00	0.00	H
ATOM	61	H2'2	G A	2	6.616	33.714	22.917	1.00	0.00	H
ATOM	62	H5'1	G A	2	7.731	34.791	18.201	1.00	0.00	H
ATOM	63	H5'2	G A	2	9.330	34.905	18.966	1.00	0.00	H
ATOM	64	C1'	G A	3	2.710	35.400	24.959	1.00	0.00	C
ATOM	65	N1	G A	3	-0.299	31.950	22.711	1.00	0.00	N
ATOM	66	C2	G A	3	-0.622	33.155	23.304	1.00	0.00	C
ATOM	67	N2	G A	3	-1.920	33.486	23.300	1.00	0.00	N
ATOM	68	N3	G A	3	0.276	33.967	23.856	1.00	0.00	N
ATOM	69	C4	G A	3	1.539	33.472	23.777	1.00	0.00	C
ATOM	70	C5	G A	3	1.954	32.279	23.207	1.00	0.00	C
ATOM	71	C6	G A	3	1.000	31.419	22.616	1.00	0.00	C
ATOM	72	O6	G A	3	1.171	30.330	22.066	1.00	0.00	O
ATOM	73	N7	G A	3	3.337	32.140	23.334	1.00	0.00	N
ATOM	74	C8	G A	3	3.709	33.227	23.957	1.00	0.00	C
ATOM	75	N9	G A	3	2.673	34.086	24.261	1.00	0.00	N
ATOM	76	C2'	G A	3	3.715	35.460	26.101	1.00	0.00	C
ATOM	77	C3'	G A	3	4.214	36.892	26.010	1.00	0.00	C
ATOM	78	O3'	G A	3	3.316	37.747	26.714	1.00	0.00	O
ATOM	79	C4'	G A	3	4.206	37.161	24.506	1.00	0.00	C
ATOM	80	O4'	G A	3	3.071	36.383	24.008	1.00	0.00	O
ATOM	81	C5'	G A	3	5.444	36.750	23.745	1.00	0.00	C
ATOM	82	O5'	G A	3	5.979	35.524	24.301	1.00	0.00	O
ATOM	83	O1P	G A	3	8.192	36.237	25.265	1.00	0.00	O
ATOM	84	O2P	G A	3	7.859	33.870	24.506	1.00	0.00	O
ATOM	85	P	G A	3	7.560	35.309	24.309	1.00	0.00	P
ATOM	86	H1	G A	3	-1.071	31.397	22.308	1.00	0.00	H
ATOM	87	H8	G A	3	4.746	33.438	24.215	1.00	0.00	H
ATOM	88	H1'	G A	3	1.704	35.628	25.311	1.00	0.00	H

ATOM	89	H21	G A	3	-2.610	32.854	22.868	1.00	0.00	H
ATOM	90	H3'	G A	3	5.217	37.003	26.424	1.00	0.00	H
ATOM	91	H22	G A	3	-2.226	34.370	23.728	1.00	0.00	H
ATOM	92	H4'	G A	3	4.076	38.235	24.376	1.00	0.00	H
ATOM	93	H2'1	G A	3	4.529	34.747	25.973	1.00	0.00	H
ATOM	94	H2'2	G A	3	3.254	35.261	27.069	1.00	0.00	H
ATOM	95	H5'1	G A	3	5.186	36.599	22.697	1.00	0.00	H
ATOM	96	H5'2	G A	3	6.188	37.544	23.818	1.00	0.00	H
ATOM	97	C1'	C A	4	-1.406	34.767	27.641	1.00	0.00	C
ATOM	98	N1	C A	4	-0.586	33.595	27.225	1.00	0.00	N
ATOM	99	C2	C A	4	-1.235	32.540	26.588	1.00	0.00	C
ATOM	100	O2	C A	4	-2.455	32.617	26.395	1.00	0.00	O
ATOM	101	N3	C A	4	-0.507	31.464	26.202	1.00	0.00	N
ATOM	102	C4	C A	4	0.812	31.409	26.427	1.00	0.00	C
ATOM	103	N4	C A	4	1.475	30.334	26.025	1.00	0.00	N
ATOM	104	C5	C A	4	1.503	32.479	27.082	1.00	0.00	C
ATOM	105	C6	C A	4	0.752	33.553	27.459	1.00	0.00	C
ATOM	106	C2'	C A	4	-0.985	35.368	28.974	1.00	0.00	C
ATOM	107	C3'	C A	4	-1.224	36.853	28.743	1.00	0.00	C
ATOM	108	O3'	C A	4	-2.594	37.152	29.005	1.00	0.00	O
ATOM	109	C4'	C A	4	-0.867	37.029	27.269	1.00	0.00	C
ATOM	110	O4'	C A	4	-1.264	35.765	26.647	1.00	0.00	O
ATOM	111	C5'	C A	4	0.589	37.283	26.957	1.00	0.00	C
ATOM	112	O5'	C A	4	1.425	36.520	27.864	1.00	0.00	O
ATOM	113	O1P	C A	4	2.584	38.293	29.222	1.00	0.00	O
ATOM	114	O2P	C A	4	3.680	36.063	28.875	1.00	0.00	O
ATOM	115	P	C A	4	2.818	37.141	28.330	1.00	0.00	P
ATOM	116	H5	C A	4	2.577	32.436	27.271	1.00	0.00	H
ATOM	117	H6	C A	4	1.234	34.394	27.957	1.00	0.00	H
ATOM	118	H1'	C A	4	-2.451	34.461	27.662	1.00	0.00	H
ATOM	119	H3'	C A	4	-0.592	37.471	29.379	1.00	0.00	H
ATOM	120	H4'	C A	4	-1.439	37.882	26.904	1.00	0.00	H
ATOM	121	H41	C A	4	2.491	30.267	26.184	1.00	0.00	H
ATOM	122	H42	C A	4	0.976	29.565	25.556	1.00	0.00	H
ATOM	123	H2'1	C A	4	0.060	35.168	29.208	1.00	0.00	H
ATOM	124	H2'2	C A	4	-1.585	34.993	29.805	1.00	0.00	H
ATOM	125	H5'1	C A	4	0.794	36.986	25.929	1.00	0.00	H
ATOM	126	H5'2	C A	4	0.799	38.347	27.071	1.00	0.00	H
ATOM	127	C1'	C A	5	-5.337	32.199	29.215	1.00	0.00	C
ATOM	128	N1	C A	5	-3.974	31.602	29.267	1.00	0.00	N
ATOM	129	C2	C A	5	-3.792	30.343	28.700	1.00	0.00	C
ATOM	130	O2	C A	5	-4.762	29.774	28.181	1.00	0.00	O
ATOM	131	N3	C A	5	-2.558	29.782	28.737	1.00	0.00	N
ATOM	132	C4	C A	5	-1.529	30.419	29.307	1.00	0.00	C
ATOM	133	N4	C A	5	-0.345	29.827	29.312	1.00	0.00	N
ATOM	134	C5	C A	5	-1.688	31.715	29.899	1.00	0.00	C
ATOM	135	C6	C A	5	-2.937	32.261	29.847	1.00	0.00	C
ATOM	136	C2'	C A	5	-5.715	32.976	30.468	1.00	0.00	C
ATOM	137	C3'	C A	5	-6.542	34.116	29.896	1.00	0.00	C
ATOM	138	O3'	C A	5	-7.888	33.678	29.725	1.00	0.00	O
ATOM	139	C4'	C A	5	-5.854	34.401	28.564	1.00	0.00	C
ATOM	140	O4'	C A	5	-5.373	33.094	28.118	1.00	0.00	O
ATOM	141	C5'	C A	5	-4.685	35.358	28.603	1.00	0.00	C
ATOM	142	O5'	C A	5	-3.933	35.164	29.829	1.00	0.00	O

ATOM	143	O1P	C A	5	-4.277	37.325	31.071	1.00	0.00	O
ATOM	144	O2P	C A	5	-2.205	35.966	31.466	1.00	0.00	O
ATOM	145	P	C A	5	-3.246	36.428	30.515	1.00	0.00	P
ATOM	146	H5	C A	5	-0.854	32.237	30.369	1.00	0.00	H
ATOM	147	H6	C A	5	-3.107	33.247	30.281	1.00	0.00	H
ATOM	148	H1'	C A	5	-6.051	31.399	29.019	1.00	0.00	H
ATOM	149	H3'	C A	5	-6.529	34.994	30.543	1.00	0.00	H
ATOM	150	H4'	C A	5	-6.609	34.827	27.902	1.00	0.00	H
ATOM	151	H41	C A	5	0.465	30.296	29.743	1.00	0.00	H
ATOM	152	H42	C A	5	-0.233	28.894	28.887	1.00	0.00	H
ATOM	153	H2'1	C A	5	-4.842	33.349	31.003	1.00	0.00	H
ATOM	154	H2'2	C A	5	-6.297	32.374	31.168	1.00	0.00	H
ATOM	155	H5'1	C A	5	-4.041	35.173	27.743	1.00	0.00	H
ATOM	156	H5'2	C A	5	-5.059	36.380	28.558	1.00	0.00	H
ATOM	157	C1'	G A	6	-7.833	28.029	30.168	1.00	0.00	C
ATOM	158	N1	G A	6	-3.171	25.990	30.531	1.00	0.00	N
ATOM	159	C2	G A	6	-4.312	25.495	29.924	1.00	0.00	C
ATOM	160	N2	G A	6	-4.196	24.297	29.339	1.00	0.00	N
ATOM	161	N3	G A	6	-5.475	26.144	29.904	1.00	0.00	N
ATOM	162	C4	G A	6	-5.411	27.337	30.551	1.00	0.00	C
ATOM	163	C5	G A	6	-4.322	27.909	31.186	1.00	0.00	C
ATOM	164	C6	G A	6	-3.086	27.223	31.205	1.00	0.00	C
ATOM	165	O6	G A	6	-2.017	27.562	31.713	1.00	0.00	O
ATOM	166	N7	G A	6	-4.674	29.145	31.730	1.00	0.00	N
ATOM	167	C8	G A	6	-5.934	29.284	31.412	1.00	0.00	C
ATOM	168	N9	G A	6	-6.455	28.225	30.695	1.00	0.00	N
ATOM	169	C2'	G A	6	-8.924	28.544	31.096	1.00	0.00	C
ATOM	170	C3'	G A	6	-9.956	29.070	30.112	1.00	0.00	C
ATOM	171	O3'	G A	6	-10.787	27.994	29.684	1.00	0.00	O
ATOM	172	C4'	G A	6	-9.094	29.622	28.978	1.00	0.00	C
ATOM	173	O4'	G A	6	-7.932	28.735	28.946	1.00	0.00	O
ATOM	174	C5'	G A	6	-8.613	31.045	29.132	1.00	0.00	C
ATOM	175	O5'	G A	6	-8.309	31.313	30.524	1.00	0.00	O
ATOM	176	O1P	G A	6	-10.031	33.029	31.175	1.00	0.00	O
ATOM	177	O2P	G A	6	-7.823	32.953	32.365	1.00	0.00	O
ATOM	178	P	G A	6	-8.580	32.775	31.101	1.00	0.00	P
ATOM	179	H1	G A	6	-2.318	25.411	30.484	1.00	0.00	H
ATOM	180	H8	G A	6	-6.525	30.157	31.688	1.00	0.00	H
ATOM	181	H1'	G A	6	-7.969	26.968	29.955	1.00	0.00	H
ATOM	182	H21	G A	6	-3.293	23.802	29.355	1.00	0.00	H
ATOM	183	H3'	G A	6	-10.578	29.853	30.550	1.00	0.00	H
ATOM	184	H22	G A	6	-5.010	23.871	28.872	1.00	0.00	H
ATOM	185	H4'	G A	6	-9.694	29.570	28.070	1.00	0.00	H
ATOM	186	H2'1	G A	6	-8.566	29.335	31.757	1.00	0.00	H
ATOM	187	H2'2	G A	6	-9.339	27.756	31.725	1.00	0.00	H
ATOM	188	H5'1	G A	6	-7.719	31.189	28.526	1.00	0.00	H
ATOM	189	H5'2	G A	6	-9.391	31.726	28.787	1.00	0.00	H
ATOM	190	C1'	C A	7	-8.194	23.204	31.225	1.00	0.00	C
ATOM	191	N1	C A	7	-7.330	24.095	32.046	1.00	0.00	N
ATOM	192	C2	C A	7	-6.010	23.706	32.260	1.00	0.00	C
ATOM	193	O2	C A	7	-5.611	22.644	31.764	1.00	0.00	O
ATOM	194	N3	C A	7	-5.205	24.503	33.005	1.00	0.00	N
ATOM	195	C4	C A	7	-5.665	25.646	33.531	1.00	0.00	C
ATOM	196	N4	C A	7	-4.835	26.388	34.249	1.00	0.00	N

ATOM	197	C5	C A	7	-7.020	26.070	33.331	1.00	0.00	C
ATOM	198	C6	C A	7	-7.811	25.253	32.573	1.00	0.00	C
ATOM	199	C2'	C A	7	-9.631	23.116	31.719	1.00	0.00	C
ATOM	200	C3'	C A	7	-10.409	23.008	30.416	1.00	0.00	C
ATOM	201	O3'	C A	7	-10.437	21.644	30.000	1.00	0.00	O
ATOM	202	C4'	C A	7	-9.601	23.886	29.464	1.00	0.00	C
ATOM	203	O4'	C A	7	-8.216	23.722	29.907	1.00	0.00	O
ATOM	204	C5'	C A	7	-9.935	25.361	29.465	1.00	0.00	C
ATOM	205	O5'	C A	7	-10.264	25.789	30.810	1.00	0.00	O
ATOM	206	O1P	C A	7	-12.700	26.401	30.648	1.00	0.00	O
ATOM	207	O2P	C A	7	-11.240	27.503	32.365	1.00	0.00	O
ATOM	208	P	C A	7	-11.366	26.924	31.006	1.00	0.00	P
ATOM	209	H5	C A	7	-7.402	26.996	33.762	1.00	0.00	H
ATOM	210	H6	C A	7	-8.847	25.536	32.386	1.00	0.00	H
ATOM	211	H1'	C A	7	-7.732	22.218	31.190	1.00	0.00	H
ATOM	212	H3'	C A	7	-11.431	23.375	30.520	1.00	0.00	H
ATOM	213	H4'	C A	7	-9.775	23.506	28.458	1.00	0.00	H
ATOM	214	H41	C A	7	-5.162	27.273	34.662	1.00	0.00	H
ATOM	215	H42	C A	7	-3.862	26.082	34.394	1.00	0.00	H
ATOM	216	H2'1	C A	7	-9.929	23.998	32.286	1.00	0.00	H
ATOM	217	H2'2	C A	7	-9.798	22.246	32.355	1.00	0.00	H
ATOM	218	H5'1	C A	7	-9.075	25.923	29.098	1.00	0.00	H
ATOM	219	H5'2	C A	7	-10.784	25.535	28.805	1.00	0.00	H
ATOM	220	C1'	A A	8	-6.551	18.909	33.057	1.00	0.00	C
ATOM	221	N1	A A	8	-3.666	21.940	36.030	1.00	0.00	N
ATOM	222	C2	A A	8	-3.403	20.817	35.368	1.00	0.00	C
ATOM	223	N3	A A	8	-4.195	20.084	34.615	1.00	0.00	N
ATOM	224	C4	A A	8	-5.427	20.626	34.572	1.00	0.00	C
ATOM	225	C5	A A	8	-5.857	21.766	35.190	1.00	0.00	C
ATOM	226	C6	A A	8	-4.903	22.457	35.966	1.00	0.00	C
ATOM	227	N6	A A	8	-5.180	23.591	36.631	1.00	0.00	N
ATOM	228	N7	A A	8	-7.191	22.012	34.915	1.00	0.00	N
ATOM	229	C8	A A	8	-7.538	21.022	34.145	1.00	0.00	C
ATOM	230	N9	A A	8	-6.518	20.141	33.891	1.00	0.00	N
ATOM	231	C2'	A A	8	-7.855	18.130	33.167	1.00	0.00	C
ATOM	232	C3'	A A	8	-8.026	17.599	31.752	1.00	0.00	C
ATOM	233	O3'	A A	8	-7.279	16.393	31.613	1.00	0.00	O
ATOM	234	C4'	A A	8	-7.462	18.730	30.893	1.00	0.00	C
ATOM	235	O4'	A A	8	-6.385	19.298	31.708	1.00	0.00	O
ATOM	236	C5'	A A	8	-8.424	19.834	30.523	1.00	0.00	C
ATOM	237	O5'	A A	8	-9.327	20.089	31.629	1.00	0.00	O
ATOM	238	O1P	A A	8	-11.568	19.388	30.721	1.00	0.00	O
ATOM	239	O2P	A A	8	-11.431	21.136	32.517	1.00	0.00	O
ATOM	240	P	A A	8	-10.828	20.522	31.308	1.00	0.00	P
ATOM	241	H2	A A	8	-2.383	20.449	35.464	1.00	0.00	H
ATOM	242	H8	A A	8	-8.542	20.903	33.740	1.00	0.00	H
ATOM	243	H1'	A A	8	-5.700	18.288	33.334	1.00	0.00	H
ATOM	244	H3'	A A	8	-9.071	17.406	31.512	1.00	0.00	H
ATOM	245	H4'	A A	8	-7.103	18.277	29.970	1.00	0.00	H
ATOM	246	H61	A A	8	-4.446	24.058	37.181	1.00	0.00	H
ATOM	247	H62	A A	8	-6.128	23.993	36.589	1.00	0.00	H
ATOM	248	H2'1	A A	8	-8.692	18.763	33.457	1.00	0.00	H
ATOM	249	H2'2	A A	8	-7.790	17.317	33.891	1.00	0.00	H
ATOM	250	H5'1	A A	8	-7.858	20.738	30.295	1.00	0.00	H

ATOM	251	H5'2	A A	8	-8.993	19.534	29.645	1.00	0.00	H
ATOM	252	C1'	C A	9	-3.733	16.164	36.088	1.00	0.00	C
ATOM	253	N1	C A	9	-4.582	17.258	36.634	1.00	0.00	N
ATOM	254	C2	C A	9	-3.981	18.196	37.471	1.00	0.00	C
ATOM	255	O2	C A	9	-2.774	18.082	37.724	1.00	0.00	O
ATOM	256	N3	C A	9	-4.736	19.199	37.978	1.00	0.00	N
ATOM	257	C4	C A	9	-6.040	19.295	37.687	1.00	0.00	C
ATOM	258	N4	C A	9	-6.731	20.298	38.208	1.00	0.00	N
ATOM	259	C5	C A	9	-6.687	18.342	36.832	1.00	0.00	C
ATOM	260	C6	C A	9	-5.905	17.342	36.328	1.00	0.00	C
ATOM	261	C2'	C A	9	-4.442	14.820	36.004	1.00	0.00	C
ATOM	262	C3'	C A	9	-3.855	14.230	34.729	1.00	0.00	C
ATOM	263	O3'	C A	9	-2.617	13.593	35.037	1.00	0.00	O
ATOM	264	C4'	C A	9	-3.667	15.458	33.842	1.00	0.00	C
ATOM	265	O4'	C A	9	-3.343	16.536	34.778	1.00	0.00	O
ATOM	266	C5'	C A	9	-4.861	15.880	33.018	1.00	0.00	C
ATOM	267	O5'	C A	9	-6.080	15.657	33.771	1.00	0.00	O
ATOM	268	O1P	C A	9	-7.251	13.853	32.464	1.00	0.00	O
ATOM	269	O2P	C A	9	-8.586	15.470	33.842	1.00	0.00	O
ATOM	270	P	C A	9	-7.399	15.225	32.985	1.00	0.00	P
ATOM	271	H5	C A	9	-7.750	18.413	36.596	1.00	0.00	H
ATOM	272	H6	C A	9	-6.350	16.599	35.667	1.00	0.00	H
ATOM	273	H1'	C A	9	-2.833	16.094	36.698	1.00	0.00	H
ATOM	274	H3'	C A	9	-4.528	13.509	34.267	1.00	0.00	H
ATOM	275	H4'	C A	9	-2.852	15.231	33.155	1.00	0.00	H
ATOM	276	H41	C A	9	-7.735	20.397	37.997	1.00	0.00	H
ATOM	277	H42	C A	9	-6.264	20.980	38.824	1.00	0.00	H
ATOM	278	H2'1	C A	9	-5.524	14.926	35.928	1.00	0.00	H
ATOM	279	H2'2	C A	9	-4.234	14.188	36.868	1.00	0.00	H
ATOM	280	H5'1	C A	9	-4.770	16.937	32.768	1.00	0.00	H
ATOM	281	H5'2	C A	9	-4.884	15.296	32.098	1.00	0.00	H
ATOM	282	C1'	C A	10	-1.119	15.344	40.213	1.00	0.00	C
ATOM	283	N1	C A	10	-2.512	15.862	40.292	1.00	0.00	N
ATOM	284	C2	C A	10	-2.740	17.003	41.058	1.00	0.00	C
ATOM	285	O2	C A	10	-1.784	17.536	41.638	1.00	0.00	O
ATOM	286	N3	C A	10	-4.001	17.493	41.143	1.00	0.00	N
ATOM	287	C4	C A	10	-5.016	16.895	40.505	1.00	0.00	C
ATOM	288	N4	C A	10	-6.229	17.417	40.620	1.00	0.00	N
ATOM	289	C5	C A	10	-4.812	15.717	39.714	1.00	0.00	C
ATOM	290	C6	C A	10	-3.532	15.245	39.638	1.00	0.00	C
ATOM	291	C2'	C A	10	-1.030	13.824	40.209	1.00	0.00	C
ATOM	292	C3'	C A	10	0.146	13.578	39.275	1.00	0.00	C
ATOM	293	O3'	C A	10	1.360	13.678	40.016	1.00	0.00	O
ATOM	294	C4'	C A	10	0.003	14.697	38.247	1.00	0.00	C
ATOM	295	O4'	C A	10	-0.550	15.818	39.006	1.00	0.00	O
ATOM	296	C5'	C A	10	-0.904	14.417	37.071	1.00	0.00	C
ATOM	297	O5'	C A	10	-2.038	13.624	37.505	1.00	0.00	O
ATOM	298	O1P	C A	10	-1.707	11.432	36.315	1.00	0.00	O
ATOM	299	O2P	C A	10	-4.016	12.178	36.950	1.00	0.00	O
ATOM	300	P	C A	10	-2.652	12.550	36.500	1.00	0.00	P
ATOM	301	H5	C A	10	-5.635	15.223	39.197	1.00	0.00	H
ATOM	302	H6	C A	10	-3.325	14.357	39.042	1.00	0.00	H
ATOM	303	H1'	C A	10	-0.550	15.767	41.041	1.00	0.00	H
ATOM	304	H3'	C A	10	0.093	12.598	38.802	1.00	0.00	H

ATOM	305	H4'	C	A	10	1.001	14.897	37.856	1.00	0.00	H
ATOM	306	H41	C	A	10	-7.026	16.978	40.138	1.00	0.00	H
ATOM	307	H42	C	A	10	-6.373	18.262	41.192	1.00	0.00	H
ATOM	308	H2'1	C	A	10	-1.938	13.356	39.832	1.00	0.00	H
ATOM	309	H2'2	C	A	10	-0.839	13.418	41.204	1.00	0.00	H
ATOM	310	H5'1	C	A	10	-1.253	15.362	36.654	1.00	0.00	H
ATOM	311	H5'2	C	A	10	-0.344	13.874	36.310	1.00	0.00	H
ATOM	312	C1'	T	A	11	0.080	16.112	44.953	1.00	0.00	C
ATOM	313	N1	T	A	11	-1.335	15.861	44.573	1.00	0.00	N
ATOM	314	C2	T	A	11	-2.279	16.759	45.030	1.00	0.00	C
ATOM	315	O2	T	A	11	-1.993	17.724	45.718	1.00	0.00	O
ATOM	316	N3	T	A	11	-3.582	16.489	44.653	1.00	0.00	N
ATOM	317	C4	T	A	11	-4.010	15.427	43.883	1.00	0.00	C
ATOM	318	O4	T	A	11	-5.210	15.286	43.612	1.00	0.00	O
ATOM	319	C5	T	A	11	-2.953	14.543	43.453	1.00	0.00	C
ATOM	320	C6	T	A	11	-1.673	14.777	43.801	1.00	0.00	C
ATOM	321	C7	T	A	11	-3.374	13.376	42.611	1.00	0.00	C
ATOM	322	C2'	T	A	11	0.868	14.844	45.258	1.00	0.00	C
ATOM	323	C3'	T	A	11	2.248	15.191	44.723	1.00	0.00	C
ATOM	324	O3'	T	A	11	2.969	15.915	45.718	1.00	0.00	O
ATOM	325	C4'	T	A	11	1.932	16.049	43.501	1.00	0.00	C
ATOM	326	O4'	T	A	11	0.710	16.765	43.868	1.00	0.00	O
ATOM	327	C5'	T	A	11	1.688	15.311	42.205	1.00	0.00	C
ATOM	328	O5'	T	A	11	0.987	14.071	42.473	1.00	0.00	O
ATOM	329	O1P	T	A	11	2.664	12.304	41.843	1.00	0.00	O
ATOM	330	O2P	T	A	11	0.208	11.807	41.709	1.00	0.00	O
ATOM	331	P	T	A	11	1.302	12.799	41.565	1.00	0.00	P
ATOM	332	H3	T	A	11	-4.304	17.146	44.978	1.00	0.00	H
ATOM	333	H6	T	A	11	-0.890	14.095	43.464	1.00	0.00	H
ATOM	334	H1'	T	A	11	0.091	16.791	45.806	1.00	0.00	H
ATOM	335	H3'	T	A	11	2.813	14.302	44.445	1.00	0.00	H
ATOM	336	H4'	T	A	11	2.785	16.713	43.350	1.00	0.00	H
ATOM	337	H71	T	A	11	-3.189	12.450	43.155	1.00	0.00	H
ATOM	338	H72	T	A	11	-4.438	13.457	42.383	1.00	0.00	H
ATOM	339	H73	T	A	11	-2.804	13.372	41.682	1.00	0.00	H
ATOM	340	H2'1	T	A	11	0.456	13.971	44.755	1.00	0.00	H
ATOM	341	H2'2	T	A	11	0.900	14.623	46.326	1.00	0.00	H
ATOM	342	H5'1	T	A	11	1.092	15.937	41.542	1.00	0.00	H
ATOM	343	H5'2	T	A	11	2.646	15.097	41.730	1.00	0.00	H
ATOM	344	C1'	A	A	12	-0.871	17.560	49.604	1.00	0.00	C
ATOM	345	N1	A	A	12	-5.732	16.494	48.350	1.00	0.00	N
ATOM	346	C2	A	A	12	-5.176	17.497	49.021	1.00	0.00	C
ATOM	347	N3	A	A	12	-3.909	17.714	49.308	1.00	0.00	N
ATOM	348	C4	A	A	12	-3.146	16.723	48.814	1.00	0.00	C
ATOM	349	C5	A	A	12	-3.557	15.628	48.109	1.00	0.00	C
ATOM	350	C6	A	A	12	-4.943	15.520	47.869	1.00	0.00	C
ATOM	351	N6	A	A	12	-5.493	14.499	47.189	1.00	0.00	N
ATOM	352	N7	A	A	12	-2.485	14.824	47.764	1.00	0.00	N
ATOM	353	C8	A	A	12	-1.457	15.441	48.268	1.00	0.00	C
ATOM	354	N9	A	A	12	-1.781	16.604	48.919	1.00	0.00	N
ATOM	355	C2'	A	A	12	0.278	16.889	50.344	1.00	0.00	C
ATOM	356	C3'	A	A	12	1.412	17.881	50.137	1.00	0.00	C
ATOM	357	O3'	A	A	12	1.327	18.902	51.129	1.00	0.00	O
ATOM	358	C4'	A	A	12	1.142	18.418	48.732	1.00	0.00	C

ATOM	359	O4'	A	A	12	-0.318	18.410	48.618	1.00	0.00	O
ATOM	360	C5'	A	A	12	1.720	17.621	47.588	1.00	0.00	C
ATOM	361	O5'	A	A	12	1.654	16.204	47.892	1.00	0.00	O
ATOM	362	O1P	A	A	12	4.074	15.536	48.082	1.00	0.00	O
ATOM	363	O2P	A	A	12	2.353	13.841	47.401	1.00	0.00	O
ATOM	364	P	A	A	12	2.817	15.250	47.363	1.00	0.00	P
ATOM	365	H2	A	A	12	-5.871	18.252	49.388	1.00	0.00	H
ATOM	366	H8	A	A	12	-0.435	15.071	48.182	1.00	0.00	H
ATOM	367	H1'	A	A	12	-1.466	18.173	50.280	1.00	0.00	H
ATOM	368	H3'	A	A	12	2.389	17.404	50.194	1.00	0.00	H
ATOM	369	H4'	A	A	12	1.568	19.420	48.690	1.00	0.00	H
ATOM	370	H61	A	A	12	-6.511	14.469	47.039	1.00	0.00	H
ATOM	371	H62	A	A	12	-4.894	13.746	46.818	1.00	0.00	H
ATOM	372	H2'1	A	A	12	0.525	15.913	49.928	1.00	0.00	H
ATOM	373	H2'2	A	A	12	0.062	16.749	51.403	1.00	0.00	H
ATOM	374	H5'1	A	A	12	1.149	17.829	46.683	1.00	0.00	H
ATOM	375	H5'2	A	A	12	2.757	17.916	47.433	1.00	0.00	H
ATOM	376	C1'	G	A	13	-3.873	18.457	53.455	1.00	0.00	C
ATOM	377	N1	G	A	13	-6.883	15.006	51.206	1.00	0.00	N
ATOM	378	C2	G	A	13	-7.206	16.213	51.800	1.00	0.00	C
ATOM	379	N2	G	A	13	-8.505	16.544	51.798	1.00	0.00	N
ATOM	380	N3	G	A	13	-6.307	17.024	52.353	1.00	0.00	N
ATOM	381	C4	G	A	13	-5.044	16.528	52.273	1.00	0.00	C
ATOM	382	C5	G	A	13	-4.629	15.336	51.703	1.00	0.00	C
ATOM	383	C6	G	A	13	-5.584	14.475	51.112	1.00	0.00	C
ATOM	384	O6	G	A	13	-5.411	13.386	50.564	1.00	0.00	O
ATOM	385	N7	G	A	13	-3.246	15.196	51.830	1.00	0.00	N
ATOM	386	C8	G	A	13	-2.874	16.284	52.453	1.00	0.00	C
ATOM	387	N9	G	A	13	-3.911	17.142	52.757	1.00	0.00	N
ATOM	388	C2'	G	A	13	-2.869	18.517	54.597	1.00	0.00	C
ATOM	389	C3'	G	A	13	-2.369	19.949	54.506	1.00	0.00	C
ATOM	390	O3'	G	A	13	-3.267	20.804	55.210	1.00	0.00	O
ATOM	391	C4'	G	A	13	-2.377	20.218	53.002	1.00	0.00	C
ATOM	392	O4'	G	A	13	-3.512	19.440	52.504	1.00	0.00	O
ATOM	393	C5'	G	A	13	-1.139	19.807	52.241	1.00	0.00	C
ATOM	394	O5'	G	A	13	-0.605	18.581	52.797	1.00	0.00	O
ATOM	395	O1P	G	A	13	1.609	19.294	53.761	1.00	0.00	O
ATOM	396	O2P	G	A	13	1.276	16.926	53.002	1.00	0.00	O
ATOM	397	P	G	A	13	0.976	18.366	52.805	1.00	0.00	P
ATOM	398	H1	G	A	13	-7.655	14.454	50.800	1.00	0.00	H
ATOM	399	H8	G	A	13	-1.837	16.495	52.712	1.00	0.00	H
ATOM	400	H1'	G	A	13	-4.880	18.685	53.807	1.00	0.00	H
ATOM	401	H21	G	A	13	-9.194	15.911	51.364	1.00	0.00	H
ATOM	402	H3'	G	A	13	-1.366	20.060	54.920	1.00	0.00	H
ATOM	403	H22	G	A	13	-8.810	17.427	52.226	1.00	0.00	H
ATOM	404	H4'	G	A	13	-2.508	21.291	52.872	1.00	0.00	H
ATOM	405	H2'1	G	A	13	-2.054	17.804	54.469	1.00	0.00	H
ATOM	406	H2'2	G	A	13	-3.330	18.317	55.565	1.00	0.00	H
ATOM	407	H5'1	G	A	13	-1.397	19.655	51.193	1.00	0.00	H
ATOM	408	H5'2	G	A	13	-0.395	20.600	52.314	1.00	0.00	H
ATOM	409	C1'	G	A	14	-7.989	17.823	56.137	1.00	0.00	C
ATOM	410	N1	G	A	14	-8.067	13.242	53.893	1.00	0.00	N
ATOM	411	C2	G	A	14	-9.099	14.131	54.134	1.00	0.00	C
ATOM	412	N2	G	A	14	-10.315	13.747	53.726	1.00	0.00	N

ATOM	413	N3	G A	14	-8.932	15.308	54.735	1.00	0.00	N
ATOM	414	C4	G A	14	-7.639	15.528	55.087	1.00	0.00	C
ATOM	415	C5	G A	14	-6.547	14.700	54.891	1.00	0.00	C
ATOM	416	C6	G A	14	-6.721	13.453	54.251	1.00	0.00	C
ATOM	417	O6	G A	14	-5.884	12.589	53.990	1.00	0.00	O
ATOM	418	N7	G A	14	-5.392	15.298	55.403	1.00	0.00	N
ATOM	419	C8	G A	14	-5.811	16.442	55.878	1.00	0.00	C
ATOM	420	N9	G A	14	-7.165	16.654	55.724	1.00	0.00	N
ATOM	421	C2'	G A	14	-7.569	18.430	57.468	1.00	0.00	C
ATOM	422	C3'	G A	14	-7.815	19.912	57.235	1.00	0.00	C
ATOM	423	O3'	G A	14	-9.185	20.207	57.497	1.00	0.00	O
ATOM	424	C4'	G A	14	-7.459	20.086	55.759	1.00	0.00	C
ATOM	425	O4'	G A	14	-7.852	18.819	55.141	1.00	0.00	O
ATOM	426	C5'	G A	14	-6.004	20.345	55.446	1.00	0.00	C
ATOM	427	O5'	G A	14	-5.165	19.588	56.352	1.00	0.00	O
ATOM	428	O1P	G A	14	-4.013	21.369	57.706	1.00	0.00	O
ATOM	429	O2P	G A	14	-2.907	19.144	57.363	1.00	0.00	O
ATOM	430	P	G A	14	-3.775	20.216	56.817	1.00	0.00	P
ATOM	431	H1	G A	14	-8.301	12.359	53.414	1.00	0.00	H
ATOM	432	H8	G A	14	-5.148	17.165	56.354	1.00	0.00	H
ATOM	433	H1'	G A	14	-9.033	17.513	56.160	1.00	0.00	H
ATOM	434	H21	G A	14	-10.436	12.836	53.258	1.00	0.00	H
ATOM	435	H3'	G A	14	-7.184	20.535	57.867	1.00	0.00	H
ATOM	436	H22	G A	14	-11.127	14.361	53.877	1.00	0.00	H
ATOM	437	H4'	G A	14	-8.036	20.935	55.392	1.00	0.00	H
ATOM	438	H2'1	G A	14	-6.523	18.234	57.701	1.00	0.00	H
ATOM	439	H2'2	G A	14	-8.166	18.055	58.300	1.00	0.00	H
ATOM	440	H5'1	G A	14	-5.801	20.047	54.418	1.00	0.00	H
ATOM	441	H5'2	G A	14	-5.799	21.411	55.556	1.00	0.00	H
ATOM	442	C1'	A A	15	-11.927	15.277	57.719	1.00	0.00	C
ATOM	443	N1	A A	15	-9.079	11.198	56.455	1.00	0.00	N
ATOM	444	C2	A A	15	-10.366	11.487	56.276	1.00	0.00	C
ATOM	445	N3	A A	15	-11.039	12.563	56.626	1.00	0.00	N
ATOM	446	C4	A A	15	-10.227	13.436	57.251	1.00	0.00	C
ATOM	447	C5	A A	15	-8.894	13.292	57.514	1.00	0.00	C
ATOM	448	C6	A A	15	-8.295	12.089	57.082	1.00	0.00	C
ATOM	449	N6	A A	15	-6.995	11.808	57.270	1.00	0.00	N
ATOM	450	N7	A A	15	-8.391	14.399	58.174	1.00	0.00	N
ATOM	451	C8	A A	15	-9.422	15.181	58.300	1.00	0.00	C
ATOM	452	N9	A A	15	-10.573	14.663	57.761	1.00	0.00	N
ATOM	453	C2'	A A	15	-12.286	16.059	58.976	1.00	0.00	C
ATOM	454	C3'	A A	15	-13.106	17.209	58.411	1.00	0.00	C
ATOM	455	O3'	A A	15	-14.456	16.785	58.251	1.00	0.00	O
ATOM	456	C4'	A A	15	-12.425	17.486	57.071	1.00	0.00	C
ATOM	457	O4'	A A	15	-11.963	16.170	56.623	1.00	0.00	O
ATOM	458	C5'	A A	15	-11.245	18.428	57.099	1.00	0.00	C
ATOM	459	O5'	A A	15	-10.485	18.227	58.318	1.00	0.00	O
ATOM	460	O1P	A A	15	-10.793	20.393	59.562	1.00	0.00	O
ATOM	461	O2P	A A	15	-8.733	19.010	59.940	1.00	0.00	O
ATOM	462	P	A A	15	-9.776	19.483	58.998	1.00	0.00	P
ATOM	463	H2	A A	15	-10.948	10.720	55.764	1.00	0.00	H
ATOM	464	H8	A A	15	-9.379	16.155	58.787	1.00	0.00	H
ATOM	465	H1'	A A	15	-12.653	14.486	57.531	1.00	0.00	H
ATOM	466	H3'	A A	15	-13.076	18.088	59.055	1.00	0.00	H

ATOM	467	H4'	A	A	15	-13.181	17.917	56.416	1.00	0.00	H
ATOM	468	H61	A	A	15	-6.608	10.915	56.931	1.00	0.00	H
ATOM	469	H62	A	A	15	-6.386	12.486	57.752	1.00	0.00	H
ATOM	470	H2'1	A	A	15	-11.403	16.422	59.502	1.00	0.00	H
ATOM	471	H2'2	A	A	15	-12.868	15.466	59.680	1.00	0.00	H
ATOM	472	H5'1	A	A	15	-10.612	18.234	56.234	1.00	0.00	H
ATOM	473	H5'2	A	A	15	-11.606	19.454	57.057	1.00	0.00	H
ATOM	474	C1'	C	A	16	-14.417	11.085	58.663	1.00	0.00	C
ATOM	475	N1	C	A	16	-13.037	11.276	59.188	1.00	0.00	N
ATOM	476	C2	C	A	16	-12.102	10.272	58.947	1.00	0.00	C
ATOM	477	O2	C	A	16	-12.455	9.269	58.312	1.00	0.00	O
ATOM	478	N3	C	A	16	-10.840	10.426	59.417	1.00	0.00	N
ATOM	479	C4	C	A	16	-10.490	11.522	60.101	1.00	0.00	C
ATOM	480	N4	C	A	16	-9.241	11.622	60.533	1.00	0.00	N
ATOM	481	C5	C	A	16	-11.431	12.570	60.368	1.00	0.00	C
ATOM	482	C6	C	A	16	-12.696	12.396	59.882	1.00	0.00	C
ATOM	483	C2'	C	A	16	-15.505	11.598	59.596	1.00	0.00	C
ATOM	484	C3'	C	A	16	-16.538	12.131	58.615	1.00	0.00	C
ATOM	485	O3'	C	A	16	-17.372	11.059	58.185	1.00	0.00	O
ATOM	486	C4'	C	A	16	-15.677	12.684	57.482	1.00	0.00	C
ATOM	487	O4'	C	A	16	-14.515	11.796	57.443	1.00	0.00	O
ATOM	488	C5'	C	A	16	-15.192	14.107	57.641	1.00	0.00	C
ATOM	489	O5'	C	A	16	-14.886	14.368	59.034	1.00	0.00	O
ATOM	490	O1P	C	A	16	-16.602	16.087	59.696	1.00	0.00	O
ATOM	491	O2P	C	A	16	-14.392	16.000	60.880	1.00	0.00	O
ATOM	492	P	C	A	16	-15.151	15.829	59.617	1.00	0.00	P
ATOM	493	H5	C	A	16	-11.152	13.462	60.932	1.00	0.00	H
ATOM	494	H6	C	A	16	-13.445	13.169	60.052	1.00	0.00	H
ATOM	495	H1'	C	A	16	-14.556	10.026	58.446	1.00	0.00	H
ATOM	496	H3'	C	A	16	-17.155	12.914	59.060	1.00	0.00	H
ATOM	497	H4'	C	A	16	-16.280	12.640	56.576	1.00	0.00	H
ATOM	498	H41	C	A	16	-8.945	12.457	61.061	1.00	0.00	H
ATOM	499	H42	C	A	16	-8.567	10.867	60.343	1.00	0.00	H
ATOM	500	H2'1	C	A	16	-15.145	12.386	60.259	1.00	0.00	H
ATOM	501	H2'2	C	A	16	-15.921	10.808	60.222	1.00	0.00	H
ATOM	502	H5'1	C	A	16	-14.298	14.250	57.033	1.00	0.00	H
ATOM	503	H5'2	C	A	16	-15.970	14.791	57.300	1.00	0.00	H
ATOM	504	C1'	G	A	17	-14.777	6.262	59.721	1.00	0.00	C
ATOM	505	N1	G	A	17	-10.117	6.923	61.689	1.00	0.00	N
ATOM	506	C2	G	A	17	-10.615	5.892	60.912	1.00	0.00	C
ATOM	507	N2	G	A	17	-9.758	4.904	60.624	1.00	0.00	N
ATOM	508	N3	G	A	17	-11.867	5.849	60.460	1.00	0.00	N
ATOM	509	C4	G	A	17	-12.596	6.926	60.855	1.00	0.00	C
ATOM	510	C5	G	A	17	-12.187	7.998	61.631	1.00	0.00	C
ATOM	511	C6	G	A	17	-10.856	8.047	62.108	1.00	0.00	C
ATOM	512	O6	G	A	17	-10.310	8.904	62.803	1.00	0.00	O
ATOM	513	N7	G	A	17	-13.241	8.895	61.811	1.00	0.00	N
ATOM	514	C8	G	A	17	-14.232	8.354	61.150	1.00	0.00	C
ATOM	515	N9	G	A	17	-13.918	7.155	60.543	1.00	0.00	N
ATOM	516	C2'	G	A	17	-16.216	6.172	60.210	1.00	0.00	C
ATOM	517	C3'	G	A	17	-16.989	6.060	58.906	1.00	0.00	C
ATOM	518	O3'	G	A	17	-17.014	4.696	58.493	1.00	0.00	O
ATOM	519	C4'	G	A	17	-16.178	6.938	57.954	1.00	0.00	C
ATOM	520	O4'	G	A	17	-14.796	6.774	58.402	1.00	0.00	O

ATOM	521	C5'	G A	17	-16.515	8.410	57.949	1.00	0.00	C
ATOM	522	O5'	G A	17	-16.848	8.842	59.291	1.00	0.00	O
ATOM	523	O1P	G A	17	-19.284	9.450	59.118	1.00	0.00	O
ATOM	524	O2P	G A	17	-17.833	10.560	60.838	1.00	0.00	O
ATOM	525	P	G A	17	-17.954	9.976	59.479	1.00	0.00	P
ATOM	526	H1	G A	17	-9.131	6.863	61.982	1.00	0.00	H
ATOM	527	H8	G A	17	-15.221	8.809	61.086	1.00	0.00	H
ATOM	528	H1'	G A	17	-14.314	5.275	59.691	1.00	0.00	H
ATOM	529	H21	G A	17	-8.790	4.946	60.974	1.00	0.00	H
ATOM	530	H3'	G A	17	-18.012	6.427	59.004	1.00	0.00	H
ATOM	531	H22	G A	17	-10.067	4.106	60.052	1.00	0.00	H
ATOM	532	H4'	G A	17	-16.348	6.554	56.949	1.00	0.00	H
ATOM	533	H2'1	G A	17	-16.516	7.056	60.774	1.00	0.00	H
ATOM	534	H2'2	G A	17	-16.384	5.304	60.848	1.00	0.00	H
ATOM	535	H5'1	G A	17	-15.655	8.972	57.583	1.00	0.00	H
ATOM	536	H5'2	G A	17	-17.361	8.581	57.284	1.00	0.00	H
ATOM	537	C1'	G A	18	-13.116	1.976	61.566	1.00	0.00	C
ATOM	538	N1	G A	18	-10.270	5.006	64.523	1.00	0.00	N
ATOM	539	C2	G A	18	-9.931	3.840	63.860	1.00	0.00	C
ATOM	540	N2	G A	18	-8.665	3.424	64.006	1.00	0.00	N
ATOM	541	N3	G A	18	-10.784	3.145	63.112	1.00	0.00	N
ATOM	542	C4	G A	18	-12.022	3.706	63.082	1.00	0.00	C
ATOM	543	C5	G A	18	-12.451	4.862	63.714	1.00	0.00	C
ATOM	544	C6	G A	18	-11.543	5.603	64.506	1.00	0.00	C
ATOM	545	O6	G A	18	-11.735	6.642	65.138	1.00	0.00	O
ATOM	546	N7	G A	18	-13.798	5.094	63.431	1.00	0.00	N
ATOM	547	C8	G A	18	-14.134	4.099	62.652	1.00	0.00	C
ATOM	548	N9	G A	18	-13.109	3.213	62.395	1.00	0.00	N
ATOM	549	C2'	G A	18	-14.407	1.177	61.667	1.00	0.00	C
ATOM	550	C3'	G A	18	-14.559	0.639	60.254	1.00	0.00	C
ATOM	551	O3'	G A	18	-13.794	-0.556	60.123	1.00	0.00	O
ATOM	552	C4'	G A	18	-14.005	1.776	59.396	1.00	0.00	C
ATOM	553	O4'	G A	18	-12.945	2.362	60.216	1.00	0.00	O
ATOM	554	C5'	G A	18	-14.980	2.865	59.015	1.00	0.00	C
ATOM	555	O5'	G A	18	-15.896	3.109	60.111	1.00	0.00	O
ATOM	556	O1P	G A	18	-18.119	2.372	59.188	1.00	0.00	O
ATOM	557	O2P	G A	18	-18.024	4.126	60.978	1.00	0.00	O
ATOM	558	P	G A	18	-17.402	3.518	59.777	1.00	0.00	P
ATOM	559	H1	G A	18	-9.531	5.473	65.072	1.00	0.00	H
ATOM	560	H8	G A	18	-15.137	3.978	62.242	1.00	0.00	H
ATOM	561	H1'	G A	18	-12.257	1.369	61.853	1.00	0.00	H
ATOM	562	H21	G A	18	-8.009	3.970	64.584	1.00	0.00	H
ATOM	563	H3'	G A	18	-15.601	0.431	60.005	1.00	0.00	H
ATOM	564	H22	G A	18	-8.351	2.563	63.540	1.00	0.00	H
ATOM	565	H4'	G A	18	-13.633	1.325	58.476	1.00	0.00	H
ATOM	566	H2'1	G A	18	-15.257	1.799	61.948	1.00	0.00	H
ATOM	567	H2'2	G A	18	-14.338	0.368	62.395	1.00	0.00	H
ATOM	568	H5'1	G A	18	-14.427	3.776	58.786	1.00	0.00	H
ATOM	569	H5'2	G A	18	-15.537	2.554	58.131	1.00	0.00	H
ATOM	570	C1'	T A	19	-10.324	-0.796	64.569	1.00	0.00	C
ATOM	571	N1	T A	19	-11.154	0.303	65.127	1.00	0.00	N
ATOM	572	C2	T A	19	-10.525	1.212	65.954	1.00	0.00	C
ATOM	573	O2	T A	19	-9.340	1.139	66.232	1.00	0.00	O
ATOM	574	N3	T A	19	-11.334	2.218	66.450	1.00	0.00	N

ATOM	575	C4	T A	19	-12.679	2.388	66.201	1.00	0.00	C
ATOM	576	O4	T A	19	-13.301	3.329	66.706	1.00	0.00	O
ATOM	577	C5	T A	19	-13.250	1.391	65.327	1.00	0.00	C
ATOM	578	C6	T A	19	-12.491	0.396	64.824	1.00	0.00	C
ATOM	579	C7	T A	19	-14.711	1.538	65.026	1.00	0.00	C
ATOM	580	C2'	T A	19	-11.051	-2.133	64.483	1.00	0.00	C
ATOM	581	C3'	T A	19	-10.481	-2.723	63.204	1.00	0.00	C
ATOM	582	O3'	T A	19	-9.249	-3.378	63.498	1.00	0.00	O
ATOM	583	C4'	T A	19	-10.285	-1.493	62.321	1.00	0.00	C
ATOM	584	O4'	T A	19	-9.939	-0.426	63.259	1.00	0.00	O
ATOM	585	C5'	T A	19	-11.479	-1.053	61.506	1.00	0.00	C
ATOM	586	O5'	T A	19	-12.695	-1.263	62.267	1.00	0.00	O
ATOM	587	O1P	T A	19	-13.898	-3.048	60.962	1.00	0.00	O
ATOM	588	O2P	T A	19	-15.201	-1.420	62.358	1.00	0.00	O
ATOM	589	P	T A	19	-14.026	-1.675	61.491	1.00	0.00	P
ATOM	590	H3	T A	19	-10.885	2.911	67.066	1.00	0.00	H
ATOM	591	H6	T A	19	-12.944	-0.345	64.166	1.00	0.00	H
ATOM	592	H1'	T A	19	-9.420	-0.882	65.173	1.00	0.00	H
ATOM	593	H3'	T A	19	-11.167	-3.434	62.742	1.00	0.00	H
ATOM	594	H4'	T A	19	-9.477	-1.728	61.625	1.00	0.00	H
ATOM	595	H71	T A	19	-15.256	0.696	65.451	1.00	0.00	H
ATOM	596	H72	T A	19	-15.080	2.467	65.463	1.00	0.00	H
ATOM	597	H73	T A	19	-14.862	1.560	63.946	1.00	0.00	H
ATOM	598	H2'1	T A	19	-12.131	-2.011	64.418	1.00	0.00	H
ATOM	599	H2'2	T A	19	-10.845	-2.772	65.343	1.00	0.00	H
ATOM	600	H5'1	T A	19	-11.376	0.004	61.261	1.00	0.00	H
ATOM	601	H5'2	T A	19	-11.517	-1.632	60.585	1.00	0.00	H
ATOM	602	C01	LNK A	20	-8.567	-6.781	64.842	0.00	0.00	C
ATOM	603	O1	LNK A	20	-9.466	-5.741	64.451	1.00	0.00	O
ATOM	604	S	LNK A	20	-8.698	-10.406	66.482	0.00	0.00	S
ATOM	605	C02	LNK A	20	-9.370	-7.959	65.426	0.00	0.00	C
ATOM	606	C03	LNK A	20	-8.582	-8.592	66.588	0.00	0.00	C
ATOM	607	O1P	LNK A	20	-10.430	-3.851	65.807	1.00	0.00	O
ATOM	608	O2P	LNK A	20	-7.948	-4.223	65.757	1.00	0.00	O
ATOM	609	P	LNK A	20	-9.244	-4.273	65.036	1.00	0.00	P
ATOM	610	H01	LNK A	20	-7.877	-6.403	65.597	0.00	0.00	H
ATOM	611	H02	LNK A	20	-8.004	-7.121	63.973	0.00	0.00	H
ATOM	612	H03	LNK A	20	-9.001	-8.257	67.537	0.00	0.00	H
ATOM	613	H04	LNK A	20	-9.537	-8.706	64.649	0.00	0.00	H
ATOM	614	H05	LNK A	20	-10.331	-7.598	65.793	0.00	0.00	H
ATOM	615	H06	LNK A	20	-7.537	-8.291	66.525	0.00	0.00	H
ATOM	616	AU	LNK A	20	-8.435	-10.686	67.050			
TER										
ATOM	618	C1'	A B	2	-7.251	7.291	71.205	1.00	0.00	C
ATOM	619	N1	A B	2	-10.070	4.209	68.223	1.00	0.00	N
ATOM	620	C2	A B	2	-8.785	4.199	68.564	1.00	0.00	C
ATOM	621	N3	A B	2	-8.120	5.025	69.343	1.00	0.00	N
ATOM	622	C4	A B	2	-8.940	5.986	69.809	1.00	0.00	C
ATOM	623	C5	A B	2	-10.273	6.137	69.555	1.00	0.00	C
ATOM	624	C6	A B	2	-10.863	5.178	68.704	1.00	0.00	C
ATOM	625	N6	A B	2	-12.163	5.197	68.365	1.00	0.00	N
ATOM	626	N7	A B	2	-10.786	7.242	70.211	1.00	0.00	N
ATOM	627	C8	A B	2	-9.760	7.735	70.839	1.00	0.00	C
ATOM	628	N9	A B	2	-8.605	7.023	70.644	1.00	0.00	N

ATOM	629	C2'	A B	2	-6.906	8.772	71.292	1.00	0.00	C
ATOM	630	C3'	A B	2	-6.089	8.832	72.573	1.00	0.00	C
ATOM	631	O3'	A B	2	-4.734	8.499	72.280	1.00	0.00	O
ATOM	632	C4'	A B	2	-6.763	7.782	73.456	1.00	0.00	C
ATOM	633	O4'	A B	2	-7.216	6.756	72.514	1.00	0.00	O
ATOM	634	C5'	A B	2	-7.947	8.249	74.269	1.00	0.00	C
ATOM	635	O5'	A B	2	-8.714	9.216	73.508	1.00	0.00	O
ATOM	636	H2	A B	2	-8.196	3.389	68.137	1.00	0.00	H
ATOM	637	H8	A B	2	-9.812	8.629	71.460	1.00	0.00	H
ATOM	638	H1'	A B	2	-6.520	6.754	70.602	1.00	0.00	H
ATOM	639	H3'	A B	2	-6.126	9.818	73.036	1.00	0.00	H
ATOM	640	H4'	A B	2	-6.005	7.419	74.149	1.00	0.00	H
ATOM	641	H61	A B	2	-12.544	4.472	67.743	1.00	0.00	H
ATOM	642	H62	A B	2	-12.778	5.940	68.730	1.00	0.00	H
ATOM	643	H2'1	A B	2	-7.793	9.401	71.358	1.00	0.00	H
ATOM	644	H2'2	A B	2	-6.324	9.112	70.435	1.00	0.00	H
ATOM	645	H5'1	A B	2	-8.574	7.392	74.512	1.00	0.00	H
ATOM	646	H5'2	A B	2	-7.590	8.705	75.191	1.00	0.00	H
ATOM	647	C1'	C B	3	-4.739	6.129	67.083	1.00	0.00	C
ATOM	648	N1	C B	3	-6.123	6.670	66.996	1.00	0.00	N
ATOM	649	C2	C B	3	-7.051	5.973	66.225	1.00	0.00	C
ATOM	650	O2	C B	3	-6.689	4.938	65.648	1.00	0.00	O
ATOM	651	N3	C B	3	-8.315	6.449	66.133	1.00	0.00	N
ATOM	652	C4	C B	3	-8.676	7.572	66.768	1.00	0.00	C
ATOM	653	N4	C B	3	-9.928	7.991	66.646	1.00	0.00	N
ATOM	654	C5	C B	3	-7.743	8.314	67.565	1.00	0.00	C
ATOM	655	C6	C B	3	-6.475	7.812	67.647	1.00	0.00	C
ATOM	656	C2'	C B	3	-3.659	7.202	67.092	1.00	0.00	C
ATOM	657	C3'	C B	3	-2.624	6.602	68.031	1.00	0.00	C
ATOM	658	O3'	C B	3	-1.783	5.717	67.296	1.00	0.00	O
ATOM	659	C4'	C B	3	-3.483	5.865	69.056	1.00	0.00	C
ATOM	660	O4'	C B	3	-4.640	5.398	68.290	1.00	0.00	O
ATOM	661	C5'	C B	3	-3.977	6.679	70.229	1.00	0.00	C
ATOM	662	O5'	C B	3	-4.292	8.025	69.792	1.00	0.00	O
ATOM	663	O1P	C B	3	-2.589	9.440	70.991	1.00	0.00	O
ATOM	664	O2P	C B	3	-4.805	10.423	70.343	1.00	0.00	O
ATOM	665	P	C B	3	-4.039	9.236	70.797	1.00	0.00	P
ATOM	666	H5	C B	3	-8.030	9.232	68.078	1.00	0.00	H
ATOM	667	H6	C B	3	-5.732	8.337	68.247	1.00	0.00	H
ATOM	668	H1'	C B	3	-4.593	5.433	66.256	1.00	0.00	H
ATOM	669	H3'	C B	3	-2.014	7.369	68.508	1.00	0.00	H
ATOM	670	H4'	C B	3	-2.876	5.050	69.451	1.00	0.00	H
ATOM	671	H41	C B	3	-10.233	8.850	67.127	1.00	0.00	H
ATOM	672	H42	C B	3	-10.597	7.457	66.071	1.00	0.00	H
ATOM	673	H2'1	C B	3	-4.028	8.157	67.465	1.00	0.00	H
ATOM	674	H2'2	C B	3	-3.242	7.376	66.099	1.00	0.00	H
ATOM	675	H5'1	C B	3	-4.869	6.208	70.642	1.00	0.00	H
ATOM	676	H5'2	C B	3	-3.203	6.712	70.993	1.00	0.00	H
ATOM	677	C1'	C B	4	-4.352	4.749	62.343	1.00	0.00	C
ATOM	678	N1	C B	4	-5.226	5.889	62.730	1.00	0.00	N
ATOM	679	C2	C B	4	-6.545	5.884	62.280	1.00	0.00	C
ATOM	680	O2	C B	4	-6.934	4.938	61.582	1.00	0.00	O
ATOM	681	N3	C B	4	-7.357	6.913	62.621	1.00	0.00	N
ATOM	682	C4	C B	4	-6.907	7.924	63.377	1.00	0.00	C

ATOM	683	N4	C B	4	-7.745	8.904	63.684	1.00	0.00	N
ATOM	684	C5	C B	4	-5.554	7.959	63.851	1.00	0.00	C
ATOM	685	C6	C B	4	-4.755	6.908	63.498	1.00	0.00	C
ATOM	686	C2'	C B	4	-2.917	5.152	62.035	1.00	0.00	C
ATOM	687	C3'	C B	4	-2.133	3.961	62.565	1.00	0.00	C
ATOM	688	O3'	C B	4	-2.094	2.944	61.566	1.00	0.00	O
ATOM	689	C4'	C B	4	-2.943	3.538	63.788	1.00	0.00	C
ATOM	690	O4'	C B	4	-4.329	3.838	63.426	1.00	0.00	O
ATOM	691	C5'	C B	4	-2.620	4.243	65.085	1.00	0.00	C
ATOM	692	O5'	C B	4	-2.299	5.632	64.820	1.00	0.00	O
ATOM	693	O1P	C B	4	0.133	5.798	65.445	1.00	0.00	O
ATOM	694	O2P	C B	4	-1.341	7.824	65.589	1.00	0.00	O
ATOM	695	P	C B	4	-1.205	6.353	65.728	1.00	0.00	P
ATOM	696	H5	C B	4	-5.181	8.782	64.459	1.00	0.00	H
ATOM	697	H6	C B	4	-3.721	6.887	63.840	1.00	0.00	H
ATOM	698	H1'	C B	4	-4.808	4.244	61.490	1.00	0.00	H
ATOM	699	H3'	C B	4	-1.115	4.234	62.843	1.00	0.00	H
ATOM	700	H4'	C B	4	-2.763	2.472	63.935	1.00	0.00	H
ATOM	701	H41	C B	4	-7.426	9.692	64.267	1.00	0.00	H
ATOM	702	H42	C B	4	-8.717	8.878	63.341	1.00	0.00	H
ATOM	703	H2'1	C B	4	-2.628	6.073	62.540	1.00	0.00	H
ATOM	704	H2'2	C B	4	-2.747	5.295	60.968	1.00	0.00	H
ATOM	705	H5'1	C B	4	-3.482	4.183	65.750	1.00	0.00	H
ATOM	706	H5'2	C B	4	-1.769	3.752	65.555	1.00	0.00	H
ATOM	707	C1'	G B	5	-5.995	4.307	57.692	1.00	0.00	C
ATOM	708	N1	G B	5	-8.872	8.335	58.927	1.00	0.00	N
ATOM	709	C2	G B	5	-9.200	7.193	58.217	1.00	0.00	C
ATOM	710	N2	G B	5	-10.462	7.114	57.777	1.00	0.00	N
ATOM	711	N3	G B	5	-8.338	6.208	57.969	1.00	0.00	N
ATOM	712	C4	G B	5	-7.106	6.458	58.483	1.00	0.00	C
ATOM	713	C5	G B	5	-6.687	7.568	59.198	1.00	0.00	C
ATOM	714	C6	G B	5	-7.601	8.612	59.466	1.00	0.00	C
ATOM	715	O6	G B	5	-7.420	9.665	60.077	1.00	0.00	O
ATOM	716	N7	G B	5	-5.340	7.438	59.544	1.00	0.00	N
ATOM	717	C8	G B	5	-4.993	6.281	59.043	1.00	0.00	C
ATOM	718	N9	G B	5	-6.013	5.626	58.381	1.00	0.00	N
ATOM	719	C2'	G B	5	-4.697	4.022	56.948	1.00	0.00	C
ATOM	720	C3'	G B	5	-4.537	2.524	57.151	1.00	0.00	C
ATOM	721	O3'	G B	5	-5.293	1.834	56.159	1.00	0.00	O
ATOM	722	C4'	G B	5	-5.096	2.310	58.556	1.00	0.00	C
ATOM	723	O4'	G B	5	-6.164	3.303	58.674	1.00	0.00	O
ATOM	724	C5'	G B	5	-4.129	2.501	59.700	1.00	0.00	C
ATOM	725	O5'	G B	5	-3.217	3.586	59.395	1.00	0.00	O
ATOM	726	O1P	G B	5	-0.987	2.436	59.200	1.00	0.00	O
ATOM	727	O2P	G B	5	-1.100	4.846	59.887	1.00	0.00	O
ATOM	728	P	G B	5	-1.715	3.498	59.923	1.00	0.00	P
ATOM	729	H1	G B	5	-9.615	9.035	59.071	1.00	0.00	H
ATOM	730	H8	G B	5	-3.989	5.869	59.137	1.00	0.00	H
ATOM	731	H1'	G B	5	-6.849	4.263	57.017	1.00	0.00	H
ATOM	732	H21	G B	5	-11.124	7.878	57.976	1.00	0.00	H
ATOM	733	H3'	G B	5	-3.494	2.212	57.091	1.00	0.00	H
ATOM	734	H22	G B	5	-10.769	6.292	57.239	1.00	0.00	H
ATOM	735	H4'	G B	5	-5.463	1.285	58.598	1.00	0.00	H
ATOM	736	H2'1	G B	5	-3.852	4.571	57.364	1.00	0.00	H

ATOM	737	H2'2	G B	5	-4.763	4.274	55.889	1.00	0.00	H
ATOM	738	H5'1	G B	5	-4.688	2.733	60.606	1.00	0.00	H
ATOM	739	H5'2	G B	5	-3.567	1.579	59.851	1.00	0.00	H
ATOM	740	C1'	T B	6	-8.780	5.597	53.808	1.00	0.00	C
ATOM	741	N1	T B	6	-7.959	6.618	54.513	1.00	0.00	N
ATOM	742	C2	T B	6	-8.598	7.775	54.911	1.00	0.00	C
ATOM	743	O2	T B	6	-9.782	7.979	54.708	1.00	0.00	O
ATOM	744	N3	T B	6	-7.797	8.695	55.563	1.00	0.00	N
ATOM	745	C4	T B	6	-6.453	8.566	55.840	1.00	0.00	C
ATOM	746	O4	T B	6	-5.838	9.463	56.428	1.00	0.00	O
ATOM	747	C5	T B	6	-5.874	7.324	55.385	1.00	0.00	C
ATOM	748	C6	T B	6	-6.623	6.403	54.748	1.00	0.00	C
ATOM	749	C7	T B	6	-4.412	7.139	55.668	1.00	0.00	C
ATOM	750	C2'	T B	6	-8.041	4.887	52.680	1.00	0.00	C
ATOM	751	C3'	T B	6	-8.605	3.478	52.771	1.00	0.00	C
ATOM	752	O3'	T B	6	-9.832	3.416	52.047	1.00	0.00	O
ATOM	753	C4'	T B	6	-8.810	3.288	54.272	1.00	0.00	C
ATOM	754	O4'	T B	6	-9.165	4.623	54.758	1.00	0.00	O
ATOM	755	C5'	T B	6	-7.617	2.791	55.056	1.00	0.00	C
ATOM	756	O5'	T B	6	-6.401	3.366	54.514	1.00	0.00	O
ATOM	757	O1P	T B	6	-5.182	1.372	53.579	1.00	0.00	O
ATOM	758	O2P	T B	6	-3.894	3.384	54.349	1.00	0.00	O
ATOM	759	P	T B	6	-5.066	2.494	54.533	1.00	0.00	P
ATOM	760	H3	T B	6	-8.252	9.567	55.874	1.00	0.00	H
ATOM	761	H6	T B	6	-6.163	5.473	54.414	1.00	0.00	H
ATOM	762	H1'	T B	6	-9.684	6.081	53.439	1.00	0.00	H
ATOM	763	H3'	T B	6	-7.914	2.736	52.371	1.00	0.00	H
ATOM	764	H4'	T B	6	-9.614	2.562	54.393	1.00	0.00	H
ATOM	765	H71	T B	6	-3.861	7.111	54.728	1.00	0.00	H
ATOM	766	H72	T B	6	-4.052	7.968	56.277	1.00	0.00	H
ATOM	767	H73	T B	6	-4.261	6.201	56.204	1.00	0.00	H
ATOM	768	H2'1	T B	6	-6.963	4.894	52.825	1.00	0.00	H
ATOM	769	H2'2	T B	6	-8.245	5.334	51.707	1.00	0.00	H
ATOM	770	H5'1	T B	6	-7.728	3.081	56.101	1.00	0.00	H
ATOM	771	H5'2	T B	6	-7.573	1.705	54.987	1.00	0.00	H
ATOM	772	C1'	C B	7	-11.413	8.831	51.111	1.00	0.00	C
ATOM	773	N1	C B	7	-10.022	9.156	51.537	1.00	0.00	N
ATOM	774	C2	C B	7	-9.804	10.377	52.171	1.00	0.00	C
ATOM	775	O2	C B	7	-10.766	11.136	52.355	1.00	0.00	O
ATOM	776	N3	C B	7	-8.546	10.693	52.566	1.00	0.00	N
ATOM	777	C4	C B	7	-7.526	9.852	52.353	1.00	0.00	C
ATOM	778	N4	C B	7	-6.319	10.210	52.763	1.00	0.00	N
ATOM	779	C5	C B	7	-7.721	8.591	51.698	1.00	0.00	C
ATOM	780	C6	C B	7	-8.997	8.292	51.314	1.00	0.00	C
ATOM	781	C2'	C B	7	-11.491	8.099	49.779	1.00	0.00	C
ATOM	782	C3'	C B	7	-12.662	7.156	50.005	1.00	0.00	C
ATOM	783	O3'	C B	7	-13.878	7.847	49.731	1.00	0.00	O
ATOM	784	C4'	C B	7	-12.525	6.790	51.480	1.00	0.00	C
ATOM	785	O4'	C B	7	-11.982	7.997	52.103	1.00	0.00	O
ATOM	786	C5'	C B	7	-11.614	5.627	51.803	1.00	0.00	C
ATOM	787	O5'	C B	7	-10.476	5.635	50.906	1.00	0.00	O
ATOM	788	O1P	C B	7	-10.787	3.537	49.551	1.00	0.00	O
ATOM	789	O2P	C B	7	-8.486	4.465	49.914	1.00	0.00	O
ATOM	790	P	C B	7	-9.850	4.241	50.448	1.00	0.00	P

ATOM	791	H5	C B	7	-6.892	7.907	51.516	1.00	0.00	H
ATOM	792	H6	C B	7	-9.196	7.342	50.819	1.00	0.00	H
ATOM	793	H1'	C B	7	-11.986	9.757	51.083	1.00	0.00	H
ATOM	794	H3'	C B	7	-12.601	6.269	49.372	1.00	0.00	H
ATOM	795	H4'	C B	7	-13.523	6.537	51.839	1.00	0.00	H
ATOM	796	H41	C B	7	-5.517	9.580	52.614	1.00	0.00	H
ATOM	797	H42	C B	7	-6.181	11.118	53.231	1.00	0.00	H
ATOM	798	H2'1	C B	7	-10.577	7.550	49.555	1.00	0.00	H
ATOM	799	H2'2	C B	7	-11.679	8.775	48.946	1.00	0.00	H
ATOM	800	H5'1	C B	7	-11.271	5.717	52.834	1.00	0.00	H
ATOM	801	H5'2	C B	7	-12.167	4.697	51.688	1.00	0.00	H
ATOM	802	C1'	C B	8	-12.615	13.364	49.520	1.00	0.00	C
ATOM	803	N1	C B	8	-11.202	12.898	49.480	1.00	0.00	N
ATOM	804	C2	C B	8	-10.228	13.716	50.049	1.00	0.00	C
ATOM	805	O2	C B	8	-10.575	14.788	50.561	1.00	0.00	O
ATOM	806	N3	C B	8	-8.936	13.310	50.023	1.00	0.00	N
ATOM	807	C4	C B	8	-8.592	12.144	49.460	1.00	0.00	C
ATOM	808	N4	C B	8	-7.313	11.794	49.466	1.00	0.00	N
ATOM	809	C5	C B	8	-9.570	11.283	48.862	1.00	0.00	C
ATOM	810	C6	C B	8	-10.868	11.711	48.905	1.00	0.00	C
ATOM	811	C2'	C B	8	-13.407	13.034	48.262	1.00	0.00	C
ATOM	812	C3'	C B	8	-14.789	12.740	48.824	1.00	0.00	C
ATOM	813	O3'	C B	8	-15.498	13.966	48.986	1.00	0.00	O
ATOM	814	C4'	C B	8	-14.476	12.073	50.162	1.00	0.00	C
ATOM	815	O4'	C B	8	-13.247	12.727	50.614	1.00	0.00	O
ATOM	816	C5'	C B	8	-14.246	10.580	50.131	1.00	0.00	C
ATOM	817	O5'	C B	8	-13.547	10.218	48.912	1.00	0.00	O
ATOM	818	O1P	C B	8	-15.239	8.834	47.662	1.00	0.00	O
ATOM	819	O2P	C B	8	-12.786	8.460	47.287	1.00	0.00	O
ATOM	820	P	C B	8	-13.875	8.816	48.229	1.00	0.00	P
ATOM	821	H5	C B	8	-9.295	10.337	48.397	1.00	0.00	H
ATOM	822	H6	C B	8	-11.649	11.087	48.470	1.00	0.00	H
ATOM	823	H1'	C B	8	-12.615	14.437	49.711	1.00	0.00	H
ATOM	824	H3'	C B	8	-15.360	12.075	48.177	1.00	0.00	H
ATOM	825	H4'	C B	8	-15.326	12.263	50.817	1.00	0.00	H
ATOM	826	H41	C B	8	-7.022	10.901	49.042	1.00	0.00	H
ATOM	827	H42	C B	8	-6.611	12.415	49.894	1.00	0.00	H
ATOM	828	H2'1	C B	8	-13.002	12.171	47.733	1.00	0.00	H
ATOM	829	H2'2	C B	8	-13.432	13.867	47.559	1.00	0.00	H
ATOM	830	H5'1	C B	8	-13.648	10.291	50.996	1.00	0.00	H
ATOM	831	H5'2	C B	8	-15.206	10.069	50.171	1.00	0.00	H
ATOM	832	C1'	T B	9	-11.708	18.133	48.558	1.00	0.00	C
ATOM	833	N1	T B	9	-10.788	17.081	48.052	1.00	0.00	N
ATOM	834	C2	T B	9	-9.443	17.239	48.316	1.00	0.00	C
ATOM	835	O2	T B	9	-9.001	18.192	48.934	1.00	0.00	O
ATOM	836	N3	T B	9	-8.624	16.238	47.829	1.00	0.00	N
ATOM	837	C4	T B	9	-9.021	15.125	47.119	1.00	0.00	C
ATOM	838	O4	T B	9	-8.192	14.294	46.730	1.00	0.00	O
ATOM	839	C5	T B	9	-10.446	15.045	46.893	1.00	0.00	C
ATOM	840	C6	T B	9	-11.273	16.003	47.354	1.00	0.00	C
ATOM	841	C7	T B	9	-10.921	13.848	46.126	1.00	0.00	C
ATOM	842	C2'	T B	9	-12.856	18.455	47.608	1.00	0.00	C
ATOM	843	C3'	T B	9	-13.997	18.740	48.573	1.00	0.00	C
ATOM	844	O3'	T B	9	-13.925	20.100	48.994	1.00	0.00	O

ATOM	845	C4'	T B	9	-13.726	17.765	49.716	1.00	0.00	C
ATOM	846	O4'	T B	9	-12.266	17.673	49.774	1.00	0.00	O
ATOM	847	C5'	T B	9	-14.293	16.373	49.562	1.00	0.00	C
ATOM	848	O5'	T B	9	-14.217	15.965	48.172	1.00	0.00	O
ATOM	849	O1P	T B	9	-16.630	15.794	47.482	1.00	0.00	O
ATOM	850	O2P	T B	9	-14.893	14.397	46.330	1.00	0.00	O
ATOM	851	P	T B	9	-15.367	15.034	47.582	1.00	0.00	P
ATOM	852	H3	T B	9	-7.616	16.331	48.016	1.00	0.00	H
ATOM	853	H6	T B	9	-12.344	15.921	47.170	1.00	0.00	H
ATOM	854	H1'	T B	9	-11.121	19.026	48.776	1.00	0.00	H
ATOM	855	H3'	T B	9	-14.969	18.553	48.119	1.00	0.00	H
ATOM	856	H4'	T B	9	-14.161	18.204	50.616	1.00	0.00	H
ATOM	857	H71	T B	9	-11.336	14.169	45.170	1.00	0.00	H
ATOM	858	H72	T B	9	-10.085	13.171	45.950	1.00	0.00	H
ATOM	859	H73	T B	9	-11.692	13.331	46.699	1.00	0.00	H
ATOM	860	H2'1	T B	9	-13.093	17.621	46.949	1.00	0.00	H
ATOM	861	H2'2	T B	9	-12.642	19.319	46.979	1.00	0.00	H
ATOM	862	H5'1	T B	9	-13.721	15.682	50.181	1.00	0.00	H
ATOM	863	H5'2	T B	9	-15.331	16.373	49.889	1.00	0.00	H
ATOM	864	C1'	A B	10	-8.745	21.977	47.519	1.00	0.00	C
ATOM	865	N1	A B	10	-5.666	18.358	45.580	1.00	0.00	N
ATOM	866	C2	A B	10	-5.430	19.435	46.325	1.00	0.00	C
ATOM	867	N3	A B	10	-6.275	20.327	46.795	1.00	0.00	N
ATOM	868	C4	A B	10	-7.529	20.030	46.412	1.00	0.00	C
ATOM	869	C5	A B	10	-7.937	18.969	45.651	1.00	0.00	C
ATOM	870	C6	A B	10	-6.928	18.086	45.215	1.00	0.00	C
ATOM	871	N6	A B	10	-7.180	17.001	44.462	1.00	0.00	N
ATOM	872	N7	A B	10	-9.308	18.987	45.463	1.00	0.00	N
ATOM	873	C8	A B	10	-9.696	20.050	46.103	1.00	0.00	C
ATOM	874	N9	A B	10	-8.672	20.732	46.707	1.00	0.00	N
ATOM	875	C2'	A B	10	-9.768	22.982	47.008	1.00	0.00	C
ATOM	876	C3'	A B	10	-10.295	23.586	48.300	1.00	0.00	C
ATOM	877	O3'	A B	10	-9.423	24.634	48.717	1.00	0.00	O
ATOM	878	C4'	A B	10	-10.270	22.399	49.263	1.00	0.00	C
ATOM	879	O4'	A B	10	-9.113	21.611	48.836	1.00	0.00	O
ATOM	880	C5'	A B	10	-11.490	21.508	49.261	1.00	0.00	C
ATOM	881	O5'	A B	10	-12.008	21.389	47.911	1.00	0.00	O
ATOM	882	O1P	A B	10	-14.248	22.529	48.046	1.00	0.00	O
ATOM	883	O2P	A B	10	-13.858	20.726	46.345	1.00	0.00	O
ATOM	884	P	A B	10	-13.584	21.257	47.703	1.00	0.00	P
ATOM	885	H2	A B	10	-4.385	19.601	46.583	1.00	0.00	H
ATOM	886	H8	A B	10	-10.737	20.370	46.154	1.00	0.00	H
ATOM	887	H1'	A B	10	-7.750	22.418	47.558	1.00	0.00	H
ATOM	888	H3'	A B	10	-11.305	23.978	48.186	1.00	0.00	H
ATOM	889	H4'	A B	10	-10.159	22.808	50.267	1.00	0.00	H
ATOM	890	H61	A B	10	-6.406	16.387	44.172	1.00	0.00	H
ATOM	891	H62	A B	10	-8.145	16.785	44.176	1.00	0.00	H
ATOM	892	H2'1	A B	10	-10.567	22.508	46.438	1.00	0.00	H
ATOM	893	H2'2	A B	10	-9.317	23.744	46.370	1.00	0.00	H
ATOM	894	H5'1	A B	10	-11.214	20.522	49.636	1.00	0.00	H
ATOM	895	H5'2	A B	10	-12.250	21.939	49.910	1.00	0.00	H
ATOM	896	C1'	G B	11	-4.618	24.040	45.688	1.00	0.00	C
ATOM	897	N1	G B	11	-4.503	19.875	42.743	1.00	0.00	N
ATOM	898	C2	G B	11	-3.476	20.521	43.410	1.00	0.00	C

ATOM	899	N2	G	B	11	-2.256	19.986	43.271	1.00	0.00	N
ATOM	900	N3	G	B	11	-3.653	21.611	44.155	1.00	0.00	N
ATOM	901	C4	G	B	11	-4.949	22.017	44.177	1.00	0.00	C
ATOM	902	C5	G	B	11	-6.036	21.440	43.542	1.00	0.00	C
ATOM	903	C6	G	B	11	-5.851	20.281	42.754	1.00	0.00	C
ATOM	904	O6	G	B	11	-6.683	19.632	42.119	1.00	0.00	O
ATOM	905	N7	G	B	11	-7.197	22.166	43.817	1.00	0.00	N
ATOM	906	C8	G	B	11	-6.787	23.135	44.595	1.00	0.00	C
ATOM	907	N9	G	B	11	-5.433	23.112	44.858	1.00	0.00	N
ATOM	908	C2'	G	B	11	-5.047	25.497	45.580	1.00	0.00	C
ATOM	909	C3'	G	B	11	-4.809	26.003	46.994	1.00	0.00	C
ATOM	910	O3'	G	B	11	-3.442	26.384	47.129	1.00	0.00	O
ATOM	911	C4'	G	B	11	-5.158	24.790	47.853	1.00	0.00	C
ATOM	912	O4'	G	B	11	-4.754	23.643	47.038	1.00	0.00	O
ATOM	913	C5'	G	B	11	-6.612	24.629	48.228	1.00	0.00	C
ATOM	914	O5'	G	B	11	-7.452	25.055	47.127	1.00	0.00	O
ATOM	915	O1P	G	B	11	-8.621	27.088	48.039	1.00	0.00	O
ATOM	916	O2P	G	B	11	-9.712	25.711	46.248	1.00	0.00	O
ATOM	917	P	G	B	11	-8.848	25.754	47.453	1.00	0.00	P
ATOM	918	H1	G	B	11	-4.261	19.034	42.198	1.00	0.00	H
ATOM	919	H8	G	B	11	-7.456	23.894	44.999	1.00	0.00	H
ATOM	920	H1'	G	B	11	-3.571	23.919	45.407	1.00	0.00	H
ATOM	921	H21	G	B	11	-2.128	19.141	42.697	1.00	0.00	H
ATOM	922	H3'	G	B	11	-5.446	26.853	47.237	1.00	0.00	H
ATOM	923	H22	G	B	11	-1.448	20.421	43.739	1.00	0.00	H
ATOM	924	H4'	G	B	11	-4.584	24.879	48.776	1.00	0.00	H
ATOM	925	H2'1	G	B	11	-6.094	25.599	45.294	1.00	0.00	H
ATOM	926	H2'2	G	B	11	-4.453	26.051	44.854	1.00	0.00	H
ATOM	927	H5'1	G	B	11	-6.808	23.582	48.458	1.00	0.00	H
ATOM	928	H5'2	G	B	11	-6.822	25.235	49.109	1.00	0.00	H
ATOM	929	C1'	G	B	12	-0.676	24.217	42.694	1.00	0.00	C
ATOM	930	N1	G	B	12	-3.500	21.167	39.734	1.00	0.00	N
ATOM	931	C2	G	B	12	-2.154	21.101	40.051	1.00	0.00	C
ATOM	932	N2	G	B	12	-1.469	20.088	39.505	1.00	0.00	N
ATOM	933	N3	G	B	12	-1.542	21.973	40.849	1.00	0.00	N
ATOM	934	C4	G	B	12	-2.386	22.936	41.305	1.00	0.00	C
ATOM	935	C5	G	B	12	-3.736	23.084	41.041	1.00	0.00	C
ATOM	936	C6	G	B	12	-4.388	22.156	40.198	1.00	0.00	C
ATOM	937	O6	G	B	12	-5.568	22.121	39.847	1.00	0.00	O
ATOM	938	N7	G	B	12	-4.238	24.206	41.705	1.00	0.00	N
ATOM	939	C8	G	B	12	-3.201	24.689	42.338	1.00	0.00	C
ATOM	940	N9	G	B	12	-2.038	23.972	42.144	1.00	0.00	N
ATOM	941	C2'	G	B	12	-0.307	25.691	42.782	1.00	0.00	C
ATOM	942	C3'	G	B	12	0.522	25.736	44.057	1.00	0.00	C
ATOM	943	O3'	G	B	12	1.869	25.384	43.752	1.00	0.00	O
ATOM	944	C4'	G	B	12	-0.161	24.694	44.942	1.00	0.00	C
ATOM	945	O4'	G	B	12	-0.636	23.678	44.002	1.00	0.00	O
ATOM	946	C5'	G	B	12	-1.332	25.176	45.764	1.00	0.00	C
ATOM	947	O5'	G	B	12	-2.090	26.157	45.012	1.00	0.00	O
ATOM	948	O1P	G	B	12	-1.758	28.279	46.324	1.00	0.00	O
ATOM	949	O2P	G	B	12	-3.829	27.970	44.941	1.00	0.00	O
ATOM	950	P	G	B	12	-2.784	27.359	45.799	1.00	0.00	P
ATOM	951	H1	G	B	12	-3.879	20.437	39.112	1.00	0.00	H
ATOM	952	H8	G	B	12	-3.249	25.580	42.965	1.00	0.00	H

ATOM	953	H1'	G B	12	0.041	23.669	42.084	1.00	0.00	H
ATOM	954	H21	G B	12	-1.950	19.414	38.891	1.00	0.00	H
ATOM	955	H3'	G B	12	0.502	26.720	44.523	1.00	0.00	H
ATOM	956	H22	G B	12	-0.463	19.985	39.698	1.00	0.00	H
ATOM	957	H4'	G B	12	0.595	24.317	45.629	1.00	0.00	H
ATOM	958	H2'1	G B	12	-1.184	26.334	42.856	1.00	0.00	H
ATOM	959	H2'2	G B	12	0.272	26.025	41.921	1.00	0.00	H
ATOM	960	H5'1	G B	12	-1.970	24.328	46.010	1.00	0.00	H
ATOM	961	H5'2	G B	12	-0.961	25.625	46.686	1.00	0.00	H
ATOM	962	C1'	T B	13	1.862	23.082	38.599	1.00	0.00	C
ATOM	963	N1	T B	13	0.474	23.606	38.498	1.00	0.00	N
ATOM	964	C2	T B	13	-0.417	22.888	37.724	1.00	0.00	C
ATOM	965	O2	T B	13	-0.105	21.866	37.138	1.00	0.00	O
ATOM	966	N3	T B	13	-1.695	23.411	37.659	1.00	0.00	N
ATOM	967	C4	T B	13	-2.148	24.557	38.278	1.00	0.00	C
ATOM	968	O4	T B	13	-3.319	24.929	38.143	1.00	0.00	O
ATOM	969	C5	T B	13	-1.146	25.238	39.065	1.00	0.00	C
ATOM	970	C6	T B	13	0.110	24.757	39.153	1.00	0.00	C
ATOM	971	C7	T B	13	-1.595	26.489	39.760	1.00	0.00	C
ATOM	972	C2'	T B	13	2.930	24.169	38.616	1.00	0.00	C
ATOM	973	C3'	T B	13	3.963	23.584	39.566	1.00	0.00	C
ATOM	974	O3'	T B	13	4.823	22.709	38.840	1.00	0.00	O
ATOM	975	C4'	T B	13	3.105	22.838	40.584	1.00	0.00	C
ATOM	976	O4'	T B	13	1.962	22.355	39.808	1.00	0.00	O
ATOM	977	C5'	T B	13	2.589	23.648	41.751	1.00	0.00	C
ATOM	978	O5'	T B	13	2.262	24.990	41.309	1.00	0.00	O
ATOM	979	O1P	T B	13	3.935	26.426	42.519	1.00	0.00	O
ATOM	980	O2P	T B	13	1.713	27.381	41.850	1.00	0.00	O
ATOM	981	P	T B	13	2.490	26.206	42.313	1.00	0.00	P
ATOM	982	H3	T B	13	-2.379	22.891	37.090	1.00	0.00	H
ATOM	983	H6	T B	13	0.848	25.289	39.752	1.00	0.00	H
ATOM	984	H1'	T B	13	2.026	22.387	37.776	1.00	0.00	H
ATOM	985	H3'	T B	13	4.560	24.359	40.046	1.00	0.00	H
ATOM	986	H4'	T B	13	3.719	22.031	40.986	1.00	0.00	H
ATOM	987	H71	T B	13	-1.071	27.347	39.340	1.00	0.00	H
ATOM	988	H72	T B	13	-2.670	26.617	39.621	1.00	0.00	H
ATOM	989	H73	T B	13	-1.374	26.414	40.825	1.00	0.00	H
ATOM	990	H2'1	T B	13	2.545	25.119	38.984	1.00	0.00	H
ATOM	991	H2'2	T B	13	3.354	24.348	37.628	1.00	0.00	H
ATOM	992	H5'1	T B	13	1.700	23.166	42.157	1.00	0.00	H
ATOM	993	H5'2	T B	13	3.357	23.693	42.522	1.00	0.00	H
ATOM	994	C1'	G B	14	2.231	21.693	33.847	1.00	0.00	C
ATOM	995	N1	G B	14	-2.442	23.706	33.470	1.00	0.00	N
ATOM	996	C2	G B	14	-1.934	22.535	32.936	1.00	0.00	C
ATOM	997	N2	G B	14	-2.782	21.804	32.204	1.00	0.00	N
ATOM	998	N3	G B	14	-0.680	22.126	33.120	1.00	0.00	N
ATOM	999	C4	G B	14	0.040	22.992	33.882	1.00	0.00	C
ATOM	1000	C5	G B	14	-0.380	24.182	34.451	1.00	0.00	C
ATOM	1001	C6	G B	14	-1.713	24.616	34.260	1.00	0.00	C
ATOM	1002	O6	G B	14	-2.266	25.633	34.680	1.00	0.00	O
ATOM	1003	N7	G B	14	0.668	24.776	35.159	1.00	0.00	N
ATOM	1004	C8	G B	14	1.665	23.944	35.001	1.00	0.00	C
ATOM	1005	N9	G B	14	1.362	22.836	34.236	1.00	0.00	N
ATOM	1006	C2'	G B	14	3.668	22.090	33.541	1.00	0.00	C

ATOM	1007	C3'	G B	14	4.447	20.895	34.068	1.00	0.00	C
ATOM	1008	O3'	G B	14	4.482	19.882	33.066	1.00	0.00	O
ATOM	1009	C4'	G B	14	3.634	20.473	35.290	1.00	0.00	C
ATOM	1010	O4'	G B	14	2.251	20.779	34.926	1.00	0.00	O
ATOM	1011	C5'	G B	14	3.960	21.172	36.588	1.00	0.00	C
ATOM	1012	O5'	G B	14	4.285	22.561	36.329	1.00	0.00	O
ATOM	1013	O1P	G B	14	6.718	22.716	36.956	1.00	0.00	O
ATOM	1014	O2P	G B	14	5.252	24.746	37.104	1.00	0.00	O
ATOM	1015	P	G B	14	5.383	23.275	37.240	1.00	0.00	P
ATOM	1016	H1	G B	14	-3.430	23.929	33.274	1.00	0.00	H
ATOM	1017	H8	G B	14	2.651	24.112	35.437	1.00	0.00	H
ATOM	1018	H1'	G B	14	1.774	21.192	32.993	1.00	0.00	H
ATOM	1019	H21	G B	14	-3.753	22.126	32.069	1.00	0.00	H
ATOM	1020	H3'	G B	14	5.466	21.163	34.347	1.00	0.00	H
ATOM	1021	H22	G B	14	-2.466	20.923	31.775	1.00	0.00	H
ATOM	1022	H4'	G B	14	3.810	19.406	35.433	1.00	0.00	H
ATOM	1023	H2'1	G B	14	3.960	23.009	34.049	1.00	0.00	H
ATOM	1024	H2'2	G B	14	3.840	22.237	32.475	1.00	0.00	H
ATOM	1025	H5'1	G B	14	3.098	21.114	37.252	1.00	0.00	H
ATOM	1026	H5'2	G B	14	4.809	20.676	37.058	1.00	0.00	H
ATOM	1027	C1'	C B	15	0.588	21.250	29.195	1.00	0.00	C
ATOM	1028	N1	C B	15	0.564	22.568	29.884	1.00	0.00	N
ATOM	1029	C2	C B	15	-0.633	23.281	29.889	1.00	0.00	C
ATOM	1030	O2	C B	15	-1.621	22.791	29.325	1.00	0.00	O
ATOM	1031	N3	C B	15	-0.677	24.484	30.512	1.00	0.00	N
ATOM	1032	C4	C B	15	0.408	24.987	31.112	1.00	0.00	C
ATOM	1033	N4	C B	15	0.309	26.166	31.709	1.00	0.00	N
ATOM	1034	C5	C B	15	1.657	24.279	31.120	1.00	0.00	C
ATOM	1035	C6	C B	15	1.674	23.068	30.491	1.00	0.00	C
ATOM	1036	C2'	C B	15	1.886	20.971	28.450	1.00	0.00	C
ATOM	1037	C3'	C B	15	2.054	19.473	28.655	1.00	0.00	C
ATOM	1038	O3'	C B	15	1.300	18.777	27.664	1.00	0.00	O
ATOM	1039	C4'	C B	15	1.497	19.257	30.060	1.00	0.00	C
ATOM	1040	O4'	C B	15	0.425	20.246	30.180	1.00	0.00	O
ATOM	1041	C5'	C B	15	2.465	19.455	31.204	1.00	0.00	C
ATOM	1042	O5'	C B	15	3.371	20.543	30.896	1.00	0.00	O
ATOM	1043	O1P	C B	15	5.607	19.404	30.699	1.00	0.00	O
ATOM	1044	O2P	C B	15	5.484	21.815	31.384	1.00	0.00	O
ATOM	1045	P	C B	15	4.874	20.463	31.422	1.00	0.00	P
ATOM	1046	H5	C B	15	2.543	24.689	31.603	1.00	0.00	H
ATOM	1047	H6	C B	15	2.598	22.489	30.476	1.00	0.00	H
ATOM	1048	H1'	C B	15	-0.268	21.201	28.521	1.00	0.00	H
ATOM	1049	H3'	C B	15	3.098	19.167	28.595	1.00	0.00	H
ATOM	1050	H4'	C B	15	1.136	18.230	30.104	1.00	0.00	H
ATOM	1051	H41	C B	15	1.128	26.576	32.182	1.00	0.00	H
ATOM	1052	H42	C B	15	-0.588	26.674	31.700	1.00	0.00	H
ATOM	1053	H2'1	C B	15	2.728	21.524	28.864	1.00	0.00	H
ATOM	1054	H2'2	C B	15	1.818	21.222	27.391	1.00	0.00	H
ATOM	1055	H5'1	C B	15	1.906	19.685	32.111	1.00	0.00	H
ATOM	1056	H5'2	C B	15	3.032	18.536	31.355	1.00	0.00	H
ATOM	1057	C1'	G B	16	-2.203	22.562	25.322	1.00	0.00	C
ATOM	1058	N1	G B	16	-2.156	27.145	27.563	1.00	0.00	N
ATOM	1059	C2	G B	16	-3.197	26.461	26.960	1.00	0.00	C
ATOM	1060	N2	G B	16	-4.384	27.082	26.954	1.00	0.00	N

ATOM	1061	N3	G B	16	-3.066	25.255	26.411	1.00	0.00	N
ATOM	1062	C4	G B	16	-1.796	24.781	26.503	1.00	0.00	C
ATOM	1063	C5	G B	16	-0.695	25.392	27.080	1.00	0.00	C
ATOM	1064	C6	G B	16	-0.835	26.672	27.667	1.00	0.00	C
ATOM	1065	O6	G B	16	0.017	27.368	28.222	1.00	0.00	O
ATOM	1066	N7	G B	16	0.429	24.572	26.964	1.00	0.00	N
ATOM	1067	C8	G B	16	-0.016	23.512	26.338	1.00	0.00	C
ATOM	1068	N9	G B	16	-1.359	23.566	26.023	1.00	0.00	N
ATOM	1069	C2'	G B	16	-1.486	21.844	24.186	1.00	0.00	C
ATOM	1070	C3'	G B	16	-2.072	20.444	24.275	1.00	0.00	C
ATOM	1071	O3'	G B	16	-3.305	20.407	23.561	1.00	0.00	O
ATOM	1072	C4'	G B	16	-2.269	20.253	25.778	1.00	0.00	C
ATOM	1073	O4'	G B	16	-2.598	21.591	26.271	1.00	0.00	O
ATOM	1074	C5'	G B	16	-1.080	19.733	26.550	1.00	0.00	C
ATOM	1075	O5'	G B	16	0.142	20.287	26.001	1.00	0.00	O
ATOM	1076	O1P	G B	16	1.320	18.277	25.051	1.00	0.00	O
ATOM	1077	O2P	G B	16	2.647	20.262	25.818	1.00	0.00	O
ATOM	1078	P	G B	16	1.462	19.391	26.006	1.00	0.00	P
ATOM	1079	H1	G B	16	-2.364	28.071	27.964	1.00	0.00	H
ATOM	1080	H8	G B	16	0.618	22.662	26.087	1.00	0.00	H
ATOM	1081	H1'	G B	16	-3.102	23.064	24.961	1.00	0.00	H
ATOM	1082	H21	G B	16	-4.479	28.014	27.383	1.00	0.00	H
ATOM	1083	H3'	G B	16	-1.397	19.692	23.868	1.00	0.00	H
ATOM	1084	H22	G B	16	-5.198	26.627	26.519	1.00	0.00	H
ATOM	1085	H4'	G B	16	-3.085	19.541	25.902	1.00	0.00	H
ATOM	1086	H2'1	G B	16	-0.405	21.831	24.323	1.00	0.00	H
ATOM	1087	H2'2	G B	16	-1.689	22.299	23.216	1.00	0.00	H
ATOM	1088	H5'1	G B	16	-1.178	20.021	27.596	1.00	0.00	H
ATOM	1089	H5'2	G B	16	-1.056	18.645	26.478	1.00	0.00	H
ATOM	1090	C1'	G B	17	-4.828	25.774	22.616	1.00	0.00	C
ATOM	1091	N1	G B	17	-1.842	29.241	24.872	1.00	0.00	N
ATOM	1092	C2	G B	17	-3.203	29.270	24.620	1.00	0.00	C
ATOM	1093	N2	G B	17	-3.853	30.369	25.021	1.00	0.00	N
ATOM	1094	N3	G B	17	-3.860	28.281	24.018	1.00	0.00	N
ATOM	1095	C4	G B	17	-3.042	27.252	23.674	1.00	0.00	C
ATOM	1096	C5	G B	17	-1.679	27.137	23.881	1.00	0.00	C
ATOM	1097	C6	G B	17	-0.980	28.184	24.524	1.00	0.00	C
ATOM	1098	O6	G B	17	0.218	28.267	24.794	1.00	0.00	O
ATOM	1099	N7	G B	17	-1.214	25.921	23.378	1.00	0.00	N
ATOM	1100	C8	G B	17	-2.286	25.347	22.896	1.00	0.00	C
ATOM	1101	N9	G B	17	-3.437	26.095	23.037	1.00	0.00	N
ATOM	1102	C2'	G B	17	-4.910	25.039	21.285	1.00	0.00	C
ATOM	1103	C3'	G B	17	-6.086	24.101	21.513	1.00	0.00	C
ATOM	1104	O3'	G B	17	-7.300	24.796	21.239	1.00	0.00	O
ATOM	1105	C4'	G B	17	-5.949	23.738	22.990	1.00	0.00	C
ATOM	1106	O4'	G B	17	-5.399	24.945	23.608	1.00	0.00	O
ATOM	1107	C5'	G B	17	-5.043	22.574	23.314	1.00	0.00	C
ATOM	1108	O5'	G B	17	-3.904	22.574	22.417	1.00	0.00	O
ATOM	1109	O1P	G B	17	-4.227	20.474	21.067	1.00	0.00	O
ATOM	1110	O2P	G B	17	-1.920	21.392	21.426	1.00	0.00	O
ATOM	1111	P	G B	17	-3.286	21.176	21.961	1.00	0.00	P
ATOM	1112	H1	G B	17	-1.430	30.057	25.351	1.00	0.00	H
ATOM	1113	H8	G B	17	-2.273	24.366	22.423	1.00	0.00	H
ATOM	1114	H1'	G B	17	-5.398	26.702	22.585	1.00	0.00	H

ATOM	1115	H21	G B	17	-3.339	31.129	25.490	1.00	0.00	H
ATOM	1116	H3'	G B	17	-6.028	23.213	20.883	1.00	0.00	H
ATOM	1117	H22	G B	17	-4.867	30.453	24.861	1.00	0.00	H
ATOM	1118	H4'	G B	17	-6.947	23.492	23.350	1.00	0.00	H
ATOM	1119	H2'1	G B	17	-3.999	24.485	21.061	1.00	0.00	H
ATOM	1120	H2'2	G B	17	-5.097	25.714	20.450	1.00	0.00	H
ATOM	1121	H5'1	G B	17	-4.699	22.663	24.345	1.00	0.00	H
ATOM	1122	H5'2	G B	17	-5.600	21.644	23.202	1.00	0.00	H
ATOM	1123	C1'	C B	18	-6.032	30.307	21.024	1.00	0.00	C
ATOM	1124	N1	C B	18	-4.618	29.840	20.984	1.00	0.00	N
ATOM	1125	C2	C B	18	-3.645	30.659	21.554	1.00	0.00	C
ATOM	1126	O2	C B	18	-3.991	31.731	22.066	1.00	0.00	O
ATOM	1127	N3	C B	18	-2.353	30.252	21.527	1.00	0.00	N
ATOM	1128	C4	C B	18	-2.010	29.086	20.964	1.00	0.00	C
ATOM	1129	N4	C B	18	-0.732	28.737	20.968	1.00	0.00	N
ATOM	1130	C5	C B	18	-2.989	28.227	20.369	1.00	0.00	C
ATOM	1131	C6	C B	18	-4.283	28.655	20.410	1.00	0.00	C
ATOM	1132	C2'	C B	18	-6.823	29.977	19.766	1.00	0.00	C
ATOM	1133	C3'	C B	18	-8.205	29.683	20.328	1.00	0.00	C
ATOM	1134	O3'	C B	18	-8.914	30.910	20.490	1.00	0.00	O
ATOM	1135	C4'	C B	18	-7.892	29.017	21.666	1.00	0.00	C
ATOM	1136	O4'	C B	18	-6.663	29.670	22.118	1.00	0.00	O
ATOM	1137	C5'	C B	18	-7.662	27.524	21.635	1.00	0.00	C
ATOM	1138	O5'	C B	18	-6.964	27.162	20.416	1.00	0.00	O
ATOM	1139	O1P	C B	18	-8.655	25.777	19.166	1.00	0.00	O
ATOM	1140	O2P	C B	18	-6.202	25.402	18.790	1.00	0.00	O
ATOM	1141	P	C B	18	-7.291	25.759	19.733	1.00	0.00	P
ATOM	1142	H5	C B	18	-2.714	27.279	19.907	1.00	0.00	H
ATOM	1143	H6	C B	18	-5.064	28.034	19.972	1.00	0.00	H
ATOM	1144	H1'	C B	18	-6.030	31.380	21.215	1.00	0.00	H
ATOM	1145	H3'	C B	18	-8.776	29.018	19.681	1.00	0.00	H
ATOM	1146	H4'	C B	18	-8.742	29.207	22.322	1.00	0.00	H
ATOM	1147	H41	C B	18	-0.441	27.844	20.543	1.00	0.00	H
ATOM	1148	H42	C B	18	-0.030	29.357	21.397	1.00	0.00	H
ATOM	1149	H2'1	C B	18	-6.419	29.115	19.237	1.00	0.00	H
ATOM	1150	H2'2	C B	18	-6.848	30.810	19.063	1.00	0.00	H
ATOM	1151	H5'1	C B	18	-7.065	27.235	22.500	1.00	0.00	H
ATOM	1152	H5'2	C B	18	-8.622	27.012	21.675	1.00	0.00	H
ATOM	1153	C1'	C B	19	-5.102	35.076	20.065	1.00	0.00	C
ATOM	1154	N1	C B	19	-4.199	34.011	19.551	1.00	0.00	N
ATOM	1155	C2	C B	19	-2.833	34.136	19.800	1.00	0.00	C
ATOM	1156	O2	C B	19	-2.429	35.120	20.434	1.00	0.00	O
ATOM	1157	N3	C B	19	-1.995	33.176	19.340	1.00	0.00	N
ATOM	1158	C4	C B	19	-2.463	32.123	18.657	1.00	0.00	C
ATOM	1159	N4	C B	19	-1.600	31.215	18.232	1.00	0.00	N
ATOM	1160	C5	C B	19	-3.860	31.972	18.386	1.00	0.00	C
ATOM	1161	C6	C B	19	-4.685	32.948	18.859	1.00	0.00	C
ATOM	1162	C2'	C B	19	-6.248	35.415	19.123	1.00	0.00	C
ATOM	1163	C3'	C B	19	-7.380	35.714	20.096	1.00	0.00	C
ATOM	1164	O3'	C B	19	-7.286	37.071	20.521	1.00	0.00	O
ATOM	1165	C4'	C B	19	-7.115	34.732	21.235	1.00	0.00	C
ATOM	1166	O4'	C B	19	-5.657	34.618	21.283	1.00	0.00	O
ATOM	1167	C5'	C B	19	-7.702	33.348	21.079	1.00	0.00	C
ATOM	1168	O5'	C B	19	-7.641	32.943	19.688	1.00	0.00	O

ATOM	1169	O1P	C B	19	-10.061	32.808	19.013	1.00	0.00	O
ATOM	1170	O2P	C B	19	-8.351	31.391	17.845	1.00	0.00	O
ATOM	1171	P	C B	19	-8.809	32.031	19.102	1.00	0.00	P
ATOM	1172	H5	C B	19	-4.246	31.118	17.829	1.00	0.00	H
ATOM	1173	H6	C B	19	-5.758	32.874	18.679	1.00	0.00	H
ATOM	1174	H1'	C B	19	-4.499	35.958	20.282	1.00	0.00	H
ATOM	1175	H3'	C B	19	-8.358	35.541	19.647	1.00	0.00	H
ATOM	1176	H4'	C B	19	-7.539	35.173	22.138	1.00	0.00	H
ATOM	1177	H41	C B	19	-1.931	30.394	17.705	1.00	0.00	H
ATOM	1178	H42	C B	19	-0.593	31.328	18.428	1.00	0.00	H
ATOM	1179	H2'1	C B	19	-6.501	34.587	18.463	1.00	0.00	H
ATOM	1180	H2'2	C B	19	-6.026	36.279	18.496	1.00	0.00	H
ATOM	1181	H5'1	C B	19	-7.137	32.648	21.693	1.00	0.00	H
ATOM	1182	H5'2	C B	19	-8.739	33.361	21.413	1.00	0.00	H
ATOM	1183	C1'	T B	20	-2.162	38.919	19.022	1.00	0.00	C
ATOM	1184	N1	T B	20	-2.086	37.677	18.209	1.00	0.00	N
ATOM	1185	C2	T B	20	-0.837	37.120	18.025	1.00	0.00	C
ATOM	1186	O2	T B	20	0.177	37.604	18.497	1.00	0.00	O
ATOM	1187	N3	T B	20	-0.813	35.967	17.263	1.00	0.00	N
ATOM	1188	C4	T B	20	-1.895	35.341	16.686	1.00	0.00	C
ATOM	1189	O4	T B	20	-1.748	34.308	16.020	1.00	0.00	O
ATOM	1190	C5	T B	20	-3.157	35.995	16.933	1.00	0.00	C
ATOM	1191	C6	T B	20	-3.220	37.121	17.671	1.00	0.00	C
ATOM	1192	C7	T B	20	-4.364	35.347	16.323	1.00	0.00	C
ATOM	1193	C2'	T B	20	-3.184	39.927	18.509	1.00	0.00	C
ATOM	1194	C3'	T B	20	-3.714	40.527	19.802	1.00	0.00	C
ATOM	1195	O3'	T B	20	-2.846	41.577	20.223	1.00	0.00	O
ATOM	1196	C4'	T B	20	-3.693	39.340	20.762	1.00	0.00	C
ATOM	1197	O4'	T B	20	-2.535	38.553	20.337	1.00	0.00	O
ATOM	1198	C5'	T B	20	-4.913	38.447	20.754	1.00	0.00	C
ATOM	1199	O5'	T B	20	-5.426	38.332	19.402	1.00	0.00	O
ATOM	1200	O1P	T B	20	-7.666	39.472	19.531	1.00	0.00	O
ATOM	1201	O2P	T B	20	-7.270	37.671	17.829	1.00	0.00	O
ATOM	1202	P	T B	20	-7.000	38.199	19.188	1.00	0.00	P
ATOM	1203	H3	T B	20	0.108	35.531	17.113	1.00	0.00	H
ATOM	1204	H6	T B	20	-4.185	37.597	17.844	1.00	0.00	H
ATOM	1205	H1'	T B	20	-1.167	39.361	19.067	1.00	0.00	H
ATOM	1206	H3'	T B	20	-4.724	40.920	19.684	1.00	0.00	H
ATOM	1207	H4'	T B	20	-3.587	39.747	21.768	1.00	0.00	H
ATOM	1208	H3T	T B	20	-2.668	42.249	19.562	1.00	0.00	H
ATOM	1209	H71	T B	20	-4.789	36.007	15.566	1.00	0.00	H
ATOM	1210	H72	T B	20	-4.075	34.402	15.861	1.00	0.00	H
ATOM	1211	H73	T B	20	-5.108	35.158	17.098	1.00	0.00	H
ATOM	1212	H2'1	T B	20	-3.979	39.454	17.936	1.00	0.00	H
ATOM	1213	H2'2	T B	20	-2.730	40.689	17.875	1.00	0.00	H
ATOM	1214	H5'1	T B	20	-4.638	37.462	21.129	1.00	0.00	H
ATOM	1215	H5'2	T B	20	-5.674	38.878	21.401	1.00	0.00	H
TER										
ATOM	1	C1'	A A	1	-24.723	49.842	39.266	1.00	0.00	C
ATOM	2	N1	A A	1	-28.886	47.525	37.358	1.00	0.00	N
ATOM	3	C2	A A	1	-28.694	48.284	38.433	1.00	0.00	C
ATOM	4	N3	A A	1	-27.590	48.855	38.867	1.00	0.00	N
ATOM	5	C4	A A	1	-26.563	48.569	38.046	1.00	0.00	C
ATOM	6	C5	A A	1	-26.594	47.808	36.911	1.00	0.00	C

ATOM	7	C6	A A	1	-27.844	47.257	36.558	1.00	0.00	C
ATOM	8	N6	A A	1	-28.026	46.489	35.469	1.00	0.00	N
ATOM	9	N7	A A	1	-25.342	47.735	36.325	1.00	0.00	N
ATOM	10	C8	A A	1	-24.588	48.444	37.112	1.00	0.00	C
ATOM	11	N9	A A	1	-25.261	48.983	38.178	1.00	0.00	N
ATOM	12	C2'	A A	1	-23.322	49.454	39.718	1.00	0.00	C
ATOM	13	C3'	A A	1	-22.706	50.808	40.035	1.00	0.00	C
ATOM	14	O3'	A A	1	-23.063	51.186	41.362	1.00	0.00	O
ATOM	15	C4'	A A	1	-23.335	51.722	38.985	1.00	0.00	C
ATOM	16	O4'	A A	1	-24.676	51.170	38.783	1.00	0.00	O
ATOM	17	C5'	A A	1	-22.634	51.790	37.649	1.00	0.00	C
ATOM	18	O5'	A A	1	-22.099	50.486	37.308	1.00	0.00	O
ATOM	19	H2	A A	1	-29.579	48.460	39.043	1.00	0.00	H
ATOM	20	H8	A A	1	-23.523	48.597	36.940	1.00	0.00	H
ATOM	21	H1'	A A	1	-25.425	49.813	40.100	1.00	0.00	H
ATOM	22	H3'	A A	1	-21.619	50.794	39.944	1.00	0.00	H
ATOM	23	H4'	A A	1	-23.346	52.726	39.407	1.00	0.00	H
ATOM	24	H61	A A	1	-28.958	46.113	35.256	1.00	0.00	H
ATOM	25	H62	A A	1	-27.229	46.280	34.850	1.00	0.00	H
ATOM	26	H5T	A A	1	-21.275	50.439	36.818	1.00	0.00	H
ATOM	27	H2'1	A A	1	-22.764	48.937	38.939	1.00	0.00	H
ATOM	28	H2'2	A A	1	-23.334	48.809	40.597	1.00	0.00	H
ATOM	29	H5'1	A A	1	-23.347	52.106	36.887	1.00	0.00	H
ATOM	30	H5'2	A A	1	-21.825	52.516	37.705	1.00	0.00	H
ATOM	31	C1'	G A	2	-27.342	47.733	42.920	1.00	0.00	C
ATOM	32	N1	G A	2	-29.001	44.651	39.211	1.00	0.00	N
ATOM	33	C2	G A	2	-29.697	45.249	40.243	1.00	0.00	C
ATOM	34	N2	G A	2	-31.009	44.992	40.297	1.00	0.00	N
ATOM	35	N3	G A	2	-29.131	46.043	41.151	1.00	0.00	N
ATOM	36	C4	G A	2	-27.794	46.188	40.948	1.00	0.00	C
ATOM	37	C5	G A	2	-27.016	45.627	39.948	1.00	0.00	C
ATOM	38	C6	G A	2	-27.620	44.788	38.982	1.00	0.00	C
ATOM	39	O6	G A	2	-27.103	44.207	38.028	1.00	0.00	O
ATOM	40	N7	G A	2	-25.685	46.024	40.092	1.00	0.00	N
ATOM	41	C8	G A	2	-25.699	46.797	41.148	1.00	0.00	C
ATOM	42	N9	G A	2	-26.944	46.944	41.724	1.00	0.00	N
ATOM	43	C2'	G A	2	-26.311	47.713	44.041	1.00	0.00	C
ATOM	44	C3'	G A	2	-26.430	49.116	44.610	1.00	0.00	C
ATOM	45	O3'	G A	2	-27.499	49.150	45.553	1.00	0.00	O
ATOM	46	C4'	G A	2	-26.727	49.961	43.371	1.00	0.00	C
ATOM	47	O4'	G A	2	-27.516	49.077	42.513	1.00	0.00	O
ATOM	48	C5'	G A	2	-25.530	50.451	42.591	1.00	0.00	C
ATOM	49	O5'	G A	2	-24.493	49.439	42.597	1.00	0.00	O
ATOM	50	O1P	G A	2	-22.639	50.515	43.918	1.00	0.00	O
ATOM	51	O2P	G A	2	-22.104	48.776	42.190	1.00	0.00	O
ATOM	52	P	G A	2	-22.967	49.905	42.615	1.00	0.00	P
ATOM	53	H1	G A	2	-29.535	44.057	38.560	1.00	0.00	H
ATOM	54	H8	G A	2	-24.805	47.282	41.539	1.00	0.00	H
ATOM	55	H1'	G A	2	-28.305	47.361	43.270	1.00	0.00	H
ATOM	56	H21	G A	2	-31.442	44.379	39.591	1.00	0.00	H
ATOM	57	H3'	G A	2	-25.509	49.441	45.095	1.00	0.00	H
ATOM	58	H22	G A	2	-31.584	45.407	41.044	1.00	0.00	H
ATOM	59	H4'	G A	2	-27.284	50.834	43.710	1.00	0.00	H
ATOM	60	H2'1	G A	2	-25.303	47.519	43.671	1.00	0.00	H

ATOM	61	H2'2	G A	2	-26.534	46.957	44.795	1.00	0.00	H
ATOM	62	H5'1	G A	2	-25.833	50.662	41.566	1.00	0.00	H
ATOM	63	H5'2	G A	2	-25.156	51.367	43.049	1.00	0.00	H
ATOM	64	C1'	G A	3	-30.514	44.421	44.790	1.00	0.00	C
ATOM	65	N1	G A	3	-29.057	41.612	40.790	1.00	0.00	N
ATOM	66	C2	G A	3	-30.317	41.812	41.320	1.00	0.00	C
ATOM	67	N2	G A	3	-31.323	41.177	40.706	1.00	0.00	N
ATOM	68	N3	G A	3	-30.555	42.582	42.379	1.00	0.00	N
ATOM	69	C4	G A	3	-29.421	43.140	42.878	1.00	0.00	C
ATOM	70	C5	G A	3	-28.123	42.995	42.416	1.00	0.00	C
ATOM	71	C6	G A	3	-27.870	42.180	41.289	1.00	0.00	C
ATOM	72	O6	G A	3	-26.799	41.931	40.735	1.00	0.00	O
ATOM	73	N7	G A	3	-27.243	43.735	43.209	1.00	0.00	N
ATOM	74	C8	G A	3	-28.017	44.294	44.103	1.00	0.00	C
ATOM	75	N9	G A	3	-29.353	43.980	43.968	1.00	0.00	N
ATOM	76	C2'	G A	3	-30.208	44.526	46.277	1.00	0.00	C
ATOM	77	C3'	G A	3	-31.043	45.726	46.690	1.00	0.00	C
ATOM	78	O3'	G A	3	-32.376	45.298	46.962	1.00	0.00	O
ATOM	79	C4'	G A	3	-30.969	46.631	45.461	1.00	0.00	C
ATOM	80	O4'	G A	3	-30.904	45.702	44.333	1.00	0.00	O
ATOM	81	C5'	G A	3	-29.783	47.565	45.387	1.00	0.00	C
ATOM	82	O5'	G A	3	-28.609	46.912	45.931	1.00	0.00	O
ATOM	83	O1P	G A	3	-28.095	48.259	47.994	1.00	0.00	O
ATOM	84	O2P	G A	3	-26.254	47.046	46.797	1.00	0.00	O
ATOM	85	P	G A	3	-27.533	47.793	46.712	1.00	0.00	P
ATOM	86	H1	G A	3	-28.981	40.998	39.964	1.00	0.00	H
ATOM	87	H8	G A	3	-27.640	44.951	44.886	1.00	0.00	H
ATOM	88	H1'	G A	3	-31.341	43.734	44.608	1.00	0.00	H
ATOM	89	H21	G A	3	-31.132	40.584	39.885	1.00	0.00	H
ATOM	90	H3'	G A	3	-30.637	46.224	47.571	1.00	0.00	H
ATOM	91	H22	G A	3	-32.286	41.283	41.054	1.00	0.00	H
ATOM	92	H4'	G A	3	-31.873	47.239	45.460	1.00	0.00	H
ATOM	93	H2'1	G A	3	-29.149	44.694	46.471	1.00	0.00	H
ATOM	94	H2'2	G A	3	-30.502	43.629	46.824	1.00	0.00	H
ATOM	95	H5'1	G A	3	-29.607	47.837	44.347	1.00	0.00	H
ATOM	96	H5'2	G A	3	-30.002	48.466	45.960	1.00	0.00	H
ATOM	97	C1'	C A	4	-32.893	40.077	44.838	1.00	0.00	C
ATOM	98	N1	C A	4	-31.409	40.125	44.717	1.00	0.00	N
ATOM	99	C2	C A	4	-30.818	39.414	43.675	1.00	0.00	C
ATOM	100	O2	C A	4	-31.541	38.777	42.900	1.00	0.00	O
ATOM	101	N3	C A	4	-29.469	39.446	43.548	1.00	0.00	N
ATOM	102	C4	C A	4	-28.713	40.144	44.404	1.00	0.00	C
ATOM	103	N4	C A	4	-27.399	40.142	44.230	1.00	0.00	N
ATOM	104	C5	C A	4	-29.295	40.882	45.485	1.00	0.00	C
ATOM	105	C6	C A	4	-30.654	40.839	45.593	1.00	0.00	C
ATOM	106	C2'	C A	4	-33.390	40.028	46.276	1.00	0.00	C
ATOM	107	C3'	C A	4	-34.664	40.858	46.200	1.00	0.00	C
ATOM	108	O3'	C A	4	-35.738	40.025	45.768	1.00	0.00	O
ATOM	109	C4'	C A	4	-34.311	41.927	45.169	1.00	0.00	C
ATOM	110	O4'	C A	4	-33.412	41.249	44.235	1.00	0.00	O
ATOM	111	C5'	C A	4	-33.618	43.162	45.694	1.00	0.00	C
ATOM	112	O5'	C A	4	-32.707	42.797	46.762	1.00	0.00	O
ATOM	113	O1P	C A	4	-33.718	43.891	48.791	1.00	0.00	O
ATOM	114	O2P	C A	4	-31.248	43.465	48.696	1.00	0.00	O

ATOM	115	P	C A	4	-32.493	43.815	47.971	1.00	0.00	P
ATOM	116	H5	C A	4	-28.682	41.448	46.187	1.00	0.00	H
ATOM	117	H6	C A	4	-31.144	41.389	46.397	1.00	0.00	H
ATOM	118	H1'	C A	4	-33.253	39.220	44.270	1.00	0.00	H
ATOM	119	H3'	C A	4	-34.917	41.304	47.161	1.00	0.00	H
ATOM	120	H4'	C A	4	-35.247	42.242	44.708	1.00	0.00	H
ATOM	121	H41	C A	4	-26.793	40.672	44.874	1.00	0.00	H
ATOM	122	H42	C A	4	-26.982	39.610	43.452	1.00	0.00	H
ATOM	123	H2'1	C A	4	-32.677	40.462	46.976	1.00	0.00	H
ATOM	124	H2'2	C A	4	-33.597	39.010	46.608	1.00	0.00	H
ATOM	125	H5'1	C A	4	-33.064	43.635	44.883	1.00	0.00	H
ATOM	126	H5'2	C A	4	-34.366	43.860	46.071	1.00	0.00	H
ATOM	127	C1'	C A	5	-33.411	35.278	43.732	1.00	0.00	C
ATOM	128	N1	C A	5	-32.165	35.774	44.377	1.00	0.00	N
ATOM	129	C2	C A	5	-30.948	35.440	43.787	1.00	0.00	C
ATOM	130	O2	C A	5	-30.950	34.749	42.759	1.00	0.00	O
ATOM	131	N3	C A	5	-29.801	35.883	44.359	1.00	0.00	N
ATOM	132	C4	C A	5	-29.829	36.627	45.471	1.00	0.00	C
ATOM	133	N4	C A	5	-28.679	37.035	45.985	1.00	0.00	N
ATOM	134	C5	C A	5	-31.066	36.984	46.100	1.00	0.00	C
ATOM	135	C6	C A	5	-32.207	36.530	45.505	1.00	0.00	C
ATOM	136	C2'	C A	5	-34.490	34.861	44.721	1.00	0.00	C
ATOM	137	C3'	C A	5	-35.761	35.285	44.001	1.00	0.00	C
ATOM	138	O3'	C A	5	-36.150	34.254	43.095	1.00	0.00	O
ATOM	139	C4'	C A	5	-35.333	36.558	43.277	1.00	0.00	C
ATOM	140	O4'	C A	5	-33.930	36.326	42.934	1.00	0.00	O
ATOM	141	C5'	C A	5	-35.432	37.844	44.065	1.00	0.00	C
ATOM	142	O5'	C A	5	-35.085	37.597	45.452	1.00	0.00	O
ATOM	143	O1P	C A	5	-37.244	38.015	46.676	1.00	0.00	O
ATOM	144	O2P	C A	5	-35.051	38.348	47.849	1.00	0.00	O
ATOM	145	P	C A	5	-35.830	38.429	46.589	1.00	0.00	P
ATOM	146	H5	C A	5	-31.094	37.586	47.009	1.00	0.00	H
ATOM	147	H6	C A	5	-33.174	36.780	45.944	1.00	0.00	H
ATOM	148	H1'	C A	5	-33.146	34.453	43.070	1.00	0.00	H
ATOM	149	H3'	C A	5	-36.578	35.481	44.696	1.00	0.00	H
ATOM	150	H4'	C A	5	-35.976	36.656	42.402	1.00	0.00	H
ATOM	151	H41	C A	5	-28.672	37.611	46.840	1.00	0.00	H
ATOM	152	H42	C A	5	-27.791	36.776	45.532	1.00	0.00	H
ATOM	153	H2'1	C A	5	-34.391	35.368	45.680	1.00	0.00	H
ATOM	154	H2'2	C A	5	-34.481	33.787	44.915	1.00	0.00	H
ATOM	155	H5'1	C A	5	-34.747	38.578	43.639	1.00	0.00	H
ATOM	156	H5'2	C A	5	-36.451	38.224	44.002	1.00	0.00	H
ATOM	157	C1'	G A	6	-31.711	30.772	42.576	1.00	0.00	C
ATOM	158	N1	G A	6	-27.485	32.380	44.939	1.00	0.00	N
ATOM	159	C2	G A	6	-27.627	31.666	43.762	1.00	0.00	C
ATOM	160	N2	G A	6	-26.494	31.335	43.133	1.00	0.00	N
ATOM	161	N3	G A	6	-28.807	31.312	43.255	1.00	0.00	N
ATOM	162	C4	G A	6	-29.846	31.724	44.027	1.00	0.00	C
ATOM	163	C5	G A	6	-29.799	32.436	45.215	1.00	0.00	C
ATOM	164	C6	G A	6	-28.549	32.816	45.752	1.00	0.00	C
ATOM	165	O6	G A	6	-28.304	33.442	46.783	1.00	0.00	O
ATOM	166	N7	G A	6	-31.091	32.660	45.694	1.00	0.00	N
ATOM	167	C8	G A	6	-31.862	32.094	44.802	1.00	0.00	C
ATOM	168	N9	G A	6	-31.179	31.503	43.759	1.00	0.00	N

ATOM	169	C2'	G A	6	-32.927	29.910	42.884	1.00	0.00	C
ATOM	170	C3'	G A	6	-33.746	30.051	41.611	1.00	0.00	C
ATOM	171	O3'	G A	6	-33.283	29.107	40.648	1.00	0.00	O
ATOM	172	C4'	G A	6	-33.470	31.492	41.186	1.00	0.00	C
ATOM	173	O4'	G A	6	-32.091	31.734	41.610	1.00	0.00	O
ATOM	174	C5'	G A	6	-34.356	32.552	41.795	1.00	0.00	C
ATOM	175	O5'	G A	6	-34.666	32.205	43.168	1.00	0.00	O
ATOM	176	O1P	G A	6	-37.146	31.780	43.114	1.00	0.00	O
ATOM	177	O2P	G A	6	-36.051	32.550	45.236	1.00	0.00	O
ATOM	178	P	G A	6	-36.097	32.596	43.754	1.00	0.00	P
ATOM	179	H1	G A	6	-26.526	32.611	45.242	1.00	0.00	H
ATOM	180	H8	G A	6	-32.950	32.088	44.875	1.00	0.00	H
ATOM	181	H1'	G A	6	-30.903	30.173	42.154	1.00	0.00	H
ATOM	182	H21	G A	6	-25.585	31.615	43.529	1.00	0.00	H
ATOM	183	H3'	G A	6	-34.810	29.890	41.789	1.00	0.00	H
ATOM	184	H22	G A	6	-26.531	30.800	42.253	1.00	0.00	H
ATOM	185	H4'	G A	6	-33.596	31.533	40.105	1.00	0.00	H
ATOM	186	H2'1	G A	6	-33.479	30.269	43.753	1.00	0.00	H
ATOM	187	H2'2	G A	6	-32.660	28.870	43.072	1.00	0.00	H
ATOM	188	H5'1	G A	6	-33.839	33.511	41.766	1.00	0.00	H
ATOM	189	H5'2	G A	6	-35.276	32.626	41.216	1.00	0.00	H
ATOM	190	C1'	C A	7	-28.284	27.197	42.495	1.00	0.00	C
ATOM	191	N1	C A	7	-28.658	27.857	43.776	1.00	0.00	N
ATOM	192	C2	C A	7	-27.632	28.367	44.570	1.00	0.00	C
ATOM	193	O2	C A	7	-26.462	28.251	44.182	1.00	0.00	O
ATOM	194	N3	C A	7	-27.951	28.972	45.740	1.00	0.00	N
ATOM	195	C4	C A	7	-29.226	29.082	46.134	1.00	0.00	C
ATOM	196	N4	C A	7	-29.481	29.685	47.285	1.00	0.00	N
ATOM	197	C5	C A	7	-30.301	28.563	45.340	1.00	0.00	C
ATOM	198	C6	C A	7	-29.957	27.961	44.162	1.00	0.00	C
ATOM	199	C2'	C A	7	-29.135	25.979	42.161	1.00	0.00	C
ATOM	200	C3'	C A	7	-29.241	26.073	40.647	1.00	0.00	C
ATOM	201	O3'	C A	7	-28.091	25.468	40.059	1.00	0.00	O
ATOM	202	C4'	C A	7	-29.291	27.579	40.402	1.00	0.00	C
ATOM	203	O4'	C A	7	-28.452	28.146	41.458	1.00	0.00	O
ATOM	204	C5'	C A	7	-30.656	28.225	40.471	1.00	0.00	C
ATOM	205	O5'	C A	7	-31.447	27.590	41.506	1.00	0.00	O
ATOM	206	O1P	C A	7	-33.300	26.472	40.221	1.00	0.00	O
ATOM	207	O2P	C A	7	-33.674	27.187	42.597	1.00	0.00	O
ATOM	208	P	C A	7	-33.021	27.450	41.292	1.00	0.00	P
ATOM	209	H5	C A	7	-31.341	28.644	45.659	1.00	0.00	H
ATOM	210	H6	C A	7	-30.740	27.558	43.520	1.00	0.00	H
ATOM	211	H1'	C A	7	-27.228	26.935	42.542	1.00	0.00	H
ATOM	212	H3'	C A	7	-30.140	25.582	40.271	1.00	0.00	H
ATOM	213	H4'	C A	7	-28.893	27.750	39.402	1.00	0.00	H
ATOM	214	H41	C A	7	-30.453	29.785	47.611	1.00	0.00	H
ATOM	215	H42	C A	7	-28.707	30.055	47.857	1.00	0.00	H
ATOM	216	H2'1	C A	7	-30.117	26.019	42.631	1.00	0.00	H
ATOM	217	H2'2	C A	7	-28.662	25.046	42.470	1.00	0.00	H
ATOM	218	H5'1	C A	7	-30.539	29.286	40.695	1.00	0.00	H
ATOM	219	H5'2	C A	7	-31.153	28.115	39.508	1.00	0.00	H
ATOM	220	C1'	A A	8	-24.282	24.823	44.182	1.00	0.00	C
ATOM	221	N1	A A	8	-25.617	26.945	48.661	1.00	0.00	N
ATOM	222	C2	A A	8	-24.444	26.789	48.055	1.00	0.00	C

ATOM	223	N3	A A	8	-24.169	26.233	46.894	1.00	0.00	N
ATOM	224	C4	A A	8	-25.298	25.784	46.315	1.00	0.00	C
ATOM	225	C5	A A	8	-26.572	25.864	46.802	1.00	0.00	C
ATOM	226	C6	A A	8	-26.725	26.488	48.058	1.00	0.00	C
ATOM	227	N6	A A	8	-27.917	26.639	48.661	1.00	0.00	N
ATOM	228	N7	A A	8	-27.479	25.293	45.926	1.00	0.00	N
ATOM	229	C8	A A	8	-26.741	24.880	44.938	1.00	0.00	C
ATOM	230	N9	A A	8	-25.405	25.145	45.103	1.00	0.00	N
ATOM	231	C2'	A A	8	-24.430	23.480	43.479	1.00	0.00	C
ATOM	232	C3'	A A	8	-23.831	23.770	42.113	1.00	0.00	C
ATOM	233	O3'	A A	8	-22.416	23.614	42.181	1.00	0.00	O
ATOM	234	C4'	A A	8	-24.240	25.221	41.862	1.00	0.00	C
ATOM	235	O4'	A A	8	-24.233	25.832	43.193	1.00	0.00	O
ATOM	236	C5'	A A	8	-25.598	25.436	41.237	1.00	0.00	C
ATOM	237	O5'	A A	8	-26.534	24.453	41.748	1.00	0.00	O
ATOM	238	O1P	A A	8	-27.085	23.067	39.720	1.00	0.00	O
ATOM	239	O2P	A A	8	-28.747	23.274	41.589	1.00	0.00	O
ATOM	240	P	A A	8	-27.678	23.907	40.779	1.00	0.00	P
ATOM	241	H2	A A	8	-23.585	27.179	48.598	1.00	0.00	H
ATOM	242	H8	A A	8	-27.143	24.371	44.062	1.00	0.00	H
ATOM	243	H1'	A A	8	-23.353	24.866	44.751	1.00	0.00	H
ATOM	244	H3'	A A	8	-24.230	23.111	41.343	1.00	0.00	H
ATOM	245	H4'	A A	8	-23.494	25.649	41.194	1.00	0.00	H
ATOM	246	H61	A A	8	-27.974	27.104	49.577	1.00	0.00	H
ATOM	247	H62	A A	8	-28.772	26.288	48.205	1.00	0.00	H
ATOM	248	H2'1	A A	8	-25.471	23.169	43.398	1.00	0.00	H
ATOM	249	H2'2	A A	8	-23.888	22.685	43.990	1.00	0.00	H
ATOM	250	H5'1	A A	8	-25.948	26.439	41.482	1.00	0.00	H
ATOM	251	H5'2	A A	8	-25.515	25.338	40.156	1.00	0.00	H
ATOM	252	C1'	C A	9	-21.071	23.503	47.734	1.00	0.00	C
ATOM	253	N1	C A	9	-22.535	23.325	47.938	1.00	0.00	N
ATOM	254	C2	C A	9	-23.099	23.837	49.104	1.00	0.00	C
ATOM	255	O2	C A	9	-22.366	24.414	49.918	1.00	0.00	O
ATOM	256	N3	C A	9	-24.430	23.685	49.308	1.00	0.00	N
ATOM	257	C4	C A	9	-25.197	23.054	48.410	1.00	0.00	C
ATOM	258	N4	C A	9	-26.493	22.936	48.659	1.00	0.00	N
ATOM	259	C5	C A	9	-24.644	22.513	47.202	1.00	0.00	C
ATOM	260	C6	C A	9	-23.301	22.682	47.015	1.00	0.00	C
ATOM	261	C2'	C A	9	-20.393	22.308	47.080	1.00	0.00	C
ATOM	262	C3'	C A	9	-19.338	22.978	46.211	1.00	0.00	C
ATOM	263	O3'	C A	9	-18.181	23.243	47.000	1.00	0.00	O
ATOM	264	C4'	C A	9	-20.035	24.259	45.759	1.00	0.00	C
ATOM	265	O4'	C A	9	-20.888	24.626	46.890	1.00	0.00	O
ATOM	266	C5'	C A	9	-20.894	24.156	44.521	1.00	0.00	C
ATOM	267	O5'	C A	9	-21.563	22.869	44.495	1.00	0.00	O
ATOM	268	O1P	C A	9	-20.544	21.723	42.499	1.00	0.00	O
ATOM	269	O2P	C A	9	-22.865	21.123	43.240	1.00	0.00	O
ATOM	270	P	C A	9	-21.823	22.168	43.086	1.00	0.00	P
ATOM	271	H5	C A	9	-25.264	21.993	46.471	1.00	0.00	H
ATOM	272	H6	C A	9	-22.836	22.296	46.109	1.00	0.00	H
ATOM	273	H1'	C A	9	-20.618	23.731	48.698	1.00	0.00	H
ATOM	274	H3'	C A	9	-19.060	22.359	45.358	1.00	0.00	H
ATOM	275	H4'	C A	9	-19.253	24.992	45.561	1.00	0.00	H
ATOM	276	H41	C A	9	-27.106	22.457	47.983	1.00	0.00	H

ATOM	277	H42	C	A	9	-26.888	23.323	49.529	1.00	0.00	H
ATOM	278	H2'1	C	A	9	-21.082	21.717	46.480	1.00	0.00	H
ATOM	279	H2'2	C	A	9	-19.938	21.639	47.812	1.00	0.00	H
ATOM	280	H5'1	C	A	9	-21.635	24.956	44.530	1.00	0.00	H
ATOM	281	H5'2	C	A	9	-20.263	24.261	43.639	1.00	0.00	H
ATOM	282	C1'	C	A	10	-19.723	22.627	52.418	1.00	0.00	C
ATOM	283	N1	C	A	10	-20.950	22.000	51.855	1.00	0.00	N
ATOM	284	C2	C	A	10	-22.138	22.136	52.570	1.00	0.00	C
ATOM	285	O2	C	A	10	-22.126	22.767	53.636	1.00	0.00	O
ATOM	286	N3	C	A	10	-23.267	21.573	52.075	1.00	0.00	N
ATOM	287	C4	C	A	10	-23.249	20.895	50.920	1.00	0.00	C
ATOM	288	N4	C	A	10	-24.383	20.367	50.480	1.00	0.00	N
ATOM	289	C5	C	A	10	-22.041	20.736	50.165	1.00	0.00	C
ATOM	290	C6	C	A	10	-20.916	21.316	50.681	1.00	0.00	C
ATOM	291	C2'	C	A	10	-18.462	21.800	52.212	1.00	0.00	C
ATOM	292	C3'	C	A	10	-17.410	22.876	51.988	1.00	0.00	C
ATOM	293	O3'	C	A	10	-16.937	23.339	53.251	1.00	0.00	O
ATOM	294	C4'	C	A	10	-18.182	23.953	51.230	1.00	0.00	C
ATOM	295	O4'	C	A	10	-19.539	23.872	51.769	1.00	0.00	O
ATOM	296	C5'	C	A	10	-18.250	23.799	49.728	1.00	0.00	C
ATOM	297	O5'	C	A	10	-18.354	22.394	49.383	1.00	0.00	O
ATOM	298	O1P	C	A	10	-16.188	21.924	48.192	1.00	0.00	O
ATOM	299	O2P	C	A	10	-18.230	20.565	47.665	1.00	0.00	O
ATOM	300	P	C	A	10	-17.656	21.879	48.046	1.00	0.00	P
ATOM	301	H5	C	A	10	-22.019	20.180	49.227	1.00	0.00	H
ATOM	302	H6	C	A	10	-19.975	21.229	50.139	1.00	0.00	H
ATOM	303	H1'	C	A	10	-19.894	22.823	53.476	1.00	0.00	H
ATOM	304	H3'	C	A	10	-16.568	22.507	51.401	1.00	0.00	H
ATOM	305	H4'	C	A	10	-17.693	24.903	51.444	1.00	0.00	H
ATOM	306	H41	C	A	10	-24.397	19.843	49.593	1.00	0.00	H
ATOM	307	H42	C	A	10	-25.249	20.481	51.026	1.00	0.00	H
ATOM	308	H2'1	C	A	10	-18.537	21.135	51.353	1.00	0.00	H
ATOM	309	H2'2	C	A	10	-18.223	21.186	53.082	1.00	0.00	H
ATOM	310	H5'1	C	A	10	-19.121	24.337	49.351	1.00	0.00	H
ATOM	311	H5'2	C	A	10	-17.349	24.221	49.285	1.00	0.00	H
ATOM	312	C1'	T	A	11	-20.569	21.465	57.154	1.00	0.00	C
ATOM	313	N1	T	A	11	-21.108	20.605	56.067	1.00	0.00	N
ATOM	314	C2	T	A	11	-22.452	20.297	56.115	1.00	0.00	C
ATOM	315	O2	T	A	11	-23.190	20.698	56.999	1.00	0.00	O
ATOM	316	N3	T	A	11	-22.912	19.496	55.086	1.00	0.00	N
ATOM	317	C4	T	A	11	-22.162	18.988	54.044	1.00	0.00	C
ATOM	318	O4	T	A	11	-22.686	18.276	53.177	1.00	0.00	O
ATOM	319	C5	T	A	11	-20.769	19.364	54.079	1.00	0.00	C
ATOM	320	C6	T	A	11	-20.288	20.144	55.066	1.00	0.00	C
ATOM	321	C7	T	A	11	-19.918	18.836	52.962	1.00	0.00	C
ATOM	322	C2'	T	A	11	-19.168	21.077	57.608	1.00	0.00	C
ATOM	323	C3'	T	A	11	-18.548	22.429	57.921	1.00	0.00	C
ATOM	324	O3'	T	A	11	-18.904	22.813	59.247	1.00	0.00	O
ATOM	325	C4'	T	A	11	-19.174	23.341	56.868	1.00	0.00	C
ATOM	326	O4'	T	A	11	-20.517	22.793	56.669	1.00	0.00	O
ATOM	327	C5'	T	A	11	-18.474	23.404	55.530	1.00	0.00	C
ATOM	328	O5'	T	A	11	-17.943	22.098	55.195	1.00	0.00	O
ATOM	329	O1P	T	A	11	-15.452	22.454	55.234	1.00	0.00	O
ATOM	330	O2P	T	A	11	-16.439	20.662	53.783	1.00	0.00	O

ATOM	331	P	T A	11	-16.573	22.012	54.383	1.00	0.00	P
ATOM	332	H3	T A	11	-23.912	19.255	55.096	1.00	0.00	H
ATOM	333	H6	T A	11	-19.231	20.415	55.072	1.00	0.00	H
ATOM	334	H1'	T A	11	-21.270	21.441	57.989	1.00	0.00	H
ATOM	335	H3'	T A	11	-17.463	22.411	57.830	1.00	0.00	H
ATOM	336	H4'	T A	11	-19.184	24.349	57.286	1.00	0.00	H
ATOM	337	H71	T A	11	-19.181	18.142	53.365	1.00	0.00	H
ATOM	338	H72	T A	11	-20.548	18.318	52.239	1.00	0.00	H
ATOM	339	H73	T A	11	-19.406	19.664	52.471	1.00	0.00	H
ATOM	340	H2'1	T A	11	-18.612	20.556	56.830	1.00	0.00	H
ATOM	341	H2'2	T A	11	-19.182	20.432	58.488	1.00	0.00	H
ATOM	342	H5'1	T A	11	-19.186	23.719	54.768	1.00	0.00	H
ATOM	343	H5'2	T A	11	-17.662	24.128	55.586	1.00	0.00	H
ATOM	344	C1'	A A	12	-23.173	19.372	60.824	1.00	0.00	C
ATOM	345	N1	A A	12	-24.868	16.271	57.101	1.00	0.00	N
ATOM	346	C2	A A	12	-25.479	16.875	58.115	1.00	0.00	C
ATOM	347	N3	A A	12	-24.980	17.668	59.041	1.00	0.00	N
ATOM	348	C4	A A	12	-23.658	17.825	58.855	1.00	0.00	C
ATOM	349	C5	A A	12	-22.885	17.277	57.871	1.00	0.00	C
ATOM	350	C6	A A	12	-23.548	16.449	56.941	1.00	0.00	C
ATOM	351	N6	A A	12	-22.918	15.842	55.920	1.00	0.00	N
ATOM	352	N7	A A	12	-21.563	17.666	57.999	1.00	0.00	N
ATOM	353	C8	A A	12	-21.563	18.430	59.051	1.00	0.00	C
ATOM	354	N9	A A	12	-22.801	18.575	59.623	1.00	0.00	N
ATOM	355	C2'	A A	12	-22.124	19.343	61.927	1.00	0.00	C
ATOM	356	C3'	A A	12	-22.223	20.750	62.495	1.00	0.00	C
ATOM	357	O3'	A A	12	-23.278	20.794	63.454	1.00	0.00	O
ATOM	358	C4'	A A	12	-22.532	21.595	61.259	1.00	0.00	C
ATOM	359	O4'	A A	12	-23.340	20.715	60.414	1.00	0.00	O
ATOM	360	C5'	A A	12	-21.343	22.073	60.461	1.00	0.00	C
ATOM	361	O5'	A A	12	-20.313	21.052	60.453	1.00	0.00	O
ATOM	362	O1P	A A	12	-18.431	22.114	61.744	1.00	0.00	O
ATOM	363	O2P	A A	12	-17.936	20.366	60.012	1.00	0.00	O
ATOM	364	P	A A	12	-18.784	21.504	60.447	1.00	0.00	P
ATOM	365	H2	A A	12	-26.550	16.688	58.191	1.00	0.00	H
ATOM	366	H8	A A	12	-20.665	18.911	59.442	1.00	0.00	H
ATOM	367	H1'	A A	12	-24.133	19.009	61.188	1.00	0.00	H
ATOM	368	H3'	A A	12	-21.294	21.068	62.966	1.00	0.00	H
ATOM	369	H4'	A A	12	-23.076	22.473	61.606	1.00	0.00	H
ATOM	370	H61	A A	12	-23.449	15.249	55.267	1.00	0.00	H
ATOM	371	H62	A A	12	-21.903	15.972	55.791	1.00	0.00	H
ATOM	372	H2'1	A A	12	-21.125	19.140	61.544	1.00	0.00	H
ATOM	373	H2'2	A A	12	-22.343	18.592	62.686	1.00	0.00	H
ATOM	374	H5'1	A A	12	-21.659	22.284	59.440	1.00	0.00	H
ATOM	375	H5'2	A A	12	-20.953	22.985	60.910	1.00	0.00	H
ATOM	376	C1'	G A	13	-26.359	16.045	62.677	1.00	0.00	C
ATOM	377	N1	G A	13	-24.901	13.236	58.676	1.00	0.00	N
ATOM	378	C2	G A	13	-26.163	13.435	59.208	1.00	0.00	C
ATOM	379	N2	G A	13	-27.170	12.800	58.595	1.00	0.00	N
ATOM	380	N3	G A	13	-26.400	14.207	60.268	1.00	0.00	N
ATOM	381	C4	G A	13	-25.266	14.764	60.766	1.00	0.00	C
ATOM	382	C5	G A	13	-23.968	14.619	60.304	1.00	0.00	C
ATOM	383	C6	G A	13	-23.715	13.804	59.177	1.00	0.00	C
ATOM	384	O6	G A	13	-22.643	13.554	58.625	1.00	0.00	O

ATOM	385	N7	G A	13	-23.088	15.359	61.097	1.00	0.00	N
ATOM	386	C8	G A	13	-23.862	15.918	61.991	1.00	0.00	C
ATOM	387	N9	G A	13	-25.198	15.604	61.856	1.00	0.00	N
ATOM	388	C2'	G A	13	-26.053	16.150	64.165	1.00	0.00	C
ATOM	389	C3'	G A	13	-26.888	17.350	64.578	1.00	0.00	C
ATOM	390	O3'	G A	13	-28.221	16.922	64.850	1.00	0.00	O
ATOM	391	C4'	G A	13	-26.814	18.255	63.349	1.00	0.00	C
ATOM	392	O4'	G A	13	-26.749	17.326	62.221	1.00	0.00	O
ATOM	393	C5'	G A	13	-25.628	19.189	63.275	1.00	0.00	C
ATOM	394	O5'	G A	13	-24.454	18.536	63.819	1.00	0.00	O
ATOM	395	O1P	G A	13	-23.940	19.883	65.882	1.00	0.00	O
ATOM	396	O2P	G A	13	-22.099	18.670	64.685	1.00	0.00	O
ATOM	397	P	G A	13	-23.378	19.417	64.600	1.00	0.00	P
ATOM	398	H1	G A	13	-24.826	12.624	57.849	1.00	0.00	H
ATOM	399	H8	G A	13	-23.485	16.575	62.775	1.00	0.00	H
ATOM	400	H1'	G A	13	-27.186	15.358	62.496	1.00	0.00	H
ATOM	401	H21	G A	13	-26.978	12.208	57.773	1.00	0.00	H
ATOM	402	H3'	G A	13	-26.482	17.848	65.459	1.00	0.00	H
ATOM	403	H22	G A	13	-28.132	12.906	58.944	1.00	0.00	H
ATOM	404	H4'	G A	13	-27.717	18.863	63.348	1.00	0.00	H
ATOM	405	H2'1	G A	13	-24.994	16.318	64.358	1.00	0.00	H
ATOM	406	H2'2	G A	13	-26.347	15.253	64.712	1.00	0.00	H
ATOM	407	H5'1	G A	13	-25.452	19.461	62.235	1.00	0.00	H
ATOM	408	H5'2	G A	13	-25.847	20.090	63.847	1.00	0.00	H
ATOM	409	C1'	G A	14	-28.737	11.701	62.726	1.00	0.00	C
ATOM	410	N1	G A	14	-24.700	10.104	60.048	1.00	0.00	N
ATOM	411	C2	G A	14	-26.046	9.841	59.866	1.00	0.00	C
ATOM	412	N2	G A	14	-26.359	9.045	58.836	1.00	0.00	N
ATOM	413	N3	G A	14	-27.004	10.334	60.651	1.00	0.00	N
ATOM	414	C4	G A	14	-26.506	11.112	61.646	1.00	0.00	C
ATOM	415	C5	G A	14	-25.183	11.425	61.906	1.00	0.00	C
ATOM	416	C6	G A	14	-24.166	10.907	61.073	1.00	0.00	C
ATOM	417	O6	G A	14	-22.947	11.069	61.141	1.00	0.00	O
ATOM	418	N7	G A	14	-25.096	12.255	63.027	1.00	0.00	N
ATOM	419	C8	G A	14	-26.339	12.417	63.399	1.00	0.00	C
ATOM	420	N9	G A	14	-27.254	11.753	62.610	1.00	0.00	N
ATOM	421	C2'	G A	14	-29.239	11.656	64.163	1.00	0.00	C
ATOM	422	C3'	G A	14	-30.513	12.480	64.081	1.00	0.00	C
ATOM	423	O3'	G A	14	-31.585	11.645	63.648	1.00	0.00	O
ATOM	424	C4'	G A	14	-30.160	13.549	63.048	1.00	0.00	C
ATOM	425	O4'	G A	14	-29.258	12.869	62.119	1.00	0.00	O
ATOM	426	C5'	G A	14	-29.472	14.787	63.572	1.00	0.00	C
ATOM	427	O5'	G A	14	-28.564	14.427	64.643	1.00	0.00	O
ATOM	428	O1P	G A	14	-29.584	15.524	66.665	1.00	0.00	O
ATOM	429	O2P	G A	14	-27.112	15.105	66.579	1.00	0.00	O
ATOM	430	P	G A	14	-28.357	15.450	65.849	1.00	0.00	P
ATOM	431	H1	G A	14	-24.039	9.679	59.380	1.00	0.00	H
ATOM	432	H8	G A	14	-26.626	13.024	64.258	1.00	0.00	H
ATOM	433	H1'	G A	14	-29.094	10.841	62.160	1.00	0.00	H
ATOM	434	H21	G A	14	-25.613	8.671	58.232	1.00	0.00	H
ATOM	435	H3'	G A	14	-30.771	12.930	65.040	1.00	0.00	H
ATOM	436	H22	G A	14	-27.343	8.809	58.649	1.00	0.00	H
ATOM	437	H4'	G A	14	-31.095	13.860	62.582	1.00	0.00	H
ATOM	438	H2'1	G A	14	-28.528	12.093	64.863	1.00	0.00	H

ATOM	439	H2'2	G	A	14	-29.445	10.638	64.497	1.00	0.00	H
ATOM	440	H5'1	G	A	14	-28.917	15.258	62.761	1.00	0.00	H
ATOM	441	H5'2	G	A	14	-30.223	15.484	63.944	1.00	0.00	H
ATOM	442	C1'	A	A	15	-29.278	6.906	61.627	1.00	0.00	C
ATOM	443	N1	A	A	15	-24.154	6.980	61.355	1.00	0.00	N
ATOM	444	C2	A	A	15	-25.087	6.416	60.592	1.00	0.00	C
ATOM	445	N3	A	A	15	-26.397	6.439	60.718	1.00	0.00	N
ATOM	446	C4	A	A	15	-26.747	7.153	61.804	1.00	0.00	C
ATOM	447	C5	A	A	15	-25.919	7.789	62.685	1.00	0.00	C
ATOM	448	C6	A	A	15	-24.535	7.686	62.431	1.00	0.00	C
ATOM	449	N6	A	A	15	-23.602	8.260	63.210	1.00	0.00	N
ATOM	450	N7	A	A	15	-26.641	8.425	63.679	1.00	0.00	N
ATOM	451	C8	A	A	15	-27.879	8.159	63.385	1.00	0.00	C
ATOM	452	N9	A	A	15	-28.022	7.392	62.256	1.00	0.00	N
ATOM	453	C2'	A	A	15	-30.351	6.503	62.630	1.00	0.00	C
ATOM	454	C3'	A	A	15	-31.627	6.933	61.921	1.00	0.00	C
ATOM	455	O3'	A	A	15	-32.033	5.903	61.025	1.00	0.00	O
ATOM	456	C4'	A	A	15	-31.195	8.201	61.185	1.00	0.00	C
ATOM	457	O4'	A	A	15	-29.796	7.954	60.830	1.00	0.00	O
ATOM	458	C5'	A	A	15	-31.274	9.490	61.967	1.00	0.00	C
ATOM	459	O5'	A	A	15	-30.915	9.248	63.351	1.00	0.00	O
ATOM	460	O1P	A	A	15	-33.058	9.691	64.595	1.00	0.00	O
ATOM	461	O2P	A	A	15	-30.850	10.011	65.745	1.00	0.00	O
ATOM	462	P	A	A	15	-31.641	10.093	64.493	1.00	0.00	P
ATOM	463	H2	A	A	15	-24.710	5.853	59.738	1.00	0.00	H
ATOM	464	H8	A	A	15	-28.724	8.511	63.976	1.00	0.00	H
ATOM	465	H1'	A	A	15	-29.029	6.075	60.967	1.00	0.00	H
ATOM	466	H3'	A	A	15	-32.434	7.141	62.623	1.00	0.00	H
ATOM	467	H4'	A	A	15	-31.844	8.298	60.316	1.00	0.00	H
ATOM	468	H61	A	A	15	-22.604	8.156	62.978	1.00	0.00	H
ATOM	469	H62	A	A	15	-23.886	8.802	64.039	1.00	0.00	H
ATOM	470	H2'1	A	A	15	-30.236	7.015	63.585	1.00	0.00	H
ATOM	471	H2'2	A	A	15	-30.351	5.431	62.829	1.00	0.00	H
ATOM	472	H5'1	A	A	15	-30.588	10.216	61.531	1.00	0.00	H
ATOM	473	H5'2	A	A	15	-32.289	9.880	61.914	1.00	0.00	H
ATOM	474	C1'	C	A	16	-27.555	2.396	60.463	1.00	0.00	C
ATOM	475	N1	C	A	16	-27.018	3.126	61.644	1.00	0.00	N
ATOM	476	C2	C	A	16	-25.636	3.258	61.756	1.00	0.00	C
ATOM	477	O2	C	A	16	-24.916	2.767	60.877	1.00	0.00	O
ATOM	478	N3	C	A	16	-25.126	3.919	62.824	1.00	0.00	N
ATOM	479	C4	C	A	16	-25.931	4.440	63.759	1.00	0.00	C
ATOM	480	N4	C	A	16	-25.378	5.080	64.780	1.00	0.00	N
ATOM	481	C5	C	A	16	-27.356	4.316	63.673	1.00	0.00	C
ATOM	482	C6	C	A	16	-27.848	3.650	62.586	1.00	0.00	C
ATOM	483	C2'	C	A	16	-28.769	1.533	60.776	1.00	0.00	C
ATOM	484	C3'	C	A	16	-29.595	1.675	59.506	1.00	0.00	C
ATOM	485	O3'	C	A	16	-29.136	0.731	58.541	1.00	0.00	O
ATOM	486	C4'	C	A	16	-29.320	3.116	59.082	1.00	0.00	C
ATOM	487	O4'	C	A	16	-27.940	3.360	59.500	1.00	0.00	O
ATOM	488	C5'	C	A	16	-30.205	4.176	59.697	1.00	0.00	C
ATOM	489	O5'	C	A	16	-30.509	3.826	61.071	1.00	0.00	O
ATOM	490	O1P	C	A	16	-32.989	3.399	61.029	1.00	0.00	O
ATOM	491	O2P	C	A	16	-31.884	4.168	63.146	1.00	0.00	O
ATOM	492	P	C	A	16	-31.936	4.216	61.664	1.00	0.00	P

ATOM	493	H5	C A	16	-28.015	4.732	64.436	1.00	0.00	H
ATOM	494	H6	C A	16	-28.927	3.536	62.472	1.00	0.00	H
ATOM	495	H1'	C A	16	-26.750	1.798	60.036	1.00	0.00	H
ATOM	496	H3'	C A	16	-30.658	1.514	59.692	1.00	0.00	H
ATOM	497	H4'	C A	16	-29.454	3.158	58.002	1.00	0.00	H
ATOM	498	H41	C A	16	-25.975	5.491	65.513	1.00	0.00	H
ATOM	499	H42	C A	16	-24.354	5.165	64.842	1.00	0.00	H
ATOM	500	H2'1	C A	16	-29.318	1.889	61.647	1.00	0.00	H
ATOM	501	H2'2	C A	16	-28.501	0.492	60.961	1.00	0.00	H
ATOM	502	H5'1	C A	16	-29.688	5.135	59.666	1.00	0.00	H
ATOM	503	H5'2	C A	16	-31.129	4.248	59.123	1.00	0.00	H
ATOM	504	C1'	G A	17	-24.130	-1.178	60.384	1.00	0.00	C
ATOM	505	N1	G A	17	-22.367	1.199	64.539	1.00	0.00	N
ATOM	506	C2	G A	17	-21.680	0.668	63.461	1.00	0.00	C
ATOM	507	N2	G A	17	-20.347	0.785	63.496	1.00	0.00	N
ATOM	508	N3	G A	17	-22.276	0.070	62.431	1.00	0.00	N
ATOM	509	C4	G A	17	-23.628	0.035	62.566	1.00	0.00	C
ATOM	510	C5	G A	17	-24.397	0.533	63.605	1.00	0.00	C
ATOM	511	C6	G A	17	-23.766	1.172	64.697	1.00	0.00	C
ATOM	512	O6	G A	17	-24.271	1.672	65.702	1.00	0.00	O
ATOM	513	N7	G A	17	-25.751	0.292	63.362	1.00	0.00	N
ATOM	514	C8	G A	17	-25.760	-0.326	62.209	1.00	0.00	C
ATOM	515	N9	G A	17	-24.508	-0.520	61.663	1.00	0.00	N
ATOM	516	C2'	G A	17	-24.980	-2.395	60.044	1.00	0.00	C
ATOM	517	C3'	G A	17	-25.080	-2.301	58.531	1.00	0.00	C
ATOM	518	O3'	G A	17	-23.927	-2.906	57.947	1.00	0.00	O
ATOM	519	C4'	G A	17	-25.127	-0.793	58.287	1.00	0.00	C
ATOM	520	O4'	G A	17	-24.292	-0.230	59.346	1.00	0.00	O
ATOM	521	C5'	G A	17	-26.491	-0.147	58.349	1.00	0.00	C
ATOM	522	O5'	G A	17	-27.287	-0.781	59.381	1.00	0.00	O
ATOM	523	O1P	G A	17	-29.134	-1.897	58.085	1.00	0.00	O
ATOM	524	O2P	G A	17	-29.520	-1.184	60.460	1.00	0.00	O
ATOM	525	P	G A	17	-28.860	-0.920	59.158	1.00	0.00	P
ATOM	526	H1	G A	17	-21.810	1.647	65.282	1.00	0.00	H
ATOM	527	H8	G A	17	-26.677	-0.660	61.723	1.00	0.00	H
ATOM	528	H1'	G A	17	-23.073	-1.443	60.435	1.00	0.00	H
ATOM	529	H21	G A	17	-19.893	1.252	64.294	1.00	0.00	H
ATOM	530	H3'	G A	17	-25.977	-2.790	58.149	1.00	0.00	H
ATOM	531	H22	G A	17	-19.778	0.408	62.725	1.00	0.00	H
ATOM	532	H4'	G A	17	-24.723	-0.622	57.289	1.00	0.00	H
ATOM	533	H2'1	G A	17	-25.965	-2.354	60.510	1.00	0.00	H
ATOM	534	H2'2	G A	17	-24.509	-3.329	60.354	1.00	0.00	H
ATOM	535	H5'1	G A	17	-26.373	0.913	58.574	1.00	0.00	H
ATOM	536	H5'2	G A	17	-26.983	-0.255	57.383	1.00	0.00	H
ATOM	537	C1'	G A	18	-20.127	-3.541	62.092	1.00	0.00	C
ATOM	538	N1	G A	18	-21.481	-1.438	66.538	1.00	0.00	N
ATOM	539	C2	G A	18	-20.229	-1.569	65.962	1.00	0.00	C
ATOM	540	N2	G A	18	-19.201	-1.075	66.666	1.00	0.00	N
ATOM	541	N3	G A	18	-20.021	-2.145	64.781	1.00	0.00	N
ATOM	542	C4	G A	18	-21.171	-2.593	64.213	1.00	0.00	C
ATOM	543	C5	G A	18	-22.460	-2.510	64.714	1.00	0.00	C
ATOM	544	C6	G A	18	-22.683	-1.894	65.968	1.00	0.00	C
ATOM	545	O6	G A	18	-23.743	-1.728	66.572	1.00	0.00	O
ATOM	546	N7	G A	18	-23.362	-3.093	63.823	1.00	0.00	N

ATOM	547	C8	G A	18	-22.611	-3.498	62.832	1.00	0.00	C
ATOM	548	N9	G A	18	-21.268	-3.231	62.997	1.00	0.00	N
ATOM	549	C2'	G A	18	-20.251	-4.884	61.385	1.00	0.00	C
ATOM	550	C3'	G A	18	-19.635	-4.586	60.028	1.00	0.00	C
ATOM	551	O3'	G A	18	-18.219	-4.729	60.115	1.00	0.00	O
ATOM	552	C4'	G A	18	-20.054	-3.139	59.774	1.00	0.00	C
ATOM	553	O4'	G A	18	-20.072	-2.531	61.104	1.00	0.00	O
ATOM	554	C5'	G A	18	-21.406	-2.936	59.131	1.00	0.00	C
ATOM	555	O5'	G A	18	-22.339	-3.928	59.625	1.00	0.00	O
ATOM	556	O1P	G A	18	-22.848	-5.316	57.587	1.00	0.00	O
ATOM	557	O2P	G A	18	-24.538	-5.129	59.431	1.00	0.00	O
ATOM	558	P	G A	18	-23.463	-4.484	58.638	1.00	0.00	P
ATOM	559	H1	G A	18	-21.535	-0.969	67.455	1.00	0.00	H
ATOM	560	H8	G A	18	-23.010	-4.004	61.952	1.00	0.00	H
ATOM	561	H1'	G A	18	-19.206	-3.491	62.675	1.00	0.00	H
ATOM	562	H21	G A	18	-19.372	-0.627	67.579	1.00	0.00	H
ATOM	563	H3'	G A	18	-20.018	-5.249	59.251	1.00	0.00	H
ATOM	564	H22	G A	18	-18.245	-1.144	66.294	1.00	0.00	H
ATOM	565	H4'	G A	18	-19.303	-2.703	59.116	1.00	0.00	H
ATOM	566	H2'1	G A	18	-21.288	-5.205	61.288	1.00	0.00	H
ATOM	567	H2'2	G A	18	-19.710	-5.676	61.903	1.00	0.00	H
ATOM	568	H5'1	G A	18	-21.769	-1.937	59.370	1.00	0.00	H
ATOM	569	H5'2	G A	18	-21.305	-3.030	58.050	1.00	0.00	H
ATOM	570	C1'	T A	19	-16.904	-4.880	65.603	1.00	0.00	C
ATOM	571	N1	T A	19	-18.364	-5.049	65.827	1.00	0.00	N
ATOM	572	C2	T A	19	-18.887	-4.531	66.995	1.00	0.00	C
ATOM	573	O2	T A	19	-18.204	-3.956	67.825	1.00	0.00	O
ATOM	574	N3	T A	19	-20.248	-4.710	67.162	1.00	0.00	N
ATOM	575	C4	T A	19	-21.106	-5.345	66.291	1.00	0.00	C
ATOM	576	O4	T A	19	-22.311	-5.447	66.551	1.00	0.00	O
ATOM	577	C5	T A	19	-20.470	-5.854	65.099	1.00	0.00	C
ATOM	578	C6	T A	19	-19.145	-5.697	64.902	1.00	0.00	C
ATOM	579	C7	T A	19	-21.367	-6.551	64.120	1.00	0.00	C
ATOM	580	C2'	T A	19	-16.241	-6.082	64.940	1.00	0.00	C
ATOM	581	C3'	T A	19	-15.195	-5.420	64.057	1.00	0.00	C
ATOM	582	O3'	T A	19	-14.025	-5.162	64.829	1.00	0.00	O
ATOM	583	C4'	T A	19	-15.890	-4.135	63.614	1.00	0.00	C
ATOM	584	O4'	T A	19	-16.723	-3.762	64.756	1.00	0.00	O
ATOM	585	C5'	T A	19	-16.766	-4.233	62.387	1.00	0.00	C
ATOM	586	O5'	T A	19	-17.444	-5.514	62.371	1.00	0.00	O
ATOM	587	O1P	T A	19	-16.460	-6.669	60.363	1.00	0.00	O
ATOM	588	O2P	T A	19	-18.774	-7.252	61.137	1.00	0.00	O
ATOM	589	P	T A	19	-17.729	-6.215	60.967	1.00	0.00	P
ATOM	590	H3	T A	19	-20.662	-4.328	68.025	1.00	0.00	H
ATOM	591	H6	T A	19	-18.687	-6.089	63.993	1.00	0.00	H
ATOM	592	H1'	T A	19	-16.435	-4.656	66.561	1.00	0.00	H
ATOM	593	H3'	T A	19	-14.933	-6.042	63.201	1.00	0.00	H
ATOM	594	H4'	T A	19	-15.104	-3.407	63.403	1.00	0.00	H
ATOM	595	H71	T A	19	-21.093	-7.604	64.062	1.00	0.00	H
ATOM	596	H72	T A	19	-22.402	-6.464	64.451	1.00	0.00	H
ATOM	597	H73	T A	19	-21.261	-6.093	63.136	1.00	0.00	H
ATOM	598	H2'1	T A	19	-16.945	-6.668	64.351	1.00	0.00	H
ATOM	599	H2'2	T A	19	-15.782	-6.754	65.666	1.00	0.00	H
ATOM	600	H5'1	T A	19	-17.500	-3.428	62.405	1.00	0.00	H

ATOM	601	H5'2	T	A	19	-16.147	-4.133	61.496	1.00	0.00	H
ATOM	602	C01	LNK	A	20	-11.188	-7.386	65.757	0.00	0.00	C
ATOM	603	O1	LNK	A	20	-12.455	-7.158	65.137	1.00	0.00	O
ATOM	604	S	LNK	A	20	-8.698	-10.406	66.482	0.00	0.00	S
ATOM	605	C02	LNK	A	20	-10.825	-8.879	65.646	0.00	0.00	C
ATOM	606	C03	LNK	A	20	-10.095	-9.327	66.927	0.00	0.00	C
ATOM	607	O1P	LNK	A	20	-14.776	-7.350	66.094	1.00	0.00	O
ATOM	608	O2P	LNK	A	20	-13.046	-5.956	67.263	1.00	0.00	O
ATOM	609	P	LNK	A	20	-13.609	-6.452	65.983	1.00	0.00	P
ATOM	610	H01	LNK	A	20	-11.240	-7.103	66.809	0.00	0.00	H
ATOM	611	H02	LNK	A	20	-10.425	-6.789	65.258	0.00	0.00	H
ATOM	612	H03	LNK	A	20	-10.787	-9.875	67.566	0.00	0.00	H
ATOM	613	H04	LNK	A	20	-10.174	-9.031	64.784	0.00	0.00	H
ATOM	614	H05	LNK	A	20	-11.735	-9.465	65.522	0.00	0.00	H
ATOM	615	H06	LNK	A	20	-9.723	-8.452	67.459	0.00	0.00	H
ATOM	616	AU	LNK	A	20	-8.435	-10.686	67.050			
TER											
ATOM	618	C1'	A	B	2	-22.869	-1.525	74.091	1.00	0.00	C
ATOM	619	N1	A	B	2	-21.452	-3.630	69.630	1.00	0.00	N
ATOM	620	C2	A	B	2	-20.774	-2.985	70.573	1.00	0.00	C
ATOM	621	N3	A	B	2	-21.202	-2.469	71.706	1.00	0.00	N
ATOM	622	C4	A	B	2	-22.528	-2.666	71.836	1.00	0.00	C
ATOM	623	C5	A	B	2	-23.363	-3.303	70.962	1.00	0.00	C
ATOM	624	C6	A	B	2	-22.772	-3.812	69.787	1.00	0.00	C
ATOM	625	N6	A	B	2	-23.468	-4.462	68.838	1.00	0.00	N
ATOM	626	N7	A	B	2	-24.664	-3.314	71.433	1.00	0.00	N
ATOM	627	C8	A	B	2	-24.590	-2.685	72.569	1.00	0.00	C
ATOM	628	N9	A	B	2	-23.323	-2.265	72.881	1.00	0.00	N
ATOM	629	C2'	A	B	2	-23.866	-0.484	74.583	1.00	0.00	C
ATOM	630	C3'	A	B	2	-23.695	-0.569	76.091	1.00	0.00	C
ATOM	631	O3'	A	B	2	-22.596	0.249	76.483	1.00	0.00	O
ATOM	632	C4'	A	B	2	-23.419	-2.055	76.318	1.00	0.00	C
ATOM	633	O4'	A	B	2	-22.678	-2.471	75.125	1.00	0.00	O
ATOM	634	C5'	A	B	2	-24.628	-2.947	76.473	1.00	0.00	C
ATOM	635	O5'	A	B	2	-25.688	-2.491	75.596	1.00	0.00	O
ATOM	636	H2	A	B	2	-19.709	-2.867	70.384	1.00	0.00	H
ATOM	637	H8	A	B	2	-25.453	-2.509	73.212	1.00	0.00	H
ATOM	638	H1'	A	B	2	-21.905	-1.068	73.869	1.00	0.00	H
ATOM	639	H3'	A	B	2	-24.591	-0.250	76.623	1.00	0.00	H
ATOM	640	H4'	A	B	2	-22.830	-2.130	77.232	1.00	0.00	H
ATOM	641	H61	A	B	2	-22.987	-4.817	68.000	1.00	0.00	H
ATOM	642	H62	A	B	2	-24.482	-4.605	68.951	1.00	0.00	H
ATOM	643	H2'1	A	B	2	-24.889	-0.717	74.286	1.00	0.00	H
ATOM	644	H2'2	A	B	2	-23.636	0.516	74.213	1.00	0.00	H
ATOM	645	H5'1	A	B	2	-24.352	-3.969	76.217	1.00	0.00	H
ATOM	646	H5'2	A	B	2	-24.965	-2.914	77.508	1.00	0.00	H
ATOM	647	C1'	C	B	3	-19.701	1.468	71.713	1.00	0.00	C
ATOM	648	N1	C	B	3	-20.909	0.943	71.019	1.00	0.00	N
ATOM	649	C2	C	B	3	-20.735	0.331	69.780	1.00	0.00	C
ATOM	650	O2	C	B	3	-19.592	0.247	69.311	1.00	0.00	O
ATOM	651	N3	C	B	3	-21.821	-0.154	69.132	1.00	0.00	N
ATOM	652	C4	C	B	3	-23.046	-0.048	69.665	1.00	0.00	C
ATOM	653	N4	C	B	3	-24.074	-0.542	68.989	1.00	0.00	N
ATOM	654	C5	C	B	3	-23.257	0.582	70.936	1.00	0.00	C

ATOM	655	C6	C B	3	-22.146	1.059	71.574	1.00	0.00	C
ATOM	656	C2'	C B	3	-19.937	2.780	72.449	1.00	0.00	C
ATOM	657	C3'	C B	3	-19.049	2.621	73.674	1.00	0.00	C
ATOM	658	O3'	C B	3	-17.719	3.011	73.341	1.00	0.00	O
ATOM	659	C4'	C B	3	-19.154	1.128	73.977	1.00	0.00	C
ATOM	660	O4'	C B	3	-19.297	0.500	72.663	1.00	0.00	O
ATOM	661	C5'	C B	3	-20.314	0.700	74.846	1.00	0.00	C
ATOM	662	O5'	C B	3	-21.481	1.503	74.536	1.00	0.00	O
ATOM	663	O1P	C B	3	-21.863	2.815	76.649	1.00	0.00	O
ATOM	664	O2P	C B	3	-23.790	2.297	75.128	1.00	0.00	O
ATOM	665	P	C B	3	-22.495	1.867	75.710	1.00	0.00	P
ATOM	666	H5	C B	3	-24.251	0.677	71.372	1.00	0.00	H
ATOM	667	H6	C B	3	-22.254	1.539	72.546	1.00	0.00	H
ATOM	668	H1'	C B	3	-18.902	1.571	70.978	1.00	0.00	H
ATOM	669	H3'	C B	3	-19.402	3.219	74.514	1.00	0.00	H
ATOM	670	H4'	C B	3	-18.235	0.843	74.489	1.00	0.00	H
ATOM	671	H41	C B	3	-25.026	-0.477	69.379	1.00	0.00	H
ATOM	672	H42	C B	3	-23.921	-0.993	68.075	1.00	0.00	H
ATOM	673	H2'1	C B	3	-20.980	2.915	72.731	1.00	0.00	H
ATOM	674	H2'2	C B	3	-19.643	3.646	71.855	1.00	0.00	H
ATOM	675	H5'1	C B	3	-20.532	-0.352	74.660	1.00	0.00	H
ATOM	676	H5'2	C B	3	-20.045	0.830	75.892	1.00	0.00	H
ATOM	677	C1'	C B	4	-17.457	3.287	67.690	1.00	0.00	C
ATOM	678	N1	C B	4	-18.942	3.200	67.755	1.00	0.00	N
ATOM	679	C2	C B	4	-19.606	2.580	66.699	1.00	0.00	C
ATOM	680	O2	C B	4	-18.941	2.128	65.757	1.00	0.00	O
ATOM	681	N3	C B	4	-20.957	2.490	66.738	1.00	0.00	N
ATOM	682	C4	C B	4	-21.651	2.988	67.771	1.00	0.00	C
ATOM	683	N4	C B	4	-22.970	2.870	67.760	1.00	0.00	N
ATOM	684	C5	C B	4	-20.995	3.636	68.869	1.00	0.00	C
ATOM	685	C6	C B	4	-19.632	3.710	68.810	1.00	0.00	C
ATOM	686	C2'	C B	4	-16.895	4.594	68.232	1.00	0.00	C
ATOM	687	C3'	C B	4	-15.601	4.134	68.886	1.00	0.00	C
ATOM	688	O3'	C B	4	-14.575	4.067	67.899	1.00	0.00	O
ATOM	689	C4'	C B	4	-15.967	2.757	69.433	1.00	0.00	C
ATOM	690	O4'	C B	4	-16.930	2.228	68.466	1.00	0.00	O
ATOM	691	C5'	C B	4	-16.596	2.724	70.808	1.00	0.00	C
ATOM	692	O5'	C B	4	-17.466	3.873	70.975	1.00	0.00	O
ATOM	693	O1P	C B	4	-16.324	5.210	72.776	1.00	0.00	O
ATOM	694	O2P	C B	4	-18.809	5.378	72.472	1.00	0.00	O
ATOM	695	P	C B	4	-17.588	4.537	72.419	1.00	0.00	P
ATOM	696	H5	C B	4	-21.555	4.049	69.708	1.00	0.00	H
ATOM	697	H6	C B	4	-19.088	4.187	69.625	1.00	0.00	H
ATOM	698	H1'	C B	4	-17.151	3.129	66.656	1.00	0.00	H
ATOM	699	H3'	C B	4	-15.288	4.805	69.687	1.00	0.00	H
ATOM	700	H4'	C B	4	-15.045	2.177	69.476	1.00	0.00	H
ATOM	701	H41	C B	4	-23.528	3.242	68.543	1.00	0.00	H
ATOM	702	H42	C B	4	-23.441	2.406	66.968	1.00	0.00	H
ATOM	703	H2'1	C B	4	-17.561	5.062	68.956	1.00	0.00	H
ATOM	704	H2'2	C B	4	-16.704	5.321	67.442	1.00	0.00	H
ATOM	705	H5'1	C B	4	-17.172	1.806	70.916	1.00	0.00	H
ATOM	706	H5'2	C B	4	-15.808	2.746	71.560	1.00	0.00	H
ATOM	707	C1'	G B	5	-17.142	4.311	62.855	1.00	0.00	C
ATOM	708	N1	G B	5	-22.238	4.203	63.079	1.00	0.00	N

ATOM	709	C2	G B	5	-21.379	3.683	62.126	1.00	0.00	C
ATOM	710	N2	G B	5	-21.955	3.051	61.096	1.00	0.00	N
ATOM	711	N3	G B	5	-20.053	3.784	62.198	1.00	0.00	N
ATOM	712	C4	G B	5	-19.645	4.460	63.304	1.00	0.00	C
ATOM	713	C5	G B	5	-20.428	5.016	64.302	1.00	0.00	C
ATOM	714	C6	G B	5	-21.835	4.906	64.230	1.00	0.00	C
ATOM	715	O6	G B	5	-22.687	5.330	65.010	1.00	0.00	O
ATOM	716	N7	G B	5	-19.619	5.627	65.263	1.00	0.00	N
ATOM	717	C8	G B	5	-18.401	5.425	64.829	1.00	0.00	C
ATOM	718	N9	G B	5	-18.336	4.723	63.643	1.00	0.00	N
ATOM	719	C2'	G B	5	-16.026	5.347	62.847	1.00	0.00	C
ATOM	720	C3'	G B	5	-14.782	4.473	62.855	1.00	0.00	C
ATOM	721	O3'	G B	5	-14.473	4.085	61.519	1.00	0.00	O
ATOM	722	C4'	G B	5	-15.206	3.287	63.719	1.00	0.00	C
ATOM	723	O4'	G B	5	-16.632	3.125	63.433	1.00	0.00	O
ATOM	724	C5'	G B	5	-15.026	3.443	65.210	1.00	0.00	C
ATOM	725	O5'	G B	5	-15.307	4.811	65.597	1.00	0.00	O
ATOM	726	O1P	G B	5	-13.075	5.664	66.388	1.00	0.00	O
ATOM	727	O2P	G B	5	-15.191	6.653	67.302	1.00	0.00	O
ATOM	728	P	G B	5	-14.478	5.456	66.798	1.00	0.00	P
ATOM	729	H1	G B	5	-23.250	4.064	62.934	1.00	0.00	H
ATOM	730	H8	G B	5	-17.516	5.779	65.356	1.00	0.00	H
ATOM	731	H1'	G B	5	-17.466	4.078	61.841	1.00	0.00	H
ATOM	732	H21	G B	5	-22.981	2.974	61.049	1.00	0.00	H
ATOM	733	H3'	G B	5	-13.924	4.988	63.289	1.00	0.00	H
ATOM	734	H22	G B	5	-21.372	2.644	60.351	1.00	0.00	H
ATOM	735	H4'	G B	5	-14.609	2.433	63.399	1.00	0.00	H
ATOM	736	H2'1	G B	5	-16.060	5.999	63.720	1.00	0.00	H
ATOM	737	H2'2	G B	5	-16.059	5.983	61.962	1.00	0.00	H
ATOM	738	H5'1	G B	5	-15.708	2.767	65.725	1.00	0.00	H
ATOM	739	H5'2	G B	5	-14.000	3.189	65.475	1.00	0.00	H
ATOM	740	C1'	T B	6	-19.010	5.230	58.364	1.00	0.00	C
ATOM	741	N1	T B	6	-19.489	5.998	59.545	1.00	0.00	N
ATOM	742	C2	T B	6	-20.853	6.064	59.742	1.00	0.00	C
ATOM	743	O2	T B	6	-21.655	5.528	58.997	1.00	0.00	O
ATOM	744	N3	T B	6	-21.253	6.786	60.853	1.00	0.00	N
ATOM	745	C4	T B	6	-20.433	7.431	61.754	1.00	0.00	C
ATOM	746	O4	T B	6	-20.908	8.052	62.711	1.00	0.00	O
ATOM	747	C5	T B	6	-19.024	7.304	61.464	1.00	0.00	C
ATOM	748	C6	T B	6	-18.597	6.608	60.393	1.00	0.00	C
ATOM	749	C7	T B	6	-18.094	7.989	62.421	1.00	0.00	C
ATOM	750	C2'	T B	6	-17.802	5.854	57.676	1.00	0.00	C
ATOM	751	C3'	T B	6	-17.021	4.626	57.234	1.00	0.00	C
ATOM	752	O3'	T B	6	-17.535	4.169	55.984	1.00	0.00	O
ATOM	753	C4'	T B	6	-17.280	3.632	58.364	1.00	0.00	C
ATOM	754	O4'	T B	6	-18.640	3.940	58.809	1.00	0.00	O
ATOM	755	C5'	T B	6	-16.353	3.711	59.555	1.00	0.00	C
ATOM	756	O5'	T B	6	-16.007	5.095	59.815	1.00	0.00	O
ATOM	757	O1P	T B	6	-13.540	5.180	59.326	1.00	0.00	O
ATOM	758	O2P	T B	6	-14.552	6.790	60.964	1.00	0.00	O
ATOM	759	P	T B	6	-14.551	5.430	60.372	1.00	0.00	P
ATOM	760	H3	T B	6	-22.268	6.848	61.024	1.00	0.00	H
ATOM	761	H6	T B	6	-17.528	6.527	60.196	1.00	0.00	H
ATOM	762	H1'	T B	6	-19.841	5.120	57.668	1.00	0.00	H

ATOM	763	H3'	T B	6	-15.957	4.835	57.130	1.00	0.00	H
ATOM	764	H4'	T B	6	-17.187	2.634	57.935	1.00	0.00	H
ATOM	765	H71	T B	6	-17.572	8.796	61.907	1.00	0.00	H
ATOM	766	H72	T B	6	-18.665	8.398	63.255	1.00	0.00	H
ATOM	767	H73	T B	6	-17.365	7.270	62.799	1.00	0.00	H
ATOM	768	H2'1	T B	6	-17.216	6.474	58.352	1.00	0.00	H
ATOM	769	H2'2	T B	6	-18.084	6.472	56.824	1.00	0.00	H
ATOM	770	H5'1	T B	6	-16.851	3.286	60.426	1.00	0.00	H
ATOM	771	H5'2	T B	6	-15.450	3.140	59.342	1.00	0.00	H
ATOM	772	C1'	C B	7	-22.567	6.786	55.268	1.00	0.00	C
ATOM	773	N1	C B	7	-22.112	7.652	56.393	1.00	0.00	N
ATOM	774	C2	C B	7	-23.081	8.185	57.238	1.00	0.00	C
ATOM	775	O2	C B	7	-24.273	7.921	57.025	1.00	0.00	O
ATOM	776	N3	C B	7	-22.688	8.975	58.268	1.00	0.00	N
ATOM	777	C4	C B	7	-21.393	9.243	58.473	1.00	0.00	C
ATOM	778	N4	C B	7	-21.065	10.018	59.496	1.00	0.00	N
ATOM	779	C5	C B	7	-20.373	8.712	57.616	1.00	0.00	C
ATOM	780	C6	C B	7	-20.793	7.914	56.589	1.00	0.00	C
ATOM	781	C2'	C B	7	-21.770	6.977	53.986	1.00	0.00	C
ATOM	782	C3'	C B	7	-21.736	5.566	53.422	1.00	0.00	C
ATOM	783	O3'	C B	7	-22.930	5.329	52.681	1.00	0.00	O
ATOM	784	C4'	C B	7	-21.654	4.700	54.677	1.00	0.00	C
ATOM	785	O4'	C B	7	-22.423	5.439	55.677	1.00	0.00	O
ATOM	786	C5'	C B	7	-20.268	4.442	55.226	1.00	0.00	C
ATOM	787	O5'	C B	7	-19.447	5.624	55.054	1.00	0.00	O
ATOM	788	O1P	C B	7	-17.693	4.880	53.410	1.00	0.00	O
ATOM	789	O2P	C B	7	-17.181	6.710	55.047	1.00	0.00	O
ATOM	790	P	C B	7	-17.890	5.440	54.761	1.00	0.00	P
ATOM	791	H5	C B	7	-19.318	8.933	57.776	1.00	0.00	H
ATOM	792	H6	C B	7	-20.054	7.481	55.915	1.00	0.00	H
ATOM	793	H1'	C B	7	-23.628	6.975	55.102	1.00	0.00	H
ATOM	794	H3'	C B	7	-20.871	5.405	52.775	1.00	0.00	H
ATOM	795	H4'	C B	7	-22.095	3.735	54.426	1.00	0.00	H
ATOM	796	H41	C B	7	-20.074	10.238	59.679	1.00	0.00	H
ATOM	797	H42	C B	7	-21.799	10.401	60.110	1.00	0.00	H
ATOM	798	H2'1	C B	7	-20.765	7.353	54.175	1.00	0.00	H
ATOM	799	H2'2	C B	7	-22.255	7.669	53.297	1.00	0.00	H
ATOM	800	H5'1	C B	7	-20.344	4.196	56.286	1.00	0.00	H
ATOM	801	H5'2	C B	7	-19.823	3.604	54.694	1.00	0.00	H
ATOM	802	C1'	C B	8	-26.554	9.460	54.050	1.00	0.00	C
ATOM	803	N1	C B	8	-25.365	10.111	54.664	1.00	0.00	N
ATOM	804	C2	C B	8	-25.568	10.926	55.776	1.00	0.00	C
ATOM	805	O2	C B	8	-26.720	11.073	56.206	1.00	0.00	O
ATOM	806	N3	C B	8	-24.499	11.527	56.350	1.00	0.00	N
ATOM	807	C4	C B	8	-23.264	11.349	55.862	1.00	0.00	C
ATOM	808	N4	C B	8	-22.254	11.960	56.465	1.00	0.00	N
ATOM	809	C5	C B	8	-23.024	10.521	54.716	1.00	0.00	C
ATOM	810	C6	C B	8	-24.117	9.921	54.157	1.00	0.00	C
ATOM	811	C2'	C B	8	-26.500	9.393	52.529	1.00	0.00	C
ATOM	812	C3'	C B	8	-27.169	8.056	52.248	1.00	0.00	C
ATOM	813	O3'	C B	8	-28.583	8.237	52.221	1.00	0.00	O
ATOM	814	C4'	C B	8	-26.719	7.196	53.427	1.00	0.00	C
ATOM	815	O4'	C B	8	-26.622	8.136	54.544	1.00	0.00	O
ATOM	816	C5'	C B	8	-25.393	6.488	53.275	1.00	0.00	C

ATOM	817	O5'	C B	8	-24.467	7.334	52.546	1.00	0.00	O
ATOM	818	O1P	C B	8	-24.093	6.072	50.400	1.00	0.00	O
ATOM	819	O2P	C B	8	-22.315	7.609	51.279	1.00	0.00	O
ATOM	820	P	C B	8	-23.407	6.649	51.574	1.00	0.00	P
ATOM	821	H5	C B	8	-22.022	10.379	54.311	1.00	0.00	H
ATOM	822	H6	C B	8	-23.984	9.276	53.288	1.00	0.00	H
ATOM	823	H1'	C B	8	-27.445	9.991	54.386	1.00	0.00	H
ATOM	824	H3'	C B	8	-26.841	7.627	51.301	1.00	0.00	H
ATOM	825	H4'	C B	8	-27.485	6.435	53.574	1.00	0.00	H
ATOM	826	H41	C B	8	-21.293	11.837	56.112	1.00	0.00	H
ATOM	827	H42	C B	8	-22.428	12.556	57.288	1.00	0.00	H
ATOM	828	H2'1	C B	8	-25.479	9.413	52.150	1.00	0.00	H
ATOM	829	H2'2	C B	8	-27.041	10.215	52.060	1.00	0.00	H
ATOM	830	H5'1	C B	8	-24.989	6.268	54.263	1.00	0.00	H
ATOM	831	H5'2	C B	8	-25.545	5.556	52.733	1.00	0.00	H
ATOM	832	C1'	T B	9	-29.641	13.304	54.481	1.00	0.00	C
ATOM	833	N1	T B	9	-28.177	13.532	54.355	1.00	0.00	N
ATOM	834	C2	T B	9	-27.583	14.352	55.293	1.00	0.00	C
ATOM	835	O2	T B	9	-28.208	14.880	56.195	1.00	0.00	O
ATOM	836	N3	T B	9	-26.222	14.535	55.138	1.00	0.00	N
ATOM	837	C4	T B	9	-25.426	13.988	54.154	1.00	0.00	C
ATOM	838	O4	T B	9	-24.213	14.228	54.116	1.00	0.00	O
ATOM	839	C5	T B	9	-26.135	13.144	53.221	1.00	0.00	C
ATOM	840	C6	T B	9	-27.462	12.943	53.342	1.00	0.00	C
ATOM	841	C7	T B	9	-25.306	12.526	52.135	1.00	0.00	C
ATOM	842	C2'	T B	9	-30.371	13.235	53.144	1.00	0.00	C
ATOM	843	C3'	T B	9	-31.440	12.188	53.420	1.00	0.00	C
ATOM	844	O3'	T B	9	-32.563	12.817	54.033	1.00	0.00	O
ATOM	845	C4'	T B	9	-30.731	11.219	54.364	1.00	0.00	C
ATOM	846	O4'	T B	9	-29.832	12.070	55.145	1.00	0.00	O
ATOM	847	C5'	T B	9	-29.919	10.122	53.716	1.00	0.00	C
ATOM	848	O5'	T B	9	-29.280	10.630	52.517	1.00	0.00	O
ATOM	849	O1P	T B	9	-30.394	9.334	50.670	1.00	0.00	O
ATOM	850	O2P	T B	9	-28.061	10.207	50.361	1.00	0.00	O
ATOM	851	P	T B	9	-29.084	9.647	51.277	1.00	0.00	P
ATOM	852	H3	T B	9	-25.755	15.140	55.828	1.00	0.00	H
ATOM	853	H6	T B	9	-27.975	12.303	52.624	1.00	0.00	H
ATOM	854	H1'	T B	9	-30.057	14.091	55.111	1.00	0.00	H
ATOM	855	H3'	T B	9	-31.760	11.686	52.508	1.00	0.00	H
ATOM	856	H4'	T B	9	-31.505	10.747	54.971	1.00	0.00	H
ATOM	857	H71	T B	9	-25.614	12.928	51.169	1.00	0.00	H
ATOM	858	H72	T B	9	-24.254	12.754	52.305	1.00	0.00	H
ATOM	859	H73	T B	9	-25.449	11.445	52.140	1.00	0.00	H
ATOM	860	H2'1	T B	9	-29.714	12.927	52.332	1.00	0.00	H
ATOM	861	H2'2	T B	9	-30.813	14.191	52.865	1.00	0.00	H
ATOM	862	H5'1	T B	9	-29.162	9.774	54.418	1.00	0.00	H
ATOM	863	H5'2	T B	9	-30.577	9.295	53.459	1.00	0.00	H
ATOM	864	C1'	A B	10	-30.798	17.961	55.750	1.00	0.00	C
ATOM	865	N1	A B	10	-25.775	18.789	55.104	1.00	0.00	N
ATOM	866	C2	A B	10	-26.641	19.195	56.028	1.00	0.00	C
ATOM	867	N3	A B	10	-27.927	18.941	56.137	1.00	0.00	N
ATOM	868	C4	A B	10	-28.335	18.157	55.123	1.00	0.00	C
ATOM	869	C5	A B	10	-27.577	17.658	54.099	1.00	0.00	C
ATOM	870	C6	A B	10	-26.211	18.007	54.104	1.00	0.00	C

ATOM	871	N6	A B	10	-25.345	17.591	53.164	1.00	0.00	N
ATOM	872	N7	A B	10	-28.342	16.887	53.241	1.00	0.00	N
ATOM	873	C8	A B	10	-29.535	16.939	53.755	1.00	0.00	C
ATOM	874	N9	A B	10	-29.607	17.689	54.901	1.00	0.00	N
ATOM	875	C2'	A B	10	-32.085	18.150	54.959	1.00	0.00	C
ATOM	876	C3'	A B	10	-33.119	17.517	55.877	1.00	0.00	C
ATOM	877	O3'	A B	10	-33.534	18.477	56.846	1.00	0.00	O
ATOM	878	C4'	A B	10	-32.348	16.358	56.508	1.00	0.00	C
ATOM	879	O4'	A B	10	-30.974	16.852	56.612	1.00	0.00	O
ATOM	880	C5'	A B	10	-32.338	15.060	55.736	1.00	0.00	C
ATOM	881	O5'	A B	10	-32.278	15.336	54.313	1.00	0.00	O
ATOM	882	O1P	A B	10	-34.496	14.502	53.464	1.00	0.00	O
ATOM	883	O2P	A B	10	-32.506	14.553	51.936	1.00	0.00	O
ATOM	884	P	A B	10	-33.036	14.357	53.308	1.00	0.00	P
ATOM	885	H2	A B	10	-26.224	19.830	56.809	1.00	0.00	H
ATOM	886	H8	A B	10	-30.396	16.434	53.317	1.00	0.00	H
ATOM	887	H1'	A B	10	-30.586	18.835	56.365	1.00	0.00	H
ATOM	888	H3'	A B	10	-33.988	17.158	55.327	1.00	0.00	H
ATOM	889	H4'	A B	10	-32.805	16.165	57.478	1.00	0.00	H
ATOM	890	H61	A B	10	-24.356	17.872	53.216	1.00	0.00	H
ATOM	891	H62	A B	10	-25.672	16.991	52.392	1.00	0.00	H
ATOM	892	H2'1	A B	10	-32.055	17.649	53.992	1.00	0.00	H
ATOM	893	H2'2	A B	10	-32.308	19.202	54.777	1.00	0.00	H
ATOM	894	H5'1	A B	10	-31.469	14.473	56.033	1.00	0.00	H
ATOM	895	H5'2	A B	10	-33.243	14.501	55.963	1.00	0.00	H
ATOM	896	C1'	G B	11	-29.715	22.720	56.658	1.00	0.00	C
ATOM	897	N1	G B	11	-25.762	21.840	53.556	1.00	0.00	N
ATOM	898	C2	G B	11	-25.817	22.539	54.749	1.00	0.00	C
ATOM	899	N2	G B	11	-24.665	23.076	55.170	1.00	0.00	N
ATOM	900	N3	G B	11	-26.930	22.688	55.464	1.00	0.00	N
ATOM	901	C4	G B	11	-28.001	22.085	54.884	1.00	0.00	C
ATOM	902	C5	G B	11	-28.042	21.373	53.698	1.00	0.00	C
ATOM	903	C6	G B	11	-26.860	21.210	52.939	1.00	0.00	C
ATOM	904	O6	G B	11	-26.698	20.618	51.872	1.00	0.00	O
ATOM	905	N7	G B	11	-29.339	20.916	53.454	1.00	0.00	N
ATOM	906	C8	G B	11	-30.027	21.353	54.478	1.00	0.00	C
ATOM	907	N9	G B	11	-29.283	22.074	55.389	1.00	0.00	N
ATOM	908	C2'	G B	11	-31.100	23.349	56.585	1.00	0.00	C
ATOM	909	C3'	G B	11	-31.641	23.089	57.981	1.00	0.00	C
ATOM	910	O3'	G B	11	-31.187	24.117	58.858	1.00	0.00	O
ATOM	911	C4'	G B	11	-31.043	21.727	58.329	1.00	0.00	C
ATOM	912	O4'	G B	11	-29.741	21.725	57.662	1.00	0.00	O
ATOM	913	C5'	G B	11	-31.822	20.516	57.874	1.00	0.00	C
ATOM	914	O5'	G B	11	-32.429	20.779	56.584	1.00	0.00	O
ATOM	915	O1P	G B	11	-34.895	20.761	57.085	1.00	0.00	O
ATOM	916	O2P	G B	11	-34.076	20.158	54.792	1.00	0.00	O
ATOM	917	P	G B	11	-33.850	20.131	56.257	1.00	0.00	P
ATOM	918	H1	G B	11	-24.848	21.777	53.083	1.00	0.00	H
ATOM	919	H8	G B	11	-31.093	21.166	54.598	1.00	0.00	H
ATOM	920	H1'	G B	11	-28.964	23.459	56.938	1.00	0.00	H
ATOM	921	H21	G B	11	-23.806	22.953	54.614	1.00	0.00	H
ATOM	922	H3'	G B	11	-32.731	23.055	57.998	1.00	0.00	H
ATOM	923	H22	G B	11	-24.638	23.611	56.050	1.00	0.00	H
ATOM	924	H4'	G B	11	-30.965	21.684	59.416	1.00	0.00	H

ATOM	925	H2'1	G B	11	-31.726	22.883	55.823	1.00	0.00	H
ATOM	926	H2'2	G B	11	-31.058	24.416	56.368	1.00	0.00	H
ATOM	927	H5'1	G B	11	-31.146	19.664	57.796	1.00	0.00	H
ATOM	928	H5'2	G B	11	-32.597	20.293	58.607	1.00	0.00	H
ATOM	929	C1'	G B	12	-27.012	26.842	56.183	1.00	0.00	C
ATOM	930	N1	G B	12	-25.629	24.743	51.743	1.00	0.00	N
ATOM	931	C2	G B	12	-24.866	25.406	52.689	1.00	0.00	C
ATOM	932	N2	G B	12	-23.560	25.526	52.414	1.00	0.00	N
ATOM	933	N3	G B	12	-25.364	25.906	53.818	1.00	0.00	N
ATOM	934	C4	G B	12	-26.703	25.699	53.927	1.00	0.00	C
ATOM	935	C5	G B	12	-27.544	25.055	53.037	1.00	0.00	C
ATOM	936	C6	G B	12	-27.015	24.520	51.840	1.00	0.00	C
ATOM	937	O6	G B	12	-27.596	23.921	50.934	1.00	0.00	O
ATOM	938	N7	G B	12	-28.853	25.056	53.522	1.00	0.00	N
ATOM	939	C8	G B	12	-28.766	25.683	54.666	1.00	0.00	C
ATOM	940	N9	G B	12	-27.492	26.106	54.982	1.00	0.00	N
ATOM	941	C2'	G B	12	-27.990	27.895	56.687	1.00	0.00	C
ATOM	942	C3'	G B	12	-27.799	27.811	58.193	1.00	0.00	C
ATOM	943	O3'	G B	12	-26.687	28.620	58.570	1.00	0.00	O
ATOM	944	C4'	G B	12	-27.534	26.324	58.419	1.00	0.00	C
ATOM	945	O4'	G B	12	-26.816	25.899	57.218	1.00	0.00	O
ATOM	946	C5'	G B	12	-28.750	25.444	58.591	1.00	0.00	C
ATOM	947	O5'	G B	12	-29.818	25.909	57.729	1.00	0.00	O
ATOM	948	O1P	G B	12	-31.572	26.702	59.351	1.00	0.00	O
ATOM	949	O2P	G B	12	-32.244	25.891	57.074	1.00	0.00	O
ATOM	950	P	G B	12	-31.326	25.772	58.233	1.00	0.00	P
ATOM	951	H1	G B	12	-25.144	24.387	50.905	1.00	0.00	H
ATOM	952	H8	G B	12	-29.625	25.858	55.315	1.00	0.00	H
ATOM	953	H1'	G B	12	-26.046	27.288	55.947	1.00	0.00	H
ATOM	954	H21	G B	12	-23.181	25.133	51.541	1.00	0.00	H
ATOM	955	H3'	G B	12	-28.685	28.140	58.737	1.00	0.00	H
ATOM	956	H22	G B	12	-22.939	26.012	53.076	1.00	0.00	H
ATOM	957	H4'	G B	12	-26.934	26.243	59.325	1.00	0.00	H
ATOM	958	H2'1	G B	12	-29.019	27.672	56.405	1.00	0.00	H
ATOM	959	H2'2	G B	12	-27.756	28.891	56.312	1.00	0.00	H
ATOM	960	H5'1	G B	12	-28.489	24.418	58.333	1.00	0.00	H
ATOM	961	H5'2	G B	12	-29.074	25.481	59.632	1.00	0.00	H
ATOM	962	C1'	T B	13	-23.856	29.855	53.846	1.00	0.00	C
ATOM	963	N1	T B	13	-25.049	29.325	53.135	1.00	0.00	N
ATOM	964	C2	T B	13	-24.838	28.725	51.909	1.00	0.00	C
ATOM	965	O2	T B	13	-23.732	28.622	51.408	1.00	0.00	O
ATOM	966	N3	T B	13	-25.974	28.246	51.284	1.00	0.00	N
ATOM	967	C4	T B	13	-27.267	28.314	51.761	1.00	0.00	C
ATOM	968	O4	T B	13	-28.208	27.851	51.107	1.00	0.00	O
ATOM	969	C5	T B	13	-27.388	28.957	53.049	1.00	0.00	C
ATOM	970	C6	T B	13	-26.301	29.436	53.688	1.00	0.00	C
ATOM	971	C7	T B	13	-28.775	29.052	53.609	1.00	0.00	C
ATOM	972	C2'	T B	13	-24.112	31.164	54.585	1.00	0.00	C
ATOM	973	C3'	T B	13	-23.238	31.006	55.820	1.00	0.00	C
ATOM	974	O3'	T B	13	-21.907	31.409	55.506	1.00	0.00	O
ATOM	975	C4'	T B	13	-23.335	29.512	56.117	1.00	0.00	C
ATOM	976	O4'	T B	13	-23.455	28.889	54.798	1.00	0.00	O
ATOM	977	C5'	T B	13	-24.503	29.070	56.969	1.00	0.00	C
ATOM	978	O5'	T B	13	-25.672	29.866	56.647	1.00	0.00	O

ATOM	979	O1P	T B	13	-26.091	31.167	58.759	1.00	0.00	O
ATOM	980	O2P	T B	13	-27.995	30.639	57.211	1.00	0.00	O
ATOM	981	P	T B	13	-26.705	30.217	57.809	1.00	0.00	P
ATOM	982	H3	T B	13	-25.842	27.791	50.369	1.00	0.00	H
ATOM	983	H6	T B	13	-26.418	29.917	54.659	1.00	0.00	H
ATOM	984	H1'	T B	13	-23.048	29.968	53.123	1.00	0.00	H
ATOM	985	H3'	T B	13	-23.607	31.599	56.657	1.00	0.00	H
ATOM	986	H4'	T B	13	-22.420	29.233	56.639	1.00	0.00	H
ATOM	987	H71	T B	13	-29.076	30.098	53.663	1.00	0.00	H
ATOM	988	H72	T B	13	-29.466	28.509	52.961	1.00	0.00	H
ATOM	989	H73	T B	13	-28.796	28.615	54.608	1.00	0.00	H
ATOM	990	H2'1	T B	13	-25.160	31.288	54.853	1.00	0.00	H
ATOM	991	H2'2	T B	13	-23.818	32.034	53.999	1.00	0.00	H
ATOM	992	H5'1	T B	13	-24.708	28.017	56.777	1.00	0.00	H
ATOM	993	H5'2	T B	13	-24.248	29.200	58.019	1.00	0.00	H
ATOM	994	C1'	G B	14	-21.613	31.663	49.802	1.00	0.00	C
ATOM	995	N1	G B	14	-25.822	30.040	47.418	1.00	0.00	N
ATOM	996	C2	G B	14	-24.495	29.949	47.037	1.00	0.00	C
ATOM	997	N2	G B	14	-24.257	29.348	45.866	1.00	0.00	N
ATOM	998	N3	G B	14	-23.486	30.420	47.768	1.00	0.00	N
ATOM	999	C4	G B	14	-23.911	31.003	48.921	1.00	0.00	C
ATOM	1000	C5	G B	14	-25.209	31.144	49.379	1.00	0.00	C
ATOM	1001	C6	G B	14	-26.281	30.641	48.606	1.00	0.00	C
ATOM	1002	O6	G B	14	-27.490	30.670	48.843	1.00	0.00	O
ATOM	1003	N7	G B	14	-25.218	31.805	50.610	1.00	0.00	N
ATOM	1004	C8	G B	14	-23.953	32.036	50.853	1.00	0.00	C
ATOM	1005	N9	G B	14	-23.098	31.580	49.871	1.00	0.00	N
ATOM	1006	C2'	G B	14	-21.045	32.967	50.346	1.00	0.00	C
ATOM	1007	C3'	G B	14	-19.750	32.504	50.994	1.00	0.00	C
ATOM	1008	O3'	G B	14	-18.729	32.437	50.003	1.00	0.00	O
ATOM	1009	C4'	G B	14	-20.119	31.124	51.539	1.00	0.00	C
ATOM	1010	O4'	G B	14	-21.085	30.602	50.574	1.00	0.00	O
ATOM	1011	C5'	G B	14	-20.741	31.090	52.915	1.00	0.00	C
ATOM	1012	O5'	G B	14	-21.609	32.238	53.089	1.00	0.00	O
ATOM	1013	O1P	G B	14	-20.459	33.569	54.890	1.00	0.00	O
ATOM	1014	O2P	G B	14	-22.944	33.742	54.595	1.00	0.00	O
ATOM	1015	P	G B	14	-21.725	32.900	54.536	1.00	0.00	P
ATOM	1016	H1	G B	14	-26.528	29.638	46.783	1.00	0.00	H
ATOM	1017	H8	G B	14	-23.607	32.546	51.753	1.00	0.00	H
ATOM	1018	H1'	G B	14	-21.310	31.507	48.766	1.00	0.00	H
ATOM	1019	H21	G B	14	-25.044	28.983	45.307	1.00	0.00	H
ATOM	1020	H3'	G B	14	-19.434	33.171	51.796	1.00	0.00	H
ATOM	1021	H22	G B	14	-23.291	29.251	45.523	1.00	0.00	H
ATOM	1022	H4'	G B	14	-19.197	30.543	51.577	1.00	0.00	H
ATOM	1023	H2'1	G B	14	-21.708	33.434	51.074	1.00	0.00	H
ATOM	1024	H2'2	G B	14	-20.857	33.696	49.559	1.00	0.00	H
ATOM	1025	H5'1	G B	14	-21.318	30.173	53.023	1.00	0.00	H
ATOM	1026	H5'2	G B	14	-19.951	31.108	53.665	1.00	0.00	H
ATOM	1027	C1'	C B	15	-21.297	32.687	44.966	1.00	0.00	C
ATOM	1028	N1	C B	15	-22.494	33.095	45.750	1.00	0.00	N
ATOM	1029	C2	C B	15	-23.749	32.743	45.257	1.00	0.00	C
ATOM	1030	O2	C B	15	-23.816	32.109	44.195	1.00	0.00	O
ATOM	1031	N3	C B	15	-24.852	33.105	45.955	1.00	0.00	N
ATOM	1032	C4	C B	15	-24.747	33.791	47.100	1.00	0.00	C

ATOM	1033	N4	C B	15	-25.858	34.116	47.744	1.00	0.00	N
ATOM	1034	C5	C B	15	-23.469	34.172	47.630	1.00	0.00	C
ATOM	1035	C6	C B	15	-22.373	33.792	46.912	1.00	0.00	C
ATOM	1036	C2'	C B	15	-20.185	33.727	44.958	1.00	0.00	C
ATOM	1037	C3'	C B	15	-18.937	32.857	44.972	1.00	0.00	C
ATOM	1038	O3'	C B	15	-18.622	32.467	43.637	1.00	0.00	O
ATOM	1039	C4'	C B	15	-19.359	31.671	45.836	1.00	0.00	C
ATOM	1040	O4'	C B	15	-20.784	31.504	45.550	1.00	0.00	O
ATOM	1041	C5'	C B	15	-19.183	31.832	47.329	1.00	0.00	C
ATOM	1042	O5'	C B	15	-19.470	33.200	47.711	1.00	0.00	O
ATOM	1043	O1P	C B	15	-17.243	34.063	48.506	1.00	0.00	O
ATOM	1044	O2P	C B	15	-19.365	35.048	49.413	1.00	0.00	O
ATOM	1045	P	C B	15	-18.647	33.851	48.912	1.00	0.00	P
ATOM	1046	H5	C B	15	-23.381	34.736	48.559	1.00	0.00	H
ATOM	1047	H6	C B	15	-21.379	34.052	47.278	1.00	0.00	H
ATOM	1048	H1'	C B	15	-21.618	32.449	43.952	1.00	0.00	H
ATOM	1049	H3'	C B	15	-18.083	33.377	45.407	1.00	0.00	H
ATOM	1050	H4'	C B	15	-18.757	30.819	45.521	1.00	0.00	H
ATOM	1051	H41	C B	15	-25.806	34.642	48.630	1.00	0.00	H
ATOM	1052	H42	C B	15	-26.776	33.844	47.360	1.00	0.00	H
ATOM	1053	H2'1	C B	15	-20.223	34.380	45.829	1.00	0.00	H
ATOM	1054	H2'2	C B	15	-20.218	34.360	44.071	1.00	0.00	H
ATOM	1055	H5'1	C B	15	-19.864	31.154	47.845	1.00	0.00	H
ATOM	1056	H5'2	C B	15	-18.157	31.583	47.597	1.00	0.00	H
ATOM	1057	C1'	G B	16	-23.188	33.611	40.484	1.00	0.00	C
ATOM	1058	N1	G B	16	-27.243	35.191	43.145	1.00	0.00	N
ATOM	1059	C2	G B	16	-27.180	34.428	41.992	1.00	0.00	C
ATOM	1060	N2	G B	16	-28.353	34.036	41.480	1.00	0.00	N
ATOM	1061	N3	G B	16	-26.037	34.084	41.400	1.00	0.00	N
ATOM	1062	C4	G B	16	-24.950	34.573	42.051	1.00	0.00	C
ATOM	1063	C5	G B	16	-24.917	35.344	43.201	1.00	0.00	C
ATOM	1064	C6	G B	16	-26.130	35.707	43.833	1.00	0.00	C
ATOM	1065	O6	G B	16	-26.303	36.378	44.850	1.00	0.00	O
ATOM	1066	N7	G B	16	-23.597	35.641	43.545	1.00	0.00	N
ATOM	1067	C8	G B	16	-22.887	35.052	42.617	1.00	0.00	C
ATOM	1068	N9	G B	16	-23.639	34.384	41.672	1.00	0.00	N
ATOM	1069	C2'	G B	16	-21.984	34.219	39.777	1.00	0.00	C
ATOM	1070	C3'	G B	16	-21.224	32.983	39.324	1.00	0.00	C
ATOM	1071	O3'	G B	16	-21.762	32.531	38.084	1.00	0.00	O
ATOM	1072	C4'	G B	16	-21.477	31.993	40.459	1.00	0.00	C
ATOM	1073	O4'	G B	16	-22.827	32.316	40.924	1.00	0.00	O
ATOM	1074	C5'	G B	16	-20.531	32.062	41.634	1.00	0.00	C
ATOM	1075	O5'	G B	16	-20.165	33.441	41.888	1.00	0.00	O
ATOM	1076	O1P	G B	16	-17.705	33.497	41.363	1.00	0.00	O
ATOM	1077	O2P	G B	16	-18.672	35.119	43.013	1.00	0.00	O
ATOM	1078	P	G B	16	-18.696	33.759	42.423	1.00	0.00	P
ATOM	1079	H1	G B	16	-28.178	35.396	43.528	1.00	0.00	H
ATOM	1080	H8	G B	16	-21.799	35.088	42.592	1.00	0.00	H
ATOM	1081	H1'	G B	16	-24.032	33.509	39.802	1.00	0.00	H
ATOM	1082	H21	G B	16	-29.232	34.303	41.945	1.00	0.00	H
ATOM	1083	H3'	G B	16	-20.158	33.179	39.204	1.00	0.00	H
ATOM	1084	H22	G B	16	-28.373	33.468	40.621	1.00	0.00	H
ATOM	1085	H4'	G B	16	-21.403	30.993	40.030	1.00	0.00	H
ATOM	1086	H2'1	G B	16	-21.380	34.834	40.444	1.00	0.00	H

ATOM	1087	H2'2	G B	16	-22.273	34.841	38.930	1.00	0.00	H
ATOM	1088	H5'1	G B	16	-21.021	31.643	42.513	1.00	0.00	H
ATOM	1089	H5'2	G B	16	-19.638	31.479	41.408	1.00	0.00	H
ATOM	1090	C1'	G B	17	-26.722	35.163	37.381	1.00	0.00	C
ATOM	1091	N1	G B	17	-28.208	37.963	41.380	1.00	0.00	N
ATOM	1092	C2	G B	17	-28.961	37.236	40.474	1.00	0.00	C
ATOM	1093	N2	G B	17	-30.287	37.260	40.658	1.00	0.00	N
ATOM	1094	N3	G B	17	-28.434	36.541	39.468	1.00	0.00	N
ATOM	1095	C4	G B	17	-27.079	36.636	39.430	1.00	0.00	C
ATOM	1096	C5	G B	17	-26.247	37.337	40.284	1.00	0.00	C
ATOM	1097	C6	G B	17	-26.804	38.071	41.355	1.00	0.00	C
ATOM	1098	O6	G B	17	-26.236	38.750	42.211	1.00	0.00	O
ATOM	1099	N7	G B	17	-24.914	37.176	39.900	1.00	0.00	N
ATOM	1100	C8	G B	17	-24.979	36.398	38.851	1.00	0.00	C
ATOM	1101	N9	G B	17	-26.261	36.028	38.502	1.00	0.00	N
ATOM	1102	C2'	G B	17	-25.925	35.348	36.098	1.00	0.00	C
ATOM	1103	C3'	G B	17	-25.897	33.936	35.534	1.00	0.00	C
ATOM	1104	O3'	G B	17	-27.093	33.703	34.795	1.00	0.00	O
ATOM	1105	C4'	G B	17	-25.817	33.071	36.791	1.00	0.00	C
ATOM	1106	O4'	G B	17	-26.583	33.816	37.790	1.00	0.00	O
ATOM	1107	C5'	G B	17	-24.435	32.809	37.339	1.00	0.00	C
ATOM	1108	O5'	G B	17	-23.607	33.986	37.166	1.00	0.00	O
ATOM	1109	O1P	G B	17	-21.859	33.232	35.519	1.00	0.00	O
ATOM	1110	O2P	G B	17	-21.335	35.062	37.154	1.00	0.00	O
ATOM	1111	P	G B	17	-22.051	33.794	36.870	1.00	0.00	P
ATOM	1112	H1	G B	17	-28.714	38.462	42.127	1.00	0.00	H
ATOM	1113	H8	G B	17	-24.098	36.071	38.299	1.00	0.00	H
ATOM	1114	H1'	G B	17	-27.781	35.356	37.215	1.00	0.00	H
ATOM	1115	H21	G B	17	-30.688	37.798	41.441	1.00	0.00	H
ATOM	1116	H3'	G B	17	-25.035	33.770	34.888	1.00	0.00	H
ATOM	1117	H22	G B	17	-30.904	36.742	40.017	1.00	0.00	H
ATOM	1118	H4'	G B	17	-26.265	32.109	36.543	1.00	0.00	H
ATOM	1119	H2'1	G B	17	-24.918	35.720	36.285	1.00	0.00	H
ATOM	1120	H2'2	G B	17	-26.406	36.041	35.408	1.00	0.00	H
ATOM	1121	H5'1	G B	17	-24.510	32.564	38.398	1.00	0.00	H
ATOM	1122	H5'2	G B	17	-23.993	31.966	36.806	1.00	0.00	H
ATOM	1123	C1'	C B	18	-30.709	37.836	36.162	1.00	0.00	C
ATOM	1124	N1	C B	18	-29.519	38.488	36.776	1.00	0.00	N
ATOM	1125	C2	C B	18	-29.724	39.301	37.889	1.00	0.00	C
ATOM	1126	O2	C B	18	-30.875	39.448	38.318	1.00	0.00	O
ATOM	1127	N3	C B	18	-28.653	39.903	38.462	1.00	0.00	N
ATOM	1128	C4	C B	18	-27.419	39.723	37.973	1.00	0.00	C
ATOM	1129	N4	C B	18	-26.409	40.335	38.575	1.00	0.00	N
ATOM	1130	C5	C B	18	-27.182	38.895	36.830	1.00	0.00	C
ATOM	1131	C6	C B	18	-28.272	38.298	36.270	1.00	0.00	C
ATOM	1132	C2'	C B	18	-30.655	37.769	34.641	1.00	0.00	C
ATOM	1133	C3'	C B	18	-31.324	36.432	34.360	1.00	0.00	C
ATOM	1134	O3'	C B	18	-32.738	36.613	34.333	1.00	0.00	O
ATOM	1135	C4'	C B	18	-30.874	35.572	35.539	1.00	0.00	C
ATOM	1136	O4'	C B	18	-30.777	36.512	36.656	1.00	0.00	O
ATOM	1137	C5'	C B	18	-29.548	34.864	35.387	1.00	0.00	C
ATOM	1138	O5'	C B	18	-28.623	35.710	34.658	1.00	0.00	O
ATOM	1139	O1P	C B	18	-28.247	34.448	32.513	1.00	0.00	O
ATOM	1140	O2P	C B	18	-26.469	35.986	33.392	1.00	0.00	O

ATOM	1141	P	C B	18	-27.561	35.025	33.686	1.00	0.00	P
ATOM	1142	H5	C B	18	-26.180	38.750	36.426	1.00	0.00	H
ATOM	1143	H6	C B	18	-28.140	37.655	35.400	1.00	0.00	H
ATOM	1144	H1'	C B	18	-31.599	38.367	36.498	1.00	0.00	H
ATOM	1145	H3'	C B	18	-30.996	36.003	33.413	1.00	0.00	H
ATOM	1146	H4'	C B	18	-31.641	34.811	35.687	1.00	0.00	H
ATOM	1147	H41	C B	18	-25.449	40.213	38.220	1.00	0.00	H
ATOM	1148	H42	C B	18	-26.583	40.930	39.397	1.00	0.00	H
ATOM	1149	H2'1	C B	18	-29.634	37.789	34.262	1.00	0.00	H
ATOM	1150	H2'2	C B	18	-31.195	38.591	34.172	1.00	0.00	H
ATOM	1151	H5'1	C B	18	-29.144	34.644	36.376	1.00	0.00	H
ATOM	1152	H5'2	C B	18	-29.700	33.932	34.846	1.00	0.00	H
ATOM	1153	C1'	C B	19	-33.784	41.693	36.607	1.00	0.00	C
ATOM	1154	N1	C B	19	-32.318	41.906	36.463	1.00	0.00	N
ATOM	1155	C2	C B	19	-31.683	42.727	37.393	1.00	0.00	C
ATOM	1156	O2	C B	19	-32.357	43.241	38.295	1.00	0.00	O
ATOM	1157	N3	C B	19	-30.349	42.934	37.279	1.00	0.00	N
ATOM	1158	C4	C B	19	-29.646	42.363	36.291	1.00	0.00	C
ATOM	1159	N4	C B	19	-28.346	42.598	36.227	1.00	0.00	N
ATOM	1160	C5	C B	19	-30.274	41.517	35.322	1.00	0.00	C
ATOM	1161	C6	C B	19	-31.616	41.322	35.457	1.00	0.00	C
ATOM	1162	C2'	C B	19	-34.527	41.631	35.281	1.00	0.00	C
ATOM	1163	C3'	C B	19	-35.603	40.594	35.570	1.00	0.00	C
ATOM	1164	O3'	C B	19	-36.712	41.232	36.198	1.00	0.00	O
ATOM	1165	C4'	C B	19	-34.892	39.619	36.505	1.00	0.00	C
ATOM	1166	O4'	C B	19	-33.975	40.460	37.275	1.00	0.00	O
ATOM	1167	C5'	C B	19	-34.097	38.515	35.848	1.00	0.00	C
ATOM	1168	O5'	C B	19	-33.469	39.015	34.641	1.00	0.00	O
ATOM	1169	O1P	C B	19	-34.618	37.728	32.809	1.00	0.00	O
ATOM	1170	O2P	C B	19	-32.282	38.580	32.470	1.00	0.00	O
ATOM	1171	P	C B	19	-33.299	38.030	33.400	1.00	0.00	P
ATOM	1172	H5	C B	19	-29.708	41.052	34.515	1.00	0.00	H
ATOM	1173	H6	C B	19	-32.137	40.684	34.743	1.00	0.00	H
ATOM	1174	H1'	C B	19	-34.182	42.485	37.243	1.00	0.00	H
ATOM	1175	H3'	C B	19	-35.940	40.093	34.662	1.00	0.00	H
ATOM	1176	H4'	C B	19	-35.662	39.153	37.122	1.00	0.00	H
ATOM	1177	H41	C B	19	-27.780	42.171	35.479	1.00	0.00	H
ATOM	1178	H42	C B	19	-27.896	43.208	36.927	1.00	0.00	H
ATOM	1179	H2'1	C B	19	-33.885	41.317	34.460	1.00	0.00	H
ATOM	1180	H2'2	C B	19	-34.965	42.591	35.007	1.00	0.00	H
ATOM	1181	H5'1	C B	19	-33.336	38.160	36.541	1.00	0.00	H
ATOM	1182	H5'2	C B	19	-34.767	37.692	35.600	1.00	0.00	H
ATOM	1183	C1'	T B	20	-34.952	46.336	37.861	1.00	0.00	C
ATOM	1184	N1	T B	20	-33.762	46.068	37.012	1.00	0.00	N
ATOM	1185	C2	T B	20	-32.566	46.633	37.406	1.00	0.00	C
ATOM	1186	O2	T B	20	-32.461	47.327	38.403	1.00	0.00	O
ATOM	1187	N3	T B	20	-31.487	46.358	36.589	1.00	0.00	N
ATOM	1188	C4	T B	20	-31.497	45.591	35.445	1.00	0.00	C
ATOM	1189	O4	T B	20	-30.461	45.416	34.791	1.00	0.00	O
ATOM	1190	C5	T B	20	-32.789	45.042	35.113	1.00	0.00	C
ATOM	1191	C6	T B	20	-33.865	45.289	35.886	1.00	0.00	C
ATOM	1192	C7	T B	20	-32.847	44.198	33.875	1.00	0.00	C
ATOM	1193	C2'	T B	20	-36.240	46.529	37.069	1.00	0.00	C
ATOM	1194	C3'	T B	20	-37.274	45.891	37.986	1.00	0.00	C

ATOM	1195	O3'	T B	20	-37.693	46.848	38.957	1.00	0.00	O
ATOM	1196	C4'	T B	20	-36.504	44.731	38.612	1.00	0.00	C
ATOM	1197	O4'	T B	20	-35.131	45.226	38.719	1.00	0.00	O
ATOM	1198	C5'	T B	20	-36.491	43.435	37.834	1.00	0.00	C
ATOM	1199	O5'	T B	20	-36.431	43.718	36.413	1.00	0.00	O
ATOM	1200	O1P	T B	20	-38.647	42.886	35.560	1.00	0.00	O
ATOM	1201	O2P	T B	20	-36.656	42.943	34.034	1.00	0.00	O
ATOM	1202	P	T B	20	-37.186	42.742	35.404	1.00	0.00	P
ATOM	1203	H3	T B	20	-30.583	46.768	36.862	1.00	0.00	H
ATOM	1204	H6	T B	20	-34.831	44.863	35.616	1.00	0.00	H
ATOM	1205	H1'	T B	20	-34.742	47.208	38.481	1.00	0.00	H
ATOM	1206	H3'	T B	20	-38.142	45.535	37.433	1.00	0.00	H
ATOM	1207	H4'	T B	20	-36.963	44.533	39.581	1.00	0.00	H
ATOM	1208	H3T	T B	20	-37.997	47.685	38.599	1.00	0.00	H
ATOM	1209	H71	T B	20	-33.468	44.691	33.127	1.00	0.00	H
ATOM	1210	H72	T B	20	-31.839	44.063	33.480	1.00	0.00	H
ATOM	1211	H73	T B	20	-33.275	43.224	34.116	1.00	0.00	H
ATOM	1212	H2'1	T B	20	-36.208	46.032	36.102	1.00	0.00	H
ATOM	1213	H2'2	T B	20	-36.463	47.581	36.891	1.00	0.00	H
ATOM	1214	H5'1	T B	20	-35.623	42.848	38.131	1.00	0.00	H
ATOM	1215	H5'2	T B	20	-37.397	42.875	38.060	1.00	0.00	H
TER										
ATOM	1	C1'	A A	1	-60.526	28.142	45.147	1.00	0.00	C
ATOM	2	N1	A A	1	-60.698	25.087	41.027	1.00	0.00	N
ATOM	3	C2	A A	1	-61.401	25.114	42.156	1.00	0.00	C
ATOM	4	N3	A A	1	-61.307	25.935	43.180	1.00	0.00	N
ATOM	5	C4	A A	1	-60.331	26.835	42.968	1.00	0.00	C
ATOM	6	C5	A A	1	-59.522	26.941	41.871	1.00	0.00	C
ATOM	7	C6	A A	1	-59.731	25.998	40.843	1.00	0.00	C
ATOM	8	N6	A A	1	-59.013	25.979	39.707	1.00	0.00	N
ATOM	9	N7	A A	1	-58.632	27.992	42.007	1.00	0.00	N
ATOM	10	C8	A A	1	-58.917	28.493	43.172	1.00	0.00	C
ATOM	11	N9	A A	1	-59.939	27.844	43.814	1.00	0.00	N
ATOM	12	C2'	A A	1	-59.502	28.585	46.183	1.00	0.00	C
ATOM	13	C3'	A A	1	-60.287	29.609	46.986	1.00	0.00	C
ATOM	14	O3'	A A	1	-61.052	28.937	47.984	1.00	0.00	O
ATOM	15	C4'	A A	1	-61.171	30.268	45.928	1.00	0.00	C
ATOM	16	O4'	A A	1	-61.462	29.190	44.981	1.00	0.00	O
ATOM	17	C5'	A A	1	-60.563	31.425	45.172	1.00	0.00	C
ATOM	18	O5'	A A	1	-59.152	31.177	44.946	1.00	0.00	O
ATOM	19	H2	A A	1	-62.168	24.345	42.245	1.00	0.00	H
ATOM	20	H8	A A	1	-58.393	29.349	43.598	1.00	0.00	H
ATOM	21	H1'	A A	1	-61.068	27.259	45.486	1.00	0.00	H
ATOM	22	H3'	A A	1	-59.635	30.342	47.464	1.00	0.00	H
ATOM	23	H4'	A A	1	-62.059	30.635	46.442	1.00	0.00	H
ATOM	24	H61	A A	1	-59.207	25.271	38.988	1.00	0.00	H
ATOM	25	H62	A A	1	-58.269	26.677	39.559	1.00	0.00	H
ATOM	26	H5T	A A	1	-58.547	31.921	44.948	1.00	0.00	H
ATOM	27	H2'1	A A	1	-58.619	29.031	45.728	1.00	0.00	H
ATOM	28	H2'2	A A	1	-59.167	27.760	46.813	1.00	0.00	H
ATOM	29	H5'1	A A	1	-61.075	31.536	44.216	1.00	0.00	H
ATOM	30	H5'2	A A	1	-60.688	32.337	45.752	1.00	0.00	H
ATOM	31	C1'	G A	2	-61.062	23.407	46.542	1.00	0.00	C
ATOM	32	N1	G A	2	-58.838	22.408	42.062	1.00	0.00	N

ATOM	33	C2	G A	2	-59.915	21.795	42.673	1.00	0.00	C
ATOM	34	N2	G A	2	-60.473	20.780	42.004	1.00	0.00	N
ATOM	35	N3	G A	2	-60.398	22.165	43.858	1.00	0.00	N
ATOM	36	C4	G A	2	-59.707	23.205	44.395	1.00	0.00	C
ATOM	37	C5	G A	2	-58.620	23.877	43.859	1.00	0.00	C
ATOM	38	C6	G A	2	-58.111	23.486	42.599	1.00	0.00	C
ATOM	39	O6	G A	2	-57.166	23.955	41.965	1.00	0.00	O
ATOM	40	N7	G A	2	-58.201	24.887	44.728	1.00	0.00	N
ATOM	41	C8	G A	2	-59.030	24.800	45.737	1.00	0.00	C
ATOM	42	N9	G A	2	-59.973	23.801	45.608	1.00	0.00	N
ATOM	43	C2'	G A	2	-60.672	23.493	48.011	1.00	0.00	C
ATOM	44	C3'	G A	2	-61.968	23.950	48.659	1.00	0.00	C
ATOM	45	O3'	G A	2	-62.792	22.814	48.912	1.00	0.00	O
ATOM	46	C4'	G A	2	-62.569	24.874	47.600	1.00	0.00	C
ATOM	47	O4'	G A	2	-62.152	24.284	46.329	1.00	0.00	O
ATOM	48	C5'	G A	2	-62.121	26.316	47.636	1.00	0.00	C
ATOM	49	O5'	G A	2	-60.722	26.385	48.008	1.00	0.00	O
ATOM	50	O1P	G A	2	-60.772	27.535	50.246	1.00	0.00	O
ATOM	51	O2P	G A	2	-58.745	27.729	48.781	1.00	0.00	O
ATOM	52	P	G A	2	-60.221	27.623	48.880	1.00	0.00	P
ATOM	53	H1	G A	2	-58.545	22.047	41.143	1.00	0.00	H
ATOM	54	H8	G A	2	-58.979	25.457	46.604	1.00	0.00	H
ATOM	55	H1'	G A	2	-61.387	22.399	46.283	1.00	0.00	H
ATOM	56	H21	G A	2	-60.096	20.499	41.087	1.00	0.00	H
ATOM	57	H3'	G A	2	-61.793	24.484	49.593	1.00	0.00	H
ATOM	58	H22	G A	2	-61.279	20.280	42.406	1.00	0.00	H
ATOM	59	H4'	G A	2	-63.650	24.857	47.743	1.00	0.00	H
ATOM	60	H2'1	G A	2	-59.868	24.209	48.184	1.00	0.00	H
ATOM	61	H2'2	G A	2	-60.346	22.531	48.410	1.00	0.00	H
ATOM	62	H5'1	G A	2	-62.263	26.759	46.651	1.00	0.00	H
ATOM	63	H5'2	G A	2	-62.725	26.860	48.363	1.00	0.00	H
ATOM	64	C1'	G A	3	-60.610	18.511	45.952	1.00	0.00	C
ATOM	65	N1	G A	3	-56.760	19.808	42.869	1.00	0.00	N
ATOM	66	C2	G A	3	-57.745	18.854	42.703	1.00	0.00	C
ATOM	67	N2	G A	3	-57.698	18.148	41.566	1.00	0.00	N
ATOM	68	N3	G A	3	-58.701	18.620	43.599	1.00	0.00	N
ATOM	69	C4	G A	3	-58.592	19.420	44.692	1.00	0.00	C
ATOM	70	C5	G A	3	-57.642	20.397	44.944	1.00	0.00	C
ATOM	71	C6	G A	3	-56.629	20.648	43.990	1.00	0.00	C
ATOM	72	O6	G A	3	-55.708	21.464	44.032	1.00	0.00	O
ATOM	73	N7	G A	3	-57.880	20.993	46.184	1.00	0.00	N
ATOM	74	C8	G A	3	-58.943	20.377	46.632	1.00	0.00	C
ATOM	75	N9	G A	3	-59.434	19.407	45.782	1.00	0.00	N
ATOM	76	C2'	G A	3	-60.808	18.022	47.380	1.00	0.00	C
ATOM	77	C3'	G A	3	-62.322	17.981	47.496	1.00	0.00	C
ATOM	78	O3'	G A	3	-62.799	16.744	46.973	1.00	0.00	O
ATOM	79	C4'	G A	3	-62.760	19.173	46.646	1.00	0.00	C
ATOM	80	O4'	G A	3	-61.764	19.238	45.577	1.00	0.00	O
ATOM	81	C5'	G A	3	-62.809	20.512	47.343	1.00	0.00	C
ATOM	82	O5'	G A	3	-61.722	20.609	48.296	1.00	0.00	O
ATOM	83	O1P	G A	3	-62.901	20.690	50.519	1.00	0.00	O
ATOM	84	O2P	G A	3	-60.647	21.758	50.255	1.00	0.00	O
ATOM	85	P	G A	3	-61.958	21.419	49.650	1.00	0.00	P
ATOM	86	H1	G A	3	-56.067	19.913	42.111	1.00	0.00	H

ATOM	87	H8	G A	3	-59.402	20.608	47.593	1.00	0.00	H
ATOM	88	H1'	G A	3	-60.502	17.673	45.263	1.00	0.00	H
ATOM	89	H21	G A	3	-56.956	18.336	40.875	1.00	0.00	H
ATOM	90	H3'	G A	3	-62.657	18.090	48.528	1.00	0.00	H
ATOM	91	H22	G A	3	-58.402	17.420	41.383	1.00	0.00	H
ATOM	92	H4'	G A	3	-63.762	18.951	46.281	1.00	0.00	H
ATOM	93	H2'1	G A	3	-60.372	18.700	48.114	1.00	0.00	H
ATOM	94	H2'2	G A	3	-60.370	17.037	47.545	1.00	0.00	H
ATOM	95	H5'1	G A	3	-62.721	21.305	46.601	1.00	0.00	H
ATOM	96	H5'2	G A	3	-63.763	20.611	47.860	1.00	0.00	H
ATOM	97	C1'	C A	4	-58.528	14.432	44.065	1.00	0.00	C
ATOM	98	N1	C A	4	-57.691	15.469	44.731	1.00	0.00	N
ATOM	99	C2	C A	4	-56.583	15.955	44.040	1.00	0.00	C
ATOM	100	O2	C A	4	-56.340	15.509	42.912	1.00	0.00	O
ATOM	101	N3	C A	4	-55.810	16.899	44.629	1.00	0.00	N
ATOM	102	C4	C A	4	-56.098	17.360	45.853	1.00	0.00	C
ATOM	103	N4	C A	4	-55.310	18.286	46.379	1.00	0.00	N
ATOM	104	C5	C A	4	-57.230	16.877	46.586	1.00	0.00	C
ATOM	105	C6	C A	4	-57.997	15.929	45.974	1.00	0.00	C
ATOM	106	C2'	C A	4	-59.054	13.365	45.015	1.00	0.00	C
ATOM	107	C3'	C A	4	-60.429	13.073	44.434	1.00	0.00	C
ATOM	108	O3'	C A	4	-60.299	12.117	43.383	1.00	0.00	O
ATOM	109	C4'	C A	4	-60.878	14.439	43.920	1.00	0.00	C
ATOM	110	O4'	C A	4	-59.640	15.086	43.482	1.00	0.00	O
ATOM	111	C5'	C A	4	-61.565	15.339	44.919	1.00	0.00	C
ATOM	112	O5'	C A	4	-60.960	15.173	46.227	1.00	0.00	O
ATOM	113	O1P	C A	4	-62.805	14.148	47.597	1.00	0.00	O
ATOM	114	O2P	C A	4	-61.031	15.526	48.714	1.00	0.00	O
ATOM	115	P	C A	4	-61.883	15.298	47.521	1.00	0.00	P
ATOM	116	H5	C A	4	-57.466	17.246	47.584	1.00	0.00	H
ATOM	117	H6	C A	4	-58.871	15.534	46.490	1.00	0.00	H
ATOM	118	H1'	C A	4	-57.942	13.987	43.263	1.00	0.00	H
ATOM	119	H3'	C A	4	-61.117	12.690	45.187	1.00	0.00	H
ATOM	120	H4'	C A	4	-61.575	14.256	43.102	1.00	0.00	H
ATOM	121	H41	C A	4	-55.510	18.660	47.319	1.00	0.00	H
ATOM	122	H42	C A	4	-54.495	18.632	45.851	1.00	0.00	H
ATOM	123	H2'1	C A	4	-59.126	13.723	46.041	1.00	0.00	H
ATOM	124	H2'2	C A	4	-58.427	12.472	45.022	1.00	0.00	H
ATOM	125	H5'1	C A	4	-61.465	16.376	44.597	1.00	0.00	H
ATOM	126	H5'2	C A	4	-62.622	15.079	44.967	1.00	0.00	H
ATOM	127	C1'	C A	5	-54.791	11.856	42.085	1.00	0.00	C
ATOM	128	N1	C A	5	-54.596	12.619	43.349	1.00	0.00	N
ATOM	129	C2	C A	5	-53.517	13.497	43.420	1.00	0.00	C
ATOM	130	O2	C A	5	-52.769	13.608	42.440	1.00	0.00	O
ATOM	131	N3	C A	5	-53.323	14.201	44.563	1.00	0.00	N
ATOM	132	C4	C A	5	-54.148	14.060	45.607	1.00	0.00	C
ATOM	133	N4	C A	5	-53.914	14.775	46.696	1.00	0.00	N
ATOM	134	C5	C A	5	-55.265	13.163	45.561	1.00	0.00	C
ATOM	135	C6	C A	5	-55.442	12.467	44.401	1.00	0.00	C
ATOM	136	C2'	C A	5	-55.271	10.427	42.299	1.00	0.00	C
ATOM	137	C3'	C A	5	-56.196	10.223	41.109	1.00	0.00	C
ATOM	138	O3'	C A	5	-55.423	9.827	39.978	1.00	0.00	O
ATOM	139	C4'	C A	5	-56.823	11.603	40.925	1.00	0.00	C
ATOM	140	O4'	C A	5	-55.767	12.536	41.318	1.00	0.00	O

ATOM	141	C5'	C A	5	-58.056	11.894	41.749	1.00	0.00	C
ATOM	142	O5'	C A	5	-57.930	11.277	43.055	1.00	0.00	O
ATOM	143	O1P	C A	5	-59.740	9.528	43.049	1.00	0.00	O
ATOM	144	O2P	C A	5	-58.976	10.535	45.216	1.00	0.00	O
ATOM	145	P	C A	5	-59.242	10.717	43.768	1.00	0.00	P
ATOM	146	H5	C A	5	-55.937	13.040	46.411	1.00	0.00	H
ATOM	147	H6	C A	5	-56.280	11.775	44.317	1.00	0.00	H
ATOM	148	H1'	C A	5	-53.854	11.875	41.528	1.00	0.00	H
ATOM	149	H3'	C A	5	-56.956	9.467	41.308	1.00	0.00	H
ATOM	150	H4'	C A	5	-57.099	11.688	39.874	1.00	0.00	H
ATOM	151	H41	C A	5	-54.534	14.687	47.514	1.00	0.00	H
ATOM	152	H42	C A	5	-53.109	15.419	46.727	1.00	0.00	H
ATOM	153	H2'1	C A	5	-55.804	10.306	43.240	1.00	0.00	H
ATOM	154	H2'2	C A	5	-54.449	9.710	42.291	1.00	0.00	H
ATOM	155	H5'1	C A	5	-58.165	12.974	41.860	1.00	0.00	H
ATOM	156	H5'2	C A	5	-58.931	11.497	41.236	1.00	0.00	H
ATOM	157	C1'	G A	6	-50.005	10.894	41.248	1.00	0.00	C
ATOM	158	N1	G A	6	-49.321	13.348	45.668	1.00	0.00	N
ATOM	159	C2	G A	6	-48.605	13.430	44.486	1.00	0.00	C
ATOM	160	N2	G A	6	-47.569	14.276	44.482	1.00	0.00	N
ATOM	161	N3	G A	6	-48.902	12.724	43.396	1.00	0.00	N
ATOM	162	C4	G A	6	-49.976	11.913	43.582	1.00	0.00	C
ATOM	163	C5	G A	6	-50.746	11.763	44.723	1.00	0.00	C
ATOM	164	C6	G A	6	-50.436	12.514	45.879	1.00	0.00	C
ATOM	165	O6	G A	6	-50.995	12.519	46.975	1.00	0.00	O
ATOM	166	N7	G A	6	-51.759	10.827	44.502	1.00	0.00	N
ATOM	167	C8	G A	6	-51.577	10.452	43.262	1.00	0.00	C
ATOM	168	N9	G A	6	-50.512	11.066	42.636	1.00	0.00	N
ATOM	169	C2'	G A	6	-50.077	9.459	40.743	1.00	0.00	C
ATOM	170	C3'	G A	6	-50.410	9.655	39.273	1.00	0.00	C
ATOM	171	O3'	G A	6	-49.206	9.884	38.545	1.00	0.00	O
ATOM	172	C4'	G A	6	-51.316	10.886	39.292	1.00	0.00	C
ATOM	173	O4'	G A	6	-50.800	11.696	40.395	1.00	0.00	O
ATOM	174	C5'	G A	6	-52.786	10.633	39.524	1.00	0.00	C
ATOM	175	O5'	G A	6	-52.956	9.544	40.465	1.00	0.00	O
ATOM	176	O1P	G A	6	-54.029	7.738	39.080	1.00	0.00	O
ATOM	177	O2P	G A	6	-54.427	7.823	41.556	1.00	0.00	O
ATOM	178	P	G A	6	-54.202	8.564	40.290	1.00	0.00	P
ATOM	179	H1	G A	6	-49.014	13.943	46.452	1.00	0.00	H
ATOM	180	H8	G A	6	-52.210	9.716	42.765	1.00	0.00	H
ATOM	181	H1'	G A	6	-48.983	11.271	41.208	1.00	0.00	H
ATOM	182	H21	G A	6	-47.348	14.822	45.327	1.00	0.00	H
ATOM	183	H3'	G A	6	-50.928	8.793	38.852	1.00	0.00	H
ATOM	184	H22	G A	6	-46.994	14.382	43.634	1.00	0.00	H
ATOM	185	H4'	G A	6	-51.210	11.371	38.322	1.00	0.00	H
ATOM	186	H2'1	G A	6	-50.848	8.880	41.251	1.00	0.00	H
ATOM	187	H2'2	G A	6	-49.133	8.928	40.869	1.00	0.00	H
ATOM	188	H5'1	G A	6	-53.248	11.537	39.920	1.00	0.00	H
ATOM	189	H5'2	G A	6	-53.260	10.378	38.576	1.00	0.00	H
ATOM	190	C1'	C A	7	-45.180	11.038	42.352	1.00	0.00	C
ATOM	191	N1	C A	7	-46.168	10.542	43.349	1.00	0.00	N
ATOM	192	C2	C A	7	-46.140	11.097	44.626	1.00	0.00	C
ATOM	193	O2	C A	7	-45.302	11.971	44.880	1.00	0.00	O
ATOM	194	N3	C A	7	-47.033	10.660	45.549	1.00	0.00	N

ATOM	195	C4	C A	7	-47.928	9.711	45.245	1.00	0.00	C
ATOM	196	N4	C A	7	-48.778	9.324	46.183	1.00	0.00	N
ATOM	197	C5	C A	7	-47.977	9.119	43.940	1.00	0.00	C
ATOM	198	C6	C A	7	-47.072	9.579	43.025	1.00	0.00	C
ATOM	199	C2'	C A	7	-44.634	9.951	41.436	1.00	0.00	C
ATOM	200	C3'	C A	7	-44.474	10.697	40.120	1.00	0.00	C
ATOM	201	O3'	C A	7	-43.218	11.374	40.115	1.00	0.00	O
ATOM	202	C4'	C A	7	-45.653	11.667	40.134	1.00	0.00	C
ATOM	203	O4'	C A	7	-45.828	12.004	41.547	1.00	0.00	O
ATOM	204	C5'	C A	7	-46.964	11.137	39.598	1.00	0.00	C
ATOM	205	O5'	C A	7	-47.114	9.741	39.962	1.00	0.00	O
ATOM	206	O1P	C A	7	-47.036	8.549	37.746	1.00	0.00	O
ATOM	207	O2P	C A	7	-48.282	7.537	39.675	1.00	0.00	O
ATOM	208	P	C A	7	-47.863	8.761	38.952	1.00	0.00	P
ATOM	209	H5	C A	7	-48.700	8.342	43.689	1.00	0.00	H
ATOM	210	H6	C A	7	-47.075	9.165	42.016	1.00	0.00	H
ATOM	211	H1'	C A	7	-44.374	11.537	42.891	1.00	0.00	H
ATOM	212	H3'	C A	7	-44.525	10.025	39.263	1.00	0.00	H
ATOM	213	H4'	C A	7	-45.366	12.522	39.523	1.00	0.00	H
ATOM	214	H41	C A	7	-49.479	8.597	45.976	1.00	0.00	H
ATOM	215	H42	C A	7	-48.741	9.747	47.122	1.00	0.00	H
ATOM	216	H2'1	C A	7	-45.320	9.112	41.335	1.00	0.00	H
ATOM	217	H2'2	C A	7	-43.680	9.555	41.787	1.00	0.00	H
ATOM	218	H5'1	C A	7	-47.784	11.719	40.020	1.00	0.00	H
ATOM	219	H5'2	C A	7	-46.973	11.237	38.513	1.00	0.00	H
ATOM	220	C1'	A A	8	-41.323	11.365	45.439	1.00	0.00	C
ATOM	221	N1	A A	8	-44.650	9.504	48.876	1.00	0.00	N
ATOM	222	C2	A A	8	-43.735	10.467	48.941	1.00	0.00	C
ATOM	223	N3	A A	8	-42.909	10.901	48.013	1.00	0.00	N
ATOM	224	C4	A A	8	-43.086	10.207	46.873	1.00	0.00	C
ATOM	225	C5	A A	8	-43.976	9.195	46.644	1.00	0.00	C
ATOM	226	C6	A A	8	-44.804	8.832	47.725	1.00	0.00	C
ATOM	227	N6	A A	8	-45.726	7.856	47.648	1.00	0.00	N
ATOM	228	N7	A A	8	-43.871	8.722	45.347	1.00	0.00	N
ATOM	229	C8	A A	8	-42.926	9.448	44.825	1.00	0.00	C
ATOM	230	N9	A A	8	-42.404	10.373	45.692	1.00	0.00	N
ATOM	231	C2'	A A	8	-40.203	10.839	44.551	1.00	0.00	C
ATOM	232	C3'	A A	8	-39.824	12.077	43.754	1.00	0.00	C
ATOM	233	O3'	A A	8	-38.902	12.855	44.511	1.00	0.00	O
ATOM	234	C4'	A A	8	-41.164	12.787	43.569	1.00	0.00	C
ATOM	235	O4'	A A	8	-41.906	12.481	44.794	1.00	0.00	O
ATOM	236	C5'	A A	8	-41.992	12.358	42.381	1.00	0.00	C
ATOM	237	O5'	A A	8	-41.847	10.930	42.172	1.00	0.00	O
ATOM	238	O1P	A A	8	-40.665	10.786	39.954	1.00	0.00	O
ATOM	239	O2P	A A	8	-42.147	8.908	40.711	1.00	0.00	O
ATOM	240	P	A A	8	-41.879	10.367	40.680	1.00	0.00	P
ATOM	241	H2	A A	8	-43.658	10.971	49.903	1.00	0.00	H
ATOM	242	H8	A A	8	-42.582	9.333	43.798	1.00	0.00	H
ATOM	243	H1'	A A	8	-40.935	11.699	46.401	1.00	0.00	H
ATOM	244	H3'	A A	8	-39.378	11.823	42.792	1.00	0.00	H
ATOM	245	H4'	A A	8	-40.946	13.848	43.458	1.00	0.00	H
ATOM	246	H61	A A	8	-46.307	7.632	48.467	1.00	0.00	H
ATOM	247	H62	A A	8	-45.848	7.334	46.768	1.00	0.00	H
ATOM	248	H2'1	A A	8	-40.537	10.034	43.898	1.00	0.00	H

ATOM	249	H2'2	A A	8	-39.359	10.465	45.130	1.00	0.00	H
ATOM	250	H5'1	A A	8	-43.039	12.597	42.572	1.00	0.00	H
ATOM	251	H5'2	A A	8	-41.656	12.896	41.496	1.00	0.00	H
ATOM	252	C1'	C A	9	-39.124	10.867	49.863	1.00	0.00	C
ATOM	253	N1	C A	9	-39.861	9.725	49.256	1.00	0.00	N
ATOM	254	C2	C A	9	-40.819	9.078	50.034	1.00	0.00	C
ATOM	255	O2	C A	9	-41.016	9.476	51.189	1.00	0.00	O
ATOM	256	N3	C A	9	-41.501	8.037	49.499	1.00	0.00	N
ATOM	257	C4	C A	9	-41.264	7.629	48.246	1.00	0.00	C
ATOM	258	N4	C A	9	-41.963	6.607	47.772	1.00	0.00	N
ATOM	259	C5	C A	9	-40.281	8.272	47.423	1.00	0.00	C
ATOM	260	C6	C A	9	-39.609	9.323	47.980	1.00	0.00	C
ATOM	261	C2'	C A	9	-37.656	10.931	49.465	1.00	0.00	C
ATOM	262	C3'	C A	9	-37.415	12.431	49.382	1.00	0.00	C
ATOM	263	O3'	C A	9	-37.116	12.930	50.684	1.00	0.00	O
ATOM	264	C4'	C A	9	-38.746	12.960	48.853	1.00	0.00	C
ATOM	265	O4'	C A	9	-39.747	12.061	49.429	1.00	0.00	O
ATOM	266	C5'	C A	9	-38.915	12.971	47.352	1.00	0.00	C
ATOM	267	O5'	C A	9	-38.270	11.806	46.777	1.00	0.00	O
ATOM	268	O1P	C A	9	-36.385	12.789	45.430	1.00	0.00	O
ATOM	269	O2P	C A	9	-37.383	10.584	44.768	1.00	0.00	O
ATOM	270	P	C A	9	-37.587	11.937	45.342	1.00	0.00	P
ATOM	271	H5	C A	9	-40.081	7.940	46.404	1.00	0.00	H
ATOM	272	H6	C A	9	-38.858	9.849	47.392	1.00	0.00	H
ATOM	273	H1'	C A	9	-39.233	10.805	50.946	1.00	0.00	H
ATOM	274	H3'	C A	9	-36.597	12.675	48.705	1.00	0.00	H
ATOM	275	H4'	C A	9	-38.842	13.986	49.206	1.00	0.00	H
ATOM	276	H41	C A	9	-41.802	6.275	46.810	1.00	0.00	H
ATOM	277	H42	C A	9	-42.666	6.145	48.366	1.00	0.00	H
ATOM	278	H2'1	C A	9	-37.464	10.446	48.509	1.00	0.00	H
ATOM	279	H2'2	C A	9	-37.006	10.464	50.206	1.00	0.00	H
ATOM	280	H5'1	C A	9	-39.978	12.960	47.110	1.00	0.00	H
ATOM	281	H5'2	C A	9	-38.466	13.878	46.948	1.00	0.00	H
ATOM	282	C1'	C A	10	-38.566	8.870	54.360	1.00	0.00	C
ATOM	283	N1	C A	10	-38.661	8.002	53.155	1.00	0.00	N
ATOM	284	C2	C A	10	-39.590	6.963	53.171	1.00	0.00	C
ATOM	285	O2	C A	10	-40.293	6.804	54.178	1.00	0.00	O
ATOM	286	N3	C A	10	-39.693	6.161	52.083	1.00	0.00	N
ATOM	287	C4	C A	10	-38.918	6.356	51.008	1.00	0.00	C
ATOM	288	N4	C A	10	-39.063	5.544	49.970	1.00	0.00	N
ATOM	289	C5	C A	10	-37.951	7.414	50.965	1.00	0.00	C
ATOM	290	C6	C A	10	-37.869	8.212	52.070	1.00	0.00	C
ATOM	291	C2'	C A	10	-37.144	9.296	54.698	1.00	0.00	C
ATOM	292	C3'	C A	10	-37.353	10.708	55.224	1.00	0.00	C
ATOM	293	O3'	C A	10	-37.697	10.647	56.606	1.00	0.00	O
ATOM	294	C4'	C A	10	-38.505	11.223	54.364	1.00	0.00	C
ATOM	295	O4'	C A	10	-39.325	10.038	54.110	1.00	0.00	O
ATOM	296	C5'	C A	10	-38.129	11.843	53.039	1.00	0.00	C
ATOM	297	O5'	C A	10	-37.004	11.129	52.465	1.00	0.00	O
ATOM	298	O1P	C A	10	-35.155	12.836	52.495	1.00	0.00	O
ATOM	299	O2P	C A	10	-35.143	11.002	50.782	1.00	0.00	O
ATOM	300	P	C A	10	-35.933	11.945	51.612	1.00	0.00	P
ATOM	301	H5	C A	10	-37.314	7.573	50.094	1.00	0.00	H
ATOM	302	H6	C A	10	-37.154	9.035	52.082	1.00	0.00	H

ATOM	303	H1'	C	A	10	-39.026	8.344	55.197	1.00	0.00	H
ATOM	304	H3'	C	A	10	-36.462	11.325	55.101	1.00	0.00	H
ATOM	305	H4'	C	A	10	-39.023	11.982	54.951	1.00	0.00	H
ATOM	306	H41	C	A	10	-38.481	5.674	49.130	1.00	0.00	H
ATOM	307	H42	C	A	10	-39.756	4.783	50.005	1.00	0.00	H
ATOM	308	H2'1	C	A	10	-36.491	9.290	53.827	1.00	0.00	H
ATOM	309	H2'2	C	A	10	-36.689	8.654	55.454	1.00	0.00	H
ATOM	310	H5'1	C	A	10	-38.983	11.789	52.362	1.00	0.00	H
ATOM	311	H5'2	C	A	10	-37.862	12.887	53.196	1.00	0.00	H
ATOM	312	C1'	T	A	11	-39.049	5.276	57.730	1.00	0.00	C
ATOM	313	N1	T	A	11	-38.462	4.975	56.398	1.00	0.00	N
ATOM	314	C2	T	A	11	-38.997	3.912	55.699	1.00	0.00	C
ATOM	315	O2	T	A	11	-39.912	3.231	56.131	1.00	0.00	O
ATOM	316	N3	T	A	11	-38.423	3.667	54.465	1.00	0.00	N
ATOM	317	C4	T	A	11	-37.386	4.372	53.888	1.00	0.00	C
ATOM	318	O4	T	A	11	-36.951	4.057	52.773	1.00	0.00	O
ATOM	319	C5	T	A	11	-36.893	5.465	54.692	1.00	0.00	C
ATOM	320	C6	T	A	11	-37.430	5.732	55.899	1.00	0.00	C
ATOM	321	C7	T	A	11	-35.767	6.260	54.102	1.00	0.00	C
ATOM	322	C2'	T	A	11	-38.025	5.718	58.768	1.00	0.00	C
ATOM	323	C3'	T	A	11	-38.806	6.746	59.569	1.00	0.00	C
ATOM	324	O3'	T	A	11	-39.574	6.077	60.568	1.00	0.00	O
ATOM	325	C4'	T	A	11	-39.686	7.405	58.510	1.00	0.00	C
ATOM	326	O4'	T	A	11	-39.981	6.328	57.564	1.00	0.00	O
ATOM	327	C5'	T	A	11	-39.074	8.560	57.751	1.00	0.00	C
ATOM	328	O5'	T	A	11	-37.664	8.306	57.527	1.00	0.00	O
ATOM	329	O1P	T	A	11	-36.527	10.086	58.895	1.00	0.00	O
ATOM	330	O2P	T	A	11	-35.384	9.137	56.874	1.00	0.00	O
ATOM	331	P	T	A	11	-36.652	9.538	57.531	1.00	0.00	P
ATOM	332	H3	T	A	11	-38.807	2.882	53.922	1.00	0.00	H
ATOM	333	H6	T	A	11	-37.041	6.563	56.489	1.00	0.00	H
ATOM	334	H1'	T	A	11	-39.594	4.396	58.071	1.00	0.00	H
ATOM	335	H3'	T	A	11	-38.152	7.474	60.046	1.00	0.00	H
ATOM	336	H4'	T	A	11	-40.574	7.777	59.022	1.00	0.00	H
ATOM	337	H71	T	A	11	-34.870	6.124	54.705	1.00	0.00	H
ATOM	338	H72	T	A	11	-35.575	5.918	53.084	1.00	0.00	H
ATOM	339	H73	T	A	11	-36.036	7.316	54.084	1.00	0.00	H
ATOM	340	H2'1	T	A	11	-37.140	6.159	58.312	1.00	0.00	H
ATOM	341	H2'2	T	A	11	-37.691	4.892	59.398	1.00	0.00	H
ATOM	342	H5'1	T	A	11	-39.584	8.672	56.795	1.00	0.00	H
ATOM	343	H5'2	T	A	11	-39.195	9.474	58.332	1.00	0.00	H
ATOM	344	C1'	A	A	12	-39.592	0.551	59.148	1.00	0.00	C
ATOM	345	N1	A	A	12	-37.372	-0.474	54.635	1.00	0.00	N
ATOM	346	C2	A	A	12	-38.400	-1.021	55.276	1.00	0.00	C
ATOM	347	N3	A	A	12	-38.925	-0.704	56.441	1.00	0.00	N
ATOM	348	C4	A	A	12	-38.256	0.326	56.988	1.00	0.00	C
ATOM	349	C5	A	A	12	-37.185	0.994	56.465	1.00	0.00	C
ATOM	350	C6	A	A	12	-36.724	0.553	55.206	1.00	0.00	C
ATOM	351	N6	A	A	12	-35.682	1.114	54.569	1.00	0.00	N
ATOM	352	N7	A	A	12	-36.761	2.001	57.313	1.00	0.00	N
ATOM	353	C8	A	A	12	-37.573	1.920	58.325	1.00	0.00	C
ATOM	354	N9	A	A	12	-38.510	0.926	58.197	1.00	0.00	N
ATOM	355	C2'	A	A	12	-39.182	0.652	60.611	1.00	0.00	C
ATOM	356	C3'	A	A	12	-40.469	1.125	61.269	1.00	0.00	C

ATOM	357	O3'	A	A	12	-41.295	-0.004	61.544	1.00	0.00	O
ATOM	358	C4'	A	A	12	-41.077	2.040	60.207	1.00	0.00	C
ATOM	359	O4'	A	A	12	-40.677	1.433	58.937	1.00	0.00	O
ATOM	360	C5'	A	A	12	-40.621	3.479	60.221	1.00	0.00	C
ATOM	361	O5'	A	A	12	-39.216	3.545	60.576	1.00	0.00	O
ATOM	362	O1P	A	A	12	-39.232	4.720	62.802	1.00	0.00	O
ATOM	363	O2P	A	A	12	-37.221	4.885	61.310	1.00	0.00	O
ATOM	364	P	A	A	12	-38.697	4.789	61.428	1.00	0.00	P
ATOM	365	H2	A	A	12	-38.880	-1.853	54.761	1.00	0.00	H
ATOM	366	H8	A	A	12	-37.517	2.578	59.193	1.00	0.00	H
ATOM	367	H1'	A	A	12	-39.925	-0.457	58.904	1.00	0.00	H
ATOM	368	H3'	A	A	12	-40.280	1.668	62.194	1.00	0.00	H
ATOM	369	H4'	A	A	12	-42.156	2.031	60.363	1.00	0.00	H
ATOM	370	H61	A	A	12	-35.387	0.756	53.650	1.00	0.00	H
ATOM	371	H62	A	A	12	-35.178	1.902	55.002	1.00	0.00	H
ATOM	372	H2'1	A	A	12	-38.373	1.364	60.767	1.00	0.00	H
ATOM	373	H2'2	A	A	12	-38.858	-0.307	61.016	1.00	0.00	H
ATOM	374	H5'1	A	A	12	-40.771	3.911	59.232	1.00	0.00	H
ATOM	375	H5'2	A	A	12	-41.210	4.035	60.948	1.00	0.00	H
ATOM	376	C1'	G	A	13	-39.133	-4.354	58.536	1.00	0.00	C
ATOM	377	N1	G	A	13	-35.283	-3.056	55.452	1.00	0.00	N
ATOM	378	C2	G	A	13	-36.268	-4.012	55.286	1.00	0.00	C
ATOM	379	N2	G	A	13	-36.221	-4.720	54.149	1.00	0.00	N
ATOM	380	N3	G	A	13	-37.224	-4.245	56.184	1.00	0.00	N
ATOM	381	C4	G	A	13	-37.115	-3.445	57.276	1.00	0.00	C
ATOM	382	C5	G	A	13	-36.165	-2.468	57.528	1.00	0.00	C
ATOM	383	C6	G	A	13	-35.151	-2.218	56.574	1.00	0.00	C
ATOM	384	O6	G	A	13	-34.230	-1.402	56.618	1.00	0.00	O
ATOM	385	N7	G	A	13	-36.403	-1.873	58.768	1.00	0.00	N
ATOM	386	C8	G	A	13	-37.466	-2.488	59.216	1.00	0.00	C
ATOM	387	N9	G	A	13	-37.956	-3.458	58.366	1.00	0.00	N
ATOM	388	C2'	G	A	13	-39.331	-4.844	59.964	1.00	0.00	C
ATOM	389	C3'	G	A	13	-40.845	-4.884	60.080	1.00	0.00	C
ATOM	390	O3'	G	A	13	-41.322	-6.122	59.557	1.00	0.00	O
ATOM	391	C4'	G	A	13	-41.283	-3.692	59.230	1.00	0.00	C
ATOM	392	O4'	G	A	13	-40.287	-3.627	58.160	1.00	0.00	O
ATOM	393	C5'	G	A	13	-41.332	-2.353	59.927	1.00	0.00	C
ATOM	394	O5'	G	A	13	-40.245	-2.256	60.880	1.00	0.00	O
ATOM	395	O1P	G	A	13	-41.423	-2.176	63.103	1.00	0.00	O
ATOM	396	O2P	G	A	13	-39.170	-1.107	62.839	1.00	0.00	O
ATOM	397	P	G	A	13	-40.481	-1.446	62.234	1.00	0.00	P
ATOM	398	H1	G	A	13	-34.591	-2.950	54.693	1.00	0.00	H
ATOM	399	H8	G	A	13	-37.925	-2.258	60.177	1.00	0.00	H
ATOM	400	H1'	G	A	13	-39.025	-5.193	57.847	1.00	0.00	H
ATOM	401	H21	G	A	13	-35.479	-4.530	53.458	1.00	0.00	H
ATOM	402	H3'	G	A	13	-41.180	-4.775	61.112	1.00	0.00	H
ATOM	403	H22	G	A	13	-36.924	-5.447	53.968	1.00	0.00	H
ATOM	404	H4'	G	A	13	-42.285	-3.915	58.865	1.00	0.00	H
ATOM	405	H2'1	G	A	13	-38.895	-4.165	60.698	1.00	0.00	H
ATOM	406	H2'2	G	A	13	-38.893	-5.829	60.129	1.00	0.00	H
ATOM	407	H5'1	G	A	13	-41.244	-1.560	59.185	1.00	0.00	H
ATOM	408	H5'2	G	A	13	-42.286	-2.254	60.444	1.00	0.00	H
ATOM	409	C1'	G	A	14	-37.050	-8.433	56.650	1.00	0.00	C
ATOM	410	N1	G	A	14	-32.942	-5.442	56.200	1.00	0.00	N

ATOM	411	C2	G A	14	-33.470	-6.365	55.315	1.00	0.00	C
ATOM	412	N2	G A	14	-32.815	-6.512	54.157	1.00	0.00	N
ATOM	413	N3	G A	14	-34.564	-7.083	55.565	1.00	0.00	N
ATOM	414	C4	G A	14	-35.091	-6.810	56.787	1.00	0.00	C
ATOM	415	C5	G A	14	-34.632	-5.911	57.735	1.00	0.00	C
ATOM	416	C6	G A	14	-33.475	-5.146	57.470	1.00	0.00	C
ATOM	417	O6	G A	14	-32.918	-4.307	58.178	1.00	0.00	O
ATOM	418	N7	G A	14	-35.461	-5.933	58.860	1.00	0.00	N
ATOM	419	C8	G A	14	-36.375	-6.820	58.563	1.00	0.00	C
ATOM	420	N9	G A	14	-36.218	-7.397	57.321	1.00	0.00	N
ATOM	421	C2'	G A	14	-37.582	-9.500	57.597	1.00	0.00	C
ATOM	422	C3'	G A	14	-38.953	-9.793	57.009	1.00	0.00	C
ATOM	423	O3'	G A	14	-38.819	-10.747	55.959	1.00	0.00	O
ATOM	424	C4'	G A	14	-39.399	-8.425	56.493	1.00	0.00	C
ATOM	425	O4'	G A	14	-38.159	-7.780	56.062	1.00	0.00	O
ATOM	426	C5'	G A	14	-40.091	-7.526	57.490	1.00	0.00	C
ATOM	427	O5'	G A	14	-39.493	-7.692	58.799	1.00	0.00	O
ATOM	428	O1P	G A	14	-41.345	-8.718	60.160	1.00	0.00	O
ATOM	429	O2P	G A	14	-39.577	-7.341	61.286	1.00	0.00	O
ATOM	430	P	G A	14	-40.423	-7.569	60.089	1.00	0.00	P
ATOM	431	H1	G A	14	-32.094	-4.933	55.907	1.00	0.00	H
ATOM	432	H8	G A	14	-37.190	-7.080	59.239	1.00	0.00	H
ATOM	433	H1'	G A	14	-36.460	-8.879	55.850	1.00	0.00	H
ATOM	434	H21	G A	14	-31.971	-5.951	53.968	1.00	0.00	H
ATOM	435	H3'	G A	14	-39.645	-10.175	57.759	1.00	0.00	H
ATOM	436	H22	G A	14	-33.155	-7.185	53.456	1.00	0.00	H
ATOM	437	H4'	G A	14	-40.092	-8.608	55.672	1.00	0.00	H
ATOM	438	H2'1	G A	14	-37.658	-9.142	58.623	1.00	0.00	H
ATOM	439	H2'2	G A	14	-36.955	-10.393	57.607	1.00	0.00	H
ATOM	440	H5'1	G A	14	-39.990	-6.490	57.167	1.00	0.00	H
ATOM	441	H5'2	G A	14	-41.150	-7.786	57.532	1.00	0.00	H
ATOM	442	C1'	A A	15	-33.331	-11.025	54.664	1.00	0.00	C
ATOM	443	N1	A A	15	-30.398	-7.571	57.074	1.00	0.00	N
ATOM	444	C2	A A	15	-30.335	-8.114	55.860	1.00	0.00	C
ATOM	445	N3	A A	15	-31.129	-9.000	55.298	1.00	0.00	N
ATOM	446	C4	A A	15	-32.110	-9.352	56.151	1.00	0.00	C
ATOM	447	C5	A A	15	-32.313	-8.893	57.421	1.00	0.00	C
ATOM	448	C6	A A	15	-31.388	-7.941	57.900	1.00	0.00	C
ATOM	449	N6	A A	15	-31.461	-7.402	59.129	1.00	0.00	N
ATOM	450	N7	A A	15	-33.426	-9.482	57.994	1.00	0.00	N
ATOM	451	C8	A A	15	-33.868	-10.281	57.068	1.00	0.00	C
ATOM	452	N9	A A	15	-33.120	-10.254	55.918	1.00	0.00	N
ATOM	453	C2'	A A	15	-33.821	-12.449	54.894	1.00	0.00	C
ATOM	454	C3'	A A	15	-34.756	-12.657	53.713	1.00	0.00	C
ATOM	455	O3'	A A	15	-33.995	-13.069	52.582	1.00	0.00	O
ATOM	456	C4'	A A	15	-35.375	-11.273	53.521	1.00	0.00	C
ATOM	457	O4'	A A	15	-34.306	-10.345	53.898	1.00	0.00	O
ATOM	458	C5'	A A	15	-36.598	-10.963	54.350	1.00	0.00	C
ATOM	459	O5'	A A	15	-36.469	-11.569	55.661	1.00	0.00	O
ATOM	460	O1P	A A	15	-38.293	-13.304	55.684	1.00	0.00	O
ATOM	461	O2P	A A	15	-37.505	-12.282	57.837	1.00	0.00	O
ATOM	462	P	A A	15	-37.780	-12.112	56.389	1.00	0.00	P
ATOM	463	H2	A A	15	-29.506	-7.773	55.241	1.00	0.00	H
ATOM	464	H8	A A	15	-34.747	-10.912	57.191	1.00	0.00	H

ATOM	465	H1'	A	A	15	-32.398	-11.020	54.100	1.00	0.00	H
ATOM	466	H3'	A	A	15	-35.522	-13.403	53.925	1.00	0.00	H
ATOM	467	H4'	A	A	15	-35.655	-11.195	52.471	1.00	0.00	H
ATOM	468	H61	A	A	15	-30.760	-6.708	59.427	1.00	0.00	H
ATOM	469	H62	A	A	15	-32.217	-7.682	59.770	1.00	0.00	H
ATOM	470	H2'1	A	A	15	-34.348	-12.555	55.842	1.00	0.00	H
ATOM	471	H2'2	A	A	15	-33.007	-13.173	54.887	1.00	0.00	H
ATOM	472	H5'1	A	A	15	-36.697	-9.883	54.451	1.00	0.00	H
ATOM	473	H5'2	A	A	15	-37.480	-11.358	53.848	1.00	0.00	H
ATOM	474	C1'	C	A	16	-28.527	-11.971	53.831	1.00	0.00	C
ATOM	475	N1	C	A	16	-29.030	-11.794	55.221	1.00	0.00	N
ATOM	476	C2	C	A	16	-28.365	-10.890	56.045	1.00	0.00	C
ATOM	477	O2	C	A	16	-27.389	-10.276	55.592	1.00	0.00	O
ATOM	478	N3	C	A	16	-28.806	-10.713	57.315	1.00	0.00	N
ATOM	479	C4	C	A	16	-29.864	-11.393	57.775	1.00	0.00	C
ATOM	480	N4	C	A	16	-30.255	-11.178	59.023	1.00	0.00	N
ATOM	481	C5	C	A	16	-30.566	-12.333	56.952	1.00	0.00	C
ATOM	482	C6	C	A	16	-30.107	-12.492	55.675	1.00	0.00	C
ATOM	483	C2'	C	A	16	-28.598	-13.408	53.331	1.00	0.00	C
ATOM	484	C3'	C	A	16	-28.937	-13.216	51.861	1.00	0.00	C
ATOM	485	O3'	C	A	16	-27.735	-12.989	51.129	1.00	0.00	O
ATOM	486	C4'	C	A	16	-29.844	-11.987	51.880	1.00	0.00	C
ATOM	487	O4'	C	A	16	-29.327	-11.172	52.979	1.00	0.00	O
ATOM	488	C5'	C	A	16	-31.315	-12.242	52.117	1.00	0.00	C
ATOM	489	O5'	C	A	16	-31.477	-13.329	53.062	1.00	0.00	O
ATOM	490	O1P	C	A	16	-32.553	-15.143	51.687	1.00	0.00	O
ATOM	491	O2P	C	A	16	-32.942	-15.049	54.163	1.00	0.00	O
ATOM	492	P	C	A	16	-32.723	-14.312	52.895	1.00	0.00	P
ATOM	493	H5	C	A	16	-31.424	-12.894	57.326	1.00	0.00	H
ATOM	494	H6	C	A	16	-30.613	-13.189	55.008	1.00	0.00	H
ATOM	495	H1'	C	A	16	-27.507	-11.591	53.786	1.00	0.00	H
ATOM	496	H3'	C	A	16	-29.455	-14.082	51.447	1.00	0.00	H
ATOM	497	H4'	C	A	16	-29.744	-11.506	50.907	1.00	0.00	H
ATOM	498	H41	C	A	16	-31.068	-11.687	59.403	1.00	0.00	H
ATOM	499	H42	C	A	16	-29.748	-10.505	59.615	1.00	0.00	H
ATOM	500	H2'1	C	A	16	-29.366	-13.987	53.843	1.00	0.00	H
ATOM	501	H2'2	C	A	16	-27.652	-13.936	53.456	1.00	0.00	H
ATOM	502	H5'1	C	A	16	-31.775	-11.336	52.512	1.00	0.00	H
ATOM	503	H5'2	C	A	16	-31.790	-12.502	51.171	1.00	0.00	H
ATOM	504	C1'	G	A	17	-23.703	-11.828	54.937	1.00	0.00	C
ATOM	505	N1	G	A	17	-25.393	-11.397	59.731	1.00	0.00	N
ATOM	506	C2	G	A	17	-24.367	-10.728	59.087	1.00	0.00	C
ATOM	507	N2	G	A	17	-23.702	-9.825	59.819	1.00	0.00	N
ATOM	508	N3	G	A	17	-24.032	-10.941	57.816	1.00	0.00	N
ATOM	509	C4	G	A	17	-24.806	-11.894	57.232	1.00	0.00	C
ATOM	510	C5	G	A	17	-25.846	-12.615	57.794	1.00	0.00	C
ATOM	511	C6	G	A	17	-26.205	-12.387	59.142	1.00	0.00	C
ATOM	512	O6	G	A	17	-27.088	-12.921	59.813	1.00	0.00	O
ATOM	513	N7	G	A	17	-26.384	-13.499	56.856	1.00	0.00	N
ATOM	514	C8	G	A	17	-25.672	-13.288	55.779	1.00	0.00	C
ATOM	515	N9	G	A	17	-24.693	-12.327	55.929	1.00	0.00	N
ATOM	516	C2'	G	A	17	-23.156	-12.910	54.016	1.00	0.00	C
ATOM	517	C3'	G	A	17	-22.994	-12.161	52.704	1.00	0.00	C
ATOM	518	O3'	G	A	17	-21.738	-11.485	52.704	1.00	0.00	O

ATOM	519	C4'	G A	17	-24.173	-11.189	52.720	1.00	0.00	C
ATOM	520	O4'	G A	17	-24.348	-10.858	54.134	1.00	0.00	O
ATOM	521	C5'	G A	17	-25.482	-11.715	52.180	1.00	0.00	C
ATOM	522	O5'	G A	17	-25.635	-13.111	52.538	1.00	0.00	O
ATOM	523	O1P	G A	17	-25.555	-14.293	50.317	1.00	0.00	O
ATOM	524	O2P	G A	17	-26.805	-15.314	52.238	1.00	0.00	O
ATOM	525	P	G A	17	-26.383	-14.086	51.521	1.00	0.00	P
ATOM	526	H1	G A	17	-25.576	-11.153	60.716	1.00	0.00	H
ATOM	527	H8	G A	17	-25.838	-13.825	54.844	1.00	0.00	H
ATOM	528	H1'	G A	17	-22.897	-11.333	55.479	1.00	0.00	H
ATOM	529	H21	G A	17	-23.968	-9.663	60.801	1.00	0.00	H
ATOM	530	H3'	G A	17	-23.045	-12.828	51.843	1.00	0.00	H
ATOM	531	H22	G A	17	-22.925	-9.295	59.399	1.00	0.00	H
ATOM	532	H4'	G A	17	-23.884	-10.331	52.115	1.00	0.00	H
ATOM	533	H2'1	G A	17	-23.845	-13.749	53.911	1.00	0.00	H
ATOM	534	H2'2	G A	17	-22.204	-13.310	54.367	1.00	0.00	H
ATOM	535	H5'1	G A	17	-26.302	-11.134	52.602	1.00	0.00	H
ATOM	536	H5'2	G A	17	-25.490	-11.608	51.095	1.00	0.00	H
ATOM	537	C1'	G A	18	-19.860	-11.505	58.043	1.00	0.00	C
ATOM	538	N1	G A	18	-23.177	-13.371	61.440	1.00	0.00	N
ATOM	539	C2	G A	18	-22.242	-12.359	61.575	1.00	0.00	C
ATOM	540	N2	G A	18	-22.182	-11.767	62.776	1.00	0.00	N
ATOM	541	N3	G A	18	-21.434	-11.969	60.592	1.00	0.00	N
ATOM	542	C4	G A	18	-21.626	-12.682	59.451	1.00	0.00	C
ATOM	543	C5	G A	18	-22.529	-13.708	59.226	1.00	0.00	C
ATOM	544	C6	G A	18	-23.391	-14.120	60.269	1.00	0.00	C
ATOM	545	O6	G A	18	-24.249	-15.004	60.262	1.00	0.00	O
ATOM	546	N7	G A	18	-22.409	-14.178	57.918	1.00	0.00	N
ATOM	547	C8	G A	18	-21.463	-13.438	57.401	1.00	0.00	C
ATOM	548	N9	G A	18	-20.937	-12.506	58.271	1.00	0.00	N
ATOM	549	C2'	G A	18	-18.726	-12.012	57.164	1.00	0.00	C
ATOM	550	C3'	G A	18	-18.345	-10.765	56.385	1.00	0.00	C
ATOM	551	O3'	G A	18	-17.436	-9.987	57.160	1.00	0.00	O
ATOM	552	C4'	G A	18	-19.687	-10.061	56.191	1.00	0.00	C
ATOM	553	O4'	G A	18	-20.441	-10.385	57.403	1.00	0.00	O
ATOM	554	C5'	G A	18	-20.499	-10.484	54.990	1.00	0.00	C
ATOM	555	O5'	G A	18	-20.340	-11.907	54.766	1.00	0.00	O
ATOM	556	O1P	G A	18	-19.131	-12.020	52.562	1.00	0.00	O
ATOM	557	O2P	G A	18	-20.609	-13.916	53.280	1.00	0.00	O
ATOM	558	P	G A	18	-20.351	-12.455	53.268	1.00	0.00	P
ATOM	559	H1	G A	18	-23.760	-13.592	62.262	1.00	0.00	H
ATOM	560	H8	G A	18	-21.118	-13.547	56.372	1.00	0.00	H
ATOM	561	H1'	G A	18	-19.486	-11.179	59.014	1.00	0.00	H
ATOM	562	H21	G A	18	-22.814	-12.073	63.531	1.00	0.00	H
ATOM	563	H3'	G A	18	-17.886	-11.007	55.425	1.00	0.00	H
ATOM	564	H22	G A	18	-21.507	-11.010	62.941	1.00	0.00	H
ATOM	565	H4'	G A	18	-19.475	-8.997	56.093	1.00	0.00	H
ATOM	566	H2'1	G A	18	-19.046	-12.814	56.499	1.00	0.00	H
ATOM	567	H2'2	G A	18	-17.885	-12.388	57.749	1.00	0.00	H
ATOM	568	H5'1	G A	18	-21.549	-10.253	55.168	1.00	0.00	H
ATOM	569	H5'2	G A	18	-20.156	-9.933	54.115	1.00	0.00	H
ATOM	570	C1'	T A	19	-17.630	-11.986	62.436	1.00	0.00	C
ATOM	571	N1	T A	19	-18.377	-13.130	61.850	1.00	0.00	N
ATOM	572	C2	T A	19	-19.316	-13.747	62.650	1.00	0.00	C

ATOM	573	O2	T A	19	-19.544	-13.391	63.794	1.00	0.00	O
ATOM	574	N3	T A	19	-19.987	-14.805	62.065	1.00	0.00	N
ATOM	575	C4	T A	19	-19.804	-15.288	60.787	1.00	0.00	C
ATOM	576	O4	T A	19	-20.465	-16.247	60.372	1.00	0.00	O
ATOM	577	C5	T A	19	-18.802	-14.580	60.025	1.00	0.00	C
ATOM	578	C6	T A	19	-18.129	-13.543	60.563	1.00	0.00	C
ATOM	579	C7	T A	19	-18.572	-15.069	58.627	1.00	0.00	C
ATOM	580	C2'	T A	19	-16.165	-11.931	62.021	1.00	0.00	C
ATOM	581	C3'	T A	19	-15.919	-10.434	61.921	1.00	0.00	C
ATOM	582	O3'	T A	19	-15.604	-9.923	63.214	1.00	0.00	O
ATOM	583	C4'	T A	19	-17.254	-9.906	61.400	1.00	0.00	C
ATOM	584	O4'	T A	19	-18.251	-10.793	61.997	1.00	0.00	O
ATOM	585	C5'	T A	19	-17.440	-9.908	59.901	1.00	0.00	C
ATOM	586	O5'	T A	19	-16.806	-11.081	59.331	1.00	0.00	O
ATOM	587	O1P	T A	19	-14.932	-10.119	57.954	1.00	0.00	O
ATOM	588	O2P	T A	19	-15.946	-12.326	57.326	1.00	0.00	O
ATOM	589	P	T A	19	-16.138	-10.968	57.888	1.00	0.00	P
ATOM	590	H3	T A	19	-20.697	-15.279	62.642	1.00	0.00	H
ATOM	591	H6	T A	19	-17.377	-13.024	59.968	1.00	0.00	H
ATOM	592	H1'	T A	19	-17.726	-12.035	63.521	1.00	0.00	H
ATOM	593	H3'	T A	19	-15.108	-10.200	61.232	1.00	0.00	H
ATOM	594	H4'	T A	19	-17.342	-8.873	61.744	1.00	0.00	H
ATOM	595	H71	T A	19	-17.565	-15.479	58.546	1.00	0.00	H
ATOM	596	H72	T A	19	-19.299	-15.846	58.389	1.00	0.00	H
ATOM	597	H73	T A	19	-18.683	-14.241	57.926	1.00	0.00	H
ATOM	598	H2'1	T A	19	-15.988	-12.427	61.068	1.00	0.00	H
ATOM	599	H2'2	T A	19	-15.508	-12.393	62.759	1.00	0.00	H
ATOM	600	H5'1	T A	19	-18.505	-9.917	59.672	1.00	0.00	H
ATOM	601	H5'2	T A	19	-16.991	-9.008	59.483	1.00	0.00	H
ATOM	602	C01	LNK A	20	-12.388	-9.872	65.088	0.00	0.00	C
ATOM	603	O1	LNK A	20	-13.176	-10.238	63.952	1.00	0.00	O
ATOM	604	S	LNK A	20	-8.698	-10.406	66.482	0.00	0.00	S
ATOM	605	C02	LNK A	20	-10.970	-10.455	64.936	0.00	0.00	C
ATOM	606	C03	LNK A	20	-10.444	-10.893	66.317	0.00	0.00	C
ATOM	607	O1P	LNK A	20	-14.540	-12.313	63.538	1.00	0.00	O
ATOM	608	O2P	LNK A	20	-14.885	-10.980	65.638	1.00	0.00	O
ATOM	609	P	LNK A	20	-14.563	-10.988	64.189	1.00	0.00	P
ATOM	610	H01	LNK A	20	-12.848	-10.267	65.993	0.00	0.00	H
ATOM	611	H02	LNK A	20	-12.328	-8.786	65.155	0.00	0.00	H
ATOM	612	H03	LNK A	20	-10.530	-11.975	66.412	0.00	0.00	H
ATOM	613	H04	LNK A	20	-10.308	-9.697	64.518	0.00	0.00	H
ATOM	614	H05	LNK A	20	-11.001	-11.317	64.270	0.00	0.00	H
ATOM	615	H06	LNK A	20	-11.031	-10.411	67.098	0.00	0.00	H
ATOM	616	AU	LNK A	20	-8.435	-10.686	67.050			
TER										
ATOM	618	C1'	A B	2	-25.374	-18.096	67.082	1.00	0.00	C
ATOM	619	N1	A B	2	-22.018	-16.181	63.704	1.00	0.00	N
ATOM	620	C2	A B	2	-22.326	-15.845	64.952	1.00	0.00	C
ATOM	621	N3	A B	2	-23.203	-16.385	65.772	1.00	0.00	N
ATOM	622	C4	A B	2	-23.832	-17.412	65.170	1.00	0.00	C
ATOM	623	C5	A B	2	-23.634	-17.880	63.902	1.00	0.00	C
ATOM	624	C6	A B	2	-22.660	-17.210	63.130	1.00	0.00	C
ATOM	625	N6	A B	2	-22.357	-17.558	61.868	1.00	0.00	N
ATOM	626	N7	A B	2	-24.463	-18.954	63.630	1.00	0.00	N

ATOM	627	C8	A B	2	-25.141	-19.109	64.728	1.00	0.00	C
ATOM	628	N9	A B	2	-24.810	-18.211	65.709	1.00	0.00	N
ATOM	629	C2'	A B	2	-26.870	-18.372	67.156	1.00	0.00	C
ATOM	630	C3'	A B	2	-26.998	-19.068	68.501	1.00	0.00	C
ATOM	631	O3'	A B	2	-27.096	-18.085	69.529	1.00	0.00	O
ATOM	632	C4'	A B	2	-25.702	-19.872	68.592	1.00	0.00	C
ATOM	633	O4'	A B	2	-24.714	-19.044	67.898	1.00	0.00	O
ATOM	634	C5'	A B	2	-25.716	-21.243	67.958	1.00	0.00	C
ATOM	635	O5'	A B	2	-26.516	-21.215	66.749	1.00	0.00	O
ATOM	636	H2	A B	2	-21.772	-15.000	65.358	1.00	0.00	H
ATOM	637	H8	A B	2	-25.902	-19.880	64.856	1.00	0.00	H
ATOM	638	H1'	A B	2	-25.141	-17.102	67.464	1.00	0.00	H
ATOM	639	H3'	A B	2	-27.869	-19.721	68.543	1.00	0.00	H
ATOM	640	H4'	A B	2	-25.482	-19.998	69.652	1.00	0.00	H
ATOM	641	H61	A B	2	-21.637	-17.038	61.350	1.00	0.00	H
ATOM	642	H62	A B	2	-22.848	-18.347	61.420	1.00	0.00	H
ATOM	643	H2'1	A B	2	-27.213	-19.013	66.344	1.00	0.00	H
ATOM	644	H2'2	A B	2	-27.462	-17.456	67.125	1.00	0.00	H
ATOM	645	H5'1	A B	2	-24.694	-21.535	67.716	1.00	0.00	H
ATOM	646	H5'2	A B	2	-26.137	-21.958	68.663	1.00	0.00	H
ATOM	647	C1'	C B	3	-25.476	-13.132	67.189	1.00	0.00	C
ATOM	648	N1	C B	3	-25.616	-13.863	65.900	1.00	0.00	N
ATOM	649	C2	C B	3	-24.787	-13.488	64.844	1.00	0.00	C
ATOM	650	O2	C B	3	-23.974	-12.571	65.020	1.00	0.00	O
ATOM	651	N3	C B	3	-24.899	-14.140	63.662	1.00	0.00	N
ATOM	652	C4	C B	3	-25.789	-15.128	63.502	1.00	0.00	C
ATOM	653	N4	C B	3	-25.853	-15.735	62.324	1.00	0.00	N
ATOM	654	C5	C B	3	-26.659	-15.533	64.568	1.00	0.00	C
ATOM	655	C6	C B	3	-26.525	-14.864	65.753	1.00	0.00	C
ATOM	656	C2'	C B	3	-26.798	-12.887	67.903	1.00	0.00	C
ATOM	657	C3'	C B	3	-26.401	-13.027	69.364	1.00	0.00	C
ATOM	658	O3'	C B	3	-25.884	-11.782	69.829	1.00	0.00	O
ATOM	659	C4'	C B	3	-25.333	-14.117	69.323	1.00	0.00	C
ATOM	660	O4'	C B	3	-24.659	-13.915	68.039	1.00	0.00	O
ATOM	661	C5'	C B	3	-25.826	-15.543	69.391	1.00	0.00	C
ATOM	662	O5'	C B	3	-27.074	-15.665	68.662	1.00	0.00	O
ATOM	663	O1P	C B	3	-28.749	-16.203	70.462	1.00	0.00	O
ATOM	664	O2P	C B	3	-29.146	-16.974	68.108	1.00	0.00	O
ATOM	665	P	C B	3	-28.174	-16.689	69.192	1.00	0.00	P
ATOM	666	H5	C B	3	-27.390	-16.331	64.440	1.00	0.00	H
ATOM	667	H6	C B	3	-27.159	-15.141	66.595	1.00	0.00	H
ATOM	668	H1'	C B	3	-24.956	-12.194	66.995	1.00	0.00	H
ATOM	669	H3'	C B	3	-27.243	-13.324	69.989	1.00	0.00	H
ATOM	670	H4'	C B	3	-24.678	-13.952	70.179	1.00	0.00	H
ATOM	671	H41	C B	3	-26.527	-16.500	62.175	1.00	0.00	H
ATOM	672	H42	C B	3	-25.229	-15.441	61.558	1.00	0.00	H
ATOM	673	H2'1	C B	3	-27.559	-13.617	67.627	1.00	0.00	H
ATOM	674	H2'2	C B	3	-27.203	-11.896	67.694	1.00	0.00	H
ATOM	675	H5'1	C B	3	-25.077	-16.203	68.951	1.00	0.00	H
ATOM	676	H5'2	C B	3	-25.980	-15.820	70.432	1.00	0.00	H
ATOM	677	C1'	C B	4	-24.852	-8.621	65.244	1.00	0.00	C
ATOM	678	N1	C B	4	-25.647	-9.653	64.524	1.00	0.00	N
ATOM	679	C2	C B	4	-25.329	-9.910	63.192	1.00	0.00	C
ATOM	680	O2	C B	4	-24.405	-9.276	62.665	1.00	0.00	O

ATOM	681	N3	C B	4	-26.040	-10.845	62.517	1.00	0.00	N
ATOM	682	C4	C B	4	-27.036	-11.516	63.114	1.00	0.00	C
ATOM	683	N4	C B	4	-27.697	-12.423	62.410	1.00	0.00	N
ATOM	684	C5	C B	4	-27.389	-11.269	64.482	1.00	0.00	C
ATOM	685	C6	C B	4	-26.654	-10.325	65.143	1.00	0.00	C
ATOM	686	C2'	C B	4	-25.675	-7.771	66.202	1.00	0.00	C
ATOM	687	C3'	C B	4	-24.695	-7.540	67.342	1.00	0.00	C
ATOM	688	O3'	C B	4	-23.860	-6.429	67.024	1.00	0.00	O
ATOM	689	C4'	C B	4	-23.915	-8.852	67.391	1.00	0.00	C
ATOM	690	O4'	C B	4	-23.858	-9.292	65.996	1.00	0.00	O
ATOM	691	C5'	C B	4	-24.518	-9.962	68.222	1.00	0.00	C
ATOM	692	O5'	C B	4	-25.963	-9.932	68.105	1.00	0.00	O
ATOM	693	O1P	C B	4	-26.723	-9.324	70.426	1.00	0.00	O
ATOM	694	O2P	C B	4	-28.223	-10.662	68.924	1.00	0.00	O
ATOM	695	P	C B	4	-26.843	-10.346	69.367	1.00	0.00	P
ATOM	696	H5	C B	4	-28.202	-11.806	64.969	1.00	0.00	H
ATOM	697	H6	C B	4	-26.881	-10.108	66.186	1.00	0.00	H
ATOM	698	H1'	C B	4	-24.349	-7.999	64.503	1.00	0.00	H
ATOM	699	H3'	C B	4	-25.205	-7.350	68.287	1.00	0.00	H
ATOM	700	H4'	C B	4	-22.933	-8.623	67.805	1.00	0.00	H
ATOM	701	H41	C B	4	-28.465	-12.955	62.845	1.00	0.00	H
ATOM	702	H42	C B	4	-27.443	-12.597	61.425	1.00	0.00	H
ATOM	703	H2'1	C B	4	-26.571	-8.286	66.548	1.00	0.00	H
ATOM	704	H2'2	C B	4	-25.990	-6.829	65.753	1.00	0.00	H
ATOM	705	H5'1	C B	4	-24.139	-10.920	67.869	1.00	0.00	H
ATOM	706	H5'2	C B	4	-24.230	-9.823	69.263	1.00	0.00	H
ATOM	707	C1'	G B	5	-24.545	-5.399	61.496	1.00	0.00	C
ATOM	708	N1	G B	5	-27.425	-8.831	59.056	1.00	0.00	N
ATOM	709	C2	G B	5	-26.333	-8.108	58.608	1.00	0.00	C
ATOM	710	N2	G B	5	-25.960	-8.327	57.341	1.00	0.00	N
ATOM	711	N3	G B	5	-25.667	-7.237	59.364	1.00	0.00	N
ATOM	712	C4	G B	5	-26.186	-7.136	60.616	1.00	0.00	C
ATOM	713	C5	G B	5	-27.272	-7.812	61.147	1.00	0.00	C
ATOM	714	C6	G B	5	-27.977	-8.739	60.347	1.00	0.00	C
ATOM	715	O6	G B	5	-28.955	-9.427	60.637	1.00	0.00	O
ATOM	716	N7	G B	5	-27.482	-7.421	62.472	1.00	0.00	N
ATOM	717	C8	G B	5	-26.538	-6.543	62.697	1.00	0.00	C
ATOM	718	N9	G B	5	-25.711	-6.316	61.615	1.00	0.00	N
ATOM	719	C2'	G B	5	-24.727	-4.077	62.230	1.00	0.00	C
ATOM	720	C3'	G B	5	-23.320	-3.796	62.732	1.00	0.00	C
ATOM	721	O3'	G B	5	-22.574	-3.155	61.701	1.00	0.00	O
ATOM	722	C4'	G B	5	-22.788	-5.192	63.050	1.00	0.00	C
ATOM	723	O4'	G B	5	-23.421	-6.054	62.052	1.00	0.00	O
ATOM	724	C5'	G B	5	-23.099	-5.733	64.425	1.00	0.00	C
ATOM	725	O5'	G B	5	-24.424	-5.309	64.830	1.00	0.00	O
ATOM	726	O1P	G B	5	-23.977	-3.782	66.780	1.00	0.00	O
ATOM	727	O2P	G B	5	-26.156	-5.015	66.627	1.00	0.00	O
ATOM	728	P	G B	5	-24.695	-5.004	66.372	1.00	0.00	P
ATOM	729	H1	G B	5	-27.867	-9.485	58.392	1.00	0.00	H
ATOM	730	H8	G B	5	-26.415	-6.035	63.653	1.00	0.00	H
ATOM	731	H1'	G B	5	-24.347	-5.233	60.438	1.00	0.00	H
ATOM	732	H21	G B	5	-26.478	-9.005	56.763	1.00	0.00	H
ATOM	733	H3'	G B	5	-23.322	-3.165	63.622	1.00	0.00	H
ATOM	734	H22	G B	5	-25.157	-7.818	56.945	1.00	0.00	H

ATOM	735	H4'	G B	5	-21.704	-5.148	62.947	1.00	0.00	H
ATOM	736	H2'1	G B	5	-25.435	-4.156	63.055	1.00	0.00	H
ATOM	737	H2'2	G B	5	-25.079	-3.283	61.571	1.00	0.00	H
ATOM	738	H5'1	G B	5	-23.052	-6.822	64.399	1.00	0.00	H
ATOM	739	H5'2	G B	5	-22.360	-5.359	65.133	1.00	0.00	H
ATOM	740	C1'	T B	6	-25.473	-3.805	56.903	1.00	0.00	C
ATOM	741	N1	T B	6	-26.588	-4.255	57.778	1.00	0.00	N
ATOM	742	C2	T B	6	-27.462	-5.187	57.256	1.00	0.00	C
ATOM	743	O2	T B	6	-27.350	-5.639	56.130	1.00	0.00	O
ATOM	744	N3	T B	6	-28.482	-5.578	58.105	1.00	0.00	N
ATOM	745	C4	T B	6	-28.700	-5.129	59.390	1.00	0.00	C
ATOM	746	O4	T B	6	-29.653	-5.551	60.054	1.00	0.00	O
ATOM	747	C5	T B	6	-27.735	-4.158	59.847	1.00	0.00	C
ATOM	748	C6	T B	6	-26.727	-3.754	59.049	1.00	0.00	C
ATOM	749	C7	T B	6	-27.932	-3.644	61.243	1.00	0.00	C
ATOM	750	C2'	T B	6	-25.142	-2.324	57.044	1.00	0.00	C
ATOM	751	C3'	T B	6	-23.631	-2.320	56.870	1.00	0.00	C
ATOM	752	O3'	T B	6	-23.319	-2.288	55.479	1.00	0.00	O
ATOM	753	C4'	T B	6	-23.209	-3.631	57.528	1.00	0.00	C
ATOM	754	O4'	T B	6	-24.320	-4.544	57.257	1.00	0.00	O
ATOM	755	C5'	T B	6	-22.972	-3.590	59.020	1.00	0.00	C
ATOM	756	O5'	T B	6	-23.926	-2.692	59.642	1.00	0.00	O
ATOM	757	O1P	T B	6	-22.483	-0.821	60.509	1.00	0.00	O
ATOM	758	O2P	T B	6	-24.663	-1.349	61.633	1.00	0.00	O
ATOM	759	P	T B	6	-23.466	-1.845	60.913	1.00	0.00	P
ATOM	760	H3	T B	6	-29.146	-6.276	57.739	1.00	0.00	H
ATOM	761	H6	T B	6	-26.011	-3.020	59.418	1.00	0.00	H
ATOM	762	H1'	T B	6	-25.726	-4.051	55.872	1.00	0.00	H
ATOM	763	H3'	T B	6	-23.167	-1.465	57.363	1.00	0.00	H
ATOM	764	H4'	T B	6	-22.278	-3.940	57.052	1.00	0.00	H
ATOM	765	H71	T B	6	-28.176	-2.582	61.208	1.00	0.00	H
ATOM	766	H72	T B	6	-28.748	-4.189	61.719	1.00	0.00	H
ATOM	767	H73	T B	6	-27.016	-3.787	61.817	1.00	0.00	H
ATOM	768	H2'1	T B	6	-25.431	-1.927	58.015	1.00	0.00	H
ATOM	769	H2'2	T B	6	-25.630	-1.717	56.281	1.00	0.00	H
ATOM	770	H5'1	T B	6	-23.089	-4.593	59.430	1.00	0.00	H
ATOM	771	H5'2	T B	6	-21.958	-3.240	59.211	1.00	0.00	H
ATOM	772	C1'	C B	7	-28.148	-3.618	52.723	1.00	0.00	C
ATOM	773	N1	C B	7	-28.794	-3.387	54.046	1.00	0.00	N
ATOM	774	C2	C B	7	-29.940	-4.119	54.349	1.00	0.00	C
ATOM	775	O2	C B	7	-30.371	-4.927	53.515	1.00	0.00	O
ATOM	776	N3	C B	7	-30.543	-3.923	55.547	1.00	0.00	N
ATOM	777	C4	C B	7	-30.054	-3.041	56.428	1.00	0.00	C
ATOM	778	N4	C B	7	-30.681	-2.892	57.584	1.00	0.00	N
ATOM	779	C5	C B	7	-28.879	-2.270	56.141	1.00	0.00	C
ATOM	780	C6	C B	7	-28.285	-2.488	54.930	1.00	0.00	C
ATOM	781	C2'	C B	7	-27.593	-2.355	52.082	1.00	0.00	C
ATOM	782	C3'	C B	7	-26.340	-2.874	51.394	1.00	0.00	C
ATOM	783	O3'	C B	7	-26.692	-3.404	50.118	1.00	0.00	O
ATOM	784	C4'	C B	7	-25.849	-3.955	52.353	1.00	0.00	C
ATOM	785	O4'	C B	7	-27.073	-4.517	52.922	1.00	0.00	O
ATOM	786	C5'	C B	7	-24.956	-3.496	53.484	1.00	0.00	C
ATOM	787	O5'	C B	7	-25.392	-2.195	53.952	1.00	0.00	O
ATOM	788	O1P	C B	7	-23.474	-0.684	53.344	1.00	0.00	O

ATOM	789	O2P	C B	7	-24.955	-0.110	55.284	1.00	0.00	O
ATOM	790	P	C B	7	-24.295	-1.161	54.473	1.00	0.00	P
ATOM	791	H5	C B	7	-28.481	-1.547	56.853	1.00	0.00	H
ATOM	792	H6	C B	7	-27.385	-1.931	54.670	1.00	0.00	H
ATOM	793	H1'	C B	7	-28.874	-4.103	52.070	1.00	0.00	H
ATOM	794	H3'	C B	7	-25.590	-2.091	51.265	1.00	0.00	H
ATOM	795	H4'	C B	7	-25.285	-4.674	51.758	1.00	0.00	H
ATOM	796	H41	C B	7	-30.323	-2.223	58.282	1.00	0.00	H
ATOM	797	H42	C B	7	-31.527	-3.446	57.788	1.00	0.00	H
ATOM	798	H2'1	C B	7	-27.353	-1.588	52.818	1.00	0.00	H
ATOM	799	H2'2	C B	7	-28.287	-1.915	51.366	1.00	0.00	H
ATOM	800	H5'1	C B	7	-25.010	-4.219	54.298	1.00	0.00	H
ATOM	801	H5'2	C B	7	-23.930	-3.433	53.126	1.00	0.00	H
ATOM	802	C1'	C B	8	-32.325	-3.995	50.089	1.00	0.00	C
ATOM	803	N1	C B	8	-32.281	-3.164	51.322	1.00	0.00	N
ATOM	804	C2	C B	8	-33.262	-3.376	52.289	1.00	0.00	C
ATOM	805	O2	C B	8	-34.123	-4.241	52.084	1.00	0.00	O
ATOM	806	N3	C B	8	-33.239	-2.629	53.419	1.00	0.00	N
ATOM	807	C4	C B	8	-32.294	-1.699	53.611	1.00	0.00	C
ATOM	808	N4	C B	8	-32.318	-1.000	54.737	1.00	0.00	N
ATOM	809	C5	C B	8	-31.274	-1.454	52.633	1.00	0.00	C
ATOM	810	C6	C B	8	-31.314	-2.223	51.503	1.00	0.00	C
ATOM	811	C2'	C B	8	-31.944	-3.239	48.823	1.00	0.00	C
ATOM	812	C3'	C B	8	-31.209	-4.304	48.025	1.00	0.00	C
ATOM	813	O3'	C B	8	-32.159	-5.089	47.308	1.00	0.00	O
ATOM	814	C4'	C B	8	-30.497	-5.110	49.110	1.00	0.00	C
ATOM	815	O4'	C B	8	-31.407	-5.059	50.255	1.00	0.00	O
ATOM	816	C5'	C B	8	-29.144	-4.599	49.546	1.00	0.00	C
ATOM	817	O5'	C B	8	-29.143	-3.148	49.544	1.00	0.00	O
ATOM	818	O1P	C B	8	-27.506	-2.570	47.721	1.00	0.00	O
ATOM	819	O2P	C B	8	-27.881	-0.978	49.624	1.00	0.00	O
ATOM	820	P	C B	8	-27.801	-2.383	49.156	1.00	0.00	P
ATOM	821	H5	C B	8	-30.508	-0.694	52.781	1.00	0.00	H
ATOM	822	H6	C B	8	-30.556	-2.079	50.734	1.00	0.00	H
ATOM	823	H1'	C B	8	-33.324	-4.424	50.002	1.00	0.00	H
ATOM	824	H3'	C B	8	-30.496	-3.870	47.325	1.00	0.00	H
ATOM	825	H4'	C B	8	-30.359	-6.117	48.717	1.00	0.00	H
ATOM	826	H41	C B	8	-31.600	-0.281	54.911	1.00	0.00	H
ATOM	827	H42	C B	8	-33.052	-1.176	55.438	1.00	0.00	H
ATOM	828	H2'1	C B	8	-31.301	-2.384	49.030	1.00	0.00	H
ATOM	829	H2'2	C B	8	-32.817	-2.869	48.284	1.00	0.00	H
ATOM	830	H5'1	C B	8	-28.929	-4.965	50.550	1.00	0.00	H
ATOM	831	H5'2	C B	8	-28.384	-4.968	48.860	1.00	0.00	H
ATOM	832	C1'	T B	9	-37.238	-3.943	49.497	1.00	0.00	C
ATOM	833	N1	T B	9	-36.555	-2.811	50.178	1.00	0.00	N
ATOM	834	C2	T B	9	-37.049	-2.423	51.406	1.00	0.00	C
ATOM	835	O2	T B	9	-38.004	-2.966	51.933	1.00	0.00	O
ATOM	836	N3	T B	9	-36.384	-1.369	52.004	1.00	0.00	N
ATOM	837	C4	T B	9	-35.301	-0.686	51.493	1.00	0.00	C
ATOM	838	O4	T B	9	-34.789	0.249	52.121	1.00	0.00	O
ATOM	839	C5	T B	9	-34.855	-1.163	50.205	1.00	0.00	C
ATOM	840	C6	T B	9	-35.479	-2.189	49.594	1.00	0.00	C
ATOM	841	C7	T B	9	-33.676	-0.450	49.614	1.00	0.00	C
ATOM	842	C2'	T B	9	-37.341	-3.779	47.984	1.00	0.00	C

ATOM	843	C3'	T B	9	-37.175	-5.211	47.499	1.00	0.00	C
ATOM	844	O3'	T B	9	-38.439	-5.869	47.543	1.00	0.00	O
ATOM	845	C4'	T B	9	-36.181	-5.796	48.499	1.00	0.00	C
ATOM	846	O4'	T B	9	-36.495	-5.117	49.757	1.00	0.00	O
ATOM	847	C5'	T B	9	-34.716	-5.592	48.191	1.00	0.00	C
ATOM	848	O5'	T B	9	-34.520	-4.287	47.590	1.00	0.00	O
ATOM	849	O1P	T B	9	-33.768	-4.829	45.251	1.00	0.00	O
ATOM	850	O2P	T B	9	-33.065	-2.674	46.328	1.00	0.00	O
ATOM	851	P	T B	9	-33.384	-4.113	46.485	1.00	0.00	P
ATOM	852	H3	T B	9	-36.732	-1.063	52.923	1.00	0.00	H
ATOM	853	H6	T B	9	-35.124	-2.531	48.622	1.00	0.00	H
ATOM	854	H1'	T B	9	-38.225	-4.065	49.943	1.00	0.00	H
ATOM	855	H3'	T B	9	-36.781	-5.252	46.483	1.00	0.00	H
ATOM	856	H4'	T B	9	-36.367	-6.871	48.537	1.00	0.00	H
ATOM	857	H71	T B	9	-33.984	0.072	48.707	1.00	0.00	H
ATOM	858	H72	T B	9	-33.287	0.271	50.333	1.00	0.00	H
ATOM	859	H73	T B	9	-32.898	-1.174	49.368	1.00	0.00	H
ATOM	860	H2'1	T B	9	-36.561	-3.131	47.586	1.00	0.00	H
ATOM	861	H2'2	T B	9	-38.301	-3.363	47.678	1.00	0.00	H
ATOM	862	H5'1	T B	9	-34.142	-5.663	49.114	1.00	0.00	H
ATOM	863	H5'2	T B	9	-34.386	-6.367	47.502	1.00	0.00	H
ATOM	864	C1'	A B	10	-41.854	-2.601	50.733	1.00	0.00	C
ATOM	865	N1	A B	10	-39.506	1.416	52.898	1.00	0.00	N
ATOM	866	C2	A B	10	-40.506	0.636	53.299	1.00	0.00	C
ATOM	867	N3	A B	10	-41.062	-0.389	52.690	1.00	0.00	N
ATOM	868	C4	A B	10	-40.475	-0.598	51.498	1.00	0.00	C
ATOM	869	C5	A B	10	-39.444	0.108	50.943	1.00	0.00	C
ATOM	870	C6	A B	10	-38.939	1.182	51.704	1.00	0.00	C
ATOM	871	N6	A B	10	-37.928	1.965	51.287	1.00	0.00	N
ATOM	872	N7	A B	10	-39.102	-0.400	49.702	1.00	0.00	N
ATOM	873	C8	A B	10	-39.928	-1.390	49.532	1.00	0.00	C
ATOM	874	N9	A B	10	-40.789	-1.573	50.583	1.00	0.00	N
ATOM	875	C2'	A B	10	-42.588	-2.916	49.437	1.00	0.00	C
ATOM	876	C3'	A B	10	-42.857	-4.407	49.579	1.00	0.00	C
ATOM	877	O3'	A B	10	-44.047	-4.598	50.339	1.00	0.00	O
ATOM	878	C4'	A B	10	-41.615	-4.906	50.316	1.00	0.00	C
ATOM	879	O4'	A B	10	-41.241	-3.792	51.189	1.00	0.00	O
ATOM	880	C5'	A B	10	-40.426	-5.270	49.459	1.00	0.00	C
ATOM	881	O5'	A B	10	-40.334	-4.357	48.335	1.00	0.00	O
ATOM	882	O1P	A B	10	-40.778	-5.836	46.347	1.00	0.00	O
ATOM	883	O2P	A B	10	-39.379	-3.769	46.087	1.00	0.00	O
ATOM	884	P	A B	10	-39.794	-4.910	46.940	1.00	0.00	P
ATOM	885	H2	A B	10	-40.924	0.882	54.274	1.00	0.00	H
ATOM	886	H8	A B	10	-39.935	-2.015	48.639	1.00	0.00	H
ATOM	887	H1'	A B	10	-42.547	-2.264	51.503	1.00	0.00	H
ATOM	888	H3'	A B	10	-42.963	-4.896	48.611	1.00	0.00	H
ATOM	889	H4'	A B	10	-41.913	-5.798	50.868	1.00	0.00	H
ATOM	890	H61	A B	10	-37.595	2.734	51.883	1.00	0.00	H
ATOM	891	H62	A B	10	-37.488	1.793	50.372	1.00	0.00	H
ATOM	892	H2'1	A B	10	-41.984	-2.705	48.556	1.00	0.00	H
ATOM	893	H2'2	A B	10	-43.518	-2.354	49.341	1.00	0.00	H
ATOM	894	H5'1	A B	10	-39.519	-5.206	50.059	1.00	0.00	H
ATOM	895	H5'2	A B	10	-40.545	-6.289	49.096	1.00	0.00	H
ATOM	896	C1'	G B	11	-45.196	0.412	52.829	1.00	0.00	C

ATOM	897	N1	G B	11	-41.625	3.980	52.096	1.00	0.00	N
ATOM	898	C2	G B	11	-42.444	3.755	53.188	1.00	0.00	C
ATOM	899	N2	G B	11	-42.293	4.593	54.221	1.00	0.00	N
ATOM	900	N3	G B	11	-43.342	2.772	53.245	1.00	0.00	N
ATOM	901	C4	G B	11	-43.363	2.026	52.109	1.00	0.00	C
ATOM	902	C5	G B	11	-42.589	2.179	50.972	1.00	0.00	C
ATOM	903	C6	G B	11	-41.633	3.220	50.911	1.00	0.00	C
ATOM	904	O6	G B	11	-40.861	3.513	49.998	1.00	0.00	O
ATOM	905	N7	G B	11	-42.921	1.206	50.027	1.00	0.00	N
ATOM	906	C8	G B	11	-43.863	0.509	50.609	1.00	0.00	C
ATOM	907	N9	G B	11	-44.188	0.947	51.876	1.00	0.00	N
ATOM	908	C2'	G B	11	-46.477	-0.069	52.161	1.00	0.00	C
ATOM	909	C3'	G B	11	-46.852	-1.267	53.018	1.00	0.00	C
ATOM	910	O3'	G B	11	-47.581	-0.817	54.158	1.00	0.00	O
ATOM	911	C4'	G B	11	-45.494	-1.854	53.396	1.00	0.00	C
ATOM	912	O4'	G B	11	-44.615	-0.688	53.501	1.00	0.00	O
ATOM	913	C5'	G B	11	-44.888	-2.830	52.415	1.00	0.00	C
ATOM	914	O5'	G B	11	-45.194	-2.418	51.060	1.00	0.00	O
ATOM	915	O1P	G B	11	-46.692	-4.255	50.216	1.00	0.00	O
ATOM	916	O2P	G B	11	-45.296	-2.934	48.604	1.00	0.00	O
ATOM	917	P	G B	11	-45.430	-3.539	49.951	1.00	0.00	P
ATOM	918	H1	G B	11	-40.958	4.764	52.156	1.00	0.00	H
ATOM	919	H8	G B	11	-44.349	-0.342	50.134	1.00	0.00	H
ATOM	920	H1'	G B	11	-45.409	1.183	53.571	1.00	0.00	H
ATOM	921	H21	G B	11	-41.595	5.349	54.172	1.00	0.00	H
ATOM	922	H3'	G B	11	-47.454	-1.991	52.468	1.00	0.00	H
ATOM	923	H22	G B	11	-42.875	4.481	55.064	1.00	0.00	H
ATOM	924	H4'	G B	11	-45.626	-2.374	54.345	1.00	0.00	H
ATOM	925	H2'1	G B	11	-46.317	-0.359	51.122	1.00	0.00	H
ATOM	926	H2'2	G B	11	-47.260	0.689	52.173	1.00	0.00	H
ATOM	927	H5'1	G B	11	-43.808	-2.856	52.557	1.00	0.00	H
ATOM	928	H5'2	G B	11	-45.298	-3.823	52.600	1.00	0.00	H
ATOM	929	C1'	G B	12	-46.834	4.782	54.486	1.00	0.00	C
ATOM	930	N1	G B	12	-43.505	6.667	51.110	1.00	0.00	N
ATOM	931	C2	G B	12	-43.779	7.067	52.407	1.00	0.00	C
ATOM	932	N2	G B	12	-43.073	8.110	52.864	1.00	0.00	N
ATOM	933	N3	G B	12	-44.683	6.475	53.184	1.00	0.00	N
ATOM	934	C4	G B	12	-45.307	5.444	52.557	1.00	0.00	C
ATOM	935	C5	G B	12	-45.104	4.977	51.270	1.00	0.00	C
ATOM	936	C6	G B	12	-44.142	5.603	50.445	1.00	0.00	C
ATOM	937	O6	G B	12	-43.822	5.337	49.286	1.00	0.00	O
ATOM	938	N7	G B	12	-45.950	3.898	51.008	1.00	0.00	N
ATOM	939	C8	G B	12	-46.622	3.745	52.119	1.00	0.00	C
ATOM	940	N9	G B	12	-46.288	4.648	53.108	1.00	0.00	N
ATOM	941	C2'	G B	12	-48.330	4.519	54.581	1.00	0.00	C
ATOM	942	C3'	G B	12	-48.447	3.837	55.936	1.00	0.00	C
ATOM	943	O3'	G B	12	-48.526	4.831	56.955	1.00	0.00	O
ATOM	944	C4'	G B	12	-47.156	3.025	56.020	1.00	0.00	C
ATOM	945	O4'	G B	12	-46.172	3.839	55.306	1.00	0.00	O
ATOM	946	C5'	G B	12	-47.187	1.649	55.398	1.00	0.00	C
ATOM	947	O5'	G B	12	-48.002	1.670	54.200	1.00	0.00	O
ATOM	948	O1P	G B	12	-49.954	0.199	54.798	1.00	0.00	O
ATOM	949	O2P	G B	12	-49.251	0.437	52.401	1.00	0.00	O
ATOM	950	P	G B	12	-48.855	0.374	53.829	1.00	0.00	P

ATOM	951	H1	G B	12	-42.781	7.190	50.594	1.00	0.00	H
ATOM	952	H8	G B	12	-47.380	2.974	52.255	1.00	0.00	H
ATOM	953	H1'	G B	12	-46.588	5.778	54.855	1.00	0.00	H
ATOM	954	H21	G B	12	-42.372	8.561	52.257	1.00	0.00	H
ATOM	955	H3'	G B	12	-49.323	3.190	55.994	1.00	0.00	H
ATOM	956	H22	G B	12	-43.231	8.458	53.819	1.00	0.00	H
ATOM	957	H4'	G B	12	-46.924	2.907	57.077	1.00	0.00	H
ATOM	958	H2'1	G B	12	-48.688	3.873	53.780	1.00	0.00	H
ATOM	959	H2'2	G B	12	-48.916	5.437	54.548	1.00	0.00	H
ATOM	960	H5'1	G B	12	-46.170	1.347	55.147	1.00	0.00	H
ATOM	961	H5'2	G B	12	-47.604	0.942	56.115	1.00	0.00	H
ATOM	962	C1'	T B	13	-46.966	9.728	54.625	1.00	0.00	C
ATOM	963	N1	T B	13	-47.090	9.013	53.328	1.00	0.00	N
ATOM	964	C2	T B	13	-46.253	9.412	52.304	1.00	0.00	C
ATOM	965	O2	T B	13	-45.438	10.311	52.432	1.00	0.00	O
ATOM	966	N3	T B	13	-46.401	8.720	51.117	1.00	0.00	N
ATOM	967	C4	T B	13	-47.289	7.695	50.868	1.00	0.00	C
ATOM	968	O4	T B	13	-47.334	7.151	49.759	1.00	0.00	O
ATOM	969	C5	T B	13	-48.121	7.347	51.996	1.00	0.00	C
ATOM	970	C6	T B	13	-48.003	8.000	53.170	1.00	0.00	C
ATOM	971	C7	T B	13	-49.102	6.235	51.772	1.00	0.00	C
ATOM	972	C2'	T B	13	-48.298	9.958	55.330	1.00	0.00	C
ATOM	973	C3'	T B	13	-47.912	9.806	56.793	1.00	0.00	C
ATOM	974	O3'	T B	13	-47.408	11.049	57.276	1.00	0.00	O
ATOM	975	C4'	T B	13	-46.836	8.723	56.750	1.00	0.00	C
ATOM	976	O4'	T B	13	-46.153	8.944	55.475	1.00	0.00	O
ATOM	977	C5'	T B	13	-47.320	7.292	56.798	1.00	0.00	C
ATOM	978	O5'	T B	13	-48.561	7.170	56.057	1.00	0.00	O
ATOM	979	O1P	T B	13	-50.248	6.603	57.835	1.00	0.00	O
ATOM	980	O2P	T B	13	-50.619	5.854	55.469	1.00	0.00	O
ATOM	981	P	T B	13	-49.659	6.133	56.565	1.00	0.00	P
ATOM	982	H3	T B	13	-45.785	8.998	50.339	1.00	0.00	H
ATOM	983	H6	T B	13	-48.643	7.720	54.007	1.00	0.00	H
ATOM	984	H1'	T B	13	-46.451	10.673	54.448	1.00	0.00	H
ATOM	985	H3'	T B	13	-48.758	9.496	57.407	1.00	0.00	H
ATOM	986	H4'	T B	13	-46.191	8.883	57.614	1.00	0.00	H
ATOM	987	H71	T B	13	-50.117	6.626	51.835	1.00	0.00	H
ATOM	988	H72	T B	13	-48.940	5.801	50.784	1.00	0.00	H
ATOM	989	H73	T B	13	-48.961	5.466	52.533	1.00	0.00	H
ATOM	990	H2'1	T B	13	-49.049	9.226	55.039	1.00	0.00	H
ATOM	991	H2'2	T B	13	-48.707	10.948	55.129	1.00	0.00	H
ATOM	992	H5'1	T B	13	-46.563	6.643	56.359	1.00	0.00	H
ATOM	993	H5'2	T B	13	-47.483	7.004	57.835	1.00	0.00	H
ATOM	994	C1'	G B	14	-46.330	14.243	52.660	1.00	0.00	C
ATOM	995	N1	G B	14	-46.989	11.802	48.228	1.00	0.00	N
ATOM	996	C2	G B	14	-46.081	12.788	48.572	1.00	0.00	C
ATOM	997	N2	G B	14	-45.238	13.176	47.609	1.00	0.00	N
ATOM	998	N3	G B	14	-46.019	13.341	49.783	1.00	0.00	N
ATOM	999	C4	G B	14	-46.951	12.832	50.632	1.00	0.00	C
ATOM	1000	C5	G B	14	-47.897	11.855	50.376	1.00	0.00	C
ATOM	1001	C6	G B	14	-47.961	11.264	49.092	1.00	0.00	C
ATOM	1002	O6	G B	14	-48.724	10.390	48.677	1.00	0.00	O
ATOM	1003	N7	G B	14	-48.668	11.618	51.516	1.00	0.00	N
ATOM	1004	C8	G B	14	-48.174	12.439	52.407	1.00	0.00	C

ATOM	1005	N9	G B	14	-47.128	13.212	51.944	1.00	0.00	N
ATOM	1006	C2'	G B	14	-47.148	15.094	53.622	1.00	0.00	C
ATOM	1007	C3'	G B	14	-46.163	15.327	54.756	1.00	0.00	C
ATOM	1008	O3'	G B	14	-45.330	16.437	54.433	1.00	0.00	O
ATOM	1009	C4'	G B	14	-45.383	14.014	54.802	1.00	0.00	C
ATOM	1010	O4'	G B	14	-45.333	13.575	53.408	1.00	0.00	O
ATOM	1011	C5'	G B	14	-45.980	12.907	55.637	1.00	0.00	C
ATOM	1012	O5'	G B	14	-47.425	12.934	55.527	1.00	0.00	O
ATOM	1013	O1P	G B	14	-48.176	13.543	57.851	1.00	0.00	O
ATOM	1014	O2P	G B	14	-49.681	12.203	56.357	1.00	0.00	O
ATOM	1015	P	G B	14	-48.300	12.521	56.795	1.00	0.00	P
ATOM	1016	H1	G B	14	-46.949	11.435	47.265	1.00	0.00	H
ATOM	1017	H8	G B	14	-48.556	12.507	53.426	1.00	0.00	H
ATOM	1018	H1'	G B	14	-45.830	14.865	51.916	1.00	0.00	H
ATOM	1019	H21	G B	14	-45.290	12.741	46.675	1.00	0.00	H
ATOM	1020	H3'	G B	14	-46.668	15.517	55.704	1.00	0.00	H
ATOM	1021	H22	G B	14	-44.540	13.909	47.799	1.00	0.00	H
ATOM	1022	H4'	G B	14	-44.399	14.245	55.211	1.00	0.00	H
ATOM	1023	H2'1	G B	14	-48.042	14.579	53.972	1.00	0.00	H
ATOM	1024	H2'2	G B	14	-47.467	16.035	53.174	1.00	0.00	H
ATOM	1025	H5'1	G B	14	-45.602	11.948	55.284	1.00	0.00	H
ATOM	1026	H5'2	G B	14	-45.687	13.045	56.678	1.00	0.00	H
ATOM	1027	C1'	C B	15	-46.021	17.467	48.912	1.00	0.00	C
ATOM	1028	N1	C B	15	-47.185	16.547	49.025	1.00	0.00	N
ATOM	1029	C2	C B	15	-47.529	15.787	47.909	1.00	0.00	C
ATOM	1030	O2	C B	15	-46.856	15.907	46.877	1.00	0.00	O
ATOM	1031	N3	C B	15	-48.586	14.943	47.992	1.00	0.00	N
ATOM	1032	C4	C B	15	-49.294	14.837	49.122	1.00	0.00	C
ATOM	1033	N4	C B	15	-50.316	13.994	49.149	1.00	0.00	N
ATOM	1034	C5	C B	15	-48.968	15.610	50.286	1.00	0.00	C
ATOM	1035	C6	C B	15	-47.897	16.448	50.181	1.00	0.00	C
ATOM	1036	C2'	C B	15	-46.209	18.788	49.644	1.00	0.00	C
ATOM	1037	C3'	C B	15	-44.805	19.072	50.154	1.00	0.00	C
ATOM	1038	O3'	C B	15	-44.053	19.714	49.126	1.00	0.00	O
ATOM	1039	C4'	C B	15	-44.271	17.677	50.473	1.00	0.00	C
ATOM	1040	O4'	C B	15	-44.899	16.812	49.473	1.00	0.00	O
ATOM	1041	C5'	C B	15	-44.589	17.134	51.848	1.00	0.00	C
ATOM	1042	O5'	C B	15	-45.917	17.558	52.246	1.00	0.00	O
ATOM	1043	O1P	C B	15	-45.480	19.087	54.198	1.00	0.00	O
ATOM	1044	O2P	C B	15	-47.658	17.850	54.036	1.00	0.00	O
ATOM	1045	P	C B	15	-46.196	17.862	53.786	1.00	0.00	P
ATOM	1046	H5	C B	15	-49.546	15.530	51.207	1.00	0.00	H
ATOM	1047	H6	C B	15	-47.605	17.052	51.041	1.00	0.00	H
ATOM	1048	H1'	C B	15	-45.819	17.632	47.853	1.00	0.00	H
ATOM	1049	H3'	C B	15	-44.813	19.702	51.043	1.00	0.00	H
ATOM	1050	H4'	C B	15	-43.186	17.722	50.377	1.00	0.00	H
ATOM	1051	H41	C B	15	-50.877	13.889	50.008	1.00	0.00	H
ATOM	1052	H42	C B	15	-50.551	13.441	48.311	1.00	0.00	H
ATOM	1053	H2'1	C B	15	-46.921	18.709	50.465	1.00	0.00	H
ATOM	1054	H2'2	C B	15	-46.560	19.582	48.983	1.00	0.00	H
ATOM	1055	H5'1	C B	15	-44.541	16.046	51.823	1.00	0.00	H
ATOM	1056	H5'2	C B	15	-43.854	17.511	52.559	1.00	0.00	H
ATOM	1057	C1'	G B	16	-46.968	19.044	44.315	1.00	0.00	C
ATOM	1058	N1	G B	16	-51.069	16.041	44.737	1.00	0.00	N

ATOM	1059	C2	G B	16	-50.201	16.214	43.673	1.00	0.00	C
ATOM	1060	N2	G B	16	-50.462	15.493	42.576	1.00	0.00	N
ATOM	1061	N3	G B	16	-49.157	17.040	43.703	1.00	0.00	N
ATOM	1062	C4	G B	16	-49.049	17.694	44.890	1.00	0.00	C
ATOM	1063	C5	G B	16	-49.868	17.589	46.001	1.00	0.00	C
ATOM	1064	C6	G B	16	-50.975	16.708	45.972	1.00	0.00	C
ATOM	1065	O6	G B	16	-51.807	16.480	46.850	1.00	0.00	O
ATOM	1066	N7	G B	16	-49.414	18.433	47.017	1.00	0.00	N
ATOM	1067	C8	G B	16	-48.358	19.009	46.502	1.00	0.00	C
ATOM	1068	N9	G B	16	-48.073	18.612	45.211	1.00	0.00	N
ATOM	1069	C2'	G B	16	-46.624	20.523	44.434	1.00	0.00	C
ATOM	1070	C3'	G B	16	-45.116	20.515	44.240	1.00	0.00	C
ATOM	1071	O3'	G B	16	-44.824	20.529	42.845	1.00	0.00	O
ATOM	1072	C4'	G B	16	-44.694	19.206	44.906	1.00	0.00	C
ATOM	1073	O4'	G B	16	-45.816	18.299	44.659	1.00	0.00	O
ATOM	1074	C5'	G B	16	-44.436	19.262	46.393	1.00	0.00	C
ATOM	1075	O5'	G B	16	-45.372	20.173	47.020	1.00	0.00	O
ATOM	1076	O1P	G B	16	-43.904	22.042	47.847	1.00	0.00	O
ATOM	1077	O2P	G B	16	-46.071	21.542	49.007	1.00	0.00	O
ATOM	1078	P	G B	16	-44.887	21.030	48.275	1.00	0.00	P
ATOM	1079	H1	G B	16	-51.844	15.371	44.614	1.00	0.00	H
ATOM	1080	H8	G B	16	-47.757	19.737	47.044	1.00	0.00	H
ATOM	1081	H1'	G B	16	-47.238	18.788	43.290	1.00	0.00	H
ATOM	1082	H21	G B	16	-51.270	14.853	42.562	1.00	0.00	H
ATOM	1083	H3'	G B	16	-44.638	21.371	44.718	1.00	0.00	H
ATOM	1084	H22	G B	16	-49.855	15.578	41.749	1.00	0.00	H
ATOM	1085	H4'	G B	16	-43.773	18.886	44.419	1.00	0.00	H
ATOM	1086	H2'1	G B	16	-46.897	20.933	45.407	1.00	0.00	H
ATOM	1087	H2'2	G B	16	-47.119	21.126	43.673	1.00	0.00	H
ATOM	1088	H5'1	G B	16	-44.554	18.264	46.814	1.00	0.00	H
ATOM	1089	H5'2	G B	16	-43.416	19.606	46.565	1.00	0.00	H
ATOM	1090	C1'	G B	17	-49.626	19.247	40.141	1.00	0.00	C
ATOM	1091	N1	G B	17	-53.484	17.926	43.206	1.00	0.00	N
ATOM	1092	C2	G B	17	-53.162	17.475	41.938	1.00	0.00	C
ATOM	1093	N2	G B	17	-53.977	16.550	41.418	1.00	0.00	N
ATOM	1094	N3	G B	17	-52.111	17.910	41.247	1.00	0.00	N
ATOM	1095	C4	G B	17	-51.401	18.851	41.924	1.00	0.00	C
ATOM	1096	C5	G B	17	-51.648	19.363	43.186	1.00	0.00	C
ATOM	1097	C6	G B	17	-52.761	18.899	43.922	1.00	0.00	C
ATOM	1098	O6	G B	17	-53.142	19.229	45.046	1.00	0.00	O
ATOM	1099	N7	G B	17	-50.681	20.315	43.519	1.00	0.00	N
ATOM	1100	C8	G B	17	-49.895	20.345	42.474	1.00	0.00	C
ATOM	1101	N9	G B	17	-50.268	19.484	41.463	1.00	0.00	N
ATOM	1102	C2'	G B	17	-49.066	20.508	39.497	1.00	0.00	C
ATOM	1103	C3'	G B	17	-47.816	19.984	38.806	1.00	0.00	C
ATOM	1104	O3'	G B	17	-48.173	19.455	37.531	1.00	0.00	O
ATOM	1105	C4'	G B	17	-47.327	18.901	39.765	1.00	0.00	C
ATOM	1106	O4'	G B	17	-48.554	18.345	40.337	1.00	0.00	O
ATOM	1107	C5'	G B	17	-46.432	19.357	40.893	1.00	0.00	C
ATOM	1108	O5'	G B	17	-46.861	20.659	41.363	1.00	0.00	O
ATOM	1109	O1P	G B	17	-44.937	22.161	40.748	1.00	0.00	O
ATOM	1110	O2P	G B	17	-46.411	22.744	42.693	1.00	0.00	O
ATOM	1111	P	G B	17	-45.758	21.690	41.880	1.00	0.00	P
ATOM	1112	H1	G B	17	-54.317	17.520	43.659	1.00	0.00	H

ATOM	1113	H8	G B	17	-49.022	20.993	42.407	1.00	0.00	H
ATOM	1114	H1'	G B	17	-50.354	18.766	39.489	1.00	0.00	H
ATOM	1115	H21	G B	17	-54.787	16.214	41.960	1.00	0.00	H
ATOM	1116	H3'	G B	17	-47.064	20.762	38.676	1.00	0.00	H
ATOM	1117	H22	G B	17	-53.794	16.174	40.476	1.00	0.00	H
ATOM	1118	H4'	G B	17	-46.770	18.178	39.170	1.00	0.00	H
ATOM	1119	H2'1	G B	17	-48.821	21.274	40.232	1.00	0.00	H
ATOM	1120	H2'2	G B	17	-49.759	20.950	38.782	1.00	0.00	H
ATOM	1121	H5'1	G B	17	-46.487	18.635	41.707	1.00	0.00	H
ATOM	1122	H5'2	G B	17	-45.405	19.414	40.533	1.00	0.00	H
ATOM	1123	C1'	C B	18	-53.802	18.870	37.505	1.00	0.00	C
ATOM	1124	N1	C B	18	-53.757	19.702	38.739	1.00	0.00	N
ATOM	1125	C2	C B	18	-54.738	19.488	39.705	1.00	0.00	C
ATOM	1126	O2	C B	18	-55.599	18.623	39.501	1.00	0.00	O
ATOM	1127	N3	C B	18	-54.715	20.236	40.834	1.00	0.00	N
ATOM	1128	C4	C B	18	-53.769	21.165	41.026	1.00	0.00	C
ATOM	1129	N4	C B	18	-53.794	21.866	42.150	1.00	0.00	N
ATOM	1130	C5	C B	18	-52.752	21.407	40.048	1.00	0.00	C
ATOM	1131	C6	C B	18	-52.792	20.642	38.920	1.00	0.00	C
ATOM	1132	C2'	C B	18	-53.421	19.627	36.239	1.00	0.00	C
ATOM	1133	C3'	C B	18	-52.686	18.561	35.441	1.00	0.00	C
ATOM	1134	O3'	C B	18	-53.636	17.776	34.724	1.00	0.00	O
ATOM	1135	C4'	C B	18	-51.974	17.756	36.526	1.00	0.00	C
ATOM	1136	O4'	C B	18	-52.884	17.806	37.671	1.00	0.00	O
ATOM	1137	C5'	C B	18	-50.621	18.266	36.962	1.00	0.00	C
ATOM	1138	O5'	C B	18	-50.621	19.716	36.960	1.00	0.00	O
ATOM	1139	O1P	C B	18	-48.983	20.296	35.138	1.00	0.00	O
ATOM	1140	O2P	C B	18	-49.358	21.888	37.041	1.00	0.00	O
ATOM	1141	P	C B	18	-49.277	20.483	36.573	1.00	0.00	P
ATOM	1142	H5	C B	18	-51.982	22.165	40.198	1.00	0.00	H
ATOM	1143	H6	C B	18	-52.036	20.788	38.150	1.00	0.00	H
ATOM	1144	H1'	C B	18	-54.800	18.442	37.419	1.00	0.00	H
ATOM	1145	H3'	C B	18	-51.973	18.995	34.741	1.00	0.00	H
ATOM	1146	H4'	C B	18	-51.837	16.748	36.134	1.00	0.00	H
ATOM	1147	H41	C B	18	-53.077	22.586	42.324	1.00	0.00	H
ATOM	1148	H42	C B	18	-54.528	21.690	42.851	1.00	0.00	H
ATOM	1149	H2'1	C B	18	-52.778	20.481	36.447	1.00	0.00	H
ATOM	1150	H2'2	C B	18	-54.294	19.997	35.701	1.00	0.00	H
ATOM	1151	H5'1	C B	18	-50.406	17.900	37.966	1.00	0.00	H
ATOM	1152	H5'2	C B	18	-49.861	17.897	36.276	1.00	0.00	H
ATOM	1153	C1'	C B	19	-58.721	18.932	36.933	1.00	0.00	C
ATOM	1154	N1	C B	19	-58.022	20.065	37.598	1.00	0.00	N
ATOM	1155	C2	C B	19	-58.492	20.484	38.842	1.00	0.00	C
ATOM	1156	O2	C B	19	-59.463	19.900	39.340	1.00	0.00	O
ATOM	1157	N3	C B	19	-57.869	21.514	39.462	1.00	0.00	N
ATOM	1158	C4	C B	19	-56.819	22.125	38.896	1.00	0.00	C
ATOM	1159	N4	C B	19	-56.248	23.125	39.547	1.00	0.00	N
ATOM	1160	C5	C B	19	-56.318	21.716	37.620	1.00	0.00	C
ATOM	1161	C6	C B	19	-56.959	20.677	37.014	1.00	0.00	C
ATOM	1162	C2'	C B	19	-58.840	19.085	35.424	1.00	0.00	C
ATOM	1163	C3'	C B	19	-58.688	17.648	34.947	1.00	0.00	C
ATOM	1164	O3'	C B	19	-59.954	16.996	35.012	1.00	0.00	O
ATOM	1165	C4'	C B	19	-57.687	17.064	35.941	1.00	0.00	C
ATOM	1166	O4'	C B	19	-57.979	17.756	37.197	1.00	0.00	O

ATOM	1167	C5'	C B	19	-56.224	17.258	35.614	1.00	0.00	C
ATOM	1168	O5'	C B	19	-56.027	18.556	35.000	1.00	0.00	O
ATOM	1169	O1P	C B	19	-55.305	17.989	32.657	1.00	0.00	O
ATOM	1170	O2P	C B	19	-54.576	20.149	33.707	1.00	0.00	O
ATOM	1171	P	C B	19	-54.904	18.712	33.880	1.00	0.00	P
ATOM	1172	H5	C B	19	-55.466	22.211	37.154	1.00	0.00	H
ATOM	1173	H6	C B	19	-56.611	20.329	36.041	1.00	0.00	H
ATOM	1174	H1'	C B	19	-59.703	18.820	37.394	1.00	0.00	H
ATOM	1175	H3'	C B	19	-58.306	17.595	33.928	1.00	0.00	H
ATOM	1176	H4'	C B	19	-57.877	15.992	35.991	1.00	0.00	H
ATOM	1177	H41	C B	19	-55.438	23.613	39.137	1.00	0.00	H
ATOM	1178	H42	C B	19	-56.612	23.418	40.467	1.00	0.00	H
ATOM	1179	H2'1	C B	19	-58.061	19.724	35.009	1.00	0.00	H
ATOM	1180	H2'2	C B	19	-59.801	19.503	35.125	1.00	0.00	H
ATOM	1181	H5'1	C B	19	-55.640	17.190	36.531	1.00	0.00	H
ATOM	1182	H5'2	C B	19	-55.906	16.474	34.928	1.00	0.00	H
ATOM	1183	C1'	T B	20	-63.330	20.265	38.149	1.00	0.00	C
ATOM	1184	N1	T B	20	-62.268	21.295	37.999	1.00	0.00	N
ATOM	1185	C2	T B	20	-62.109	22.191	39.037	1.00	0.00	C
ATOM	1186	O2	T B	20	-62.795	22.163	40.044	1.00	0.00	O
ATOM	1187	N3	T B	20	-61.112	23.130	38.856	1.00	0.00	N
ATOM	1188	C4	T B	20	-60.284	23.249	37.761	1.00	0.00	C
ATOM	1189	O4	T B	20	-59.423	24.137	37.712	1.00	0.00	O
ATOM	1190	C5	T B	20	-60.524	22.270	36.729	1.00	0.00	C
ATOM	1191	C6	T B	20	-61.488	21.339	36.870	1.00	0.00	C
ATOM	1192	C7	T B	20	-59.645	22.361	35.518	1.00	0.00	C
ATOM	1193	C2'	T B	20	-64.067	19.951	36.852	1.00	0.00	C
ATOM	1194	C3'	T B	20	-64.332	18.459	36.991	1.00	0.00	C
ATOM	1195	O3'	T B	20	-65.523	18.263	37.751	1.00	0.00	O
ATOM	1196	C4'	T B	20	-63.089	17.961	37.725	1.00	0.00	C
ATOM	1197	O4'	T B	20	-62.716	19.073	38.599	1.00	0.00	O
ATOM	1198	C5'	T B	20	-61.899	17.603	36.865	1.00	0.00	C
ATOM	1199	O5'	T B	20	-61.812	18.519	35.743	1.00	0.00	O
ATOM	1200	O1P	T B	20	-62.256	17.045	33.752	1.00	0.00	O
ATOM	1201	O2P	T B	20	-60.861	19.115	33.495	1.00	0.00	O
ATOM	1202	P	T B	20	-61.272	17.972	34.347	1.00	0.00	P
ATOM	1203	H3	T B	20	-60.973	23.810	39.616	1.00	0.00	H
ATOM	1204	H6	T B	20	-61.651	20.609	36.077	1.00	0.00	H
ATOM	1205	H1'	T B	20	-64.023	20.597	38.921	1.00	0.00	H
ATOM	1206	H3'	T B	20	-64.439	17.973	36.022	1.00	0.00	H
ATOM	1207	H4'	T B	20	-63.383	17.066	38.274	1.00	0.00	H
ATOM	1208	H3T	T B	20	-66.293	18.736	37.431	1.00	0.00	H
ATOM	1209	H71	T B	20	-60.247	22.627	34.650	1.00	0.00	H
ATOM	1210	H72	T B	20	-58.882	23.125	35.679	1.00	0.00	H
ATOM	1211	H73	T B	20	-59.162	21.399	35.344	1.00	0.00	H
ATOM	1212	H2'1	T B	20	-63.465	20.167	35.972	1.00	0.00	H
ATOM	1213	H2'2	T B	20	-64.998	20.512	36.760	1.00	0.00	H
ATOM	1214	H5'1	T B	20	-60.991	17.666	37.464	1.00	0.00	H
ATOM	1215	H5'2	T B	20	-62.017	16.584	36.499	1.00	0.00	H
TER										
ATOM	1	C1'	A A	1	-64.940	-10.344	28.219	1.00	0.00	C
ATOM	2	N1	A A	1	-61.806	-10.172	24.159	1.00	0.00	N
ATOM	3	C2	A A	1	-62.450	-11.171	24.755	1.00	0.00	C
ATOM	4	N3	A A	1	-63.249	-11.145	25.801	1.00	0.00	N

ATOM	5	C4	A A	1	-63.364	-9.889	26.269	1.00	0.00	C
ATOM	6	C5	A A	1	-62.771	-8.761	25.776	1.00	0.00	C
ATOM	7	C6	A A	1	-61.940	-8.930	24.648	1.00	0.00	C
ATOM	8	N6	A A	1	-61.292	-7.912	24.055	1.00	0.00	N
ATOM	9	N7	A A	1	-63.123	-7.647	26.517	1.00	0.00	N
ATOM	10	C8	A A	1	-63.912	-8.122	27.436	1.00	0.00	C
ATOM	11	N9	A A	1	-64.106	-9.475	27.347	1.00	0.00	N
ATOM	12	C2'	A A	1	-64.907	-9.951	29.689	1.00	0.00	C
ATOM	13	C3'	A A	1	-66.329	-10.258	30.131	1.00	0.00	C
ATOM	14	O3'	A A	1	-66.426	-11.639	30.471	1.00	0.00	O
ATOM	15	C4'	A A	1	-67.154	-9.908	28.893	1.00	0.00	C
ATOM	16	O4'	A A	1	-66.278	-10.248	27.770	1.00	0.00	O
ATOM	17	C5'	A A	1	-67.578	-8.466	28.756	1.00	0.00	C
ATOM	18	O5'	A A	1	-66.528	-7.595	29.248	1.00	0.00	O
ATOM	19	H2	A A	1	-62.296	-12.154	24.312	1.00	0.00	H
ATOM	20	H8	A A	1	-64.376	-7.501	28.203	1.00	0.00	H
ATOM	21	H1'	A A	1	-64.615	-11.376	28.083	1.00	0.00	H
ATOM	22	H3'	A A	1	-66.631	-9.653	30.988	1.00	0.00	H
ATOM	23	H4'	A A	1	-68.055	-10.519	28.931	1.00	0.00	H
ATOM	24	H61	A A	1	-60.700	-8.089	23.234	1.00	0.00	H
ATOM	25	H62	A A	1	-61.392	-6.956	24.425	1.00	0.00	H
ATOM	26	H5T	A A	1	-66.773	-6.775	29.681	1.00	0.00	H
ATOM	27	H2'1	A A	1	-64.667	-8.898	29.831	1.00	0.00	H
ATOM	28	H2'2	A A	1	-64.182	-10.534	30.257	1.00	0.00	H
ATOM	29	H5'1	A A	1	-67.774	-8.249	27.706	1.00	0.00	H
ATOM	30	H5'2	A A	1	-68.489	-8.304	29.330	1.00	0.00	H
ATOM	31	C1'	G A	2	-61.752	-14.148	28.348	1.00	0.00	C
ATOM	32	N1	G A	2	-58.809	-11.064	25.548	1.00	0.00	N
ATOM	33	C2	G A	2	-59.058	-12.416	25.411	1.00	0.00	C
ATOM	34	N2	G A	2	-58.440	-13.030	24.395	1.00	0.00	N
ATOM	35	N3	G A	2	-59.860	-13.103	26.223	1.00	0.00	N
ATOM	36	C4	G A	2	-60.396	-12.324	27.199	1.00	0.00	C
ATOM	37	C5	G A	2	-60.203	-10.969	27.414	1.00	0.00	C
ATOM	38	C6	G A	2	-59.354	-10.240	26.549	1.00	0.00	C
ATOM	39	O6	G A	2	-59.062	-9.044	26.575	1.00	0.00	O
ATOM	40	N7	G A	2	-60.935	-10.548	28.526	1.00	0.00	N
ATOM	41	C8	G A	2	-61.537	-11.634	28.938	1.00	0.00	C
ATOM	42	N9	G A	2	-61.259	-12.755	28.183	1.00	0.00	N
ATOM	43	C2'	G A	2	-61.883	-14.586	29.801	1.00	0.00	C
ATOM	44	C3'	G A	2	-63.116	-15.472	29.757	1.00	0.00	C
ATOM	45	O3'	G A	2	-62.734	-16.788	29.363	1.00	0.00	O
ATOM	46	C4'	G A	2	-63.990	-14.787	28.707	1.00	0.00	C
ATOM	47	O4'	G A	2	-63.033	-14.226	27.753	1.00	0.00	O
ATOM	48	C5'	G A	2	-64.887	-13.677	29.202	1.00	0.00	C
ATOM	49	O5'	G A	2	-64.212	-12.929	30.244	1.00	0.00	O
ATOM	50	O1P	G A	2	-65.592	-13.412	32.293	1.00	0.00	O
ATOM	51	O2P	G A	2	-64.298	-11.269	32.128	1.00	0.00	O
ATOM	52	P	G A	2	-65.080	-12.324	31.438	1.00	0.00	P
ATOM	53	H1	G A	2	-58.175	-10.627	24.864	1.00	0.00	H
ATOM	54	H8	G A	2	-62.201	-11.652	29.802	1.00	0.00	H
ATOM	55	H1'	G A	2	-61.086	-14.814	27.799	1.00	0.00	H
ATOM	56	H21	G A	2	-57.822	-12.493	23.770	1.00	0.00	H
ATOM	57	H3'	G A	2	-63.622	-15.516	30.722	1.00	0.00	H
ATOM	58	H22	G A	2	-58.583	-14.038	24.241	1.00	0.00	H

ATOM	59	H4'	G A	2	-64.624	-15.558	28.271	1.00	0.00	H
ATOM	60	H2'1	G A	2	-62.025	-13.741	30.475	1.00	0.00	H
ATOM	61	H2'2	G A	2	-61.008	-15.138	30.147	1.00	0.00	H
ATOM	62	H5'1	G A	2	-65.129	-13.015	28.371	1.00	0.00	H
ATOM	63	H5'2	G A	2	-65.807	-14.110	29.594	1.00	0.00	H
ATOM	64	C1'	G A	3	-57.482	-16.420	27.284	1.00	0.00	C
ATOM	65	N1	G A	3	-55.705	-11.657	26.870	1.00	0.00	N
ATOM	66	C2	G A	3	-55.479	-12.761	26.069	1.00	0.00	C
ATOM	67	N2	G A	3	-54.669	-12.572	25.020	1.00	0.00	N
ATOM	68	N3	G A	3	-56.016	-13.957	26.297	1.00	0.00	N
ATOM	69	C4	G A	3	-56.803	-13.968	27.405	1.00	0.00	C
ATOM	70	C5	G A	3	-57.084	-12.918	28.263	1.00	0.00	C
ATOM	71	C6	G A	3	-56.516	-11.646	28.019	1.00	0.00	C
ATOM	72	O6	G A	3	-56.646	-10.602	28.659	1.00	0.00	O
ATOM	73	N7	G A	3	-57.936	-13.344	29.283	1.00	0.00	N
ATOM	74	C8	G A	3	-58.143	-14.607	29.016	1.00	0.00	C
ATOM	75	N9	G A	3	-57.487	-15.060	27.890	1.00	0.00	N
ATOM	76	C2'	G A	3	-57.484	-17.548	28.307	1.00	0.00	C
ATOM	77	C3'	G A	3	-58.343	-18.597	27.622	1.00	0.00	C
ATOM	78	O3'	G A	3	-57.530	-19.362	26.735	1.00	0.00	O
ATOM	79	C4'	G A	3	-59.377	-17.756	26.875	1.00	0.00	C
ATOM	80	O4'	G A	3	-58.649	-16.545	26.495	1.00	0.00	O
ATOM	81	C5'	G A	3	-60.606	-17.355	27.656	1.00	0.00	C
ATOM	82	O5'	G A	3	-60.246	-17.082	29.033	1.00	0.00	O
ATOM	83	O1P	G A	3	-61.419	-18.902	30.316	1.00	0.00	O
ATOM	84	O2P	G A	3	-60.925	-16.706	31.423	1.00	0.00	O
ATOM	85	P	G A	3	-61.289	-17.439	30.186	1.00	0.00	P
ATOM	86	H1	G A	3	-55.244	-10.774	26.603	1.00	0.00	H
ATOM	87	H8	G A	3	-58.777	-15.247	29.629	1.00	0.00	H
ATOM	88	H1'	G A	3	-56.619	-16.495	26.622	1.00	0.00	H
ATOM	89	H21	G A	3	-54.258	-11.642	24.848	1.00	0.00	H
ATOM	90	H3'	G A	3	-58.823	-19.265	28.338	1.00	0.00	H
ATOM	91	H22	G A	3	-54.458	-13.355	24.386	1.00	0.00	H
ATOM	92	H4'	G A	3	-59.704	-18.343	26.018	1.00	0.00	H
ATOM	93	H2'1	G A	3	-57.917	-17.241	29.259	1.00	0.00	H
ATOM	94	H2'2	G A	3	-56.481	-17.925	28.510	1.00	0.00	H
ATOM	95	H5'1	G A	3	-61.042	-16.465	27.205	1.00	0.00	H
ATOM	96	H5'2	G A	3	-61.333	-18.167	27.619	1.00	0.00	H
ATOM	97	C1'	C A	4	-52.675	-16.523	26.096	1.00	0.00	C
ATOM	98	N1	C A	4	-53.150	-15.718	27.255	1.00	0.00	N
ATOM	99	C2	C A	4	-52.766	-14.380	27.319	1.00	0.00	C
ATOM	100	O2	C A	4	-52.052	-13.919	26.420	1.00	0.00	O
ATOM	101	N3	C A	4	-53.189	-13.630	28.366	1.00	0.00	N
ATOM	102	C4	C A	4	-53.960	-14.158	29.325	1.00	0.00	C
ATOM	103	N4	C A	4	-54.346	-13.378	30.324	1.00	0.00	N
ATOM	104	C5	C A	4	-54.367	-15.531	29.284	1.00	0.00	C
ATOM	105	C6	C A	4	-53.933	-16.267	28.220	1.00	0.00	C
ATOM	106	C2'	C A	4	-52.313	-17.958	26.453	1.00	0.00	C
ATOM	107	C3'	C A	4	-52.756	-18.716	25.210	1.00	0.00	C
ATOM	108	O3'	C A	4	-51.716	-18.664	24.235	1.00	0.00	O
ATOM	109	C4'	C A	4	-54.000	-17.948	24.770	1.00	0.00	C
ATOM	110	O4'	C A	4	-53.719	-16.561	25.141	1.00	0.00	O
ATOM	111	C5'	C A	4	-55.305	-18.363	25.407	1.00	0.00	C
ATOM	112	O5'	C A	4	-55.080	-18.729	26.792	1.00	0.00	O

ATOM	113	O1P	C A	4	-55.590	-21.193	26.835	1.00	0.00	O
ATOM	114	O2P	C A	4	-55.886	-19.815	28.910	1.00	0.00	O
ATOM	115	P	C A	4	-55.961	-19.895	27.431	1.00	0.00	P
ATOM	116	H5	C A	4	-54.990	-15.967	30.065	1.00	0.00	H
ATOM	117	H6	C A	4	-54.221	-17.315	28.143	1.00	0.00	H
ATOM	118	H1'	C A	4	-51.828	-16.006	25.647	1.00	0.00	H
ATOM	119	H3'	C A	4	-52.992	-19.757	25.431	1.00	0.00	H
ATOM	120	H4'	C A	4	-54.095	-18.090	23.693	1.00	0.00	H
ATOM	121	H41	C A	4	-54.941	-13.759	31.074	1.00	0.00	H
ATOM	122	H42	C A	4	-54.051	-12.391	30.352	1.00	0.00	H
ATOM	123	H2'1	C A	4	-52.839	-18.310	27.339	1.00	0.00	H
ATOM	124	H2'2	C A	4	-51.244	-18.082	26.635	1.00	0.00	H
ATOM	125	H5'1	C A	4	-56.010	-17.533	25.355	1.00	0.00	H
ATOM	126	H5'2	C A	4	-55.714	-19.214	24.863	1.00	0.00	H
ATOM	127	C1'	C A	5	-48.096	-14.645	25.921	1.00	0.00	C
ATOM	128	N1	C A	5	-48.837	-14.710	27.211	1.00	0.00	N
ATOM	129	C2	C A	5	-48.931	-13.544	27.967	1.00	0.00	C
ATOM	130	O2	C A	5	-48.399	-12.509	27.542	1.00	0.00	O
ATOM	131	N3	C A	5	-49.603	-13.581	29.144	1.00	0.00	N
ATOM	132	C4	C A	5	-50.167	-14.714	29.579	1.00	0.00	C
ATOM	133	N4	C A	5	-50.814	-14.693	30.734	1.00	0.00	N
ATOM	134	C5	C A	5	-50.084	-15.928	28.822	1.00	0.00	C
ATOM	135	C6	C A	5	-49.407	-15.866	27.640	1.00	0.00	C
ATOM	136	C2'	C A	5	-47.276	-15.892	25.622	1.00	0.00	C
ATOM	137	C3'	C A	5	-47.413	-16.006	24.112	1.00	0.00	C
ATOM	138	O3'	C A	5	-46.434	-15.177	23.490	1.00	0.00	O
ATOM	139	C4'	C A	5	-48.834	-15.510	23.861	1.00	0.00	C
ATOM	140	O4'	C A	5	-49.047	-14.488	24.885	1.00	0.00	O
ATOM	141	C5'	C A	5	-49.934	-16.541	23.970	1.00	0.00	C
ATOM	142	O5'	C A	5	-49.625	-17.476	25.036	1.00	0.00	O
ATOM	143	O1P	C A	5	-49.270	-19.649	23.818	1.00	0.00	O
ATOM	144	O2P	C A	5	-50.055	-19.660	26.201	1.00	0.00	O
ATOM	145	P	C A	5	-50.070	-18.998	24.873	1.00	0.00	P
ATOM	146	H5	C A	5	-50.538	-16.855	29.174	1.00	0.00	H
ATOM	147	H6	C A	5	-49.321	-16.763	27.026	1.00	0.00	H
ATOM	148	H1'	C A	5	-47.466	-13.756	25.935	1.00	0.00	H
ATOM	149	H3'	C A	5	-47.286	-17.033	23.767	1.00	0.00	H
ATOM	150	H4'	C A	5	-48.855	-15.110	22.847	1.00	0.00	H
ATOM	151	H41	C A	5	-51.259	-15.551	31.091	1.00	0.00	H
ATOM	152	H42	C A	5	-50.871	-13.819	31.277	1.00	0.00	H
ATOM	153	H2'1	C A	5	-47.669	-16.776	26.123	1.00	0.00	H
ATOM	154	H2'2	C A	5	-46.232	-15.782	25.920	1.00	0.00	H
ATOM	155	H5'1	C A	5	-50.877	-16.037	24.185	1.00	0.00	H
ATOM	156	H5'2	C A	5	-50.019	-17.075	23.025	1.00	0.00	H
ATOM	157	C1'	G A	6	-44.422	-11.729	27.511	1.00	0.00	C
ATOM	158	N1	G A	6	-46.844	-12.076	31.988	1.00	0.00	N
ATOM	159	C2	G A	6	-46.269	-10.977	31.372	1.00	0.00	C
ATOM	160	N2	G A	6	-46.346	-9.820	32.038	1.00	0.00	N
ATOM	161	N3	G A	6	-45.664	-11.033	30.186	1.00	0.00	N
ATOM	162	C4	G A	6	-45.671	-12.285	29.660	1.00	0.00	C
ATOM	163	C5	G A	6	-46.216	-13.437	30.203	1.00	0.00	C
ATOM	164	C6	G A	6	-46.861	-13.380	31.458	1.00	0.00	C
ATOM	165	O6	G A	6	-47.399	-14.284	32.097	1.00	0.00	O
ATOM	166	N7	G A	6	-46.009	-14.519	29.345	1.00	0.00	N

ATOM	167	C8	G A	6	-45.365	-14.001	28.332	1.00	0.00	C
ATOM	168	N9	G A	6	-45.121	-12.648	28.450	1.00	0.00	N
ATOM	169	C2'	G A	6	-43.224	-12.358	26.815	1.00	0.00	C
ATOM	170	C3'	G A	6	-43.285	-11.720	25.437	1.00	0.00	C
ATOM	171	O3'	G A	6	-42.634	-10.452	25.477	1.00	0.00	O
ATOM	172	C4'	G A	6	-44.787	-11.591	25.189	1.00	0.00	C
ATOM	173	O4'	G A	6	-45.350	-11.341	26.516	1.00	0.00	O
ATOM	174	C5'	G A	6	-45.475	-12.794	24.590	1.00	0.00	C
ATOM	175	O5'	G A	6	-44.888	-14.009	25.119	1.00	0.00	O
ATOM	176	O1P	G A	6	-43.797	-15.054	23.107	1.00	0.00	O
ATOM	177	O2P	G A	6	-44.575	-16.500	25.004	1.00	0.00	O
ATOM	178	P	G A	6	-44.789	-15.289	24.173	1.00	0.00	P
ATOM	179	H1	G A	6	-47.294	-11.925	32.904	1.00	0.00	H
ATOM	180	H8	G A	6	-45.046	-14.585	27.468	1.00	0.00	H
ATOM	181	H1'	G A	6	-44.129	-10.835	28.063	1.00	0.00	H
ATOM	182	H21	G A	6	-46.819	-9.783	32.953	1.00	0.00	H
ATOM	183	H3'	G A	6	-42.813	-12.343	24.676	1.00	0.00	H
ATOM	184	H22	G A	6	-45.936	-8.965	31.635	1.00	0.00	H
ATOM	185	H4'	G A	6	-44.924	-10.754	24.505	1.00	0.00	H
ATOM	186	H2'1	G A	6	-43.304	-13.444	26.753	1.00	0.00	H
ATOM	187	H2'2	G A	6	-42.284	-12.128	27.318	1.00	0.00	H
ATOM	188	H5'1	G A	6	-46.535	-12.760	24.835	1.00	0.00	H
ATOM	189	H5'2	G A	6	-45.358	-12.770	23.506	1.00	0.00	H
ATOM	190	C1'	C A	7	-41.985	-9.115	30.939	1.00	0.00	C
ATOM	191	N1	C A	7	-42.351	-10.535	31.191	1.00	0.00	N
ATOM	192	C2	C A	7	-43.026	-10.833	32.373	1.00	0.00	C
ATOM	193	O2	C A	7	-43.290	-9.915	33.160	1.00	0.00	O
ATOM	194	N3	C A	7	-43.369	-12.121	32.622	1.00	0.00	N
ATOM	195	C4	C A	7	-43.069	-13.094	31.753	1.00	0.00	C
ATOM	196	N4	C A	7	-43.431	-14.335	32.045	1.00	0.00	N
ATOM	197	C5	C A	7	-42.372	-12.817	30.531	1.00	0.00	C
ATOM	198	C6	C A	7	-42.040	-11.512	30.298	1.00	0.00	C
ATOM	199	C2'	C A	7	-40.628	-8.940	30.269	1.00	0.00	C
ATOM	200	C3'	C A	7	-40.874	-7.743	29.363	1.00	0.00	C
ATOM	201	O3'	C A	7	-40.691	-6.544	30.113	1.00	0.00	O
ATOM	202	C4'	C A	7	-42.324	-7.938	28.928	1.00	0.00	C
ATOM	203	O4'	C A	7	-42.969	-8.561	30.085	1.00	0.00	O
ATOM	204	C5'	C A	7	-42.550	-8.816	27.719	1.00	0.00	C
ATOM	205	O5'	C A	7	-41.597	-9.908	27.721	1.00	0.00	O
ATOM	206	O1P	C A	7	-40.172	-9.444	25.698	1.00	0.00	O
ATOM	207	O2P	C A	7	-40.457	-11.797	26.520	1.00	0.00	O
ATOM	208	P	C A	7	-41.050	-10.453	26.326	1.00	0.00	P
ATOM	209	H5	C A	7	-42.119	-13.606	29.822	1.00	0.00	H
ATOM	210	H6	C A	7	-41.517	-11.250	29.379	1.00	0.00	H
ATOM	211	H1'	C A	7	-42.024	-8.578	31.887	1.00	0.00	H
ATOM	212	H3'	C A	7	-40.201	-7.738	28.504	1.00	0.00	H
ATOM	213	H4'	C A	7	-42.721	-6.949	28.700	1.00	0.00	H
ATOM	214	H41	C A	7	-43.214	-15.102	31.392	1.00	0.00	H
ATOM	215	H42	C A	7	-43.929	-14.534	32.924	1.00	0.00	H
ATOM	216	H2'1	C A	7	-40.334	-9.818	29.695	1.00	0.00	H
ATOM	217	H2'2	C A	7	-39.834	-8.738	30.989	1.00	0.00	H
ATOM	218	H5'1	C A	7	-43.566	-9.213	27.748	1.00	0.00	H
ATOM	219	H5'2	C A	7	-42.424	-8.220	26.815	1.00	0.00	H
ATOM	220	C1'	A A	8	-40.634	-8.006	35.570	1.00	0.00	C

ATOM	221	N1	A A	8	-41.731	-12.941	36.460	1.00	0.00	N
ATOM	222	C2	A A	8	-41.985	-11.827	37.141	1.00	0.00	C
ATOM	223	N3	A A	8	-41.676	-10.581	36.852	1.00	0.00	N
ATOM	224	C4	A A	8	-41.003	-10.527	35.687	1.00	0.00	C
ATOM	225	C5	A A	8	-40.664	-11.571	34.873	1.00	0.00	C
ATOM	226	C6	A A	8	-41.061	-12.855	35.301	1.00	0.00	C
ATOM	227	N6	A A	8	-40.798	-13.974	34.605	1.00	0.00	N
ATOM	228	N7	A A	8	-39.975	-11.131	33.756	1.00	0.00	N
ATOM	229	C8	A A	8	-39.909	-9.842	33.919	1.00	0.00	C
ATOM	230	N9	A A	8	-40.514	-9.402	35.069	1.00	0.00	N
ATOM	231	C2'	A A	8	-39.401	-7.152	35.311	1.00	0.00	C
ATOM	232	C3'	A A	8	-40.012	-5.788	35.034	1.00	0.00	C
ATOM	233	O3'	A A	8	-40.250	-5.124	36.272	1.00	0.00	O
ATOM	234	C4'	A A	8	-41.310	-6.138	34.308	1.00	0.00	C
ATOM	235	O4'	A A	8	-41.731	-7.405	34.910	1.00	0.00	O
ATOM	236	C5'	A A	8	-41.212	-6.322	32.812	1.00	0.00	C
ATOM	237	O5'	A A	8	-39.952	-6.957	32.477	1.00	0.00	O
ATOM	238	O1P	A A	8	-38.728	-5.173	31.189	1.00	0.00	O
ATOM	239	O2P	A A	8	-38.231	-7.596	30.762	1.00	0.00	O
ATOM	240	P	A A	8	-39.232	-6.558	31.110	1.00	0.00	P
ATOM	241	H2	A A	8	-42.530	-11.966	38.073	1.00	0.00	H
ATOM	242	H8	A A	8	-39.420	-9.174	33.210	1.00	0.00	H
ATOM	243	H1'	A A	8	-40.865	-8.046	36.635	1.00	0.00	H
ATOM	244	H3'	A A	8	-39.367	-5.170	34.411	1.00	0.00	H
ATOM	245	H4'	A A	8	-42.008	-5.324	34.498	1.00	0.00	H
ATOM	246	H61	A A	8	-41.112	-14.887	34.960	1.00	0.00	H
ATOM	247	H62	A A	8	-40.281	-13.916	33.715	1.00	0.00	H
ATOM	248	H2'1	A A	8	-38.824	-7.508	34.458	1.00	0.00	H
ATOM	249	H2'2	A A	8	-38.732	-7.121	36.170	1.00	0.00	H
ATOM	250	H5'1	A A	8	-42.040	-6.947	32.475	1.00	0.00	H
ATOM	251	H5'2	A A	8	-41.275	-5.350	32.326	1.00	0.00	H
ATOM	252	C1'	C A	9	-39.838	-9.109	40.347	1.00	0.00	C
ATOM	253	N1	C A	9	-39.234	-9.942	39.271	1.00	0.00	N
ATOM	254	C2	C A	9	-39.421	-11.322	39.330	1.00	0.00	C
ATOM	255	O2	C A	9	-40.075	-11.795	40.268	1.00	0.00	O
ATOM	256	N3	C A	9	-38.879	-12.097	38.360	1.00	0.00	N
ATOM	257	C4	C A	9	-38.174	-11.555	37.358	1.00	0.00	C
ATOM	258	N4	C A	9	-37.670	-12.360	36.434	1.00	0.00	N
ATOM	259	C5	C A	9	-37.962	-10.139	37.273	1.00	0.00	C
ATOM	260	C6	C A	9	-38.521	-9.377	38.259	1.00	0.00	C
ATOM	261	C2'	C A	9	-38.970	-7.934	40.774	1.00	0.00	C
ATOM	262	C3'	C A	9	-40.009	-6.863	41.071	1.00	0.00	C
ATOM	263	O3'	C A	9	-40.487	-7.034	42.404	1.00	0.00	O
ATOM	264	C4'	C A	9	-41.090	-7.141	40.030	1.00	0.00	C
ATOM	265	O4'	C A	9	-41.062	-8.593	39.856	1.00	0.00	O
ATOM	266	C5'	C A	9	-40.904	-6.490	38.679	1.00	0.00	C
ATOM	267	O5'	C A	9	-39.495	-6.468	38.336	1.00	0.00	O
ATOM	268	O1P	C A	9	-38.934	-4.015	38.326	1.00	0.00	O
ATOM	269	O2P	C A	9	-37.623	-5.607	36.897	1.00	0.00	O
ATOM	270	P	C A	9	-38.928	-5.236	37.497	1.00	0.00	P
ATOM	271	H5	C A	9	-37.384	-9.694	36.462	1.00	0.00	H
ATOM	272	H6	C A	9	-38.395	-8.294	38.233	1.00	0.00	H
ATOM	273	H1'	C A	9	-40.063	-9.757	41.193	1.00	0.00	H
ATOM	274	H3'	C A	9	-39.602	-5.859	40.960	1.00	0.00	H

ATOM	275	H4'	C	A	9	-42.031	-6.780	40.446	1.00	0.00	H
ATOM	276	H41	C	A	9	-37.126	-11.969	35.651	1.00	0.00	H
ATOM	277	H42	C	A	9	-37.821	-13.377	36.499	1.00	0.00	H
ATOM	278	H2'1	C	A	9	-38.288	-7.615	39.987	1.00	0.00	H
ATOM	279	H2'2	C	A	9	-38.370	-8.162	41.656	1.00	0.00	H
ATOM	280	H5'1	C	A	9	-41.457	-7.054	37.929	1.00	0.00	H
ATOM	281	H5'2	C	A	9	-41.289	-5.471	38.717	1.00	0.00	H
ATOM	282	C1'	C	A	10	-38.805	-12.172	44.099	1.00	0.00	C
ATOM	283	N1	C	A	10	-37.934	-12.135	42.892	1.00	0.00	N
ATOM	284	C2	C	A	10	-37.644	-13.342	42.260	1.00	0.00	C
ATOM	285	O2	C	A	10	-38.116	-14.389	42.723	1.00	0.00	O
ATOM	286	N3	C	A	10	-36.853	-13.331	41.159	1.00	0.00	N
ATOM	287	C4	C	A	10	-36.354	-12.183	40.681	1.00	0.00	C
ATOM	288	N4	C	A	10	-35.589	-12.229	39.600	1.00	0.00	N
ATOM	289	C5	C	A	10	-36.633	-10.927	41.313	1.00	0.00	C
ATOM	290	C6	C	A	10	-37.436	-10.962	42.418	1.00	0.00	C
ATOM	291	C2'	C	A	10	-38.394	-11.184	45.182	1.00	0.00	C
ATOM	292	C3'	C	A	10	-39.740	-10.757	45.747	1.00	0.00	C
ATOM	293	O3'	C	A	10	-40.158	-11.706	46.727	1.00	0.00	O
ATOM	294	C4'	C	A	10	-40.643	-10.763	44.517	1.00	0.00	C
ATOM	295	O4'	C	A	10	-40.121	-11.850	43.689	1.00	0.00	O
ATOM	296	C5'	C	A	10	-40.663	-9.496	43.693	1.00	0.00	C
ATOM	297	O5'	C	A	10	-39.338	-8.906	43.669	1.00	0.00	O
ATOM	298	O1P	C	A	10	-39.642	-6.743	44.920	1.00	0.00	O
ATOM	299	O2P	C	A	10	-37.842	-6.947	43.184	1.00	0.00	O
ATOM	300	P	C	A	10	-39.206	-7.317	43.632	1.00	0.00	P
ATOM	301	H5	C	A	10	-36.224	-9.990	40.932	1.00	0.00	H
ATOM	302	H6	C	A	10	-37.683	-10.031	42.928	1.00	0.00	H
ATOM	303	H1'	C	A	10	-38.813	-13.192	44.482	1.00	0.00	H
ATOM	304	H3'	C	A	10	-39.696	-9.767	46.201	1.00	0.00	H
ATOM	305	H4'	C	A	10	-41.658	-10.944	44.870	1.00	0.00	H
ATOM	306	H41	C	A	10	-35.195	-11.360	39.211	1.00	0.00	H
ATOM	307	H42	C	A	10	-35.388	-13.133	39.150	1.00	0.00	H
ATOM	308	H2'1	C	A	10	-37.846	-10.333	44.780	1.00	0.00	H
ATOM	309	H2'2	C	A	10	-37.769	-11.647	45.948	1.00	0.00	H
ATOM	310	H5'1	C	A	10	-40.978	-9.734	42.676	1.00	0.00	H
ATOM	311	H5'2	C	A	10	-41.371	-8.795	44.132	1.00	0.00	H
ATOM	312	C1'	T	A	11	-36.879	-16.266	46.106	1.00	0.00	C
ATOM	313	N1	T	A	11	-36.043	-15.399	45.234	1.00	0.00	N
ATOM	314	C2	T	A	11	-35.368	-16.011	44.198	1.00	0.00	C
ATOM	315	O2	T	A	11	-35.435	-17.209	43.982	1.00	0.00	O
ATOM	316	N3	T	A	11	-34.604	-15.168	43.412	1.00	0.00	N
ATOM	317	C4	T	A	11	-34.458	-13.805	43.571	1.00	0.00	C
ATOM	318	O4	T	A	11	-33.740	-13.152	42.803	1.00	0.00	O
ATOM	319	C5	T	A	11	-35.201	-13.256	44.681	1.00	0.00	C
ATOM	320	C6	T	A	11	-35.956	-14.048	45.466	1.00	0.00	C
ATOM	321	C7	T	A	11	-35.073	-11.776	44.889	1.00	0.00	C
ATOM	322	C2'	T	A	11	-36.845	-15.874	47.578	1.00	0.00	C
ATOM	323	C3'	T	A	11	-38.268	-16.176	48.021	1.00	0.00	C
ATOM	324	O3'	T	A	11	-38.371	-17.557	48.360	1.00	0.00	O
ATOM	325	C4'	T	A	11	-39.090	-15.822	46.784	1.00	0.00	C
ATOM	326	O4'	T	A	11	-38.218	-16.165	45.660	1.00	0.00	O
ATOM	327	C5'	T	A	11	-39.510	-14.377	46.646	1.00	0.00	C
ATOM	328	O5'	T	A	11	-38.456	-13.512	47.139	1.00	0.00	O

ATOM	329	O1P	T A	11	-39.487	-12.433	49.165	1.00	0.00	O
ATOM	330	O2P	T A	11	-37.683	-11.243	47.891	1.00	0.00	O
ATOM	331	P	T A	11	-38.857	-12.149	47.861	1.00	0.00	P
ATOM	332	H3	T A	11	-34.094	-15.599	42.629	1.00	0.00	H
ATOM	333	H6	T A	11	-36.509	-13.610	46.298	1.00	0.00	H
ATOM	334	H1'	T A	11	-36.558	-17.299	45.970	1.00	0.00	H
ATOM	335	H3'	T A	11	-38.564	-15.572	48.877	1.00	0.00	H
ATOM	336	H4'	T A	11	-39.996	-16.430	46.821	1.00	0.00	H
ATOM	337	H71	T A	11	-34.568	-11.585	45.836	1.00	0.00	H
ATOM	338	H72	T A	11	-34.492	-11.343	44.074	1.00	0.00	H
ATOM	339	H73	T A	11	-36.064	-11.323	44.909	1.00	0.00	H
ATOM	340	H2'1	T A	11	-36.600	-14.823	47.719	1.00	0.00	H
ATOM	341	H2'2	T A	11	-36.119	-16.459	48.145	1.00	0.00	H
ATOM	342	H5'1	T A	11	-39.706	-14.159	45.597	1.00	0.00	H
ATOM	343	H5'2	T A	11	-40.420	-14.213	47.223	1.00	0.00	H
ATOM	344	C1'	A A	12	-33.707	-20.080	46.253	1.00	0.00	C
ATOM	345	N1	A A	12	-30.739	-16.998	43.419	1.00	0.00	N
ATOM	346	C2	A A	12	-31.018	-18.295	43.343	1.00	0.00	C
ATOM	347	N3	A A	12	-31.799	-19.030	44.108	1.00	0.00	N
ATOM	348	C4	A A	12	-32.341	-18.275	45.080	1.00	0.00	C
ATOM	349	C5	A A	12	-32.156	-16.939	45.297	1.00	0.00	C
ATOM	350	C6	A A	12	-31.296	-16.271	44.400	1.00	0.00	C
ATOM	351	N6	A A	12	-31.020	-14.958	44.488	1.00	0.00	N
ATOM	352	N7	A A	12	-32.879	-16.506	46.393	1.00	0.00	N
ATOM	353	C8	A A	12	-33.478	-17.580	46.817	1.00	0.00	C
ATOM	354	N9	A A	12	-33.200	-18.694	46.066	1.00	0.00	N
ATOM	355	C2'	A A	12	-33.837	-20.493	47.713	1.00	0.00	C
ATOM	356	C3'	A A	12	-35.080	-21.369	47.685	1.00	0.00	C
ATOM	357	O3'	A A	12	-34.709	-22.694	47.309	1.00	0.00	O
ATOM	358	C4'	A A	12	-35.950	-20.692	46.627	1.00	0.00	C
ATOM	359	O4'	A A	12	-34.990	-20.153	45.662	1.00	0.00	O
ATOM	360	C5'	A A	12	-36.836	-19.568	47.108	1.00	0.00	C
ATOM	361	O5'	A A	12	-36.152	-18.809	48.137	1.00	0.00	O
ATOM	362	O1P	A A	12	-37.530	-19.250	50.197	1.00	0.00	O
ATOM	363	O2P	A A	12	-36.217	-17.121	49.997	1.00	0.00	O
ATOM	364	P	A A	12	-37.010	-18.179	49.324	1.00	0.00	P
ATOM	365	H2	A A	12	-30.532	-18.829	42.527	1.00	0.00	H
ATOM	366	H8	A A	12	-34.138	-17.595	47.685	1.00	0.00	H
ATOM	367	H1'	A A	12	-33.049	-20.759	45.712	1.00	0.00	H
ATOM	368	H3'	A A	12	-35.584	-21.396	48.650	1.00	0.00	H
ATOM	369	H4'	A A	12	-36.592	-21.465	46.204	1.00	0.00	H
ATOM	370	H61	A A	12	-30.388	-14.518	43.806	1.00	0.00	H
ATOM	371	H62	A A	12	-31.443	-14.393	45.240	1.00	0.00	H
ATOM	372	H2'1	A A	12	-33.970	-19.639	48.375	1.00	0.00	H
ATOM	373	H2'2	A A	12	-32.968	-21.048	48.064	1.00	0.00	H
ATOM	374	H5'1	A A	12	-37.073	-18.916	46.267	1.00	0.00	H
ATOM	375	H5'2	A A	12	-37.758	-19.985	47.509	1.00	0.00	H
ATOM	376	C1'	G A	13	-29.422	-22.342	45.172	1.00	0.00	C
ATOM	377	N1	G A	13	-27.645	-17.578	44.757	1.00	0.00	N
ATOM	378	C2	G A	13	-27.418	-18.683	43.956	1.00	0.00	C
ATOM	379	N2	G A	13	-26.606	-18.496	42.906	1.00	0.00	N
ATOM	380	N3	G A	13	-27.955	-19.880	44.185	1.00	0.00	N
ATOM	381	C4	G A	13	-28.742	-19.890	45.292	1.00	0.00	C
ATOM	382	C5	G A	13	-29.023	-18.840	46.151	1.00	0.00	C

ATOM	383	C6	G A	13	-28.456	-17.568	45.907	1.00	0.00	C
ATOM	384	O6	G A	13	-28.585	-16.525	46.549	1.00	0.00	O
ATOM	385	N7	G A	13	-29.876	-19.266	47.171	1.00	0.00	N
ATOM	386	C8	G A	13	-30.083	-20.529	46.904	1.00	0.00	C
ATOM	387	N9	G A	13	-29.427	-20.982	45.778	1.00	0.00	N
ATOM	388	C2'	G A	13	-29.424	-23.470	46.195	1.00	0.00	C
ATOM	389	C3'	G A	13	-30.283	-24.519	45.510	1.00	0.00	C
ATOM	390	O3'	G A	13	-29.469	-25.284	44.623	1.00	0.00	O
ATOM	391	C4'	G A	13	-31.317	-23.678	44.763	1.00	0.00	C
ATOM	392	O4'	G A	13	-30.589	-22.467	44.383	1.00	0.00	O
ATOM	393	C5'	G A	13	-32.546	-23.277	45.544	1.00	0.00	C
ATOM	394	O5'	G A	13	-32.185	-23.004	46.921	1.00	0.00	O
ATOM	395	O1P	G A	13	-33.358	-24.824	48.204	1.00	0.00	O
ATOM	396	O2P	G A	13	-32.865	-22.628	49.311	1.00	0.00	O
ATOM	397	P	G A	13	-33.229	-23.361	48.073	1.00	0.00	P
ATOM	398	H1	G A	13	-27.186	-16.694	44.489	1.00	0.00	H
ATOM	399	H8	G A	13	-30.717	-21.170	47.517	1.00	0.00	H
ATOM	400	H1'	G A	13	-28.559	-22.417	44.510	1.00	0.00	H
ATOM	401	H21	G A	13	-26.197	-17.565	42.735	1.00	0.00	H
ATOM	402	H3'	G A	13	-30.762	-25.187	46.226	1.00	0.00	H
ATOM	403	H22	G A	13	-26.395	-19.279	42.275	1.00	0.00	H
ATOM	404	H4'	G A	13	-31.643	-24.265	43.906	1.00	0.00	H
ATOM	405	H2'1	G A	13	-29.857	-23.163	47.147	1.00	0.00	H
ATOM	406	H2'2	G A	13	-28.421	-23.847	46.398	1.00	0.00	H
ATOM	407	H5'1	G A	13	-32.982	-22.387	45.093	1.00	0.00	H
ATOM	408	H5'2	G A	13	-33.273	-24.089	45.507	1.00	0.00	H
ATOM	409	C1'	G A	14	-24.615	-22.445	43.984	1.00	0.00	C
ATOM	410	N1	G A	14	-24.550	-17.849	46.198	1.00	0.00	N
ATOM	411	C2	G A	14	-23.947	-18.281	45.031	1.00	0.00	C
ATOM	412	N2	G A	14	-23.228	-17.368	44.366	1.00	0.00	N
ATOM	413	N3	G A	14	-24.051	-19.525	44.564	1.00	0.00	N
ATOM	414	C4	G A	14	-24.809	-20.315	45.368	1.00	0.00	C
ATOM	415	C5	G A	14	-25.445	-19.973	46.550	1.00	0.00	C
ATOM	416	C6	G A	14	-25.338	-18.654	47.044	1.00	0.00	C
ATOM	417	O6	G A	14	-25.825	-18.163	48.063	1.00	0.00	O
ATOM	418	N7	G A	14	-26.122	-21.079	47.070	1.00	0.00	N
ATOM	419	C8	G A	14	-25.884	-22.032	46.206	1.00	0.00	C
ATOM	420	N9	G A	14	-25.092	-21.645	45.145	1.00	0.00	N
ATOM	421	C2'	G A	14	-24.255	-23.882	44.337	1.00	0.00	C
ATOM	422	C3'	G A	14	-24.694	-24.634	43.091	1.00	0.00	C
ATOM	423	O3'	G A	14	-23.653	-24.579	42.118	1.00	0.00	O
ATOM	424	C4'	G A	14	-25.937	-23.863	42.649	1.00	0.00	C
ATOM	425	O4'	G A	14	-25.656	-22.478	43.027	1.00	0.00	O
ATOM	426	C5'	G A	14	-27.244	-24.280	43.282	1.00	0.00	C
ATOM	427	O5'	G A	14	-27.023	-24.652	44.665	1.00	0.00	O
ATOM	428	O1P	G A	14	-27.534	-27.116	44.696	1.00	0.00	O
ATOM	429	O2P	G A	14	-27.836	-25.746	46.776	1.00	0.00	O
ATOM	430	P	G A	14	-27.906	-25.820	45.296	1.00	0.00	P
ATOM	431	H1	G A	14	-24.412	-16.864	46.469	1.00	0.00	H
ATOM	432	H8	G A	14	-26.275	-23.043	46.316	1.00	0.00	H
ATOM	433	H1'	G A	14	-23.765	-21.927	43.539	1.00	0.00	H
ATOM	434	H21	G A	14	-23.154	-16.407	44.731	1.00	0.00	H
ATOM	435	H3'	G A	14	-24.932	-25.676	43.305	1.00	0.00	H
ATOM	436	H22	G A	14	-22.751	-17.626	43.491	1.00	0.00	H

ATOM	437	H4'	G	A	14	-26.029	-24.000	41.573	1.00	0.00	H
ATOM	438	H2'1	G	A	14	-24.784	-24.236	45.221	1.00	0.00	H
ATOM	439	H2'2	G	A	14	-23.187	-24.007	44.521	1.00	0.00	H
ATOM	440	H5'1	G	A	14	-27.948	-23.449	43.230	1.00	0.00	H
ATOM	441	H5'2	G	A	14	-27.652	-25.129	42.733	1.00	0.00	H
ATOM	442	C1'	A	A	15	-20.032	-20.585	43.794	1.00	0.00	C
ATOM	443	N1	A	A	15	-21.567	-17.903	47.892	1.00	0.00	N
ATOM	444	C2	A	A	15	-20.863	-17.572	46.812	1.00	0.00	C
ATOM	445	N3	A	A	15	-20.504	-18.315	45.787	1.00	0.00	N
ATOM	446	C4	A	A	15	-20.953	-19.574	45.945	1.00	0.00	C
ATOM	447	C5	A	A	15	-21.681	-20.073	46.988	1.00	0.00	C
ATOM	448	C6	A	A	15	-22.001	-19.166	48.020	1.00	0.00	C
ATOM	449	N6	A	A	15	-22.712	-19.514	49.107	1.00	0.00	N
ATOM	450	N7	A	A	15	-21.963	-21.415	46.804	1.00	0.00	N
ATOM	451	C8	A	A	15	-21.400	-21.698	45.666	1.00	0.00	C
ATOM	452	N9	A	A	15	-20.768	-20.628	45.084	1.00	0.00	N
ATOM	453	C2'	A	A	15	-19.225	-21.844	43.504	1.00	0.00	C
ATOM	454	C3'	A	A	15	-19.366	-21.971	41.995	1.00	0.00	C
ATOM	455	O3'	A	A	15	-18.381	-21.158	41.365	1.00	0.00	O
ATOM	456	C4'	A	A	15	-20.784	-21.463	41.742	1.00	0.00	C
ATOM	457	O4'	A	A	15	-20.983	-20.428	42.759	1.00	0.00	O
ATOM	458	C5'	A	A	15	-21.894	-22.479	41.864	1.00	0.00	C
ATOM	459	O5'	A	A	15	-21.593	-23.407	42.938	1.00	0.00	O
ATOM	460	O1P	A	A	15	-21.264	-25.596	41.739	1.00	0.00	O
ATOM	461	O2P	A	A	15	-22.044	-25.576	44.124	1.00	0.00	O
ATOM	462	P	A	A	15	-22.055	-24.927	42.791	1.00	0.00	P
ATOM	463	H2	A	A	15	-20.538	-16.532	46.771	1.00	0.00	H
ATOM	464	H8	A	A	15	-21.426	-22.691	45.217	1.00	0.00	H
ATOM	465	H1'	A	A	15	-19.391	-19.703	43.797	1.00	0.00	H
ATOM	466	H3'	A	A	15	-19.252	-23.002	41.659	1.00	0.00	H
ATOM	467	H4'	A	A	15	-20.802	-21.070	40.726	1.00	0.00	H
ATOM	468	H61	A	A	15	-22.920	-18.811	49.831	1.00	0.00	H
ATOM	469	H62	A	A	15	-23.047	-20.482	49.214	1.00	0.00	H
ATOM	470	H2'1	A	A	15	-19.627	-22.718	44.016	1.00	0.00	H
ATOM	471	H2'2	A	A	15	-18.180	-21.743	43.798	1.00	0.00	H
ATOM	472	H5'1	A	A	15	-22.830	-21.963	42.076	1.00	0.00	H
ATOM	473	H5'2	A	A	15	-21.987	-23.021	40.925	1.00	0.00	H
ATOM	474	C1'	C	A	16	-16.362	-17.650	45.399	1.00	0.00	C
ATOM	475	N1	C	A	16	-17.062	-18.564	46.342	1.00	0.00	N
ATOM	476	C2	C	A	16	-17.560	-18.024	47.525	1.00	0.00	C
ATOM	477	O2	C	A	16	-17.401	-16.816	47.743	1.00	0.00	O
ATOM	478	N3	C	A	16	-18.201	-18.840	48.398	1.00	0.00	N
ATOM	479	C4	C	A	16	-18.356	-20.143	48.133	1.00	0.00	C
ATOM	480	N4	C	A	16	-18.995	-20.894	49.020	1.00	0.00	N
ATOM	481	C5	C	A	16	-17.851	-20.728	46.926	1.00	0.00	C
ATOM	482	C6	C	A	16	-17.212	-19.887	46.059	1.00	0.00	C
ATOM	483	C2'	C	A	16	-15.162	-18.282	44.707	1.00	0.00	C
ATOM	484	C3'	C	A	16	-15.223	-17.650	43.325	1.00	0.00	C
ATOM	485	O3'	C	A	16	-14.571	-16.383	43.361	1.00	0.00	O
ATOM	486	C4'	C	A	16	-16.724	-17.522	43.076	1.00	0.00	C
ATOM	487	O4'	C	A	16	-17.290	-17.268	44.401	1.00	0.00	O
ATOM	488	C5'	C	A	16	-17.411	-18.730	42.481	1.00	0.00	C
ATOM	489	O5'	C	A	16	-16.823	-19.942	43.017	1.00	0.00	O
ATOM	490	O1P	C	A	16	-15.730	-20.997	41.011	1.00	0.00	O

ATOM	491	O2P	C	A	16	-16.510	-22.433	42.915	1.00	0.00	O
ATOM	492	P	C	A	16	-16.723	-21.226	42.078	1.00	0.00	P
ATOM	493	H5	C	A	16	-17.969	-21.791	46.710	1.00	0.00	H
ATOM	494	H6	C	A	16	-16.818	-20.283	45.123	1.00	0.00	H
ATOM	495	H1'	C	A	16	-16.070	-16.753	45.946	1.00	0.00	H
ATOM	496	H3'	C	A	16	-14.750	-18.279	42.569	1.00	0.00	H
ATOM	497	H4'	C	A	16	-16.860	-16.690	42.386	1.00	0.00	H
ATOM	498	H41	C	A	16	-19.130	-21.900	48.841	1.00	0.00	H
ATOM	499	H42	C	A	16	-19.355	-20.473	49.889	1.00	0.00	H
ATOM	500	H2'1	C	A	16	-15.241	-19.368	44.650	1.00	0.00	H
ATOM	501	H2'2	C	A	16	-14.223	-18.048	45.211	1.00	0.00	H
ATOM	502	H5'1	C	A	16	-18.472	-18.693	42.726	1.00	0.00	H
ATOM	503	H5'2	C	A	16	-17.292	-18.711	41.398	1.00	0.00	H
ATOM	504	C1'	G	A	17	-13.924	-15.037	48.827	1.00	0.00	C
ATOM	505	N1	G	A	17	-16.170	-18.269	52.073	1.00	0.00	N
ATOM	506	C2	G	A	17	-15.989	-16.900	52.165	1.00	0.00	C
ATOM	507	N2	G	A	17	-16.468	-16.316	53.270	1.00	0.00	N
ATOM	508	N3	G	A	17	-15.379	-16.174	51.230	1.00	0.00	N
ATOM	509	C4	G	A	17	-14.951	-16.931	50.185	1.00	0.00	C
ATOM	510	C5	G	A	17	-15.083	-18.298	50.009	1.00	0.00	C
ATOM	511	C6	G	A	17	-15.734	-19.070	50.999	1.00	0.00	C
ATOM	512	O6	G	A	17	-15.946	-20.283	51.025	1.00	0.00	O
ATOM	513	N7	G	A	17	-14.506	-18.688	48.799	1.00	0.00	N
ATOM	514	C8	G	A	17	-14.056	-17.569	48.290	1.00	0.00	C
ATOM	515	N9	G	A	17	-14.288	-16.458	49.074	1.00	0.00	N
ATOM	516	C2'	G	A	17	-12.570	-14.858	48.154	1.00	0.00	C
ATOM	517	C3'	G	A	17	-12.817	-13.659	47.254	1.00	0.00	C
ATOM	518	O3'	G	A	17	-12.636	-12.462	48.007	1.00	0.00	O
ATOM	519	C4'	G	A	17	-14.270	-13.854	46.821	1.00	0.00	C
ATOM	520	O4'	G	A	17	-14.909	-14.481	47.977	1.00	0.00	O
ATOM	521	C5'	G	A	17	-14.497	-14.726	45.609	1.00	0.00	C
ATOM	522	O5'	G	A	17	-13.544	-15.818	45.605	1.00	0.00	O
ATOM	523	O1P	G	A	17	-12.125	-15.342	43.581	1.00	0.00	O
ATOM	524	O2P	G	A	17	-12.404	-17.700	44.393	1.00	0.00	O
ATOM	525	P	G	A	17	-12.999	-16.355	44.206	1.00	0.00	P
ATOM	526	H1	G	A	17	-16.661	-18.737	52.849	1.00	0.00	H
ATOM	527	H8	G	A	17	-13.542	-17.520	47.329	1.00	0.00	H
ATOM	528	H1'	G	A	17	-13.961	-14.505	49.777	1.00	0.00	H
ATOM	529	H21	G	A	17	-16.941	-16.883	53.988	1.00	0.00	H
ATOM	530	H3'	G	A	17	-12.149	-13.649	46.393	1.00	0.00	H
ATOM	531	H22	G	A	17	-16.363	-15.299	53.401	1.00	0.00	H
ATOM	532	H4'	G	A	17	-14.669	-12.865	46.599	1.00	0.00	H
ATOM	533	H2'1	G	A	17	-12.277	-15.735	47.576	1.00	0.00	H
ATOM	534	H2'2	G	A	17	-11.774	-14.658	48.873	1.00	0.00	H
ATOM	535	H5'1	G	A	17	-15.512	-15.123	45.640	1.00	0.00	H
ATOM	536	H5'2	G	A	17	-14.375	-14.125	44.708	1.00	0.00	H
ATOM	537	C1'	G	A	18	-12.582	-13.950	53.468	1.00	0.00	C
ATOM	538	N1	G	A	18	-13.661	-18.861	54.328	1.00	0.00	N
ATOM	539	C2	G	A	18	-13.957	-17.741	55.085	1.00	0.00	C
ATOM	540	N2	G	A	18	-14.627	-17.959	56.225	1.00	0.00	N
ATOM	541	N3	G	A	18	-13.612	-16.505	54.734	1.00	0.00	N
ATOM	542	C4	G	A	18	-12.933	-16.471	53.558	1.00	0.00	C
ATOM	543	C5	G	A	18	-12.590	-17.534	52.738	1.00	0.00	C
ATOM	544	C6	G	A	18	-12.960	-18.848	53.108	1.00	0.00	C

ATOM	545	O6	G A	18	-12.748	-19.909	52.519	1.00	0.00	O
ATOM	546	N7	G A	18	-11.892	-17.076	51.620	1.00	0.00	N
ATOM	547	C8	G A	18	-11.838	-15.780	51.789	1.00	0.00	C
ATOM	548	N9	G A	18	-12.447	-15.337	52.945	1.00	0.00	N
ATOM	549	C2'	G A	18	-11.356	-13.081	53.226	1.00	0.00	C
ATOM	550	C3'	G A	18	-11.978	-11.719	52.967	1.00	0.00	C
ATOM	551	O3'	G A	18	-12.227	-11.073	54.213	1.00	0.00	O
ATOM	552	C4'	G A	18	-13.271	-12.069	52.231	1.00	0.00	C
ATOM	553	O4'	G A	18	-13.681	-13.347	52.813	1.00	0.00	O
ATOM	554	C5'	G A	18	-13.166	-12.232	50.733	1.00	0.00	C
ATOM	555	O5'	G A	18	-11.899	-12.849	50.393	1.00	0.00	O
ATOM	556	O1P	G A	18	-10.686	-11.037	49.136	1.00	0.00	O
ATOM	557	O2P	G A	18	-10.165	-13.447	48.676	1.00	0.00	O
ATOM	558	P	G A	18	-11.177	-12.424	49.035	1.00	0.00	P
ATOM	559	H1	G A	18	-13.980	-19.775	54.686	1.00	0.00	H
ATOM	560	H8	G A	18	-11.353	-15.108	51.082	1.00	0.00	H
ATOM	561	H1'	G A	18	-12.816	-14.008	54.532	1.00	0.00	H
ATOM	562	H21	G A	18	-14.894	-18.920	56.488	1.00	0.00	H
ATOM	563	H3'	G A	18	-11.336	-11.085	52.354	1.00	0.00	H
ATOM	564	H22	G A	18	-14.874	-17.168	56.834	1.00	0.00	H
ATOM	565	H4'	G A	18	-13.977	-11.264	52.430	1.00	0.00	H
ATOM	566	H2'1	G A	18	-10.772	-13.419	52.369	1.00	0.00	H
ATOM	567	H2'2	G A	18	-10.689	-13.056	54.088	1.00	0.00	H
ATOM	568	H5'1	G A	18	-13.986	-12.858	50.383	1.00	0.00	H
ATOM	569	H5'2	G A	18	-13.237	-11.253	50.261	1.00	0.00	H
ATOM	570	C1'	T A	19	-11.776	-15.008	58.236	1.00	0.00	C
ATOM	571	N1	T A	19	-11.180	-15.858	57.172	1.00	0.00	N
ATOM	572	C2	T A	19	-11.383	-17.220	57.265	1.00	0.00	C
ATOM	573	O2	T A	19	-12.020	-17.731	58.171	1.00	0.00	O
ATOM	574	N3	T A	19	-10.813	-17.972	56.256	1.00	0.00	N
ATOM	575	C4	T A	19	-10.075	-17.496	55.193	1.00	0.00	C
ATOM	576	O4	T A	19	-9.609	-18.270	54.348	1.00	0.00	O
ATOM	577	C5	T A	19	-9.915	-16.061	55.179	1.00	0.00	C
ATOM	578	C6	T A	19	-10.458	-15.296	56.147	1.00	0.00	C
ATOM	579	C7	T A	19	-9.121	-15.499	54.039	1.00	0.00	C
ATOM	580	C2'	T A	19	-10.899	-13.831	58.646	1.00	0.00	C
ATOM	581	C3'	T A	19	-11.929	-12.750	58.931	1.00	0.00	C
ATOM	582	O3'	T A	19	-12.407	-12.899	60.266	1.00	0.00	O
ATOM	583	C4'	T A	19	-13.014	-13.034	57.895	1.00	0.00	C
ATOM	584	O4'	T A	19	-12.996	-14.489	57.742	1.00	0.00	O
ATOM	585	C5'	T A	19	-12.827	-12.403	56.535	1.00	0.00	C
ATOM	586	O5'	T A	19	-11.419	-12.396	56.188	1.00	0.00	O
ATOM	587	O1P	T A	19	-10.841	-9.947	56.145	1.00	0.00	O
ATOM	588	O2P	T A	19	-9.544	-11.568	54.735	1.00	0.00	O
ATOM	589	P	T A	19	-10.844	-11.180	55.332	1.00	0.00	P
ATOM	590	H3	T A	19	-10.954	-18.992	56.301	1.00	0.00	H
ATOM	591	H6	T A	19	-10.324	-14.215	56.116	1.00	0.00	H
ATOM	592	H1'	T A	19	-12.003	-15.642	59.093	1.00	0.00	H
ATOM	593	H3'	T A	19	-11.516	-11.750	58.804	1.00	0.00	H
ATOM	594	H4'	T A	19	-13.952	-12.661	58.308	1.00	0.00	H
ATOM	595	H71	T A	19	-8.202	-15.054	54.420	1.00	0.00	H
ATOM	596	H72	T A	19	-8.874	-16.298	53.339	1.00	0.00	H
ATOM	597	H73	T A	19	-9.707	-14.735	53.526	1.00	0.00	H
ATOM	598	H2'1	T A	19	-10.216	-13.530	57.852	1.00	0.00	H

ATOM	599	H2'2	T	A	19	-10.298	-14.051	59.529	1.00	0.00	H
ATOM	600	H5'1	T	A	19	-13.386	-12.974	55.794	1.00	0.00	H
ATOM	601	H5'2	T	A	19	-13.204	-11.382	56.560	1.00	0.00	H
ATOM	602	C01	LNK	A	20	-10.968	-11.754	63.503	0.00	0.00	C
ATOM	603	O1	LNK	A	20	-10.907	-11.901	62.082	1.00	0.00	O
ATOM	604	S	LNK	A	20	-8.698	-10.406	66.482	0.00	0.00	S
ATOM	605	C02	LNK	A	20	-9.661	-11.112	64.007	0.00	0.00	C
ATOM	606	C03	LNK	A	20	-9.280	-11.723	65.368	0.00	0.00	C
ATOM	607	O1P	LNK	A	20	-9.958	-13.776	60.696	1.00	0.00	O
ATOM	608	O2P	LNK	A	20	-11.625	-14.272	62.506	1.00	0.00	O
ATOM	609	P	LNK	A	20	-11.153	-13.344	61.448	1.00	0.00	P
ATOM	610	H01	LNK	A	20	-11.094	-12.732	63.966	0.00	0.00	H
ATOM	611	H02	LNK	A	20	-11.811	-11.115	63.767	0.00	0.00	H
ATOM	612	H03	LNK	A	20	-8.487	-12.457	65.228	0.00	0.00	H
ATOM	613	H04	LNK	A	20	-9.803	-10.036	64.117	0.00	0.00	H
ATOM	614	H05	LNK	A	20	-8.863	-11.300	63.288	0.00	0.00	H
ATOM	615	H06	LNK	A	20	-10.153	-12.209	65.805	0.00	0.00	H
ATOM	616	AU	LNK	A	20	-8.435	-10.686	67.050			
TER											
ATOM	618	C1'	A	B	2	-12.261	-25.850	57.188	1.00	0.00	C
ATOM	619	N1	A	B	2	-11.201	-20.895	56.372	1.00	0.00	N
ATOM	620	C2	A	B	2	-11.888	-21.521	57.322	1.00	0.00	C
ATOM	621	N3	A	B	2	-12.121	-22.808	57.475	1.00	0.00	N
ATOM	622	C4	A	B	2	-11.548	-23.507	56.478	1.00	0.00	C
ATOM	623	C5	A	B	2	-10.815	-23.017	55.434	1.00	0.00	C
ATOM	624	C6	A	B	2	-10.640	-21.618	55.391	1.00	0.00	C
ATOM	625	N6	A	B	2	-9.943	-20.994	54.426	1.00	0.00	N
ATOM	626	N7	A	B	2	-10.383	-24.038	54.605	1.00	0.00	N
ATOM	627	C8	A	B	2	-10.863	-25.112	55.157	1.00	0.00	C
ATOM	628	N9	A	B	2	-11.579	-24.868	56.300	1.00	0.00	N
ATOM	629	C2'	A	B	2	-12.913	-27.004	56.438	1.00	0.00	C
ATOM	630	C3'	A	B	2	-12.695	-28.166	57.393	1.00	0.00	C
ATOM	631	O3'	A	B	2	-13.733	-28.170	58.370	1.00	0.00	O
ATOM	632	C4'	A	B	2	-11.330	-27.853	58.004	1.00	0.00	C
ATOM	633	O4'	A	B	2	-11.287	-26.390	58.060	1.00	0.00	O
ATOM	634	C5'	A	B	2	-10.124	-28.343	57.238	1.00	0.00	C
ATOM	635	O5'	A	B	2	-10.369	-28.232	55.813	1.00	0.00	O
ATOM	636	H2	A	B	2	-12.322	-20.878	58.085	1.00	0.00	H
ATOM	637	H8	A	B	2	-10.711	-26.112	54.750	1.00	0.00	H
ATOM	638	H1'	A	B	2	-12.993	-25.313	57.791	1.00	0.00	H
ATOM	639	H3'	A	B	2	-12.683	-29.125	56.875	1.00	0.00	H
ATOM	640	H4'	A	B	2	-11.310	-28.317	58.989	1.00	0.00	H
ATOM	641	H61	A	B	2	-9.843	-19.971	54.443	1.00	0.00	H
ATOM	642	H62	A	B	2	-9.510	-21.544	53.668	1.00	0.00	H
ATOM	643	H2'1	A	B	2	-12.442	-27.190	55.473	1.00	0.00	H
ATOM	644	H2'2	A	B	2	-13.975	-26.832	56.258	1.00	0.00	H
ATOM	645	H5'1	A	B	2	-9.258	-27.739	57.511	1.00	0.00	H
ATOM	646	H5'2	A	B	2	-9.933	-29.383	57.500	1.00	0.00	H
ATOM	647	C1'	C	B	3	-16.289	-23.073	58.036	1.00	0.00	C
ATOM	648	N1	C	B	3	-15.537	-22.942	56.758	1.00	0.00	N
ATOM	649	C2	C	B	3	-15.154	-21.665	56.353	1.00	0.00	C
ATOM	650	O2	C	B	3	-15.452	-20.699	57.068	1.00	0.00	O
ATOM	651	N3	C	B	3	-14.470	-21.524	55.193	1.00	0.00	N
ATOM	652	C4	C	B	3	-14.163	-22.589	54.441	1.00	0.00	C

ATOM	653	N4	C B	3	-13.488	-22.393	53.316	1.00	0.00	N
ATOM	654	C5	C B	3	-14.547	-23.915	54.828	1.00	0.00	C
ATOM	655	C6	C B	3	-15.233	-24.034	56.004	1.00	0.00	C
ATOM	656	C2'	C B	3	-17.382	-24.133	57.999	1.00	0.00	C
ATOM	657	C3'	C B	3	-17.328	-24.693	59.412	1.00	0.00	C
ATOM	658	O3'	C B	3	-18.112	-23.869	60.272	1.00	0.00	O
ATOM	659	C4'	C B	3	-15.840	-24.625	59.747	1.00	0.00	C
ATOM	660	O4'	C B	3	-15.364	-23.434	59.043	1.00	0.00	O
ATOM	661	C5'	C B	3	-15.001	-25.807	59.319	1.00	0.00	C
ATOM	662	O5'	C B	3	-15.478	-26.310	58.046	1.00	0.00	O
ATOM	663	O1P	C B	3	-16.361	-28.597	58.617	1.00	0.00	O
ATOM	664	O2P	C B	3	-15.516	-28.120	56.303	1.00	0.00	O
ATOM	665	P	C B	3	-15.397	-27.876	57.761	1.00	0.00	P
ATOM	666	H5	C B	3	-14.307	-24.784	54.216	1.00	0.00	H
ATOM	667	H6	C B	3	-15.541	-25.022	56.344	1.00	0.00	H
ATOM	668	H1'	C B	3	-16.700	-22.096	58.291	1.00	0.00	H
ATOM	669	H3'	C B	3	-17.696	-25.717	59.459	1.00	0.00	H
ATOM	670	H4'	C B	3	-15.762	-24.540	60.831	1.00	0.00	H
ATOM	671	H41	C B	3	-13.236	-23.196	52.720	1.00	0.00	H
ATOM	672	H42	C B	3	-13.214	-21.440	53.038	1.00	0.00	H
ATOM	673	H2'1	C B	3	-17.184	-24.906	57.258	1.00	0.00	H
ATOM	674	H2'2	C B	3	-18.362	-23.708	57.777	1.00	0.00	H
ATOM	675	H5'1	C B	3	-13.961	-25.493	59.224	1.00	0.00	H
ATOM	676	H5'2	C B	3	-15.072	-26.588	60.073	1.00	0.00	H
ATOM	677	C1'	C B	4	-19.142	-19.068	57.450	1.00	0.00	C
ATOM	678	N1	C B	4	-18.637	-19.816	56.268	1.00	0.00	N
ATOM	679	C2	C B	4	-17.990	-19.096	55.266	1.00	0.00	C
ATOM	680	O2	C B	4	-17.862	-17.871	55.399	1.00	0.00	O
ATOM	681	N3	C B	4	-17.523	-19.757	54.180	1.00	0.00	N
ATOM	682	C4	C B	4	-17.676	-21.084	54.064	1.00	0.00	C
ATOM	683	N4	C B	4	-17.197	-21.682	52.983	1.00	0.00	N
ATOM	684	C5	C B	4	-18.342	-21.851	55.076	1.00	0.00	C
ATOM	685	C6	C B	4	-18.800	-21.163	56.163	1.00	0.00	C
ATOM	686	C2'	C B	4	-20.477	-19.578	57.975	1.00	0.00	C
ATOM	687	C3'	C B	4	-20.321	-19.388	59.476	1.00	0.00	C
ATOM	688	O3'	C B	4	-20.664	-18.047	59.817	1.00	0.00	O
ATOM	689	C4'	C B	4	-18.839	-19.680	59.703	1.00	0.00	C
ATOM	690	O4'	C B	4	-18.185	-19.201	58.484	1.00	0.00	O
ATOM	691	C5'	C B	4	-18.464	-21.129	59.914	1.00	0.00	C
ATOM	692	O5'	C B	4	-19.294	-21.976	59.080	1.00	0.00	O
ATOM	693	O1P	C B	4	-20.665	-23.271	60.746	1.00	0.00	O
ATOM	694	O2P	C B	4	-20.168	-24.257	58.492	1.00	0.00	O
ATOM	695	P	C B	4	-19.715	-23.413	59.625	1.00	0.00	P
ATOM	696	H5	C B	4	-18.476	-22.929	54.983	1.00	0.00	H
ATOM	697	H6	C B	4	-19.306	-21.704	56.963	1.00	0.00	H
ATOM	698	H1'	C B	4	-19.204	-18.012	57.185	1.00	0.00	H
ATOM	699	H3'	C B	4	-20.948	-20.077	60.042	1.00	0.00	H
ATOM	700	H4'	C B	4	-18.539	-19.126	60.593	1.00	0.00	H
ATOM	701	H41	C B	4	-17.299	-22.701	52.870	1.00	0.00	H
ATOM	702	H42	C B	4	-16.721	-21.128	52.255	1.00	0.00	H
ATOM	703	H2'1	C B	4	-20.648	-20.624	57.724	1.00	0.00	H
ATOM	704	H2'2	C B	4	-21.320	-19.005	57.588	1.00	0.00	H
ATOM	705	H5'1	C B	4	-17.415	-21.269	59.654	1.00	0.00	H
ATOM	706	H5'2	C B	4	-18.612	-21.386	60.962	1.00	0.00	H

ATOM	707	C1'	G B	5	-20.800	-15.113	54.974	1.00	0.00	C
ATOM	708	N1	G B	5	-19.246	-17.732	50.880	1.00	0.00	N
ATOM	709	C2	G B	5	-19.108	-16.388	51.180	1.00	0.00	C
ATOM	710	N2	G B	5	-18.472	-15.643	50.268	1.00	0.00	N
ATOM	711	N3	G B	5	-19.566	-15.833	52.302	1.00	0.00	N
ATOM	712	C4	G B	5	-20.187	-16.734	53.107	1.00	0.00	C
ATOM	713	C5	G B	5	-20.376	-18.088	52.888	1.00	0.00	C
ATOM	714	C6	G B	5	-19.887	-18.679	51.701	1.00	0.00	C
ATOM	715	O6	G B	5	-19.957	-19.851	51.332	1.00	0.00	O
ATOM	716	N7	G B	5	-21.066	-18.658	53.961	1.00	0.00	N
ATOM	717	C8	G B	5	-21.266	-17.656	54.778	1.00	0.00	C
ATOM	718	N9	G B	5	-20.762	-16.453	54.327	1.00	0.00	N
ATOM	719	C2'	G B	5	-22.099	-14.826	55.714	1.00	0.00	C
ATOM	720	C3'	G B	5	-21.614	-14.015	56.905	1.00	0.00	C
ATOM	721	O3'	G B	5	-21.494	-12.647	56.522	1.00	0.00	O
ATOM	722	C4'	G B	5	-20.259	-14.648	57.218	1.00	0.00	C
ATOM	723	O4'	G B	5	-19.743	-15.055	55.911	1.00	0.00	O
ATOM	724	C5'	G B	5	-20.275	-15.852	58.129	1.00	0.00	C
ATOM	725	O5'	G B	5	-21.452	-16.654	57.861	1.00	0.00	O
ATOM	726	O1P	G B	5	-22.790	-16.455	59.983	1.00	0.00	O
ATOM	727	O2P	G B	5	-23.029	-18.490	58.536	1.00	0.00	O
ATOM	728	P	G B	5	-22.150	-17.423	59.072	1.00	0.00	P
ATOM	729	H1	G B	5	-18.849	-18.063	49.988	1.00	0.00	H
ATOM	730	H8	G B	5	-21.786	-17.760	55.730	1.00	0.00	H
ATOM	731	H1'	G B	5	-20.612	-14.359	54.210	1.00	0.00	H
ATOM	732	H21	G B	5	-18.118	-16.079	49.405	1.00	0.00	H
ATOM	733	H3'	G B	5	-22.291	-14.094	57.757	1.00	0.00	H
ATOM	734	H22	G B	5	-18.339	-14.634	50.429	1.00	0.00	H
ATOM	735	H4'	G B	5	-19.652	-13.878	57.693	1.00	0.00	H
ATOM	736	H2'1	G B	5	-22.603	-15.738	56.034	1.00	0.00	H
ATOM	737	H2'2	G B	5	-22.805	-14.258	55.108	1.00	0.00	H
ATOM	738	H5'1	G B	5	-19.377	-16.444	57.954	1.00	0.00	H
ATOM	739	H5'2	G B	5	-20.287	-15.516	59.166	1.00	0.00	H
ATOM	740	C1'	T B	6	-21.706	-12.473	50.885	1.00	0.00	C
ATOM	741	N1	T B	6	-22.158	-13.887	50.979	1.00	0.00	N
ATOM	742	C2	T B	6	-21.815	-14.728	49.939	1.00	0.00	C
ATOM	743	O2	T B	6	-21.173	-14.355	48.973	1.00	0.00	O
ATOM	744	N3	T B	6	-22.255	-16.033	50.068	1.00	0.00	N
ATOM	745	C4	T B	6	-22.988	-16.555	51.112	1.00	0.00	C
ATOM	746	O4	T B	6	-23.328	-17.743	51.115	1.00	0.00	O
ATOM	747	C5	T B	6	-23.296	-15.601	52.151	1.00	0.00	C
ATOM	748	C6	T B	6	-22.883	-14.321	52.060	1.00	0.00	C
ATOM	749	C7	T B	6	-24.090	-16.127	53.310	1.00	0.00	C
ATOM	750	C2'	T B	6	-22.722	-11.469	51.415	1.00	0.00	C
ATOM	751	C3'	T B	6	-21.824	-10.413	52.044	1.00	0.00	C
ATOM	752	O3'	T B	6	-21.400	-9.498	51.037	1.00	0.00	O
ATOM	753	C4'	T B	6	-20.667	-11.239	52.601	1.00	0.00	C
ATOM	754	O4'	T B	6	-20.526	-12.345	51.654	1.00	0.00	O
ATOM	755	C5'	T B	6	-20.855	-11.811	53.987	1.00	0.00	C
ATOM	756	O5'	T B	6	-22.238	-12.208	54.169	1.00	0.00	O
ATOM	757	O1P	T B	6	-23.067	-10.629	55.944	1.00	0.00	O
ATOM	758	O2P	T B	6	-24.117	-12.894	55.689	1.00	0.00	O
ATOM	759	P	T B	6	-22.895	-12.058	55.615	1.00	0.00	P
ATOM	760	H3	T B	6	-22.009	-16.682	49.305	1.00	0.00	H

ATOM	761	H6	T B	6	-23.129	-13.620	52.858	1.00	0.00	H
ATOM	762	H1'	T B	6	-21.454	-12.262	49.846	1.00	0.00	H
ATOM	763	H3'	T B	6	-22.334	-9.866	52.837	1.00	0.00	H
ATOM	764	H4'	T B	6	-19.795	-10.585	52.627	1.00	0.00	H
ATOM	765	H71	T B	6	-25.068	-15.645	53.329	1.00	0.00	H
ATOM	766	H72	T B	6	-24.217	-17.204	53.205	1.00	0.00	H
ATOM	767	H73	T B	6	-23.562	-15.912	54.240	1.00	0.00	H
ATOM	768	H2'1	T B	6	-23.393	-11.909	52.150	1.00	0.00	H
ATOM	769	H2'2	T B	6	-23.336	-11.044	50.621	1.00	0.00	H
ATOM	770	H5'1	T B	6	-20.203	-12.676	54.109	1.00	0.00	H
ATOM	771	H5'2	T B	6	-20.589	-11.055	54.724	1.00	0.00	H
ATOM	772	C1'	C B	7	-22.574	-11.979	46.021	1.00	0.00	C
ATOM	773	N1	C B	7	-23.387	-12.920	46.843	1.00	0.00	N
ATOM	774	C2	C B	7	-23.521	-14.231	46.392	1.00	0.00	C
ATOM	775	O2	C B	7	-22.963	-14.560	45.336	1.00	0.00	O
ATOM	776	N3	C B	7	-24.256	-15.103	47.124	1.00	0.00	N
ATOM	777	C4	C B	7	-24.848	-14.717	48.262	1.00	0.00	C
ATOM	778	N4	C B	7	-25.552	-15.611	48.940	1.00	0.00	N
ATOM	779	C5	C B	7	-24.732	-13.373	48.748	1.00	0.00	C
ATOM	780	C6	C B	7	-23.982	-12.514	47.995	1.00	0.00	C
ATOM	781	C2'	C B	7	-23.137	-10.566	45.971	1.00	0.00	C
ATOM	782	C3'	C B	7	-21.871	-9.723	45.948	1.00	0.00	C
ATOM	783	O3'	C B	7	-21.403	-9.618	44.606	1.00	0.00	O
ATOM	784	C4'	C B	7	-20.915	-10.520	46.832	1.00	0.00	C
ATOM	785	O4'	C B	7	-21.281	-11.916	46.593	1.00	0.00	O
ATOM	786	C5'	C B	7	-20.990	-10.249	48.318	1.00	0.00	C
ATOM	787	O5'	C B	7	-22.365	-10.004	48.701	1.00	0.00	O
ATOM	788	O1P	C B	7	-22.349	-7.591	49.418	1.00	0.00	O
ATOM	789	O2P	C B	7	-24.033	-9.176	50.389	1.00	0.00	O
ATOM	790	P	C B	7	-22.661	-8.960	49.872	1.00	0.00	P
ATOM	791	H5	C B	7	-25.218	-13.053	49.669	1.00	0.00	H
ATOM	792	H6	C B	7	-23.858	-11.483	48.328	1.00	0.00	H
ATOM	793	H1'	C B	7	-22.478	-12.398	45.019	1.00	0.00	H
ATOM	794	H3'	C B	7	-22.039	-8.723	46.352	1.00	0.00	H
ATOM	795	H4'	C B	7	-19.904	-10.282	46.502	1.00	0.00	H
ATOM	796	H41	C B	7	-26.015	-15.341	49.820	1.00	0.00	H
ATOM	797	H42	C B	7	-25.636	-16.577	48.588	1.00	0.00	H
ATOM	798	H2'1	C B	7	-23.752	-10.334	46.839	1.00	0.00	H
ATOM	799	H2'2	C B	7	-23.745	-10.394	45.083	1.00	0.00	H
ATOM	800	H5'1	C B	7	-20.604	-11.113	48.859	1.00	0.00	H
ATOM	801	H5'2	C B	7	-20.381	-9.378	48.553	1.00	0.00	H
ATOM	802	C1'	C B	8	-24.157	-13.548	41.598	1.00	0.00	C
ATOM	803	N1	C B	8	-25.034	-13.652	42.796	1.00	0.00	N
ATOM	804	C2	C B	8	-25.616	-14.888	43.074	1.00	0.00	C
ATOM	805	O2	C B	8	-25.381	-15.840	42.319	1.00	0.00	O
ATOM	806	N3	C B	8	-26.417	-15.004	44.160	1.00	0.00	N
ATOM	807	C4	C B	8	-26.652	-13.954	44.958	1.00	0.00	C
ATOM	808	N4	C B	8	-27.441	-14.126	46.009	1.00	0.00	N
ATOM	809	C5	C B	8	-26.072	-12.669	44.696	1.00	0.00	C
ATOM	810	C6	C B	8	-25.263	-12.577	43.597	1.00	0.00	C
ATOM	811	C2'	C B	8	-24.294	-12.228	40.850	1.00	0.00	C
ATOM	812	C3'	C B	8	-22.869	-11.980	40.380	1.00	0.00	C
ATOM	813	O3'	C B	8	-22.650	-12.685	39.160	1.00	0.00	O
ATOM	814	C4'	C B	8	-22.031	-12.539	41.528	1.00	0.00	C

ATOM	815	O4'	C B	8	-22.816	-13.665	42.035	1.00	0.00	O
ATOM	816	C5'	C B	8	-21.746	-11.595	42.672	1.00	0.00	C
ATOM	817	O5'	C B	8	-22.900	-10.747	42.907	1.00	0.00	O
ATOM	818	O1P	C B	8	-22.066	-8.450	42.304	1.00	0.00	O
ATOM	819	O2P	C B	8	-23.919	-8.714	43.975	1.00	0.00	O
ATOM	820	P	C B	8	-22.663	-9.248	43.393	1.00	0.00	P
ATOM	821	H5	C B	8	-26.266	-11.810	45.337	1.00	0.00	H
ATOM	822	H6	C B	8	-24.793	-11.622	43.361	1.00	0.00	H
ATOM	823	H1'	C B	8	-24.372	-14.392	40.943	1.00	0.00	H
ATOM	824	H3'	C B	8	-22.669	-10.921	40.226	1.00	0.00	H
ATOM	825	H4'	C B	8	-21.074	-12.842	41.103	1.00	0.00	H
ATOM	826	H41	C B	8	-27.636	-13.335	46.640	1.00	0.00	H
ATOM	827	H42	C B	8	-27.859	-15.049	46.194	1.00	0.00	H
ATOM	828	H2'1	C B	8	-24.645	-11.423	41.493	1.00	0.00	H
ATOM	829	H2'2	C B	8	-24.984	-12.301	40.008	1.00	0.00	H
ATOM	830	H5'1	C B	8	-21.527	-12.174	43.570	1.00	0.00	H
ATOM	831	H5'2	C B	8	-20.883	-10.980	42.423	1.00	0.00	H
ATOM	832	C1'	T B	9	-26.902	-16.360	38.590	1.00	0.00	C
ATOM	833	N1	T B	9	-27.543	-15.604	39.698	1.00	0.00	N
ATOM	834	C2	T B	9	-28.375	-16.310	40.544	1.00	0.00	C
ATOM	835	O2	T B	9	-28.592	-17.501	40.410	1.00	0.00	O
ATOM	836	N3	T B	9	-28.948	-15.569	41.561	1.00	0.00	N
ATOM	837	C4	T B	9	-28.771	-14.223	41.796	1.00	0.00	C
ATOM	838	O4	T B	9	-29.343	-13.665	42.741	1.00	0.00	O
ATOM	839	C5	T B	9	-27.884	-13.570	40.861	1.00	0.00	C
ATOM	840	C6	T B	9	-27.307	-14.261	39.859	1.00	0.00	C
ATOM	841	C7	T B	9	-27.661	-12.104	41.083	1.00	0.00	C
ATOM	842	C2'	T B	9	-26.796	-15.572	37.289	1.00	0.00	C
ATOM	843	C3'	T B	9	-25.468	-16.058	36.731	1.00	0.00	C
ATOM	844	O3'	T B	9	-25.677	-17.271	36.013	1.00	0.00	O
ATOM	845	C4'	T B	9	-24.627	-16.266	37.988	1.00	0.00	C
ATOM	846	O4'	T B	9	-25.592	-16.701	38.999	1.00	0.00	O
ATOM	847	C5'	T B	9	-23.889	-15.056	38.512	1.00	0.00	C
ATOM	848	O5'	T B	9	-24.698	-13.868	38.319	1.00	0.00	O
ATOM	849	O1P	T B	9	-23.379	-12.531	36.644	1.00	0.00	O
ATOM	850	O2P	T B	9	-24.900	-11.365	38.264	1.00	0.00	O
ATOM	851	P	T B	9	-23.969	-12.487	37.998	1.00	0.00	P
ATOM	852	H3	T B	9	-29.570	-16.074	42.207	1.00	0.00	H
ATOM	853	H6	T B	9	-26.642	-13.747	39.166	1.00	0.00	H
ATOM	854	H1'	T B	9	-27.457	-17.286	38.440	1.00	0.00	H
ATOM	855	H3'	T B	9	-25.011	-15.321	36.070	1.00	0.00	H
ATOM	856	H4'	T B	9	-23.886	-17.031	37.750	1.00	0.00	H
ATOM	857	H71	T B	9	-28.076	-11.542	40.246	1.00	0.00	H
ATOM	858	H72	T B	9	-28.151	-11.796	42.007	1.00	0.00	H
ATOM	859	H73	T B	9	-26.590	-11.907	41.157	1.00	0.00	H
ATOM	860	H2'1	T B	9	-26.787	-14.496	37.458	1.00	0.00	H
ATOM	861	H2'2	T B	9	-27.618	-15.789	36.606	1.00	0.00	H
ATOM	862	H5'1	T B	9	-23.682	-15.194	39.573	1.00	0.00	H
ATOM	863	H5'2	T B	9	-22.948	-14.952	37.974	1.00	0.00	H
ATOM	864	C1'	A B	10	-30.857	-19.147	37.485	1.00	0.00	C
ATOM	865	N1	A B	10	-33.129	-16.388	41.168	1.00	0.00	N
ATOM	866	C2	A B	10	-33.159	-17.683	40.867	1.00	0.00	C
ATOM	867	N3	A B	10	-32.545	-18.331	39.901	1.00	0.00	N
ATOM	868	C4	A B	10	-31.809	-17.481	39.163	1.00	0.00	C

ATOM	869	C5	A B	10	-31.672	-16.131	39.338	1.00	0.00	C
ATOM	870	C6	A B	10	-32.385	-15.564	40.414	1.00	0.00	C
ATOM	871	N6	A B	10	-32.346	-14.252	40.708	1.00	0.00	N
ATOM	872	N7	A B	10	-30.830	-15.587	38.384	1.00	0.00	N
ATOM	873	C8	A B	10	-30.483	-16.607	37.657	1.00	0.00	C
ATOM	874	N9	A B	10	-31.036	-17.791	38.072	1.00	0.00	N
ATOM	875	C2'	A B	10	-30.776	-19.151	35.965	1.00	0.00	C
ATOM	876	C3'	A B	10	-29.771	-20.262	35.703	1.00	0.00	C
ATOM	877	O3'	A B	10	-30.450	-21.516	35.703	1.00	0.00	O
ATOM	878	C4'	A B	10	-28.805	-20.130	36.880	1.00	0.00	C
ATOM	879	O4'	A B	10	-29.647	-19.678	37.989	1.00	0.00	O
ATOM	880	C5'	A B	10	-27.667	-19.153	36.707	1.00	0.00	C
ATOM	881	O5'	A B	10	-28.121	-17.998	35.956	1.00	0.00	O
ATOM	882	O1P	A B	10	-26.812	-18.148	33.811	1.00	0.00	O
ATOM	883	O2P	A B	10	-27.603	-15.918	34.646	1.00	0.00	O
ATOM	884	P	A B	10	-27.100	-17.276	34.966	1.00	0.00	P
ATOM	885	H2	A B	10	-33.785	-18.296	41.515	1.00	0.00	H
ATOM	886	H8	A B	10	-29.815	-16.528	36.799	1.00	0.00	H
ATOM	887	H1'	A B	10	-31.673	-19.779	37.834	1.00	0.00	H
ATOM	888	H3'	A B	10	-29.254	-20.130	34.754	1.00	0.00	H
ATOM	889	H4'	A B	10	-28.374	-21.117	37.048	1.00	0.00	H
ATOM	890	H61	A B	10	-32.884	-13.889	41.507	1.00	0.00	H
ATOM	891	H62	A B	10	-31.779	-13.613	40.134	1.00	0.00	H
ATOM	892	H2'1	A B	10	-30.425	-18.199	35.566	1.00	0.00	H
ATOM	893	H2'2	A B	10	-31.737	-19.369	35.499	1.00	0.00	H
ATOM	894	H5'1	A B	10	-27.314	-18.837	37.689	1.00	0.00	H
ATOM	895	H5'2	A B	10	-26.853	-19.641	36.174	1.00	0.00	H
ATOM	896	C1'	G B	11	-35.580	-20.576	38.030	1.00	0.00	C
ATOM	897	N1	G B	11	-36.228	-15.844	39.825	1.00	0.00	N
ATOM	898	C2	G B	11	-36.732	-17.047	40.289	1.00	0.00	C
ATOM	899	N2	G B	11	-37.513	-16.979	41.374	1.00	0.00	N
ATOM	900	N3	G B	11	-36.475	-18.222	39.716	1.00	0.00	N
ATOM	901	C4	G B	11	-35.673	-18.101	38.626	1.00	0.00	C
ATOM	902	C5	G B	11	-35.129	-16.947	38.089	1.00	0.00	C
ATOM	903	C6	G B	11	-35.397	-15.699	38.697	1.00	0.00	C
ATOM	904	O6	G B	11	-35.010	-14.577	38.371	1.00	0.00	O
ATOM	905	N7	G B	11	-34.361	-17.254	36.963	1.00	0.00	N
ATOM	906	C8	G B	11	-34.460	-18.554	36.858	1.00	0.00	C
ATOM	907	N9	G B	11	-35.242	-19.141	37.831	1.00	0.00	N
ATOM	908	C2'	G B	11	-35.802	-21.340	36.732	1.00	0.00	C
ATOM	909	C3'	G B	11	-35.231	-22.708	37.067	1.00	0.00	C
ATOM	910	O3'	G B	11	-36.229	-23.482	37.728	1.00	0.00	O
ATOM	911	C4'	G B	11	-34.058	-22.372	37.987	1.00	0.00	C
ATOM	912	O4'	G B	11	-34.502	-21.183	38.715	1.00	0.00	O
ATOM	913	C5'	G B	11	-32.743	-22.062	37.311	1.00	0.00	C
ATOM	914	O5'	G B	11	-32.983	-21.338	36.079	1.00	0.00	O
ATOM	915	O1P	G B	11	-32.216	-22.944	34.300	1.00	0.00	O
ATOM	916	O2P	G B	11	-32.152	-20.474	33.871	1.00	0.00	O
ATOM	917	P	G B	11	-32.010	-21.587	34.840	1.00	0.00	P
ATOM	918	H1	G B	11	-36.481	-14.991	40.344	1.00	0.00	H
ATOM	919	H8	G B	11	-33.969	-19.123	36.069	1.00	0.00	H
ATOM	920	H1'	G B	11	-36.460	-20.634	38.673	1.00	0.00	H
ATOM	921	H21	G B	11	-37.704	-16.067	41.813	1.00	0.00	H
ATOM	922	H3'	G B	11	-34.893	-23.239	36.178	1.00	0.00	H

ATOM	923	H22	G B	11	-37.922	-17.838	41.767	1.00	0.00	H
ATOM	924	H4'	G B	11	-33.905	-23.235	38.634	1.00	0.00	H
ATOM	925	H2'1	G B	11	-35.277	-20.886	35.891	1.00	0.00	H
ATOM	926	H2'2	G B	11	-36.856	-21.404	36.465	1.00	0.00	H
ATOM	927	H5'1	G B	11	-32.131	-21.458	37.980	1.00	0.00	H
ATOM	928	H5'2	G B	11	-32.225	-22.996	37.095	1.00	0.00	H
ATOM	929	C1'	G B	12	-40.320	-19.903	39.301	1.00	0.00	C
ATOM	930	N1	G B	12	-39.253	-14.984	38.468	1.00	0.00	N
ATOM	931	C2	G B	12	-39.981	-15.576	39.486	1.00	0.00	C
ATOM	932	N2	G B	12	-40.494	-14.745	40.403	1.00	0.00	N
ATOM	933	N3	G B	12	-40.179	-16.888	39.581	1.00	0.00	N
ATOM	934	C4	G B	12	-39.595	-17.574	38.564	1.00	0.00	C
ATOM	935	C5	G B	12	-38.856	-17.072	37.508	1.00	0.00	C
ATOM	936	C6	G B	12	-38.641	-15.679	37.407	1.00	0.00	C
ATOM	937	O6	G B	12	-38.020	-15.048	36.551	1.00	0.00	O
ATOM	938	N7	G B	12	-38.431	-18.111	36.677	1.00	0.00	N
ATOM	939	C8	G B	12	-38.912	-19.186	37.245	1.00	0.00	C
ATOM	940	N9	G B	12	-39.632	-18.942	38.396	1.00	0.00	N
ATOM	941	C2'	G B	12	-40.987	-21.061	38.571	1.00	0.00	C
ATOM	942	C3'	G B	12	-40.775	-22.213	39.542	1.00	0.00	C
ATOM	943	O3'	G B	12	-41.810	-22.194	40.523	1.00	0.00	O
ATOM	944	C4'	G B	12	-39.405	-21.903	40.142	1.00	0.00	C
ATOM	945	O4'	G B	12	-39.349	-20.441	40.177	1.00	0.00	O
ATOM	946	C5'	G B	12	-38.206	-22.414	39.378	1.00	0.00	C
ATOM	947	O5'	G B	12	-38.457	-22.322	37.954	1.00	0.00	O
ATOM	948	O1P	G B	12	-38.523	-24.728	37.217	1.00	0.00	O
ATOM	949	O2P	G B	12	-37.843	-22.938	35.596	1.00	0.00	O
ATOM	950	P	G B	12	-37.843	-23.437	36.992	1.00	0.00	P
ATOM	951	H1	G B	12	-39.152	-13.958	38.489	1.00	0.00	H
ATOM	952	H8	G B	12	-38.759	-20.189	36.845	1.00	0.00	H
ATOM	953	H1'	G B	12	-41.043	-19.350	39.900	1.00	0.00	H
ATOM	954	H21	G B	12	-40.333	-13.730	40.324	1.00	0.00	H
ATOM	955	H3'	G B	12	-40.774	-23.178	39.037	1.00	0.00	H
ATOM	956	H22	G B	12	-41.048	-15.122	41.184	1.00	0.00	H
ATOM	957	H4'	G B	12	-39.384	-22.353	41.134	1.00	0.00	H
ATOM	958	H2'1	G B	12	-40.522	-21.265	37.607	1.00	0.00	H
ATOM	959	H2'2	G B	12	-42.047	-20.882	38.393	1.00	0.00	H
ATOM	960	H5'1	G B	12	-37.334	-21.815	39.638	1.00	0.00	H
ATOM	961	H5'2	G B	12	-38.023	-23.453	39.653	1.00	0.00	H
ATOM	962	C1'	T B	13	-44.358	-17.172	40.157	1.00	0.00	C
ATOM	963	N1	T B	13	-43.607	-17.018	38.883	1.00	0.00	N
ATOM	964	C2	T B	13	-43.245	-15.737	38.514	1.00	0.00	C
ATOM	965	O2	T B	13	-43.518	-14.757	39.185	1.00	0.00	O
ATOM	966	N3	T B	13	-42.548	-15.640	37.324	1.00	0.00	N
ATOM	967	C4	T B	13	-42.194	-16.681	36.492	1.00	0.00	C
ATOM	968	O4	T B	13	-41.570	-16.471	35.445	1.00	0.00	O
ATOM	969	C5	T B	13	-42.614	-17.982	36.960	1.00	0.00	C
ATOM	970	C6	T B	13	-43.294	-18.114	38.116	1.00	0.00	C
ATOM	971	C7	T B	13	-42.247	-19.145	36.088	1.00	0.00	C
ATOM	972	C2'	T B	13	-45.441	-18.242	40.106	1.00	0.00	C
ATOM	973	C3'	T B	13	-45.384	-18.818	41.512	1.00	0.00	C
ATOM	974	O3'	T B	13	-46.178	-18.013	42.380	1.00	0.00	O
ATOM	975	C4'	T B	13	-43.897	-18.741	41.851	1.00	0.00	C
ATOM	976	O4'	T B	13	-43.432	-17.536	41.162	1.00	0.00	O

ATOM	977	C5'	T B	13	-43.045	-19.909	41.410	1.00	0.00	C
ATOM	978	O5'	T B	13	-43.516	-20.401	40.129	1.00	0.00	O
ATOM	979	O1P	T B	13	-44.378	-22.702	40.671	1.00	0.00	O
ATOM	980	O2P	T B	13	-43.534	-22.190	38.364	1.00	0.00	O
ATOM	981	P	T B	13	-43.419	-21.963	39.825	1.00	0.00	P
ATOM	982	H3	T B	13	-42.264	-14.695	37.030	1.00	0.00	H
ATOM	983	H6	T B	13	-43.601	-19.105	38.449	1.00	0.00	H
ATOM	984	H1'	T B	13	-44.779	-16.203	40.425	1.00	0.00	H
ATOM	985	H3'	T B	13	-45.743	-19.847	41.546	1.00	0.00	H
ATOM	986	H4'	T B	13	-43.823	-18.668	42.936	1.00	0.00	H
ATOM	987	H71	T B	13	-43.153	-19.597	35.684	1.00	0.00	H
ATOM	988	H72	T B	13	-41.617	-18.799	35.266	1.00	0.00	H
ATOM	989	H73	T B	13	-41.703	-19.885	36.676	1.00	0.00	H
ATOM	990	H2'1	T B	13	-45.234	-19.004	39.356	1.00	0.00	H
ATOM	991	H2'2	T B	13	-46.425	-17.826	39.888	1.00	0.00	H
ATOM	992	H5'1	T B	13	-42.009	-19.584	41.322	1.00	0.00	H
ATOM	993	H5'2	T B	13	-43.111	-20.701	42.154	1.00	0.00	H
ATOM	994	C1'	G B	14	-47.202	-13.146	39.562	1.00	0.00	C
ATOM	995	N1	G B	14	-44.775	-12.770	35.090	1.00	0.00	N
ATOM	996	C2	G B	14	-45.106	-11.787	36.006	1.00	0.00	C
ATOM	997	N2	G B	14	-44.743	-10.539	35.689	1.00	0.00	N
ATOM	998	N3	G B	14	-45.746	-12.032	37.149	1.00	0.00	N
ATOM	999	C4	G B	14	-46.041	-13.350	37.304	1.00	0.00	C
ATOM	1000	C5	G B	14	-45.756	-14.396	36.444	1.00	0.00	C
ATOM	1001	C6	G B	14	-45.073	-14.139	35.233	1.00	0.00	C
ATOM	1002	O6	G B	14	-44.734	-14.928	34.349	1.00	0.00	O
ATOM	1003	N7	G B	14	-46.231	-15.599	36.971	1.00	0.00	N
ATOM	1004	C8	G B	14	-46.775	-15.251	38.110	1.00	0.00	C
ATOM	1005	N9	G B	14	-46.700	-13.900	38.381	1.00	0.00	N
ATOM	1006	C2'	G B	14	-48.536	-13.655	40.093	1.00	0.00	C
ATOM	1007	C3'	G B	14	-48.377	-13.459	41.592	1.00	0.00	C
ATOM	1008	O3'	G B	14	-48.720	-12.116	41.927	1.00	0.00	O
ATOM	1009	C4'	G B	14	-46.894	-13.749	41.816	1.00	0.00	C
ATOM	1010	O4'	G B	14	-46.245	-13.274	40.594	1.00	0.00	O
ATOM	1011	C5'	G B	14	-46.518	-15.195	42.033	1.00	0.00	C
ATOM	1012	O5'	G B	14	-47.348	-16.047	41.204	1.00	0.00	O
ATOM	1013	O1P	G B	14	-48.715	-17.337	42.878	1.00	0.00	O
ATOM	1014	O2P	G B	14	-48.222	-18.332	40.629	1.00	0.00	O
ATOM	1015	P	G B	14	-47.767	-17.484	41.757	1.00	0.00	P
ATOM	1016	H1	G B	14	-44.272	-12.476	34.239	1.00	0.00	H
ATOM	1017	H8	G B	14	-47.247	-15.966	38.784	1.00	0.00	H
ATOM	1018	H1'	G B	14	-47.266	-12.091	39.292	1.00	0.00	H
ATOM	1019	H21	G B	14	-44.245	-10.358	34.804	1.00	0.00	H
ATOM	1020	H3'	G B	14	-49.002	-14.145	42.162	1.00	0.00	H
ATOM	1021	H22	G B	14	-44.963	-9.761	36.327	1.00	0.00	H
ATOM	1022	H4'	G B	14	-46.593	-13.190	42.703	1.00	0.00	H
ATOM	1023	H2'1	G B	14	-48.707	-14.702	39.845	1.00	0.00	H
ATOM	1024	H2'2	G B	14	-49.380	-13.085	39.705	1.00	0.00	H
ATOM	1025	H5'1	G B	14	-45.470	-15.336	41.772	1.00	0.00	H
ATOM	1026	H5'2	G B	14	-46.663	-15.449	43.083	1.00	0.00	H
ATOM	1027	C1'	C B	15	-48.860	-9.190	37.086	1.00	0.00	C
ATOM	1028	N1	C B	15	-48.818	-10.527	36.435	1.00	0.00	N
ATOM	1029	C2	C B	15	-48.193	-10.630	35.194	1.00	0.00	C
ATOM	1030	O2	C B	15	-47.702	-9.613	34.688	1.00	0.00	O

ATOM	1031	N3	C B	15	-48.144	-11.840	34.584	1.00	0.00	N
ATOM	1032	C4	C B	15	-48.686	-12.922	35.157	1.00	0.00	C
ATOM	1033	N4	C B	15	-48.606	-14.080	34.518	1.00	0.00	N
ATOM	1034	C5	C B	15	-49.340	-12.845	36.432	1.00	0.00	C
ATOM	1035	C6	C B	15	-49.373	-11.619	37.028	1.00	0.00	C
ATOM	1036	C2'	C B	15	-50.162	-8.906	37.822	1.00	0.00	C
ATOM	1037	C3'	C B	15	-49.681	-8.099	39.018	1.00	0.00	C
ATOM	1038	O3'	C B	15	-49.561	-6.728	38.641	1.00	0.00	O
ATOM	1039	C4'	C B	15	-48.328	-8.731	39.333	1.00	0.00	C
ATOM	1040	O4'	C B	15	-47.805	-9.136	38.028	1.00	0.00	O
ATOM	1041	C5'	C B	15	-48.346	-9.940	40.241	1.00	0.00	C
ATOM	1042	O5'	C B	15	-49.522	-10.741	39.965	1.00	0.00	O
ATOM	1043	O1P	C B	15	-50.869	-10.549	42.084	1.00	0.00	O
ATOM	1044	O2P	C B	15	-51.102	-12.581	40.630	1.00	0.00	O
ATOM	1045	P	C B	15	-50.224	-11.515	41.170	1.00	0.00	P
ATOM	1046	H5	C B	15	-49.788	-13.723	36.898	1.00	0.00	H
ATOM	1047	H6	C B	15	-49.854	-11.511	38.002	1.00	0.00	H
ATOM	1048	H1'	C B	15	-48.669	-8.434	36.324	1.00	0.00	H
ATOM	1049	H3'	C B	15	-50.361	-8.182	39.866	1.00	0.00	H
ATOM	1050	H4'	C B	15	-47.723	-7.963	39.815	1.00	0.00	H
ATOM	1051	H41	C B	15	-49.012	-14.929	34.938	1.00	0.00	H
ATOM	1052	H42	C B	15	-48.138	-14.132	33.601	1.00	0.00	H
ATOM	1053	H2'1	C B	15	-50.667	-9.819	38.137	1.00	0.00	H
ATOM	1054	H2'2	C B	15	-50.866	-8.336	37.215	1.00	0.00	H
ATOM	1055	H5'1	C B	15	-47.448	-10.532	40.067	1.00	0.00	H
ATOM	1056	H5'2	C B	15	-48.363	-9.607	41.278	1.00	0.00	H
ATOM	1057	C1'	G B	16	-49.763	-6.570	32.982	1.00	0.00	C
ATOM	1058	N1	G B	16	-49.808	-11.155	30.747	1.00	0.00	N
ATOM	1059	C2	G B	16	-49.241	-9.966	30.323	1.00	0.00	C
ATOM	1060	N2	G B	16	-48.603	-10.004	29.146	1.00	0.00	N
ATOM	1061	N3	G B	16	-49.305	-8.831	31.018	1.00	0.00	N
ATOM	1062	C4	G B	16	-49.994	-8.976	32.180	1.00	0.00	C
ATOM	1063	C5	G B	16	-50.596	-10.118	32.680	1.00	0.00	C
ATOM	1064	C6	G B	16	-50.526	-11.324	31.945	1.00	0.00	C
ATOM	1065	O6	G B	16	-50.992	-12.430	32.222	1.00	0.00	O
ATOM	1066	N7	G B	16	-51.206	-9.845	33.907	1.00	0.00	N
ATOM	1067	C8	G B	16	-50.958	-8.576	34.107	1.00	0.00	C
ATOM	1068	N9	G B	16	-50.227	-7.978	33.101	1.00	0.00	N
ATOM	1069	C2'	G B	16	-50.765	-5.548	33.500	1.00	0.00	C
ATOM	1070	C3'	G B	16	-49.857	-4.491	34.108	1.00	0.00	C
ATOM	1071	O3'	G B	16	-49.428	-3.597	33.084	1.00	0.00	O
ATOM	1072	C4'	G B	16	-48.703	-5.319	34.672	1.00	0.00	C
ATOM	1073	O4'	G B	16	-48.577	-6.441	33.741	1.00	0.00	O
ATOM	1074	C5'	G B	16	-48.889	-5.866	36.067	1.00	0.00	C
ATOM	1075	O5'	G B	16	-50.273	-6.248	36.264	1.00	0.00	O
ATOM	1076	O1P	G B	16	-51.079	-4.634	38.019	1.00	0.00	O
ATOM	1077	O2P	G B	16	-52.150	-6.892	37.805	1.00	0.00	O
ATOM	1078	P	G B	16	-50.921	-6.067	37.711	1.00	0.00	P
ATOM	1079	H1	G B	16	-49.695	-11.979	30.137	1.00	0.00	H
ATOM	1080	H8	G B	16	-51.298	-8.038	34.992	1.00	0.00	H
ATOM	1081	H1'	G B	16	-49.514	-6.379	31.938	1.00	0.00	H
ATOM	1082	H21	G B	16	-48.554	-10.885	28.616	1.00	0.00	H
ATOM	1083	H3'	G B	16	-50.356	-3.926	34.895	1.00	0.00	H
ATOM	1084	H22	G B	16	-48.161	-9.151	28.775	1.00	0.00	H

ATOM	1085	H4'	G B	16	-47.825	-4.673	34.682	1.00	0.00	H
ATOM	1086	H2'1	G B	16	-51.438	-5.970	34.247	1.00	0.00	H
ATOM	1087	H2'2	G B	16	-51.381	-5.131	32.703	1.00	0.00	H
ATOM	1088	H5'1	G B	16	-48.245	-6.736	36.199	1.00	0.00	H
ATOM	1089	H5'2	G B	16	-48.611	-5.101	36.791	1.00	0.00	H
ATOM	1090	C1'	G B	17	-50.636	-6.058	28.134	1.00	0.00	C
ATOM	1091	N1	G B	17	-52.395	-10.831	28.526	1.00	0.00	N
ATOM	1092	C2	G B	17	-51.604	-10.253	27.548	1.00	0.00	C
ATOM	1093	N2	G B	17	-51.234	-11.053	26.541	1.00	0.00	N
ATOM	1094	N3	G B	17	-51.213	-8.981	27.575	1.00	0.00	N
ATOM	1095	C4	G B	17	-51.686	-8.318	28.663	1.00	0.00	C
ATOM	1096	C5	G B	17	-52.481	-8.809	29.684	1.00	0.00	C
ATOM	1097	C6	G B	17	-52.894	-10.160	29.659	1.00	0.00	C
ATOM	1098	O6	G B	17	-53.594	-10.774	30.465	1.00	0.00	O
ATOM	1099	N7	G B	17	-52.748	-7.803	30.615	1.00	0.00	N
ATOM	1100	C8	G B	17	-52.118	-6.759	30.142	1.00	0.00	C
ATOM	1101	N9	G B	17	-51.450	-6.993	28.958	1.00	0.00	N
ATOM	1102	C2'	G B	17	-51.192	-4.642	28.084	1.00	0.00	C
ATOM	1103	C3'	G B	17	-49.925	-3.803	28.056	1.00	0.00	C
ATOM	1104	O3'	G B	17	-49.460	-3.701	26.712	1.00	0.00	O
ATOM	1105	C4'	G B	17	-48.969	-4.603	28.939	1.00	0.00	C
ATOM	1106	O4'	G B	17	-49.342	-5.998	28.701	1.00	0.00	O
ATOM	1107	C5'	G B	17	-49.038	-4.330	30.423	1.00	0.00	C
ATOM	1108	O5'	G B	17	-50.411	-4.080	30.812	1.00	0.00	O
ATOM	1109	O1P	G B	17	-50.384	-1.666	31.524	1.00	0.00	O
ATOM	1110	O2P	G B	17	-52.072	-3.243	32.503	1.00	0.00	O
ATOM	1111	P	G B	17	-50.699	-3.033	31.981	1.00	0.00	P
ATOM	1112	H1	G B	17	-52.638	-11.827	28.414	1.00	0.00	H
ATOM	1113	H8	G B	17	-52.120	-5.789	30.639	1.00	0.00	H
ATOM	1114	H1'	G B	17	-50.544	-6.478	27.133	1.00	0.00	H
ATOM	1115	H21	G B	17	-51.537	-12.038	26.528	1.00	0.00	H
ATOM	1116	H3'	G B	17	-50.087	-2.803	28.459	1.00	0.00	H
ATOM	1117	H22	G B	17	-50.647	-10.683	25.780	1.00	0.00	H
ATOM	1118	H4'	G B	17	-47.958	-4.370	28.605	1.00	0.00	H
ATOM	1119	H2'1	G B	17	-51.805	-4.407	28.954	1.00	0.00	H
ATOM	1120	H2'2	G B	17	-51.803	-4.468	27.198	1.00	0.00	H
ATOM	1121	H5'1	G B	17	-48.653	-5.195	30.964	1.00	0.00	H
ATOM	1122	H5'2	G B	17	-48.424	-3.460	30.655	1.00	0.00	H
ATOM	1123	C1'	C B	18	-52.218	-7.626	23.710	1.00	0.00	C
ATOM	1124	N1	C B	18	-53.095	-7.730	24.909	1.00	0.00	N
ATOM	1125	C2	C B	18	-53.675	-8.966	25.186	1.00	0.00	C
ATOM	1126	O2	C B	18	-53.441	-9.919	24.431	1.00	0.00	O
ATOM	1127	N3	C B	18	-54.477	-9.081	26.272	1.00	0.00	N
ATOM	1128	C4	C B	18	-54.711	-8.031	27.069	1.00	0.00	C
ATOM	1129	N4	C B	18	-55.502	-8.202	28.119	1.00	0.00	N
ATOM	1130	C5	C B	18	-54.129	-6.749	26.806	1.00	0.00	C
ATOM	1131	C6	C B	18	-53.324	-6.657	25.710	1.00	0.00	C
ATOM	1132	C2'	C B	18	-52.355	-6.306	22.962	1.00	0.00	C
ATOM	1133	C3'	C B	18	-50.930	-6.058	22.492	1.00	0.00	C
ATOM	1134	O3'	C B	18	-50.710	-6.763	21.272	1.00	0.00	O
ATOM	1135	C4'	C B	18	-50.092	-6.617	23.640	1.00	0.00	C
ATOM	1136	O4'	C B	18	-50.877	-7.743	24.147	1.00	0.00	O
ATOM	1137	C5'	C B	18	-49.807	-5.673	24.784	1.00	0.00	C
ATOM	1138	O5'	C B	18	-50.960	-4.825	25.019	1.00	0.00	O

ATOM	1139	O1P	C B	18	-50.127	-2.527	24.417	1.00	0.00	O
ATOM	1140	O2P	C B	18	-51.980	-2.792	26.088	1.00	0.00	O
ATOM	1141	P	C B	18	-50.724	-3.326	25.506	1.00	0.00	P
ATOM	1142	H5	C B	18	-54.320	-5.891	27.450	1.00	0.00	H
ATOM	1143	H6	C B	18	-52.856	-5.702	25.472	1.00	0.00	H
ATOM	1144	H1'	C B	18	-52.433	-8.470	23.056	1.00	0.00	H
ATOM	1145	H3'	C B	18	-50.730	-4.999	22.338	1.00	0.00	H
ATOM	1146	H4'	C B	18	-49.135	-6.921	23.216	1.00	0.00	H
ATOM	1147	H41	C B	18	-55.697	-7.410	28.750	1.00	0.00	H
ATOM	1148	H42	C B	18	-55.919	-9.124	28.305	1.00	0.00	H
ATOM	1149	H2'1	C B	18	-52.706	-5.501	23.605	1.00	0.00	H
ATOM	1150	H2'2	C B	18	-53.045	-6.378	22.121	1.00	0.00	H
ATOM	1151	H5'1	C B	18	-49.588	-6.252	25.682	1.00	0.00	H
ATOM	1152	H5'2	C B	18	-48.944	-5.058	24.535	1.00	0.00	H
ATOM	1153	C1'	C B	19	-54.977	-10.446	20.717	1.00	0.00	C
ATOM	1154	N1	C B	19	-55.607	-9.672	21.821	1.00	0.00	N
ATOM	1155	C2	C B	19	-56.452	-10.351	22.697	1.00	0.00	C
ATOM	1156	O2	C B	19	-56.642	-11.562	22.524	1.00	0.00	O
ATOM	1157	N3	C B	19	-57.035	-9.663	23.707	1.00	0.00	N
ATOM	1158	C4	C B	19	-56.809	-8.352	23.868	1.00	0.00	C
ATOM	1159	N4	C B	19	-57.404	-7.730	24.872	1.00	0.00	N
ATOM	1160	C5	C B	19	-55.947	-7.631	22.982	1.00	0.00	C
ATOM	1161	C6	C B	19	-55.370	-8.343	21.973	1.00	0.00	C
ATOM	1162	C2'	C B	19	-54.873	-9.677	19.409	1.00	0.00	C
ATOM	1163	C3'	C B	19	-53.549	-10.179	18.851	1.00	0.00	C
ATOM	1164	O3'	C B	19	-53.770	-11.401	18.150	1.00	0.00	O
ATOM	1165	C4'	C B	19	-52.704	-10.378	20.106	1.00	0.00	C
ATOM	1166	O4'	C B	19	-53.667	-10.791	21.128	1.00	0.00	O
ATOM	1167	C5'	C B	19	-51.956	-9.166	20.612	1.00	0.00	C
ATOM	1168	O5'	C B	19	-52.756	-7.975	20.407	1.00	0.00	O
ATOM	1169	O1P	C B	19	-51.435	-6.670	18.709	1.00	0.00	O
ATOM	1170	O2P	C B	19	-52.940	-5.471	20.320	1.00	0.00	O
ATOM	1171	P	C B	19	-52.018	-6.605	20.064	1.00	0.00	P
ATOM	1172	H5	C B	19	-55.762	-6.564	23.107	1.00	0.00	H
ATOM	1173	H6	C B	19	-54.705	-7.835	21.274	1.00	0.00	H
ATOM	1174	H1'	C B	19	-55.541	-11.370	20.585	1.00	0.00	H
ATOM	1175	H3'	C B	19	-53.090	-9.454	18.178	1.00	0.00	H
ATOM	1176	H4'	C B	19	-51.970	-11.150	19.876	1.00	0.00	H
ATOM	1177	H41	C B	19	-57.247	-6.722	25.021	1.00	0.00	H
ATOM	1178	H42	C B	19	-58.025	-8.253	25.509	1.00	0.00	H
ATOM	1179	H2'1	C B	19	-54.854	-8.599	19.563	1.00	0.00	H
ATOM	1180	H2'2	C B	19	-55.699	-9.898	18.732	1.00	0.00	H
ATOM	1181	H5'1	C B	19	-51.746	-9.292	21.673	1.00	0.00	H
ATOM	1182	H5'2	C B	19	-51.016	-9.076	20.069	1.00	0.00	H
ATOM	1183	C1'	T B	20	-58.918	-13.224	19.597	1.00	0.00	C
ATOM	1184	N1	T B	20	-59.099	-11.869	20.183	1.00	0.00	N
ATOM	1185	C2	T B	20	-59.923	-11.765	21.286	1.00	0.00	C
ATOM	1186	O2	T B	20	-60.491	-12.724	21.779	1.00	0.00	O
ATOM	1187	N3	T B	20	-60.063	-10.489	21.797	1.00	0.00	N
ATOM	1188	C4	T B	20	-59.470	-9.342	21.318	1.00	0.00	C
ATOM	1189	O4	T B	20	-59.673	-8.249	21.862	1.00	0.00	O
ATOM	1190	C5	T B	20	-58.627	-9.550	20.165	1.00	0.00	C
ATOM	1191	C6	T B	20	-58.467	-10.779	19.639	1.00	0.00	C
ATOM	1192	C7	T B	20	-57.960	-8.327	19.610	1.00	0.00	C

ATOM	1193	C2'	T B	20	-58.839	-13.228	18.075	1.00	0.00	C
ATOM	1194	C3'	T B	20	-57.830	-14.337	17.814	1.00	0.00	C
ATOM	1195	O3'	T B	20	-58.505	-15.593	17.812	1.00	0.00	O
ATOM	1196	C4'	T B	20	-56.863	-14.201	18.988	1.00	0.00	C
ATOM	1197	O4'	T B	20	-57.705	-13.752	20.098	1.00	0.00	O
ATOM	1198	C5'	T B	20	-55.729	-13.219	18.814	1.00	0.00	C
ATOM	1199	O5'	T B	20	-56.189	-12.066	18.062	1.00	0.00	O
ATOM	1200	O1P	T B	20	-54.883	-12.212	15.916	1.00	0.00	O
ATOM	1201	O2P	T B	20	-55.681	-9.984	16.752	1.00	0.00	O
ATOM	1202	P	T B	20	-55.172	-11.340	17.072	1.00	0.00	P
ATOM	1203	H3	T B	20	-60.672	-10.385	22.621	1.00	0.00	H
ATOM	1204	H6	T B	20	-57.825	-10.912	18.768	1.00	0.00	H
ATOM	1205	H1'	T B	20	-59.730	-13.860	19.947	1.00	0.00	H
ATOM	1206	H3'	T B	20	-57.316	-14.203	16.863	1.00	0.00	H
ATOM	1207	H4'	T B	20	-56.427	-15.187	19.154	1.00	0.00	H
ATOM	1208	H3T	T B	20	-59.261	-15.649	17.224	1.00	0.00	H
ATOM	1209	H71	T B	20	-58.348	-8.122	18.612	1.00	0.00	H
ATOM	1210	H72	T B	20	-58.161	-7.475	20.261	1.00	0.00	H
ATOM	1211	H73	T B	20	-56.883	-8.493	19.554	1.00	0.00	H
ATOM	1212	H2'1	T B	20	-58.493	-12.276	17.677	1.00	0.00	H
ATOM	1213	H2'2	T B	20	-59.800	-13.449	17.612	1.00	0.00	H
ATOM	1214	H5'1	T B	20	-55.375	-12.902	19.795	1.00	0.00	H
ATOM	1215	H5'2	T B	20	-54.915	-13.705	18.279	1.00	0.00	H
TER										
ATOM	1	C1'	A A	1	-33.552	-27.131	5.410	1.00	0.00	C
ATOM	2	N1	A A	1	-31.101	-22.993	3.622	1.00	0.00	N
ATOM	3	C2	A A	1	-30.792	-24.286	3.631	1.00	0.00	C
ATOM	4	N3	A A	1	-31.474	-25.306	4.108	1.00	0.00	N
ATOM	5	C4	A A	1	-32.630	-24.881	4.648	1.00	0.00	C
ATOM	6	C5	A A	1	-33.092	-23.597	4.720	1.00	0.00	C
ATOM	7	C6	A A	1	-32.262	-22.599	4.167	1.00	0.00	C
ATOM	8	N6	A A	1	-32.584	-21.294	4.165	1.00	0.00	N
ATOM	9	N7	A A	1	-34.325	-23.544	5.347	1.00	0.00	N
ATOM	10	C8	A A	1	-34.579	-24.785	5.639	1.00	0.00	C
ATOM	11	N9	A A	1	-33.596	-25.654	5.244	1.00	0.00	N
ATOM	12	C2'	A A	1	-34.133	-27.618	6.731	1.00	0.00	C
ATOM	13	C3'	A A	1	-34.790	-28.927	6.324	1.00	0.00	C
ATOM	14	O3'	A A	1	-33.813	-29.965	6.336	1.00	0.00	O
ATOM	15	C4'	A A	1	-35.300	-28.630	4.915	1.00	0.00	C
ATOM	16	O4'	A A	1	-34.309	-27.705	4.362	1.00	0.00	O
ATOM	17	C5'	A A	1	-36.665	-27.990	4.817	1.00	0.00	C
ATOM	18	O5'	A A	1	-36.851	-27.058	5.912	1.00	0.00	O
ATOM	19	H2	A A	1	-29.834	-24.539	3.176	1.00	0.00	H
ATOM	20	H8	A A	1	-35.488	-25.104	6.149	1.00	0.00	H
ATOM	21	H1'	A A	1	-32.518	-27.457	5.294	1.00	0.00	H
ATOM	22	H3'	A A	1	-35.611	-29.197	6.991	1.00	0.00	H
ATOM	23	H4'	A A	1	-35.339	-29.581	4.386	1.00	0.00	H
ATOM	24	H61	A A	1	-31.944	-20.607	3.748	1.00	0.00	H
ATOM	25	H62	A A	1	-33.474	-20.985	4.583	1.00	0.00	H
ATOM	26	H5T	A A	1	-37.728	-26.954	6.285	1.00	0.00	H
ATOM	27	H2'1	A A	1	-34.860	-26.921	7.145	1.00	0.00	H
ATOM	28	H2'2	A A	1	-33.364	-27.779	7.486	1.00	0.00	H
ATOM	29	H5'1	A A	1	-36.745	-27.463	3.867	1.00	0.00	H
ATOM	30	H5'2	A A	1	-37.428	-28.766	4.861	1.00	0.00	H

ATOM	31	C1'	G A	2	-28.722	-27.378	6.533	1.00	0.00	C
ATOM	32	N1	G A	2	-28.943	-22.295	6.183	1.00	0.00	N
ATOM	33	C2	G A	2	-27.983	-23.173	5.720	1.00	0.00	C
ATOM	34	N2	G A	2	-26.942	-22.627	5.080	1.00	0.00	N
ATOM	35	N3	G A	2	-28.054	-24.494	5.881	1.00	0.00	N
ATOM	36	C4	G A	2	-29.172	-24.871	6.556	1.00	0.00	C
ATOM	37	C5	G A	2	-30.181	-24.065	7.058	1.00	0.00	C
ATOM	38	C6	G A	2	-30.106	-22.663	6.882	1.00	0.00	C
ATOM	39	O6	G A	2	-30.895	-21.792	7.249	1.00	0.00	O
ATOM	40	N7	G A	2	-31.153	-24.845	7.689	1.00	0.00	N
ATOM	41	C8	G A	2	-30.715	-26.070	7.550	1.00	0.00	C
ATOM	42	N9	G A	2	-29.516	-26.167	6.874	1.00	0.00	N
ATOM	43	C2'	G A	2	-28.732	-28.445	7.619	1.00	0.00	C
ATOM	44	C3'	G A	2	-28.726	-29.728	6.805	1.00	0.00	C
ATOM	45	O3'	G A	2	-27.382	-30.054	6.455	1.00	0.00	O
ATOM	46	C4'	G A	2	-29.567	-29.360	5.584	1.00	0.00	C
ATOM	47	O4'	G A	2	-29.279	-27.944	5.362	1.00	0.00	O
ATOM	48	C5'	G A	2	-31.061	-29.535	5.723	1.00	0.00	C
ATOM	49	O5'	G A	2	-31.473	-29.189	7.069	1.00	0.00	O
ATOM	50	O1P	G A	2	-32.279	-31.379	8.011	1.00	0.00	O
ATOM	51	O2P	G A	2	-33.210	-29.220	8.884	1.00	0.00	O
ATOM	52	P	G A	2	-32.684	-29.989	7.730	1.00	0.00	P
ATOM	53	H1	G A	2	-28.794	-21.291	6.003	1.00	0.00	H
ATOM	54	H8	G A	2	-31.249	-26.937	7.936	1.00	0.00	H
ATOM	55	H1'	G A	2	-27.704	-27.065	6.302	1.00	0.00	H
ATOM	56	H21	G A	2	-26.893	-21.606	4.957	1.00	0.00	H
ATOM	57	H3'	G A	2	-29.169	-30.561	7.352	1.00	0.00	H
ATOM	58	H22	G A	2	-26.192	-23.229	4.712	1.00	0.00	H
ATOM	59	H4'	G A	2	-29.232	-29.997	4.766	1.00	0.00	H
ATOM	60	H2'1	G A	2	-29.617	-28.381	8.253	1.00	0.00	H
ATOM	61	H2'2	G A	2	-27.858	-28.382	8.269	1.00	0.00	H
ATOM	62	H5'1	G A	2	-31.565	-28.886	5.006	1.00	0.00	H
ATOM	63	H5'2	G A	2	-31.322	-30.571	5.511	1.00	0.00	H
ATOM	64	C1'	G A	3	-24.258	-25.441	7.454	1.00	0.00	C
ATOM	65	N1	G A	3	-26.948	-21.319	8.791	1.00	0.00	N
ATOM	66	C2	G A	3	-25.784	-21.417	8.053	1.00	0.00	C
ATOM	67	N2	G A	3	-25.265	-20.263	7.614	1.00	0.00	N
ATOM	68	N3	G A	3	-25.185	-22.572	7.774	1.00	0.00	N
ATOM	69	C4	G A	3	-25.843	-23.637	8.303	1.00	0.00	C
ATOM	70	C5	G A	3	-27.007	-23.634	9.054	1.00	0.00	C
ATOM	71	C6	G A	3	-27.646	-22.407	9.346	1.00	0.00	C
ATOM	72	O6	G A	3	-28.676	-22.202	9.990	1.00	0.00	O
ATOM	73	N7	G A	3	-27.356	-24.939	9.408	1.00	0.00	N
ATOM	74	C8	G A	3	-26.417	-25.674	8.871	1.00	0.00	C
ATOM	75	N9	G A	3	-25.461	-24.955	8.183	1.00	0.00	N
ATOM	76	C2'	G A	3	-23.561	-26.613	8.131	1.00	0.00	C
ATOM	77	C3'	G A	3	-23.086	-27.431	6.942	1.00	0.00	C
ATOM	78	O3'	G A	3	-21.838	-26.912	6.487	1.00	0.00	O
ATOM	79	C4'	G A	3	-24.203	-27.226	5.920	1.00	0.00	C
ATOM	80	O4'	G A	3	-24.674	-25.864	6.169	1.00	0.00	O
ATOM	81	C5'	G A	3	-25.378	-28.170	6.014	1.00	0.00	C
ATOM	82	O5'	G A	3	-25.657	-28.470	7.404	1.00	0.00	O
ATOM	83	O1P	G A	3	-25.132	-30.925	7.587	1.00	0.00	O
ATOM	84	O2P	G A	3	-26.811	-29.883	9.132	1.00	0.00	O

ATOM	85	P	G A	3	-26.197	-29.923	7.782	1.00	0.00	P
ATOM	86	H1	G A	3	-27.334	-20.375	8.947	1.00	0.00	H
ATOM	87	H8	G A	3	-26.391	-26.760	8.958	1.00	0.00	H
ATOM	88	H1'	G A	3	-23.574	-24.602	7.325	1.00	0.00	H
ATOM	89	H21	G A	3	-25.736	-19.372	7.831	1.00	0.00	H
ATOM	90	H3'	G A	3	-22.969	-28.486	7.191	1.00	0.00	H
ATOM	91	H22	G A	3	-24.398	-20.268	7.060	1.00	0.00	H
ATOM	92	H4'	G A	3	-23.756	-27.348	4.934	1.00	0.00	H
ATOM	93	H2'1	G A	3	-24.239	-27.188	8.762	1.00	0.00	H
ATOM	94	H2'2	G A	3	-22.726	-26.294	8.754	1.00	0.00	H
ATOM	95	H5'1	G A	3	-26.249	-27.703	5.555	1.00	0.00	H
ATOM	96	H5'2	G A	3	-25.143	-29.089	5.478	1.00	0.00	H
ATOM	97	C1'	C A	4	-21.187	-21.833	8.898	1.00	0.00	C
ATOM	98	N1	C A	4	-22.327	-22.248	9.764	1.00	0.00	N
ATOM	99	C2	C A	4	-23.183	-21.255	10.232	1.00	0.00	C
ATOM	100	O2	C A	4	-22.966	-20.079	9.915	1.00	0.00	O
ATOM	101	N3	C A	4	-24.226	-21.612	11.021	1.00	0.00	N
ATOM	102	C4	C A	4	-24.435	-22.894	11.348	1.00	0.00	C
ATOM	103	N4	C A	4	-25.472	-23.186	12.119	1.00	0.00	N
ATOM	104	C5	C A	4	-23.568	-23.934	10.881	1.00	0.00	C
ATOM	105	C6	C A	4	-22.527	-23.553	10.087	1.00	0.00	C
ATOM	106	C2'	C A	4	-19.908	-22.618	9.151	1.00	0.00	C
ATOM	107	C3'	C A	4	-19.317	-22.721	7.753	1.00	0.00	C
ATOM	108	O3'	C A	4	-18.572	-21.537	7.472	1.00	0.00	O
ATOM	109	C4'	C A	4	-20.555	-22.846	6.869	1.00	0.00	C
ATOM	110	O4'	C A	4	-21.571	-22.044	7.552	1.00	0.00	O
ATOM	111	C5'	C A	4	-21.098	-24.242	6.670	1.00	0.00	C
ATOM	112	O5'	C A	4	-20.948	-25.006	7.893	1.00	0.00	O
ATOM	113	O1P	C A	4	-19.288	-26.791	7.266	1.00	0.00	O
ATOM	114	O2P	C A	4	-20.958	-27.217	9.089	1.00	0.00	O
ATOM	115	P	C A	4	-20.650	-26.570	7.790	1.00	0.00	P
ATOM	116	H5	C A	4	-23.731	-24.978	11.149	1.00	0.00	H
ATOM	117	H6	C A	4	-21.843	-24.310	9.703	1.00	0.00	H
ATOM	118	H1'	C A	4	-21.026	-20.766	9.038	1.00	0.00	H
ATOM	119	H3'	C A	4	-18.667	-23.589	7.648	1.00	0.00	H
ATOM	120	H4'	C A	4	-20.287	-22.451	5.890	1.00	0.00	H
ATOM	121	H41	C A	4	-25.656	-24.165	12.385	1.00	0.00	H
ATOM	122	H42	C A	4	-26.093	-22.436	12.455	1.00	0.00	H
ATOM	123	H2'1	C A	4	-20.102	-23.604	9.572	1.00	0.00	H
ATOM	124	H2'2	C A	4	-19.232	-22.099	9.832	1.00	0.00	H
ATOM	125	H5'1	C A	4	-22.153	-24.182	6.400	1.00	0.00	H
ATOM	126	H5'2	C A	4	-20.549	-24.727	5.863	1.00	0.00	H
ATOM	127	C1'	C A	5	-20.022	-17.724	11.404	1.00	0.00	C
ATOM	128	N1	C A	5	-20.647	-18.882	12.101	1.00	0.00	N
ATOM	129	C2	C A	5	-21.776	-18.641	12.880	1.00	0.00	C
ATOM	130	O2	C A	5	-22.211	-17.484	12.964	1.00	0.00	O
ATOM	131	N3	C A	5	-22.360	-19.682	13.523	1.00	0.00	N
ATOM	132	C4	C A	5	-21.867	-20.922	13.415	1.00	0.00	C
ATOM	133	N4	C A	5	-22.480	-21.902	14.061	1.00	0.00	N
ATOM	134	C5	C A	5	-20.706	-21.198	12.621	1.00	0.00	C
ATOM	135	C6	C A	5	-20.137	-20.135	11.982	1.00	0.00	C
ATOM	136	C2'	C A	5	-18.501	-17.778	11.369	1.00	0.00	C
ATOM	137	C3'	C A	5	-18.194	-17.174	10.007	1.00	0.00	C
ATOM	138	O3'	C A	5	-18.172	-15.753	10.119	1.00	0.00	O

ATOM	139	C4'	C A	5	-19.355	-17.668	9.147	1.00	0.00	C
ATOM	140	O4'	C A	5	-20.490	-17.721	10.068	1.00	0.00	O
ATOM	141	C5'	C A	5	-19.187	-19.027	8.509	1.00	0.00	C
ATOM	142	O5'	C A	5	-18.474	-19.909	9.413	1.00	0.00	O
ATOM	143	O1P	C A	5	-16.303	-20.339	8.213	1.00	0.00	O
ATOM	144	O2P	C A	5	-17.210	-22.042	9.818	1.00	0.00	O
ATOM	145	P	C A	5	-17.486	-21.000	8.799	1.00	0.00	P
ATOM	146	H5	C A	5	-20.297	-22.205	12.535	1.00	0.00	H
ATOM	147	H6	C A	5	-19.254	-20.296	11.363	1.00	0.00	H
ATOM	148	H1'	C A	5	-20.370	-16.810	11.884	1.00	0.00	H
ATOM	149	H3'	C A	5	-17.237	-17.520	9.614	1.00	0.00	H
ATOM	150	H4'	C A	5	-19.488	-16.939	8.347	1.00	0.00	H
ATOM	151	H41	C A	5	-22.122	-22.866	13.994	1.00	0.00	H
ATOM	152	H42	C A	5	-23.314	-21.701	14.632	1.00	0.00	H
ATOM	153	H2'1	C A	5	-18.120	-18.796	11.446	1.00	0.00	H
ATOM	154	H2'2	C A	5	-18.048	-17.196	12.173	1.00	0.00	H
ATOM	155	H5'1	C A	5	-20.171	-19.443	8.288	1.00	0.00	H
ATOM	156	H5'2	C A	5	-18.627	-18.919	7.580	1.00	0.00	H
ATOM	157	C1'	G A	6	-20.545	-14.472	15.102	1.00	0.00	C
ATOM	158	N1	G A	6	-22.529	-18.466	17.580	1.00	0.00	N
ATOM	159	C2	G A	6	-22.953	-17.149	17.534	1.00	0.00	C
ATOM	160	N2	G A	6	-24.049	-16.857	18.244	1.00	0.00	N
ATOM	161	N3	G A	6	-22.332	-16.201	16.835	1.00	0.00	N
ATOM	162	C4	G A	6	-21.237	-16.672	16.184	1.00	0.00	C
ATOM	163	C5	G A	6	-20.738	-17.964	16.174	1.00	0.00	C
ATOM	164	C6	G A	6	-21.398	-18.973	16.912	1.00	0.00	C
ATOM	165	O6	G A	6	-21.112	-20.164	17.027	1.00	0.00	O
ATOM	166	N7	G A	6	-19.592	-18.033	15.380	1.00	0.00	N
ATOM	167	C8	G A	6	-19.437	-16.811	14.941	1.00	0.00	C
ATOM	168	N9	G A	6	-20.397	-15.926	15.386	1.00	0.00	N
ATOM	169	C2'	G A	6	-19.221	-13.724	15.027	1.00	0.00	C
ATOM	170	C3'	G A	6	-19.495	-12.700	13.938	1.00	0.00	C
ATOM	171	O3'	G A	6	-20.138	-11.565	14.513	1.00	0.00	O
ATOM	172	C4'	G A	6	-20.411	-13.460	12.980	1.00	0.00	C
ATOM	173	O4'	G A	6	-21.191	-14.340	13.851	1.00	0.00	O
ATOM	174	C5'	G A	6	-19.732	-14.301	11.927	1.00	0.00	C
ATOM	175	O5'	G A	6	-18.531	-14.901	12.475	1.00	0.00	O
ATOM	176	O1P	G A	6	-16.682	-13.805	11.168	1.00	0.00	O
ATOM	177	O2P	G A	6	-16.348	-16.096	12.133	1.00	0.00	O
ATOM	178	P	G A	6	-17.272	-15.110	11.520	1.00	0.00	P
ATOM	179	H1	G A	6	-23.086	-19.125	18.146	1.00	0.00	H
ATOM	180	H8	G A	6	-18.621	-16.515	14.281	1.00	0.00	H
ATOM	181	H1'	G A	6	-21.195	-14.040	15.864	1.00	0.00	H
ATOM	182	H21	G A	6	-24.527	-17.597	18.780	1.00	0.00	H
ATOM	183	H3'	G A	6	-18.581	-12.381	13.437	1.00	0.00	H
ATOM	184	H22	G A	6	-24.415	-15.894	18.254	1.00	0.00	H
ATOM	185	H4'	G A	6	-21.023	-12.717	12.470	1.00	0.00	H
ATOM	186	H2'1	G A	6	-18.391	-14.378	14.757	1.00	0.00	H
ATOM	187	H2'2	G A	6	-18.963	-13.242	15.971	1.00	0.00	H
ATOM	188	H5'1	G A	6	-20.415	-15.082	11.595	1.00	0.00	H
ATOM	189	H5'2	G A	6	-19.473	-13.670	11.077	1.00	0.00	H
ATOM	190	C1'	C A	7	-21.894	-13.107	19.668	1.00	0.00	C
ATOM	191	N1	C A	7	-21.024	-14.297	19.461	1.00	0.00	N
ATOM	192	C2	C A	7	-21.403	-15.494	20.064	1.00	0.00	C

ATOM	193	O2	C A	7	-22.438	-15.522	20.741	1.00	0.00	O
ATOM	194	N3	C A	7	-20.624	-16.590	19.887	1.00	0.00	N
ATOM	195	C4	C A	7	-19.508	-16.530	19.150	1.00	0.00	C
ATOM	196	N4	C A	7	-18.786	-17.631	19.008	1.00	0.00	N
ATOM	197	C5	C A	7	-19.091	-15.310	18.522	1.00	0.00	C
ATOM	198	C6	C A	7	-19.894	-14.221	18.709	1.00	0.00	C
ATOM	199	C2'	C A	7	-21.124	-11.803	19.827	1.00	0.00	C
ATOM	200	C3'	C A	7	-22.041	-10.808	19.133	1.00	0.00	C
ATOM	201	O3'	C A	7	-23.037	-10.367	20.053	1.00	0.00	O
ATOM	202	C4'	C A	7	-22.634	-11.630	17.991	1.00	0.00	C
ATOM	203	O4'	C A	7	-22.733	-12.985	18.534	1.00	0.00	O
ATOM	204	C5'	C A	7	-21.829	-11.681	16.712	1.00	0.00	C
ATOM	205	O5'	C A	7	-20.413	-11.710	17.024	1.00	0.00	O
ATOM	206	O1P	C A	7	-19.572	-9.514	16.125	1.00	0.00	O
ATOM	207	O2P	C A	7	-18.023	-11.481	16.288	1.00	0.00	O
ATOM	208	P	C A	7	-19.395	-10.978	16.040	1.00	0.00	P
ATOM	209	H5	C A	7	-18.180	-15.254	17.925	1.00	0.00	H
ATOM	210	H6	C A	7	-19.623	-13.272	18.245	1.00	0.00	H
ATOM	211	H1'	C A	7	-22.528	-13.295	20.535	1.00	0.00	H
ATOM	212	H3'	C A	7	-21.492	-9.945	18.754	1.00	0.00	H
ATOM	213	H4'	C A	7	-23.604	-11.192	17.756	1.00	0.00	H
ATOM	214	H41	C A	7	-17.924	-17.614	18.444	1.00	0.00	H
ATOM	215	H42	C A	7	-19.084	-18.507	19.462	1.00	0.00	H
ATOM	216	H2'1	C A	7	-20.146	-11.840	19.351	1.00	0.00	H
ATOM	217	H2'2	C A	7	-20.970	-11.539	20.874	1.00	0.00	H
ATOM	218	H5'1	C A	7	-22.102	-12.576	16.152	1.00	0.00	H
ATOM	219	H5'2	C A	7	-22.055	-10.800	16.112	1.00	0.00	H
ATOM	220	C1'	A A	8	-22.904	-13.920	24.446	1.00	0.00	C
ATOM	221	N1	A A	8	-19.780	-17.946	23.829	1.00	0.00	N
ATOM	222	C2	A A	8	-20.944	-17.799	24.454	1.00	0.00	C
ATOM	223	N3	A A	8	-21.702	-16.730	24.573	1.00	0.00	N
ATOM	224	C4	A A	8	-21.132	-15.685	23.944	1.00	0.00	C
ATOM	225	C5	A A	8	-19.948	-15.669	23.261	1.00	0.00	C
ATOM	226	C6	A A	8	-19.238	-16.886	23.210	1.00	0.00	C
ATOM	227	N6	A A	8	-18.061	-17.022	22.575	1.00	0.00	N
ATOM	228	N7	A A	8	-19.686	-14.412	22.745	1.00	0.00	N
ATOM	229	C8	A A	8	-20.706	-13.699	23.126	1.00	0.00	C
ATOM	230	N9	A A	8	-21.626	-14.406	23.857	1.00	0.00	N
ATOM	231	C2'	A A	8	-22.825	-12.503	24.998	1.00	0.00	C
ATOM	232	C3'	A A	8	-24.207	-11.960	24.674	1.00	0.00	C
ATOM	233	O3'	A A	8	-25.114	-12.345	25.704	1.00	0.00	O
ATOM	234	C4'	A A	8	-24.532	-12.629	23.339	1.00	0.00	C
ATOM	235	O4'	A A	8	-23.883	-13.939	23.425	1.00	0.00	O
ATOM	236	C5'	A A	8	-24.038	-11.924	22.098	1.00	0.00	C
ATOM	237	O5'	A A	8	-22.745	-11.321	22.358	1.00	0.00	O
ATOM	238	O1P	A A	8	-23.211	-8.853	22.191	1.00	0.00	O
ATOM	239	O2P	A A	8	-20.915	-9.734	21.690	1.00	0.00	O
ATOM	240	P	A A	8	-22.383	-9.943	21.640	1.00	0.00	P
ATOM	241	H2	A A	8	-21.327	-18.696	24.939	1.00	0.00	H
ATOM	242	H8	A A	8	-20.819	-12.641	22.888	1.00	0.00	H
ATOM	243	H1'	A A	8	-23.212	-14.624	25.218	1.00	0.00	H
ATOM	244	H3'	A A	8	-24.208	-10.874	24.580	1.00	0.00	H
ATOM	245	H4'	A A	8	-25.617	-12.695	23.275	1.00	0.00	H
ATOM	246	H61	A A	8	-17.584	-17.934	22.565	1.00	0.00	H

ATOM	247	H62	A A	8	-17.637	-16.212	22.099	1.00	0.00	H
ATOM	248	H2'1	A A	8	-22.045	-11.915	24.517	1.00	0.00	H
ATOM	249	H2'2	A A	8	-22.634	-12.488	26.071	1.00	0.00	H
ATOM	250	H5'1	A A	8	-23.950	-12.648	21.288	1.00	0.00	H
ATOM	251	H5'2	A A	8	-24.753	-11.153	21.814	1.00	0.00	H
ATOM	252	C1'	C A	9	-22.500	-16.449	28.701	1.00	0.00	C
ATOM	253	N1	C A	9	-21.281	-16.009	27.967	1.00	0.00	N
ATOM	254	C2	C A	9	-20.302	-16.963	27.696	1.00	0.00	C
ATOM	255	O2	C A	9	-20.483	-18.127	28.075	1.00	0.00	O
ATOM	256	N3	C A	9	-19.186	-16.583	27.030	1.00	0.00	N
ATOM	257	C4	C A	9	-19.017	-15.314	26.635	1.00	0.00	C
ATOM	258	N4	C A	9	-17.907	-14.998	25.983	1.00	0.00	N
ATOM	259	C5	C A	9	-20.005	-14.310	26.902	1.00	0.00	C
ATOM	260	C6	C A	9	-21.125	-14.716	27.571	1.00	0.00	C
ATOM	261	C2'	C A	9	-23.020	-15.422	29.697	1.00	0.00	C
ATOM	262	C3'	C A	9	-24.526	-15.611	29.590	1.00	0.00	C
ATOM	263	O3'	C A	9	-24.924	-16.684	30.440	1.00	0.00	O
ATOM	264	C4'	C A	9	-24.723	-15.942	28.113	1.00	0.00	C
ATOM	265	O4'	C A	9	-23.516	-16.683	27.744	1.00	0.00	O
ATOM	266	C5'	C A	9	-24.871	-14.766	27.176	1.00	0.00	C
ATOM	267	O5'	C A	9	-24.012	-13.681	27.612	1.00	0.00	O
ATOM	268	O1P	C A	9	-25.640	-11.886	28.291	1.00	0.00	O
ATOM	269	O2P	C A	9	-23.343	-11.260	27.498	1.00	0.00	O
ATOM	270	P	C A	9	-24.504	-12.179	27.396	1.00	0.00	P
ATOM	271	H5	C A	9	-19.870	-13.275	26.588	1.00	0.00	H
ATOM	272	H6	C A	9	-21.909	-13.992	27.791	1.00	0.00	H
ATOM	273	H1'	C A	9	-22.278	-17.395	29.193	1.00	0.00	H
ATOM	274	H3'	C A	9	-25.070	-14.709	29.868	1.00	0.00	H
ATOM	275	H4'	C A	9	-25.630	-16.540	28.040	1.00	0.00	H
ATOM	276	H41	C A	9	-17.754	-14.030	25.666	1.00	0.00	H
ATOM	277	H42	C A	9	-17.197	-15.721	25.794	1.00	0.00	H
ATOM	278	H2'1	C A	9	-22.729	-14.406	29.435	1.00	0.00	H
ATOM	279	H2'2	C A	9	-22.666	-15.614	30.711	1.00	0.00	H
ATOM	280	H5'1	C A	9	-24.593	-15.073	26.167	1.00	0.00	H
ATOM	281	H5'2	C A	9	-25.909	-14.436	27.177	1.00	0.00	H
ATOM	282	C1'	C A	10	-20.201	-19.456	31.894	1.00	0.00	C
ATOM	283	N1	C A	10	-19.496	-18.273	31.329	1.00	0.00	N
ATOM	284	C2	C A	10	-18.246	-18.475	30.748	1.00	0.00	C
ATOM	285	O2	C A	10	-17.774	-19.620	30.725	1.00	0.00	O
ATOM	286	N3	C A	10	-17.587	-17.411	30.227	1.00	0.00	N
ATOM	287	C4	C A	10	-18.121	-16.183	30.267	1.00	0.00	C
ATOM	288	N4	C A	10	-17.435	-15.179	29.740	1.00	0.00	N
ATOM	289	C5	C A	10	-19.404	-15.945	30.862	1.00	0.00	C
ATOM	290	C6	C A	10	-20.051	-17.033	31.376	1.00	0.00	C
ATOM	291	C2'	C A	10	-20.962	-19.160	33.178	1.00	0.00	C
ATOM	292	C3'	C A	10	-22.184	-20.055	33.035	1.00	0.00	C
ATOM	293	O3'	C A	10	-21.860	-21.366	33.492	1.00	0.00	O
ATOM	294	C4'	C A	10	-22.458	-20.018	31.534	1.00	0.00	C
ATOM	295	O4'	C A	10	-21.132	-19.904	30.927	1.00	0.00	O
ATOM	296	C5'	C A	10	-23.316	-18.878	31.036	1.00	0.00	C
ATOM	297	O5'	C A	10	-23.022	-17.676	31.791	1.00	0.00	O
ATOM	298	O1P	C A	10	-25.160	-17.235	33.043	1.00	0.00	O
ATOM	299	O2P	C A	10	-23.628	-15.334	32.468	1.00	0.00	O
ATOM	300	P	C A	10	-24.203	-16.646	32.086	1.00	0.00	P

ATOM	301	H5	C	A	10	-19.841	-14.946	30.902	1.00	0.00	H
ATOM	302	H6	C	A	10	-21.033	-16.903	31.831	1.00	0.00	H
ATOM	303	H1'	C	A	10	-19.469	-20.248	32.047	1.00	0.00	H
ATOM	304	H3'	C	A	10	-23.036	-19.676	33.601	1.00	0.00	H
ATOM	305	H4'	C	A	10	-22.965	-20.950	31.282	1.00	0.00	H
ATOM	306	H41	C	A	10	-17.824	-14.225	29.756	1.00	0.00	H
ATOM	307	H42	C	A	10	-16.512	-15.353	29.316	1.00	0.00	H
ATOM	308	H2'1	C	A	10	-21.247	-18.112	33.260	1.00	0.00	H
ATOM	309	H2'2	C	A	10	-20.385	-19.415	34.069	1.00	0.00	H
ATOM	310	H5'1	C	A	10	-23.110	-18.709	29.978	1.00	0.00	H
ATOM	311	H5'2	C	A	10	-24.366	-19.142	31.158	1.00	0.00	H
ATOM	312	C1'	T	A	11	-16.230	-21.620	33.905	1.00	0.00	C
ATOM	313	N1	T	A	11	-16.271	-20.143	33.741	1.00	0.00	N
ATOM	314	C2	T	A	11	-15.195	-19.549	33.113	1.00	0.00	C
ATOM	315	O2	T	A	11	-14.238	-20.182	32.701	1.00	0.00	O
ATOM	316	N3	T	A	11	-15.274	-18.174	32.979	1.00	0.00	N
ATOM	317	C4	T	A	11	-16.306	-17.366	33.411	1.00	0.00	C
ATOM	318	O4	T	A	11	-16.264	-16.141	33.238	1.00	0.00	O
ATOM	319	C5	T	A	11	-17.385	-18.077	34.055	1.00	0.00	C
ATOM	320	C6	T	A	11	-17.341	-19.415	34.201	1.00	0.00	C
ATOM	321	C7	T	A	11	-18.529	-17.236	34.537	1.00	0.00	C
ATOM	322	C2'	T	A	11	-16.809	-22.107	35.228	1.00	0.00	C
ATOM	323	C3'	T	A	11	-17.471	-23.414	34.823	1.00	0.00	C
ATOM	324	O3'	T	A	11	-16.497	-24.456	34.831	1.00	0.00	O
ATOM	325	C4'	T	A	11	-17.983	-23.114	33.417	1.00	0.00	C
ATOM	326	O4'	T	A	11	-16.991	-22.193	32.860	1.00	0.00	O
ATOM	327	C5'	T	A	11	-19.347	-22.470	33.321	1.00	0.00	C
ATOM	328	O5'	T	A	11	-19.527	-21.539	34.417	1.00	0.00	O
ATOM	329	O1P	T	A	11	-21.371	-22.583	35.773	1.00	0.00	O
ATOM	330	O2P	T	A	11	-21.035	-20.098	35.818	1.00	0.00	O
ATOM	331	P	T	A	11	-20.982	-21.362	35.043	1.00	0.00	P
ATOM	332	H3	T	A	11	-14.486	-17.708	32.511	1.00	0.00	H
ATOM	333	H6	T	A	11	-18.168	-19.931	34.690	1.00	0.00	H
ATOM	334	H1'	T	A	11	-15.197	-21.949	33.787	1.00	0.00	H
ATOM	335	H3'	T	A	11	-18.289	-23.681	35.491	1.00	0.00	H
ATOM	336	H4'	T	A	11	-18.026	-24.065	32.884	1.00	0.00	H
ATOM	337	H71	T	A	11	-18.576	-17.276	35.626	1.00	0.00	H
ATOM	338	H72	T	A	11	-18.382	-16.204	34.218	1.00	0.00	H
ATOM	339	H73	T	A	11	-19.462	-17.615	34.119	1.00	0.00	H
ATOM	340	H2'1	T	A	11	-17.532	-21.408	35.644	1.00	0.00	H
ATOM	341	H2'2	T	A	11	-16.038	-22.269	35.982	1.00	0.00	H
ATOM	342	H5'1	T	A	11	-19.429	-21.942	32.371	1.00	0.00	H
ATOM	343	H5'2	T	A	11	-20.112	-23.245	33.367	1.00	0.00	H
ATOM	344	C1'	A	A	12	-11.404	-21.891	35.033	1.00	0.00	C
ATOM	345	N1	A	A	12	-11.603	-16.776	34.668	1.00	0.00	N
ATOM	346	C2	A	A	12	-10.716	-17.673	34.249	1.00	0.00	C
ATOM	347	N3	A	A	12	-10.728	-18.984	34.374	1.00	0.00	N
ATOM	348	C4	A	A	12	-11.828	-19.377	35.039	1.00	0.00	C
ATOM	349	C5	A	A	12	-12.828	-18.589	35.534	1.00	0.00	C
ATOM	350	C6	A	A	12	-12.692	-17.199	35.327	1.00	0.00	C
ATOM	351	N6	A	A	12	-13.595	-16.302	35.757	1.00	0.00	N
ATOM	352	N7	A	A	12	-13.801	-19.348	36.159	1.00	0.00	N
ATOM	353	C8	A	A	12	-13.373	-20.569	36.034	1.00	0.00	C
ATOM	354	N9	A	A	12	-12.180	-20.665	35.362	1.00	0.00	N

ATOM	355	C2'	A	A	12	-11.434	-22.947	36.130	1.00	0.00	C
ATOM	356	C3'	A	A	12	-11.445	-24.238	35.327	1.00	0.00	C
ATOM	357	O3'	A	A	12	-10.105	-24.586	34.984	1.00	0.00	O
ATOM	358	C4'	A	A	12	-12.277	-23.869	34.099	1.00	0.00	C
ATOM	359	O4'	A	A	12	-11.967	-22.458	33.866	1.00	0.00	O
ATOM	360	C5'	A	A	12	-13.773	-24.020	34.234	1.00	0.00	C
ATOM	361	O5'	A	A	12	-14.185	-23.657	35.576	1.00	0.00	O
ATOM	362	O1P	A	A	12	-15.026	-25.827	36.535	1.00	0.00	O
ATOM	363	O2P	A	A	12	-15.928	-23.646	37.386	1.00	0.00	O
ATOM	364	P	A	A	12	-15.409	-24.433	36.240	1.00	0.00	P
ATOM	365	H2	A	A	12	-9.853	-17.264	33.724	1.00	0.00	H
ATOM	366	H8	A	A	12	-13.908	-21.435	36.424	1.00	0.00	H
ATOM	367	H1'	A	A	12	-10.381	-21.596	34.804	1.00	0.00	H
ATOM	368	H3'	A	A	12	-11.901	-25.060	35.878	1.00	0.00	H
ATOM	369	H4'	A	A	12	-11.948	-24.518	33.288	1.00	0.00	H
ATOM	370	H61	A	A	12	-13.449	-15.298	35.578	1.00	0.00	H
ATOM	371	H62	A	A	12	-14.433	-16.619	36.267	1.00	0.00	H
ATOM	372	H2'1	A	A	12	-12.320	-22.866	36.759	1.00	0.00	H
ATOM	373	H2'2	A	A	12	-10.563	-22.892	36.782	1.00	0.00	H
ATOM	374	H5'1	A	A	12	-14.264	-23.370	33.510	1.00	0.00	H
ATOM	375	H5'2	A	A	12	-14.048	-25.054	34.032	1.00	0.00	H
ATOM	376	C1'	G	A	13	-6.936	-19.931	35.950	1.00	0.00	C
ATOM	377	N1	G	A	13	-9.627	-15.808	37.286	1.00	0.00	N
ATOM	378	C2	G	A	13	-8.462	-15.906	36.548	1.00	0.00	C
ATOM	379	N2	G	A	13	-7.941	-14.752	36.109	1.00	0.00	N
ATOM	380	N3	G	A	13	-7.862	-17.062	36.270	1.00	0.00	N
ATOM	381	C4	G	A	13	-8.521	-18.126	36.799	1.00	0.00	C
ATOM	382	C5	G	A	13	-9.685	-18.124	37.550	1.00	0.00	C
ATOM	383	C6	G	A	13	-10.324	-16.897	37.842	1.00	0.00	C
ATOM	384	O6	G	A	13	-11.353	-16.693	38.488	1.00	0.00	O
ATOM	385	N7	G	A	13	-10.034	-19.428	37.904	1.00	0.00	N
ATOM	386	C8	G	A	13	-9.095	-20.164	37.367	1.00	0.00	C
ATOM	387	N9	G	A	13	-8.139	-19.444	36.679	1.00	0.00	N
ATOM	388	C2'	G	A	13	-6.239	-21.102	36.627	1.00	0.00	C
ATOM	389	C3'	G	A	13	-5.764	-21.920	35.438	1.00	0.00	C
ATOM	390	O3'	G	A	13	-4.516	-21.402	34.983	1.00	0.00	O
ATOM	391	C4'	G	A	13	-6.881	-21.716	34.416	1.00	0.00	C
ATOM	392	O4'	G	A	13	-7.352	-20.354	34.665	1.00	0.00	O
ATOM	393	C5'	G	A	13	-8.056	-22.659	34.510	1.00	0.00	C
ATOM	394	O5'	G	A	13	-8.335	-22.959	35.900	1.00	0.00	O
ATOM	395	O1P	G	A	13	-7.810	-25.414	36.083	1.00	0.00	O
ATOM	396	O2P	G	A	13	-9.489	-24.372	37.628	1.00	0.00	O
ATOM	397	P	G	A	13	-8.875	-24.412	36.278	1.00	0.00	P
ATOM	398	H1	G	A	13	-10.014	-14.864	37.440	1.00	0.00	H
ATOM	399	H8	G	A	13	-9.068	-21.250	37.453	1.00	0.00	H
ATOM	400	H1'	G	A	13	-6.252	-19.091	35.821	1.00	0.00	H
ATOM	401	H21	G	A	13	-8.413	-13.861	36.326	1.00	0.00	H
ATOM	402	H3'	G	A	13	-5.647	-22.975	35.687	1.00	0.00	H
ATOM	403	H22	G	A	13	-7.074	-14.757	35.557	1.00	0.00	H
ATOM	404	H4'	G	A	13	-6.434	-21.837	33.430	1.00	0.00	H
ATOM	405	H2'1	G	A	13	-6.917	-21.678	37.258	1.00	0.00	H
ATOM	406	H2'2	G	A	13	-5.404	-20.783	37.250	1.00	0.00	H
ATOM	407	H5'1	G	A	13	-8.927	-22.192	34.051	1.00	0.00	H
ATOM	408	H5'2	G	A	13	-7.821	-23.578	33.974	1.00	0.00	H

ATOM	409	C1'	G A	14	-3.866	-16.323	37.395	1.00	0.00	C
ATOM	410	N1	G A	14	-7.917	-14.711	40.044	1.00	0.00	N
ATOM	411	C2	G A	14	-7.000	-13.992	39.299	1.00	0.00	C
ATOM	412	N2	G A	14	-7.184	-12.666	39.255	1.00	0.00	N
ATOM	413	N3	G A	14	-5.979	-14.550	38.649	1.00	0.00	N
ATOM	414	C4	G A	14	-5.942	-15.898	38.809	1.00	0.00	C
ATOM	415	C5	G A	14	-6.809	-16.697	39.535	1.00	0.00	C
ATOM	416	C6	G A	14	-7.893	-16.108	40.221	1.00	0.00	C
ATOM	417	O6	G A	14	-8.761	-16.643	40.912	1.00	0.00	O
ATOM	418	N7	G A	14	-6.418	-18.037	39.446	1.00	0.00	N
ATOM	419	C8	G A	14	-5.356	-18.007	38.685	1.00	0.00	C
ATOM	420	N9	G A	14	-5.003	-16.743	38.260	1.00	0.00	N
ATOM	421	C2'	G A	14	-2.585	-17.108	37.642	1.00	0.00	C
ATOM	422	C3'	G A	14	-1.995	-17.203	36.244	1.00	0.00	C
ATOM	423	O3'	G A	14	-1.253	-16.018	35.967	1.00	0.00	O
ATOM	424	C4'	G A	14	-3.236	-17.327	35.360	1.00	0.00	C
ATOM	425	O4'	G A	14	-4.250	-16.528	36.049	1.00	0.00	O
ATOM	426	C5'	G A	14	-3.777	-18.722	35.156	1.00	0.00	C
ATOM	427	O5'	G A	14	-3.624	-19.491	36.374	1.00	0.00	O
ATOM	428	O1P	G A	14	-1.963	-21.271	35.737	1.00	0.00	O
ATOM	429	O2P	G A	14	-3.630	-21.707	37.560	1.00	0.00	O
ATOM	430	P	G A	14	-3.324	-21.053	36.264	1.00	0.00	P
ATOM	431	H1	G A	14	-8.675	-14.183	40.503	1.00	0.00	H
ATOM	432	H8	G A	14	-4.797	-18.902	38.412	1.00	0.00	H
ATOM	433	H1'	G A	14	-3.704	-15.255	37.539	1.00	0.00	H
ATOM	434	H21	G A	14	-7.978	-12.242	39.757	1.00	0.00	H
ATOM	435	H3'	G A	14	-1.345	-18.071	36.133	1.00	0.00	H
ATOM	436	H22	G A	14	-6.535	-12.074	38.720	1.00	0.00	H
ATOM	437	H4'	G A	14	-2.970	-16.926	34.383	1.00	0.00	H
ATOM	438	H2'1	G A	14	-2.778	-18.096	38.059	1.00	0.00	H
ATOM	439	H2'2	G A	14	-1.908	-16.591	38.324	1.00	0.00	H
ATOM	440	H5'1	G A	14	-4.831	-18.661	34.887	1.00	0.00	H
ATOM	441	H5'2	G A	14	-3.229	-19.203	34.345	1.00	0.00	H
ATOM	442	C1'	A A	15	-2.680	-12.214	39.886	1.00	0.00	C
ATOM	443	N1	A A	15	-6.493	-13.685	42.991	1.00	0.00	N
ATOM	444	C2	A A	15	-6.143	-12.500	42.496	1.00	0.00	C
ATOM	445	N3	A A	15	-5.146	-12.190	41.695	1.00	0.00	N
ATOM	446	C4	A A	15	-4.432	-13.291	41.393	1.00	0.00	C
ATOM	447	C5	A A	15	-4.656	-14.570	41.817	1.00	0.00	C
ATOM	448	C6	A A	15	-5.762	-14.764	42.671	1.00	0.00	C
ATOM	449	N6	A A	15	-6.105	-15.965	43.167	1.00	0.00	N
ATOM	450	N7	A A	15	-3.714	-15.441	41.299	1.00	0.00	N
ATOM	451	C8	A A	15	-2.944	-14.677	40.582	1.00	0.00	C
ATOM	452	N9	A A	15	-3.320	-13.357	40.590	1.00	0.00	N
ATOM	453	C2'	A A	15	-1.160	-12.287	39.850	1.00	0.00	C
ATOM	454	C3'	A A	15	-0.845	-11.695	38.485	1.00	0.00	C
ATOM	455	O3'	A A	15	-0.805	-10.275	38.591	1.00	0.00	O
ATOM	456	C4'	A A	15	-2.014	-12.178	37.627	1.00	0.00	C
ATOM	457	O4'	A A	15	-3.149	-12.211	38.552	1.00	0.00	O
ATOM	458	C5'	A A	15	-1.865	-13.542	36.996	1.00	0.00	C
ATOM	459	O5'	A A	15	-1.163	-14.429	37.904	1.00	0.00	O
ATOM	460	O1P	A A	15	1.001	-14.895	36.706	1.00	0.00	O
ATOM	461	O2P	A A	15	0.073	-16.577	38.320	1.00	0.00	O
ATOM	462	P	A A	15	-0.191	-15.537	37.296	1.00	0.00	P

ATOM	463	H2	A A	15	-6.775	-11.665	42.797	1.00	0.00	H
ATOM	464	H8	A A	15	-2.082	-15.047	40.028	1.00	0.00	H
ATOM	465	H1'	A A	15	-3.015	-11.292	40.361	1.00	0.00	H
ATOM	466	H3'	A A	15	0.106	-12.056	38.092	1.00	0.00	H
ATOM	467	H4'	A A	15	-2.139	-11.451	36.826	1.00	0.00	H
ATOM	468	H61	A A	15	-6.924	-16.051	43.785	1.00	0.00	H
ATOM	469	H62	A A	15	-5.547	-16.798	42.927	1.00	0.00	H
ATOM	470	H2'1	A A	15	-0.794	-13.311	39.933	1.00	0.00	H
ATOM	471	H2'2	A A	15	-0.698	-11.708	40.650	1.00	0.00	H
ATOM	472	H5'1	A A	15	-2.854	-13.945	36.779	1.00	0.00	H
ATOM	473	H5'2	A A	15	-1.304	-13.447	36.068	1.00	0.00	H
ATOM	474	C1'	C A	16	-3.223	-8.960	43.599	1.00	0.00	C
ATOM	475	N1	C A	16	-3.081	-10.414	43.886	1.00	0.00	N
ATOM	476	C2	C A	16	-4.027	-11.011	44.716	1.00	0.00	C
ATOM	477	O2	C A	16	-4.939	-10.314	45.179	1.00	0.00	O
ATOM	478	N3	C A	16	-3.915	-12.334	44.991	1.00	0.00	N
ATOM	479	C4	C A	16	-2.916	-13.061	44.475	1.00	0.00	C
ATOM	480	N4	C A	16	-2.858	-14.351	44.774	1.00	0.00	N
ATOM	481	C5	C A	16	-1.926	-12.474	43.621	1.00	0.00	C
ATOM	482	C6	C A	16	-2.060	-11.140	43.355	1.00	0.00	C
ATOM	483	C2'	C A	16	-1.897	-8.216	43.528	1.00	0.00	C
ATOM	484	C3'	C A	16	-2.166	-7.193	42.434	1.00	0.00	C
ATOM	485	O3'	C A	16	-2.807	-6.056	43.005	1.00	0.00	O
ATOM	486	C4'	C A	16	-3.080	-7.953	41.476	1.00	0.00	C
ATOM	487	O4'	C A	16	-3.866	-8.831	42.344	1.00	0.00	O
ATOM	488	C5'	C A	16	-2.397	-8.799	40.425	1.00	0.00	C
ATOM	489	O5'	C A	16	-1.201	-9.399	40.981	1.00	0.00	O
ATOM	490	O1P	C A	16	0.657	-8.310	39.678	1.00	0.00	O
ATOM	491	O2P	C A	16	0.981	-10.600	40.648	1.00	0.00	O
ATOM	492	P	C A	16	0.062	-9.614	40.031	1.00	0.00	P
ATOM	493	H5	C A	16	-1.106	-13.061	43.205	1.00	0.00	H
ATOM	494	H6	C A	16	-1.336	-10.650	42.704	1.00	0.00	H
ATOM	495	H1'	C A	16	-3.876	-8.525	44.356	1.00	0.00	H
ATOM	496	H3'	C A	16	-1.247	-6.879	41.937	1.00	0.00	H
ATOM	497	H4'	C A	16	-3.686	-7.209	40.960	1.00	0.00	H
ATOM	498	H41	C A	16	-2.100	-14.934	44.389	1.00	0.00	H
ATOM	499	H42	C A	16	-3.568	-14.771	45.390	1.00	0.00	H
ATOM	500	H2'1	C A	16	-1.068	-8.872	43.262	1.00	0.00	H
ATOM	501	H2'2	C A	16	-1.643	-7.732	44.471	1.00	0.00	H
ATOM	502	H5'1	C A	16	-3.083	-9.579	40.094	1.00	0.00	H
ATOM	503	H5'2	C A	16	-2.133	-8.169	39.576	1.00	0.00	H
ATOM	504	C1'	G A	17	-4.572	-7.597	48.164	1.00	0.00	C
ATOM	505	N1	G A	17	-3.920	-12.545	49.223	1.00	0.00	N
ATOM	506	C2	G A	17	-4.924	-11.677	49.616	1.00	0.00	C
ATOM	507	N2	G A	17	-5.879	-12.196	50.398	1.00	0.00	N
ATOM	508	N3	G A	17	-4.970	-10.395	49.259	1.00	0.00	N
ATOM	509	C4	G A	17	-3.919	-10.039	48.474	1.00	0.00	C
ATOM	510	C5	G A	17	-2.872	-10.833	48.035	1.00	0.00	C
ATOM	511	C6	G A	17	-2.824	-12.196	48.410	1.00	0.00	C
ATOM	512	O6	G A	17	-1.986	-13.051	48.126	1.00	0.00	O
ATOM	513	N7	G A	17	-1.995	-10.084	47.247	1.00	0.00	N
ATOM	514	C8	G A	17	-2.528	-8.890	47.231	1.00	0.00	C
ATOM	515	N9	G A	17	-3.698	-8.783	47.954	1.00	0.00	N
ATOM	516	C2'	G A	17	-3.807	-6.290	48.320	1.00	0.00	C

ATOM	517	C3'	G A	17	-4.727	-5.298	47.630	1.00	0.00	C
ATOM	518	O3'	G A	17	-5.722	-4.861	48.553	1.00	0.00	O
ATOM	519	C4'	G A	17	-5.321	-6.123	46.489	1.00	0.00	C
ATOM	520	O4'	G A	17	-5.414	-7.477	47.033	1.00	0.00	O
ATOM	521	C5'	G A	17	-4.521	-6.169	45.208	1.00	0.00	C
ATOM	522	O5'	G A	17	-3.105	-6.195	45.515	1.00	0.00	O
ATOM	523	O1P	G A	17	-2.275	-3.996	44.614	1.00	0.00	O
ATOM	524	O2P	G A	17	-0.718	-5.957	44.771	1.00	0.00	O
ATOM	525	P	G A	17	-2.093	-5.458	44.527	1.00	0.00	P
ATOM	526	H1	G A	17	-3.981	-13.521	49.549	1.00	0.00	H
ATOM	527	H8	G A	17	-2.085	-8.051	46.693	1.00	0.00	H
ATOM	528	H1'	G A	17	-5.202	-7.787	49.033	1.00	0.00	H
ATOM	529	H21	G A	17	-5.839	-13.189	50.668	1.00	0.00	H
ATOM	530	H3'	G A	17	-4.184	-4.433	47.248	1.00	0.00	H
ATOM	531	H22	G A	17	-6.653	-11.602	50.728	1.00	0.00	H
ATOM	532	H4'	G A	17	-6.294	-5.689	46.258	1.00	0.00	H
ATOM	533	H2'1	G A	17	-2.828	-6.324	47.840	1.00	0.00	H
ATOM	534	H2'2	G A	17	-3.649	-6.025	49.366	1.00	0.00	H
ATOM	535	H5'1	G A	17	-4.794	-7.064	44.649	1.00	0.00	H
ATOM	536	H5'2	G A	17	-4.754	-5.289	44.609	1.00	0.00	H
ATOM	537	C1'	G A	18	-5.571	-8.432	52.942	1.00	0.00	C
ATOM	538	N1	G A	18	-2.450	-12.418	52.313	1.00	0.00	N
ATOM	539	C2	G A	18	-3.658	-12.333	52.983	1.00	0.00	C
ATOM	540	N2	G A	18	-4.091	-13.460	53.565	1.00	0.00	N
ATOM	541	N3	G A	18	-4.376	-11.215	53.065	1.00	0.00	N
ATOM	542	C4	G A	18	-3.784	-10.172	52.427	1.00	0.00	C
ATOM	543	C5	G A	18	-2.581	-10.162	51.738	1.00	0.00	C
ATOM	544	C6	G A	18	-1.820	-11.351	51.646	1.00	0.00	C
ATOM	545	O6	G A	18	-0.740	-11.538	51.085	1.00	0.00	O
ATOM	546	N7	G A	18	-2.328	-8.888	51.227	1.00	0.00	N
ATOM	547	C8	G A	18	-3.361	-8.183	51.609	1.00	0.00	C
ATOM	548	N9	G A	18	-4.288	-8.893	52.344	1.00	0.00	N
ATOM	549	C2'	G A	18	-5.513	-7.020	53.507	1.00	0.00	C
ATOM	550	C3'	G A	18	-6.902	-6.493	53.192	1.00	0.00	C
ATOM	551	O3'	G A	18	-7.802	-6.900	54.221	1.00	0.00	O
ATOM	552	C4'	G A	18	-7.222	-7.154	51.852	1.00	0.00	C
ATOM	553	O4'	G A	18	-6.554	-8.454	51.925	1.00	0.00	O
ATOM	554	C5'	G A	18	-6.740	-6.432	50.617	1.00	0.00	C
ATOM	555	O5'	G A	18	-5.456	-5.812	50.879	1.00	0.00	O
ATOM	556	O1P	G A	18	-5.958	-3.349	50.736	1.00	0.00	O
ATOM	557	O2P	G A	18	-3.652	-4.192	50.222	1.00	0.00	O
ATOM	558	P	G A	18	-5.116	-4.422	50.173	1.00	0.00	P
ATOM	559	H1	G A	18	-1.975	-13.334	52.303	1.00	0.00	H
ATOM	560	H8	G A	18	-3.480	-7.126	51.371	1.00	0.00	H
ATOM	561	H1'	G A	18	-5.866	-9.148	53.709	1.00	0.00	H
ATOM	562	H21	G A	18	-3.530	-14.322	53.493	1.00	0.00	H
ATOM	563	H3'	G A	18	-6.919	-5.406	53.108	1.00	0.00	H
ATOM	564	H22	G A	18	-4.981	-13.462	54.080	1.00	0.00	H
ATOM	565	H4'	G A	18	-8.306	-7.236	51.790	1.00	0.00	H
ATOM	566	H2'1	G A	18	-4.742	-6.415	53.030	1.00	0.00	H
ATOM	567	H2'2	G A	18	-5.317	-7.011	54.580	1.00	0.00	H
ATOM	568	H5'1	G A	18	-6.645	-7.146	49.799	1.00	0.00	H
ATOM	569	H5'2	G A	18	-7.468	-5.669	50.342	1.00	0.00	H
ATOM	570	C1'	T A	19	-5.196	-10.924	57.202	1.00	0.00	C

ATOM	571	N1	T A	19	-3.970	-10.506	56.472	1.00	0.00	N
ATOM	572	C2	T A	19	-3.021	-11.477	56.225	1.00	0.00	C
ATOM	573	O2	T A	19	-3.156	-12.636	56.578	1.00	0.00	O
ATOM	574	N3	T A	19	-1.899	-11.045	55.543	1.00	0.00	N
ATOM	575	C4	T A	19	-1.647	-9.763	55.103	1.00	0.00	C
ATOM	576	O4	T A	19	-0.600	-9.494	54.503	1.00	0.00	O
ATOM	577	C5	T A	19	-2.695	-8.817	55.407	1.00	0.00	C
ATOM	578	C6	T A	19	-3.804	-9.203	56.070	1.00	0.00	C
ATOM	579	C7	T A	19	-2.465	-7.409	54.945	1.00	0.00	C
ATOM	580	C2'	T A	19	-5.709	-9.882	58.189	1.00	0.00	C
ATOM	581	C3'	T A	19	-7.215	-10.054	58.078	1.00	0.00	C
ATOM	582	O3'	T A	19	-7.631	-11.115	58.934	1.00	0.00	O
ATOM	583	C4'	T A	19	-7.409	-10.393	56.602	1.00	0.00	C
ATOM	584	O4'	T A	19	-6.212	-11.153	56.246	1.00	0.00	O
ATOM	585	C5'	T A	19	-7.540	-9.223	55.654	1.00	0.00	C
ATOM	586	O5'	T A	19	-6.670	-8.146	56.084	1.00	0.00	O
ATOM	587	O1P	T A	19	-8.278	-6.326	56.744	1.00	0.00	O
ATOM	588	O2P	T A	19	-5.970	-5.736	55.956	1.00	0.00	O
ATOM	589	P	T A	19	-7.141	-6.640	55.855	1.00	0.00	P
ATOM	590	H3	T A	19	-1.178	-11.753	55.343	1.00	0.00	H
ATOM	591	H6	T A	19	-4.581	-8.471	56.288	1.00	0.00	H
ATOM	592	H1'	T A	19	-4.988	-11.869	57.705	1.00	0.00	H
ATOM	593	H3'	T A	19	-7.749	-9.142	58.346	1.00	0.00	H
ATOM	594	H4'	T A	19	-8.325	-10.982	56.530	1.00	0.00	H
ATOM	595	H71	T A	19	-2.366	-6.754	55.810	1.00	0.00	H
ATOM	596	H72	T A	19	-1.551	-7.367	54.351	1.00	0.00	H
ATOM	597	H73	T A	19	-3.308	-7.082	54.336	1.00	0.00	H
ATOM	598	H2'1	T A	19	-5.402	-8.873	57.919	1.00	0.00	H
ATOM	599	H2'2	T A	19	-5.361	-10.069	59.206	1.00	0.00	H
ATOM	600	H5'1	T A	19	-7.262	-9.542	54.650	1.00	0.00	H
ATOM	601	H5'2	T A	19	-8.573	-8.881	55.648	1.00	0.00	H
ATOM	602	C01	LNK A	20	-8.347	-11.149	62.587	0.00	0.00	C
ATOM	603	O1	LNK A	20	-7.918	-10.484	61.396	1.00	0.00	O
ATOM	604	S	LNK A	20	-8.698	-10.406	66.482	0.00	0.00	S
ATOM	605	C02	LNK A	20	-8.207	-10.192	63.786	0.00	0.00	C
ATOM	606	C03	LNK A	20	-7.767	-10.988	65.030	0.00	0.00	C
ATOM	607	O1P	LNK A	20	-5.612	-10.277	60.408	1.00	0.00	O
ATOM	608	O2P	LNK A	20	-6.527	-12.538	60.999	1.00	0.00	O
ATOM	609	P	LNK A	20	-6.787	-11.165	60.501	1.00	0.00	P
ATOM	610	H01	LNK A	20	-7.731	-12.033	62.754	0.00	0.00	H
ATOM	611	H02	LNK A	20	-9.390	-11.448	62.482	0.00	0.00	H
ATOM	612	H03	LNK A	20	-6.701	-10.839	65.199	0.00	0.00	H
ATOM	613	H04	LNK A	20	-9.165	-9.711	63.982	0.00	0.00	H
ATOM	614	H05	LNK A	20	-7.459	-9.432	63.559	0.00	0.00	H
ATOM	615	H06	LNK A	20	-7.966	-12.048	64.872	0.00	0.00	H
ATOM	616	AU	LNK A	20	-8.435	-10.686	67.050			
TER										
ATOM	618	C1'	A B	2	3.357	-17.034	54.302	1.00	0.00	C
ATOM	619	N1	A B	2	0.181	-13.057	54.965	1.00	0.00	N
ATOM	620	C2	A B	2	0.101	-14.337	55.312	1.00	0.00	C
ATOM	621	N3	A B	2	0.960	-15.313	55.112	1.00	0.00	N
ATOM	622	C4	A B	2	2.040	-14.855	54.451	1.00	0.00	C
ATOM	623	C5	A B	2	2.274	-13.578	54.027	1.00	0.00	C
ATOM	624	C6	A B	2	1.270	-12.628	54.309	1.00	0.00	C

ATOM	625	N6	A B	2	1.361	-11.335	53.953	1.00	0.00	N
ATOM	626	N7	A B	2	3.496	-13.481	53.383	1.00	0.00	N
ATOM	627	C8	A B	2	3.967	-14.692	53.427	1.00	0.00	C
ATOM	628	N9	A B	2	3.140	-15.580	54.064	1.00	0.00	N
ATOM	629	C2'	A B	2	4.047	-17.748	53.148	1.00	0.00	C
ATOM	630	C3'	A B	2	4.911	-18.765	53.875	1.00	0.00	C
ATOM	631	O3'	A B	2	4.128	-19.921	54.166	1.00	0.00	O
ATOM	632	C4'	A B	2	5.326	-18.015	55.141	1.00	0.00	C
ATOM	633	O4'	A B	2	4.176	-17.163	55.449	1.00	0.00	O
ATOM	634	C5'	A B	2	6.557	-17.147	55.034	1.00	0.00	C
ATOM	635	O5'	A B	2	6.606	-16.525	53.725	1.00	0.00	O
ATOM	636	H2	A B	2	-0.809	-14.621	55.838	1.00	0.00	H
ATOM	637	H8	A B	2	4.930	-14.974	52.999	1.00	0.00	H
ATOM	638	H1'	A B	2	2.392	-17.490	54.524	1.00	0.00	H
ATOM	639	H3'	A B	2	5.781	-19.057	53.289	1.00	0.00	H
ATOM	640	H4'	A B	2	5.514	-18.768	55.906	1.00	0.00	H
ATOM	641	H61	A B	2	0.601	-10.682	54.186	1.00	0.00	H
ATOM	642	H62	A B	2	2.194	-10.999	53.447	1.00	0.00	H
ATOM	643	H2'1	A B	2	4.653	-17.072	52.545	1.00	0.00	H
ATOM	644	H2'2	A B	2	3.337	-18.236	52.480	1.00	0.00	H
ATOM	645	H5'1	A B	2	6.520	-16.378	55.805	1.00	0.00	H
ATOM	646	H5'2	A B	2	7.442	-17.763	55.183	1.00	0.00	H
ATOM	647	C1'	C B	3	-1.328	-18.413	53.405	1.00	0.00	C
ATOM	648	N1	C B	3	-0.752	-17.215	52.735	1.00	0.00	N
ATOM	649	C2	C B	3	-1.470	-16.023	52.798	1.00	0.00	C
ATOM	650	O2	C B	3	-2.549	-16.008	53.406	1.00	0.00	O
ATOM	651	N3	C B	3	-0.963	-14.921	52.194	1.00	0.00	N
ATOM	652	C4	C B	3	0.207	-14.969	51.543	1.00	0.00	C
ATOM	653	N4	C B	3	0.657	-13.860	50.973	1.00	0.00	N
ATOM	654	C5	C B	3	0.966	-16.183	51.456	1.00	0.00	C
ATOM	655	C6	C B	3	0.438	-17.280	52.077	1.00	0.00	C
ATOM	656	C2'	C B	3	-1.105	-19.711	52.642	1.00	0.00	C
ATOM	657	C3'	C B	3	-0.903	-20.712	53.769	1.00	0.00	C
ATOM	658	O3'	C B	3	-2.176	-21.163	54.227	1.00	0.00	O
ATOM	659	C4'	C B	3	-0.168	-19.889	54.826	1.00	0.00	C
ATOM	660	O4'	C B	3	-0.706	-18.537	54.670	1.00	0.00	O
ATOM	661	C5'	C B	3	1.336	-19.828	54.702	1.00	0.00	C
ATOM	662	O5'	C B	3	1.711	-19.788	53.302	1.00	0.00	O
ATOM	663	O1P	C B	3	2.913	-21.973	52.958	1.00	0.00	O
ATOM	664	O2P	C B	3	3.469	-19.994	51.518	1.00	0.00	O
ATOM	665	P	C B	3	3.059	-20.507	52.848	1.00	0.00	P
ATOM	666	H5	C B	3	1.915	-16.229	50.922	1.00	0.00	H
ATOM	667	H6	C B	3	0.982	-18.224	52.045	1.00	0.00	H
ATOM	668	H1'	C B	3	-2.391	-18.234	53.570	1.00	0.00	H
ATOM	669	H3'	C B	3	-0.308	-21.568	53.454	1.00	0.00	H
ATOM	670	H4'	C B	3	-0.403	-20.333	55.793	1.00	0.00	H
ATOM	671	H41	C B	3	1.556	-13.869	50.469	1.00	0.00	H
ATOM	672	H42	C B	3	0.109	-12.989	51.034	1.00	0.00	H
ATOM	673	H2'1	C B	3	-0.231	-19.664	51.993	1.00	0.00	H
ATOM	674	H2'2	C B	3	-1.961	-19.978	52.022	1.00	0.00	H
ATOM	675	H5'1	C B	3	1.701	-18.932	55.206	1.00	0.00	H
ATOM	676	H5'2	C B	3	1.770	-20.707	55.174	1.00	0.00	H
ATOM	677	C1'	C B	4	-6.037	-17.606	52.103	1.00	0.00	C
ATOM	678	N1	C B	4	-4.921	-17.127	51.243	1.00	0.00	N

ATOM	679	C2	C B	4	-4.929	-15.791	50.847	1.00	0.00	C
ATOM	680	O2	C B	4	-5.856	-15.061	51.224	1.00	0.00	O
ATOM	681	N3	C B	4	-3.923	-15.334	50.064	1.00	0.00	N
ATOM	682	C4	C B	4	-2.933	-16.148	49.670	1.00	0.00	C
ATOM	683	N4	C B	4	-1.971	-15.649	48.908	1.00	0.00	N
ATOM	684	C5	C B	4	-2.901	-17.528	50.058	1.00	0.00	C
ATOM	685	C6	C B	4	-3.923	-17.965	50.852	1.00	0.00	C
ATOM	686	C2'	C B	4	-6.499	-19.020	51.778	1.00	0.00	C
ATOM	687	C3'	C B	4	-6.853	-19.561	53.155	1.00	0.00	C
ATOM	688	O3'	C B	4	-8.183	-19.170	53.484	1.00	0.00	O
ATOM	689	C4'	C B	4	-5.815	-18.899	54.058	1.00	0.00	C
ATOM	690	O4'	C B	4	-5.584	-17.590	53.443	1.00	0.00	O
ATOM	691	C5'	C B	4	-4.488	-19.610	54.191	1.00	0.00	C
ATOM	692	O5'	C B	4	-4.127	-20.216	52.925	1.00	0.00	O
ATOM	693	O1P	C B	4	-4.208	-22.683	53.415	1.00	0.00	O
ATOM	694	O2P	C B	4	-2.700	-21.811	51.610	1.00	0.00	O
ATOM	695	P	C B	4	-3.332	-21.597	52.934	1.00	0.00	P
ATOM	696	H5	C B	4	-2.102	-18.196	49.735	1.00	0.00	H
ATOM	697	H6	C B	4	-3.939	-19.004	51.178	1.00	0.00	H
ATOM	698	H1'	C B	4	-6.861	-16.897	52.019	1.00	0.00	H
ATOM	699	H3'	C B	4	-6.775	-20.648	53.198	1.00	0.00	H
ATOM	700	H4'	C B	4	-6.257	-18.830	55.052	1.00	0.00	H
ATOM	701	H41	C B	4	-1.196	-16.252	48.593	1.00	0.00	H
ATOM	702	H42	C B	4	-1.997	-14.656	48.628	1.00	0.00	H
ATOM	703	H2'1	C B	4	-5.716	-19.613	51.308	1.00	0.00	H
ATOM	704	H2'2	C B	4	-7.363	-19.030	51.113	1.00	0.00	H
ATOM	705	H5'1	C B	4	-3.725	-18.891	54.487	1.00	0.00	H
ATOM	706	H5'2	C B	4	-4.572	-20.380	54.957	1.00	0.00	H
ATOM	707	C1'	G B	5	-9.653	-15.117	49.810	1.00	0.00	C
ATOM	708	N1	G B	5	-5.880	-13.600	46.729	1.00	0.00	N
ATOM	709	C2	G B	5	-6.929	-12.877	47.272	1.00	0.00	C
ATOM	710	N2	G B	5	-6.979	-11.580	46.949	1.00	0.00	N
ATOM	711	N3	G B	5	-7.851	-13.409	48.073	1.00	0.00	N
ATOM	712	C4	G B	5	-7.648	-14.735	48.286	1.00	0.00	C
ATOM	713	C5	G B	5	-6.635	-15.536	47.784	1.00	0.00	C
ATOM	714	C6	G B	5	-5.654	-14.974	46.938	1.00	0.00	C
ATOM	715	O6	G B	5	-4.690	-15.517	46.400	1.00	0.00	O
ATOM	716	N7	G B	5	-6.787	-16.847	48.242	1.00	0.00	N
ATOM	717	C8	G B	5	-7.858	-16.800	48.992	1.00	0.00	C
ATOM	718	N9	G B	5	-8.439	-15.550	49.066	1.00	0.00	N
ATOM	719	C2'	G B	5	-10.770	-16.151	49.815	1.00	0.00	C
ATOM	720	C3'	G B	5	-11.369	-15.964	51.200	1.00	0.00	C
ATOM	721	O3'	G B	5	-12.315	-14.898	51.162	1.00	0.00	O
ATOM	722	C4'	G B	5	-10.150	-15.625	52.055	1.00	0.00	C
ATOM	723	O4'	G B	5	-9.274	-14.877	51.152	1.00	0.00	O
ATOM	724	C5'	G B	5	-9.378	-16.794	52.619	1.00	0.00	C
ATOM	725	O5'	G B	5	-9.362	-17.880	51.659	1.00	0.00	O
ATOM	726	O1P	G B	5	-10.702	-19.683	52.794	1.00	0.00	O
ATOM	727	O2P	G B	5	-8.937	-20.297	51.121	1.00	0.00	O
ATOM	728	P	G B	5	-9.387	-19.381	52.197	1.00	0.00	P
ATOM	729	H1	G B	5	-5.215	-13.092	46.126	1.00	0.00	H
ATOM	730	H8	G B	5	-8.260	-17.670	49.510	1.00	0.00	H
ATOM	731	H1'	G B	5	-9.995	-14.174	49.385	1.00	0.00	H
ATOM	732	H21	G B	5	-6.261	-11.174	46.332	1.00	0.00	H

ATOM	733	H3'	G B	5	-11.860	-16.870	51.559	1.00	0.00	H
ATOM	734	H22	G B	5	-7.737	-10.987	47.318	1.00	0.00	H
ATOM	735	H4'	G B	5	-10.506	-15.026	52.893	1.00	0.00	H
ATOM	736	H2'1	G B	5	-10.396	-17.166	49.678	1.00	0.00	H
ATOM	737	H2'2	G B	5	-11.509	-15.966	49.035	1.00	0.00	H
ATOM	738	H5'1	G B	5	-8.358	-16.478	52.835	1.00	0.00	H
ATOM	739	H5'2	G B	5	-9.854	-17.126	53.541	1.00	0.00	H
ATOM	740	C1'	T B	6	-11.476	-12.106	46.329	1.00	0.00	C
ATOM	741	N1	T B	6	-10.628	-13.267	45.946	1.00	0.00	N
ATOM	742	C2	T B	6	-9.561	-13.017	45.108	1.00	0.00	C
ATOM	743	O2	T B	6	-9.300	-11.905	44.683	1.00	0.00	O
ATOM	744	N3	T B	6	-8.799	-14.124	44.778	1.00	0.00	N
ATOM	745	C4	T B	6	-9.008	-15.421	45.198	1.00	0.00	C
ATOM	746	O4	T B	6	-8.258	-16.333	44.833	1.00	0.00	O
ATOM	747	C5	T B	6	-10.146	-15.581	46.072	1.00	0.00	C
ATOM	748	C6	T B	6	-10.910	-14.526	46.415	1.00	0.00	C
ATOM	749	C7	T B	6	-10.409	-16.977	46.556	1.00	0.00	C
ATOM	750	C2'	T B	6	-12.961	-12.435	46.419	1.00	0.00	C
ATOM	751	C3'	T B	6	-13.409	-11.562	47.582	1.00	0.00	C
ATOM	752	O3'	T B	6	-13.697	-10.251	47.099	1.00	0.00	O
ATOM	753	C4'	T B	6	-12.197	-11.583	48.510	1.00	0.00	C
ATOM	754	O4'	T B	6	-11.051	-11.663	47.603	1.00	0.00	O
ATOM	755	C5'	T B	6	-12.119	-12.731	49.489	1.00	0.00	C
ATOM	756	O5'	T B	6	-12.631	-13.938	48.869	1.00	0.00	O
ATOM	757	O1P	T B	6	-14.710	-14.437	50.198	1.00	0.00	O
ATOM	758	O2P	T B	6	-13.460	-16.301	49.075	1.00	0.00	O
ATOM	759	P	T B	6	-13.410	-14.995	49.775	1.00	0.00	P
ATOM	760	H3	T B	6	-7.994	-13.963	44.155	1.00	0.00	H
ATOM	761	H6	T B	6	-11.764	-14.674	47.076	1.00	0.00	H
ATOM	762	H1'	T B	6	-11.297	-11.302	45.617	1.00	0.00	H
ATOM	763	H3'	T B	6	-14.291	-11.965	48.078	1.00	0.00	H
ATOM	764	H4'	T B	6	-12.222	-10.657	49.085	1.00	0.00	H
ATOM	765	H71	T B	6	-11.356	-17.330	46.150	1.00	0.00	H
ATOM	766	H72	T B	6	-9.604	-17.634	46.227	1.00	0.00	H
ATOM	767	H73	T B	6	-10.458	-16.981	47.646	1.00	0.00	H
ATOM	768	H2'1	T B	6	-13.139	-13.489	46.623	1.00	0.00	H
ATOM	769	H2'2	T B	6	-13.497	-12.182	45.504	1.00	0.00	H
ATOM	770	H5'1	T B	6	-11.081	-12.881	49.784	1.00	0.00	H
ATOM	771	H5'2	T B	6	-12.712	-12.490	50.370	1.00	0.00	H
ATOM	772	C1'	C B	7	-11.420	-9.935	41.864	1.00	0.00	C
ATOM	773	N1	C B	7	-11.298	-11.415	41.987	1.00	0.00	N
ATOM	774	C2	C B	7	-10.243	-12.039	41.324	1.00	0.00	C
ATOM	775	O2	C B	7	-9.456	-11.345	40.666	1.00	0.00	O
ATOM	776	N3	C B	7	-10.114	-13.385	41.423	1.00	0.00	N
ATOM	777	C4	C B	7	-10.982	-14.108	42.142	1.00	0.00	C
ATOM	778	N4	C B	7	-10.806	-15.419	42.206	1.00	0.00	N
ATOM	779	C5	C B	7	-12.080	-13.494	42.830	1.00	0.00	C
ATOM	780	C6	C B	7	-12.186	-12.136	42.720	1.00	0.00	C
ATOM	781	C2'	C B	7	-12.857	-9.444	41.764	1.00	0.00	C
ATOM	782	C3'	C B	7	-12.797	-8.132	42.531	1.00	0.00	C
ATOM	783	O3'	C B	7	-12.351	-7.099	41.656	1.00	0.00	O
ATOM	784	C4'	C B	7	-11.787	-8.430	43.636	1.00	0.00	C
ATOM	785	O4'	C B	7	-10.840	-9.358	43.019	1.00	0.00	O
ATOM	786	C5'	C B	7	-12.335	-9.064	44.895	1.00	0.00	C

ATOM	787	O5'	C B	7	-13.394	-9.993	44.553	1.00	0.00	O
ATOM	788	O1P	C B	7	-15.444	-8.934	45.559	1.00	0.00	O
ATOM	789	O2P	C B	7	-15.338	-11.421	45.255	1.00	0.00	O
ATOM	790	P	C B	7	-14.622	-10.160	45.558	1.00	0.00	P
ATOM	791	H5	C B	7	-12.792	-14.080	43.410	1.00	0.00	H
ATOM	792	H6	C B	7	-13.000	-11.622	43.232	1.00	0.00	H
ATOM	793	H1'	C B	7	-10.836	-9.616	41.000	1.00	0.00	H
ATOM	794	H3'	C B	7	-13.768	-7.859	42.948	1.00	0.00	H
ATOM	795	H4'	C B	7	-11.333	-7.480	43.915	1.00	0.00	H
ATOM	796	H41	C B	7	-11.458	-15.999	42.755	1.00	0.00	H
ATOM	797	H42	C B	7	-10.018	-15.860	41.709	1.00	0.00	H
ATOM	798	H2'1	C B	7	-13.564	-10.138	42.218	1.00	0.00	H
ATOM	799	H2'2	C B	7	-13.170	-9.288	40.731	1.00	0.00	H
ATOM	800	H5'1	C B	7	-11.531	-9.593	45.407	1.00	0.00	H
ATOM	801	H5'2	C B	7	-12.725	-8.284	45.546	1.00	0.00	H
ATOM	802	C1'	C B	8	-10.218	-9.644	37.068	1.00	0.00	C
ATOM	803	N1	C B	8	-10.871	-10.866	37.612	1.00	0.00	N
ATOM	804	C2	C B	8	-10.276	-12.098	37.346	1.00	0.00	C
ATOM	805	O2	C B	8	-9.236	-12.125	36.675	1.00	0.00	O
ATOM	806	N3	C B	8	-10.854	-13.222	37.832	1.00	0.00	N
ATOM	807	C4	C B	8	-11.980	-13.160	38.556	1.00	0.00	C
ATOM	808	N4	C B	8	-12.501	-14.291	39.009	1.00	0.00	N
ATOM	809	C5	C B	8	-12.619	-11.908	38.842	1.00	0.00	C
ATOM	810	C6	C B	8	-12.014	-10.787	38.345	1.00	0.00	C
ATOM	811	C2'	C B	8	-11.201	-8.587	36.582	1.00	0.00	C
ATOM	812	C3'	C B	8	-10.489	-7.296	36.957	1.00	0.00	C
ATOM	813	O3'	C B	8	-9.565	-6.956	35.926	1.00	0.00	O
ATOM	814	C4'	C B	8	-9.788	-7.662	38.263	1.00	0.00	C
ATOM	815	O4'	C B	8	-9.441	-9.075	38.105	1.00	0.00	O
ATOM	816	C5'	C B	8	-10.598	-7.503	39.528	1.00	0.00	C
ATOM	817	O5'	C B	8	-11.980	-7.863	39.273	1.00	0.00	O
ATOM	818	O1P	C B	8	-13.213	-5.688	39.566	1.00	0.00	O
ATOM	819	O2P	C B	8	-14.390	-7.864	39.982	1.00	0.00	O
ATOM	820	P	C B	8	-13.132	-7.081	40.048	1.00	0.00	P
ATOM	821	H5	C B	8	-13.538	-11.852	39.423	1.00	0.00	H
ATOM	822	H6	C B	8	-12.458	-9.811	38.542	1.00	0.00	H
ATOM	823	H1'	C B	8	-9.542	-9.946	36.268	1.00	0.00	H
ATOM	824	H3'	C B	8	-11.188	-6.473	37.102	1.00	0.00	H
ATOM	825	H4'	C B	8	-8.915	-7.014	38.346	1.00	0.00	H
ATOM	826	H41	C B	8	-13.365	-14.271	39.571	1.00	0.00	H
ATOM	827	H42	C B	8	-12.042	-15.190	38.801	1.00	0.00	H
ATOM	828	H2'1	C B	8	-12.169	-8.664	37.076	1.00	0.00	H
ATOM	829	H2'2	C B	8	-11.375	-8.648	35.508	1.00	0.00	H
ATOM	830	H5'1	C B	8	-10.187	-8.151	40.302	1.00	0.00	H
ATOM	831	H5'2	C B	8	-10.544	-6.468	39.860	1.00	0.00	H
ATOM	832	C1'	T B	9	-8.969	-11.531	32.667	1.00	0.00	C
ATOM	833	N1	T B	9	-10.154	-12.055	33.396	1.00	0.00	N
ATOM	834	C2	T B	9	-10.234	-13.422	33.568	1.00	0.00	C
ATOM	835	O2	T B	9	-9.385	-14.190	33.149	1.00	0.00	O
ATOM	836	N3	T B	9	-11.350	-13.866	34.252	1.00	0.00	N
ATOM	837	C4	T B	9	-12.366	-13.086	34.761	1.00	0.00	C
ATOM	838	O4	T B	9	-13.322	-13.599	35.355	1.00	0.00	O
ATOM	839	C5	T B	9	-12.194	-11.670	34.533	1.00	0.00	C
ATOM	840	C6	T B	9	-11.118	-11.202	33.872	1.00	0.00	C

ATOM	841	C7	T B	9	-13.276	-10.783	35.074	1.00	0.00	C
ATOM	842	C2'	T B	9	-9.282	-10.351	31.752	1.00	0.00	C
ATOM	843	C3'	T B	9	-8.025	-9.506	31.884	1.00	0.00	C
ATOM	844	O3'	T B	9	-7.039	-9.988	30.973	1.00	0.00	O
ATOM	845	C4'	T B	9	-7.622	-9.720	33.341	1.00	0.00	C
ATOM	846	O4'	T B	9	-8.026	-11.097	33.627	1.00	0.00	O
ATOM	847	C5'	T B	9	-8.263	-8.805	34.358	1.00	0.00	C
ATOM	848	O5'	T B	9	-9.634	-8.533	33.974	1.00	0.00	O
ATOM	849	O1P	T B	9	-9.616	-6.071	33.456	1.00	0.00	O
ATOM	850	O2P	T B	9	-11.732	-7.174	34.232	1.00	0.00	O
ATOM	851	P	T B	9	-10.253	-7.100	34.302	1.00	0.00	P
ATOM	852	H3	T B	9	-11.431	-14.883	34.396	1.00	0.00	H
ATOM	853	H6	T B	9	-11.011	-10.129	33.712	1.00	0.00	H
ATOM	854	H1'	T B	9	-8.521	-12.351	32.105	1.00	0.00	H
ATOM	855	H3'	T B	9	-8.220	-8.453	31.680	1.00	0.00	H
ATOM	856	H4'	T B	9	-6.541	-9.573	33.395	1.00	0.00	H
ATOM	857	H71	T B	9	-13.798	-10.301	34.247	1.00	0.00	H
ATOM	858	H72	T B	9	-13.982	-11.380	35.652	1.00	0.00	H
ATOM	859	H73	T B	9	-12.833	-10.021	35.717	1.00	0.00	H
ATOM	860	H2'1	T B	9	-10.165	-9.803	32.075	1.00	0.00	H
ATOM	861	H2'2	T B	9	-9.447	-10.661	30.721	1.00	0.00	H
ATOM	862	H5'1	T B	9	-8.242	-9.286	35.336	1.00	0.00	H
ATOM	863	H5'2	T B	9	-7.702	-7.874	34.404	1.00	0.00	H
ATOM	864	C1'	A B	10	-8.805	-15.131	29.254	1.00	0.00	C
ATOM	865	N1	A B	10	-13.020	-16.819	31.645	1.00	0.00	N
ATOM	866	C2	A B	10	-11.948	-17.443	31.164	1.00	0.00	C
ATOM	867	N3	A B	10	-10.892	-16.944	30.559	1.00	0.00	N
ATOM	868	C4	A B	10	-11.003	-15.608	30.453	1.00	0.00	C
ATOM	869	C5	A B	10	-12.032	-14.821	30.890	1.00	0.00	C
ATOM	870	C6	A B	10	-13.102	-15.485	31.525	1.00	0.00	C
ATOM	871	N6	A B	10	-14.181	-14.842	32.006	1.00	0.00	N
ATOM	872	N7	A B	10	-11.797	-13.487	30.607	1.00	0.00	N
ATOM	873	C8	A B	10	-10.644	-13.496	30.005	1.00	0.00	C
ATOM	874	N9	A B	10	-10.100	-14.748	29.878	1.00	0.00	N
ATOM	875	C2'	A B	10	-8.459	-14.318	28.014	1.00	0.00	C
ATOM	876	C3'	A B	10	-6.947	-14.194	28.126	1.00	0.00	C
ATOM	877	O3'	A B	10	-6.339	-15.359	27.574	1.00	0.00	O
ATOM	878	C4'	A B	10	-6.727	-14.090	29.636	1.00	0.00	C
ATOM	879	O4'	A B	10	-7.786	-14.920	30.213	1.00	0.00	O
ATOM	880	C5'	A B	10	-6.819	-12.705	30.232	1.00	0.00	C
ATOM	881	O5'	A B	10	-7.852	-11.945	29.554	1.00	0.00	O
ATOM	882	O1P	A B	10	-6.564	-10.121	28.393	1.00	0.00	O
ATOM	883	O2P	A B	10	-8.955	-9.744	29.054	1.00	0.00	O
ATOM	884	P	A B	10	-7.648	-10.375	29.361	1.00	0.00	P
ATOM	885	H2	A B	10	-11.946	-18.525	31.290	1.00	0.00	H
ATOM	886	H8	A B	10	-10.157	-12.593	29.636	1.00	0.00	H
ATOM	887	H1'	A B	10	-8.838	-16.196	29.027	1.00	0.00	H
ATOM	888	H3'	A B	10	-6.570	-13.310	27.613	1.00	0.00	H
ATOM	889	H4'	A B	10	-5.728	-14.474	29.836	1.00	0.00	H
ATOM	890	H61	A B	10	-14.934	-15.375	32.464	1.00	0.00	H
ATOM	891	H62	A B	10	-14.253	-13.819	31.917	1.00	0.00	H
ATOM	892	H2'1	A B	10	-8.937	-13.340	28.012	1.00	0.00	H
ATOM	893	H2'2	A B	10	-8.746	-14.827	27.092	1.00	0.00	H
ATOM	894	H5'1	A B	10	-7.059	-12.787	31.292	1.00	0.00	H

ATOM	895	H5'2	A B	10	-5.860	-12.203	30.120	1.00	0.00	H
ATOM	896	C1'	G B	11	-10.483	-19.256	27.060	1.00	0.00	C
ATOM	897	N1	G B	11	-14.968	-17.809	29.013	1.00	0.00	N
ATOM	898	C2	G B	11	-14.391	-19.065	28.949	1.00	0.00	C
ATOM	899	N2	G B	11	-15.104	-20.069	29.475	1.00	0.00	N
ATOM	900	N3	G B	11	-13.197	-19.300	28.407	1.00	0.00	N
ATOM	901	C4	G B	11	-12.621	-18.170	27.919	1.00	0.00	C
ATOM	902	C5	G B	11	-13.122	-16.880	27.933	1.00	0.00	C
ATOM	903	C6	G B	11	-14.388	-16.628	28.512	1.00	0.00	C
ATOM	904	O6	G B	11	-14.995	-15.562	28.618	1.00	0.00	O
ATOM	905	N7	G B	11	-12.219	-16.004	27.327	1.00	0.00	N
ATOM	906	C8	G B	11	-11.220	-16.773	26.975	1.00	0.00	C
ATOM	907	N9	G B	11	-11.392	-18.103	27.300	1.00	0.00	N
ATOM	908	C2'	G B	11	-9.749	-19.192	25.728	1.00	0.00	C
ATOM	909	C3'	G B	11	-8.398	-19.794	26.080	1.00	0.00	C
ATOM	910	O3'	G B	11	-8.483	-21.214	26.000	1.00	0.00	O
ATOM	911	C4'	G B	11	-8.172	-19.309	27.511	1.00	0.00	C
ATOM	912	O4'	G B	11	-9.515	-19.264	28.091	1.00	0.00	O
ATOM	913	C5'	G B	11	-7.533	-17.949	27.666	1.00	0.00	C
ATOM	914	O5'	G B	11	-8.006	-17.063	26.622	1.00	0.00	O
ATOM	915	O1P	G B	11	-5.942	-16.617	25.254	1.00	0.00	O
ATOM	916	O2P	G B	11	-7.788	-14.920	25.328	1.00	0.00	O
ATOM	917	P	G B	11	-7.009	-15.965	26.035	1.00	0.00	P
ATOM	918	H1	G B	11	-15.894	-17.734	29.460	1.00	0.00	H
ATOM	919	H8	G B	11	-10.332	-16.396	26.469	1.00	0.00	H
ATOM	920	H1'	G B	11	-11.066	-20.174	27.142	1.00	0.00	H
ATOM	921	H21	G B	11	-16.025	-19.879	29.896	1.00	0.00	H
ATOM	922	H3'	G B	11	-7.608	-19.441	25.416	1.00	0.00	H
ATOM	923	H22	G B	11	-14.732	-21.029	29.457	1.00	0.00	H
ATOM	924	H4'	G B	11	-7.524	-20.039	27.994	1.00	0.00	H
ATOM	925	H2'1	G B	11	-9.645	-18.170	25.362	1.00	0.00	H
ATOM	926	H2'2	G B	11	-10.251	-19.770	24.951	1.00	0.00	H
ATOM	927	H5'1	G B	11	-7.792	-17.541	28.642	1.00	0.00	H
ATOM	928	H5'2	G B	11	-6.450	-18.055	27.597	1.00	0.00	H
ATOM	929	C1'	G B	12	-13.984	-22.529	25.812	1.00	0.00	C
ATOM	930	N1	G B	12	-17.123	-18.560	26.459	1.00	0.00	N
ATOM	931	C2	G B	12	-17.268	-19.881	26.847	1.00	0.00	C
ATOM	932	N2	G B	12	-18.402	-20.184	27.493	1.00	0.00	N
ATOM	933	N3	G B	12	-16.356	-20.821	26.612	1.00	0.00	N
ATOM	934	C4	G B	12	-15.278	-20.338	25.943	1.00	0.00	C
ATOM	935	C5	G B	12	-15.048	-19.043	25.512	1.00	0.00	C
ATOM	936	C6	G B	12	-16.014	-18.042	25.765	1.00	0.00	C
ATOM	937	O6	G B	12	-15.992	-16.849	25.464	1.00	0.00	O
ATOM	938	N7	G B	12	-13.816	-18.961	24.860	1.00	0.00	N
ATOM	939	C8	G B	12	-13.346	-20.180	24.917	1.00	0.00	C
ATOM	940	N9	G B	12	-14.178	-21.075	25.559	1.00	0.00	N
ATOM	941	C2'	G B	12	-13.303	-23.265	24.667	1.00	0.00	C
ATOM	942	C3'	G B	12	-12.454	-24.288	25.406	1.00	0.00	C
ATOM	943	O3'	G B	12	-13.253	-25.430	25.705	1.00	0.00	O
ATOM	944	C4'	G B	12	-12.032	-23.532	26.664	1.00	0.00	C
ATOM	945	O4'	G B	12	-13.169	-22.662	26.961	1.00	0.00	O
ATOM	946	C5'	G B	12	-10.789	-22.682	26.551	1.00	0.00	C
ATOM	947	O5'	G B	12	-10.729	-22.074	25.237	1.00	0.00	O
ATOM	948	O1P	G B	12	-8.709	-23.150	24.190	1.00	0.00	O

ATOM	949	O2P	G B	12	-9.427	-20.859	23.463	1.00	0.00	O
ATOM	950	P	G B	12	-9.302	-21.851	24.559	1.00	0.00	P
ATOM	951	H1	G B	12	-17.887	-17.907	26.696	1.00	0.00	H
ATOM	952	H8	G B	12	-12.383	-20.467	24.495	1.00	0.00	H
ATOM	953	H1'	G B	12	-14.955	-22.969	26.037	1.00	0.00	H
ATOM	954	H21	G B	12	-19.102	-19.449	27.675	1.00	0.00	H
ATOM	955	H3'	G B	12	-11.587	-24.597	24.823	1.00	0.00	H
ATOM	956	H22	G B	12	-18.572	-21.149	27.806	1.00	0.00	H
ATOM	957	H4'	G B	12	-11.855	-24.279	27.438	1.00	0.00	H
ATOM	958	H2'1	G B	12	-12.686	-22.603	24.058	1.00	0.00	H
ATOM	959	H2'2	G B	12	-14.018	-23.749	24.002	1.00	0.00	H
ATOM	960	H5'1	G B	12	-10.816	-21.905	27.315	1.00	0.00	H
ATOM	961	H5'2	G B	12	-9.911	-23.309	26.708	1.00	0.00	H
ATOM	962	C1'	T B	13	-18.640	-23.945	24.910	1.00	0.00	C
ATOM	963	N1	T B	13	-18.084	-22.737	24.245	1.00	0.00	N
ATOM	964	C2	T B	13	-18.823	-21.574	24.329	1.00	0.00	C
ATOM	965	O2	T B	13	-19.890	-21.513	24.915	1.00	0.00	O
ATOM	966	N3	T B	13	-18.269	-20.476	23.699	1.00	0.00	N
ATOM	967	C4	T B	13	-17.075	-20.439	23.009	1.00	0.00	C
ATOM	968	O4	T B	13	-16.681	-19.393	22.480	1.00	0.00	O
ATOM	969	C5	T B	13	-16.373	-21.701	22.977	1.00	0.00	C
ATOM	970	C6	T B	13	-16.883	-22.792	23.581	1.00	0.00	C
ATOM	971	C7	T B	13	-15.067	-21.708	22.239	1.00	0.00	C
ATOM	972	C2'	T B	13	-18.400	-25.237	24.137	1.00	0.00	C
ATOM	973	C3'	T B	13	-18.182	-26.241	25.258	1.00	0.00	C
ATOM	974	O3'	T B	13	-19.447	-26.714	25.714	1.00	0.00	O
ATOM	975	C4'	T B	13	-17.457	-25.415	26.318	1.00	0.00	C
ATOM	976	O4'	T B	13	-18.015	-24.070	26.172	1.00	0.00	O
ATOM	977	C5'	T B	13	-15.953	-25.331	26.192	1.00	0.00	C
ATOM	978	O5'	T B	13	-15.582	-25.278	24.791	1.00	0.00	O
ATOM	979	O1P	T B	13	-14.352	-27.442	24.431	1.00	0.00	O
ATOM	980	O2P	T B	13	-13.826	-25.448	23.002	1.00	0.00	O
ATOM	981	P	T B	13	-14.225	-25.975	24.330	1.00	0.00	P
ATOM	982	H3	T B	13	-18.801	-19.595	23.750	1.00	0.00	H
ATOM	983	H6	T B	13	-16.335	-23.733	23.542	1.00	0.00	H
ATOM	984	H1'	T B	13	-19.705	-23.784	25.078	1.00	0.00	H
ATOM	985	H3'	T B	13	-17.576	-27.087	24.935	1.00	0.00	H
ATOM	986	H4'	T B	13	-17.684	-25.870	27.283	1.00	0.00	H
ATOM	987	H71	T B	13	-15.148	-22.348	21.361	1.00	0.00	H
ATOM	988	H72	T B	13	-14.821	-20.692	21.926	1.00	0.00	H
ATOM	989	H73	T B	13	-14.280	-22.086	22.893	1.00	0.00	H
ATOM	990	H2'1	T B	13	-17.529	-25.173	23.487	1.00	0.00	H
ATOM	991	H2'2	T B	13	-19.253	-25.513	23.517	1.00	0.00	H
ATOM	992	H5'1	T B	13	-15.601	-24.436	26.703	1.00	0.00	H
ATOM	993	H5'2	T B	13	-15.506	-26.209	26.657	1.00	0.00	H
ATOM	994	C1'	G B	14	-23.359	-23.116	23.606	1.00	0.00	C
ATOM	995	N1	G B	14	-21.395	-19.104	21.142	1.00	0.00	N
ATOM	996	C2	G B	14	-22.545	-19.201	21.905	1.00	0.00	C
ATOM	997	N2	G B	14	-23.269	-18.083	22.027	1.00	0.00	N
ATOM	998	N3	G B	14	-22.940	-20.326	22.500	1.00	0.00	N
ATOM	999	C4	G B	14	-22.090	-21.361	22.265	1.00	0.00	C
ATOM	1000	C5	G B	14	-20.927	-21.358	21.515	1.00	0.00	C
ATOM	1001	C6	G B	14	-20.504	-20.164	20.886	1.00	0.00	C
ATOM	1002	O6	G B	14	-19.510	-19.965	20.187	1.00	0.00	O

ATOM	1003	N7	G B	14	-20.345	-22.628	21.520	1.00	0.00	N
ATOM	1004	C8	G B	14	-21.156	-23.343	22.258	1.00	0.00	C
ATOM	1005	N9	G B	14	-22.241	-22.643	22.745	1.00	0.00	N
ATOM	1006	C2'	G B	14	-23.822	-24.531	23.288	1.00	0.00	C
ATOM	1007	C3'	G B	14	-24.179	-25.067	24.665	1.00	0.00	C
ATOM	1008	O3'	G B	14	-25.509	-24.671	24.990	1.00	0.00	O
ATOM	1009	C4'	G B	14	-23.141	-24.401	25.567	1.00	0.00	C
ATOM	1010	O4'	G B	14	-22.909	-23.097	24.947	1.00	0.00	O
ATOM	1011	C5'	G B	14	-21.817	-25.114	25.707	1.00	0.00	C
ATOM	1012	O5'	G B	14	-21.453	-25.725	24.444	1.00	0.00	O
ATOM	1013	O1P	G B	14	-21.538	-28.190	24.944	1.00	0.00	O
ATOM	1014	O2P	G B	14	-20.025	-27.328	23.138	1.00	0.00	O
ATOM	1015	P	G B	14	-20.659	-27.108	24.461	1.00	0.00	P
ATOM	1016	H1	G B	14	-21.174	-18.185	20.729	1.00	0.00	H
ATOM	1017	H8	G B	14	-20.989	-24.400	22.469	1.00	0.00	H
ATOM	1018	H1'	G B	14	-24.182	-22.406	23.519	1.00	0.00	H
ATOM	1019	H21	G B	14	-22.954	-17.215	21.566	1.00	0.00	H
ATOM	1020	H3'	G B	14	-24.102	-26.153	24.713	1.00	0.00	H
ATOM	1021	H22	G B	14	-24.138	-18.089	22.579	1.00	0.00	H
ATOM	1022	H4'	G B	14	-23.586	-24.327	26.560	1.00	0.00	H
ATOM	1023	H2'1	G B	14	-23.038	-25.128	22.821	1.00	0.00	H
ATOM	1024	H2'2	G B	14	-24.684	-24.544	22.621	1.00	0.00	H
ATOM	1025	H5'1	G B	14	-21.053	-24.395	26.001	1.00	0.00	H
ATOM	1026	H5'2	G B	14	-21.903	-25.880	26.476	1.00	0.00	H
ATOM	1027	C1'	C B	15	-26.975	-20.627	21.314	1.00	0.00	C
ATOM	1028	N1	C B	15	-25.760	-21.054	20.569	1.00	0.00	N
ATOM	1029	C2	C B	15	-25.078	-20.093	19.826	1.00	0.00	C
ATOM	1030	O2	C B	15	-25.507	-18.931	19.817	1.00	0.00	O
ATOM	1031	N3	C B	15	-23.969	-20.461	19.140	1.00	0.00	N
ATOM	1032	C4	C B	15	-23.530	-21.725	19.169	1.00	0.00	C
ATOM	1033	N4	C B	15	-22.439	-22.030	18.483	1.00	0.00	N
ATOM	1034	C5	C B	15	-24.214	-22.738	19.921	1.00	0.00	C
ATOM	1035	C6	C B	15	-25.325	-22.342	20.608	1.00	0.00	C
ATOM	1036	C2'	C B	15	-28.091	-21.662	21.314	1.00	0.00	C
ATOM	1037	C3'	C B	15	-28.691	-21.484	22.701	1.00	0.00	C
ATOM	1038	O3'	C B	15	-29.639	-20.418	22.668	1.00	0.00	O
ATOM	1039	C4'	C B	15	-27.472	-21.145	23.556	1.00	0.00	C
ATOM	1040	O4'	C B	15	-26.596	-20.393	22.658	1.00	0.00	O
ATOM	1041	C5'	C B	15	-26.698	-22.318	24.115	1.00	0.00	C
ATOM	1042	O5'	C B	15	-26.682	-23.398	23.150	1.00	0.00	O
ATOM	1043	O1P	C B	15	-28.019	-25.209	24.277	1.00	0.00	O
ATOM	1044	O2P	C B	15	-26.253	-25.814	22.601	1.00	0.00	O
ATOM	1045	P	C B	15	-26.703	-24.902	23.680	1.00	0.00	P
ATOM	1046	H5	C B	15	-23.864	-23.770	19.942	1.00	0.00	H
ATOM	1047	H6	C B	15	-25.876	-23.075	21.199	1.00	0.00	H
ATOM	1048	H1'	C B	15	-27.319	-19.682	20.893	1.00	0.00	H
ATOM	1049	H3'	C B	15	-29.180	-22.391	23.054	1.00	0.00	H
ATOM	1050	H4'	C B	15	-27.830	-20.553	24.398	1.00	0.00	H
ATOM	1051	H41	C B	15	-22.077	-22.995	18.490	1.00	0.00	H
ATOM	1052	H42	C B	15	-21.950	-21.301	17.941	1.00	0.00	H
ATOM	1053	H2'1	C B	15	-27.716	-22.675	21.172	1.00	0.00	H
ATOM	1054	H2'2	C B	15	-28.830	-21.475	20.535	1.00	0.00	H
ATOM	1055	H5'1	C B	15	-25.678	-22.001	24.333	1.00	0.00	H
ATOM	1056	H5'2	C B	15	-27.174	-22.654	25.036	1.00	0.00	H

ATOM	1057	C1'	G B	16	-28.778	-17.618	17.819	1.00	0.00	C
ATOM	1058	N1	G B	16	-24.720	-19.201	15.164	1.00	0.00	N
ATOM	1059	C2	G B	16	-25.259	-17.933	15.291	1.00	0.00	C
ATOM	1060	N2	G B	16	-24.633	-16.957	14.620	1.00	0.00	N
ATOM	1061	N3	G B	16	-26.334	-17.660	16.029	1.00	0.00	N
ATOM	1062	C4	G B	16	-26.840	-18.767	16.632	1.00	0.00	C
ATOM	1063	C5	G B	16	-26.374	-20.069	16.559	1.00	0.00	C
ATOM	1064	C6	G B	16	-25.231	-20.359	15.779	1.00	0.00	C
ATOM	1065	O6	G B	16	-24.672	-21.441	15.593	1.00	0.00	O
ATOM	1066	N7	G B	16	-27.180	-20.914	17.325	1.00	0.00	N
ATOM	1067	C8	G B	16	-28.087	-20.116	17.829	1.00	0.00	C
ATOM	1068	N9	G B	16	-27.947	-18.796	17.452	1.00	0.00	N
ATOM	1069	C2'	G B	16	-30.267	-17.922	17.909	1.00	0.00	C
ATOM	1070	C3'	G B	16	-30.705	-17.030	19.060	1.00	0.00	C
ATOM	1071	O3'	G B	16	-30.971	-15.721	18.562	1.00	0.00	O
ATOM	1072	C4'	G B	16	-29.495	-17.058	19.991	1.00	0.00	C
ATOM	1073	O4'	G B	16	-28.348	-17.165	19.088	1.00	0.00	O
ATOM	1074	C5'	G B	16	-29.437	-18.196	20.983	1.00	0.00	C
ATOM	1075	O5'	G B	16	-29.966	-19.401	20.377	1.00	0.00	O
ATOM	1076	O1P	G B	16	-32.054	-19.854	21.707	1.00	0.00	O
ATOM	1077	O2P	G B	16	-30.831	-21.749	20.609	1.00	0.00	O
ATOM	1078	P	G B	16	-30.763	-20.435	21.294	1.00	0.00	P
ATOM	1079	H1	G B	16	-23.881	-19.304	14.573	1.00	0.00	H
ATOM	1080	H8	G B	16	-28.882	-20.463	18.487	1.00	0.00	H
ATOM	1081	H1'	G B	16	-28.584	-16.824	17.097	1.00	0.00	H
ATOM	1082	H21	G B	16	-23.801	-17.175	14.054	1.00	0.00	H
ATOM	1083	H3'	G B	16	-31.595	-17.414	19.559	1.00	0.00	H
ATOM	1084	H22	G B	16	-24.987	-15.991	14.672	1.00	0.00	H
ATOM	1085	H4'	G B	16	-29.507	-16.125	20.555	1.00	0.00	H
ATOM	1086	H2'1	G B	16	-30.462	-18.973	18.125	1.00	0.00	H
ATOM	1087	H2'2	G B	16	-30.797	-17.673	16.990	1.00	0.00	H
ATOM	1088	H5'1	G B	16	-28.402	-18.357	21.283	1.00	0.00	H
ATOM	1089	H5'2	G B	16	-30.028	-17.934	21.861	1.00	0.00	H
ATOM	1090	C1'	G B	17	-28.742	-15.447	13.368	1.00	0.00	C
ATOM	1091	N1	G B	17	-26.030	-19.552	12.019	1.00	0.00	N
ATOM	1092	C2	G B	17	-25.846	-18.219	11.694	1.00	0.00	C
ATOM	1093	N2	G B	17	-24.801	-17.945	10.904	1.00	0.00	N
ATOM	1094	N3	G B	17	-26.639	-17.241	12.125	1.00	0.00	N
ATOM	1095	C4	G B	17	-27.649	-17.702	12.907	1.00	0.00	C
ATOM	1096	C5	G B	17	-27.913	-19.008	13.280	1.00	0.00	C
ATOM	1097	C6	G B	17	-27.070	-20.047	12.827	1.00	0.00	C
ATOM	1098	O6	G B	17	-27.140	-21.257	13.048	1.00	0.00	O
ATOM	1099	N7	G B	17	-29.048	-19.059	14.093	1.00	0.00	N
ATOM	1100	C8	G B	17	-29.425	-17.810	14.187	1.00	0.00	C
ATOM	1101	N9	G B	17	-28.626	-16.926	13.493	1.00	0.00	N
ATOM	1102	C2'	G B	17	-30.178	-14.951	13.271	1.00	0.00	C
ATOM	1103	C3'	G B	17	-30.113	-13.638	14.035	1.00	0.00	C
ATOM	1104	O3'	G B	17	-29.666	-12.608	13.157	1.00	0.00	O
ATOM	1105	C4'	G B	17	-29.100	-13.936	15.138	1.00	0.00	C
ATOM	1106	O4'	G B	17	-28.158	-14.869	14.520	1.00	0.00	O
ATOM	1107	C5'	G B	17	-29.646	-14.565	16.398	1.00	0.00	C
ATOM	1108	O5'	G B	17	-30.708	-15.492	16.063	1.00	0.00	O
ATOM	1109	O1P	G B	17	-32.752	-14.423	17.072	1.00	0.00	O
ATOM	1110	O2P	G B	17	-32.656	-16.913	16.775	1.00	0.00	O

ATOM	1111	P	G B	17	-31.935	-15.651	17.072	1.00	0.00	P
ATOM	1112	H1	G B	17	-25.354	-20.232	11.638	1.00	0.00	H
ATOM	1113	H8	G B	17	-30.295	-17.495	14.763	1.00	0.00	H
ATOM	1114	H1'	G B	17	-28.160	-15.131	12.503	1.00	0.00	H
ATOM	1115	H21	G B	17	-24.188	-18.706	10.577	1.00	0.00	H
ATOM	1116	H3'	G B	17	-31.080	-13.360	14.454	1.00	0.00	H
ATOM	1117	H22	G B	17	-24.610	-16.972	10.624	1.00	0.00	H
ATOM	1118	H4'	G B	17	-28.641	-12.987	15.412	1.00	0.00	H
ATOM	1119	H2'1	G B	17	-30.886	-15.642	13.730	1.00	0.00	H
ATOM	1120	H2'2	G B	17	-30.494	-14.796	12.240	1.00	0.00	H
ATOM	1121	H5'1	G B	17	-28.843	-15.095	16.911	1.00	0.00	H
ATOM	1122	H5'2	G B	17	-30.032	-13.782	17.051	1.00	0.00	H
ATOM	1123	C1'	C B	18	-27.540	-15.155	8.572	1.00	0.00	C
ATOM	1124	N1	C B	18	-28.193	-16.377	9.117	1.00	0.00	N
ATOM	1125	C2	C B	18	-27.597	-17.608	8.851	1.00	0.00	C
ATOM	1126	O2	C B	18	-26.558	-17.636	8.180	1.00	0.00	O
ATOM	1127	N3	C B	18	-28.177	-18.732	9.337	1.00	0.00	N
ATOM	1128	C4	C B	18	-29.302	-18.668	10.060	1.00	0.00	C
ATOM	1129	N4	C B	18	-29.824	-19.800	10.512	1.00	0.00	N
ATOM	1130	C5	C B	18	-29.937	-17.417	10.346	1.00	0.00	C
ATOM	1131	C6	C B	18	-29.335	-16.299	9.849	1.00	0.00	C
ATOM	1132	C2'	C B	18	-28.523	-14.098	8.086	1.00	0.00	C
ATOM	1133	C3'	C B	18	-27.811	-12.807	8.461	1.00	0.00	C
ATOM	1134	O3'	C B	18	-26.887	-12.466	7.430	1.00	0.00	O
ATOM	1135	C4'	C B	18	-27.110	-13.173	9.767	1.00	0.00	C
ATOM	1136	O4'	C B	18	-26.763	-14.585	9.609	1.00	0.00	O
ATOM	1137	C5'	C B	18	-27.920	-13.013	11.032	1.00	0.00	C
ATOM	1138	O5'	C B	18	-29.302	-13.374	10.776	1.00	0.00	O
ATOM	1139	O1P	C B	18	-30.535	-11.199	11.070	1.00	0.00	O
ATOM	1140	O2P	C B	18	-31.713	-13.375	11.487	1.00	0.00	O
ATOM	1141	P	C B	18	-30.455	-12.592	11.553	1.00	0.00	P
ATOM	1142	H5	C B	18	-30.855	-17.361	10.931	1.00	0.00	H
ATOM	1143	H6	C B	18	-29.780	-15.324	10.044	1.00	0.00	H
ATOM	1144	H1'	C B	18	-26.864	-15.457	7.773	1.00	0.00	H
ATOM	1145	H3'	C B	18	-28.510	-11.984	8.606	1.00	0.00	H
ATOM	1146	H4'	C B	18	-26.236	-12.526	9.850	1.00	0.00	H
ATOM	1147	H41	C B	18	-30.689	-19.779	11.073	1.00	0.00	H
ATOM	1148	H42	C B	18	-29.365	-20.698	10.305	1.00	0.00	H
ATOM	1149	H2'1	C B	18	-29.491	-14.175	8.580	1.00	0.00	H
ATOM	1150	H2'2	C B	18	-28.697	-14.159	7.012	1.00	0.00	H
ATOM	1151	H5'1	C B	18	-27.509	-13.661	11.806	1.00	0.00	H
ATOM	1152	H5'2	C B	18	-27.866	-11.978	11.364	1.00	0.00	H
ATOM	1153	C1'	C B	19	-26.295	-17.063	4.175	1.00	0.00	C
ATOM	1154	N1	C B	19	-27.488	-17.567	4.909	1.00	0.00	N
ATOM	1155	C2	C B	19	-27.602	-18.943	5.103	1.00	0.00	C
ATOM	1156	O2	C B	19	-26.714	-19.684	4.663	1.00	0.00	O
ATOM	1157	N3	C B	19	-28.681	-19.421	5.769	1.00	0.00	N
ATOM	1158	C4	C B	19	-29.626	-18.592	6.233	1.00	0.00	C
ATOM	1159	N4	C B	19	-30.658	-19.113	6.877	1.00	0.00	N
ATOM	1160	C5	C B	19	-29.534	-17.176	6.046	1.00	0.00	C
ATOM	1161	C6	C B	19	-28.440	-16.717	5.375	1.00	0.00	C
ATOM	1162	C2'	C B	19	-26.593	-15.892	3.251	1.00	0.00	C
ATOM	1163	C3'	C B	19	-25.326	-15.059	3.376	1.00	0.00	C
ATOM	1164	O3'	C B	19	-24.344	-15.562	2.473	1.00	0.00	O

ATOM	1165	C4'	C B	19	-24.927	-15.265	4.836	1.00	0.00	C
ATOM	1166	O4'	C B	19	-25.350	-16.633	5.137	1.00	0.00	O
ATOM	1167	C5'	C B	19	-25.561	-14.333	5.843	1.00	0.00	C
ATOM	1168	O5'	C B	19	-26.928	-14.047	5.455	1.00	0.00	O
ATOM	1169	O1P	C B	19	-26.878	-11.590	4.913	1.00	0.00	O
ATOM	1170	O2P	C B	19	-29.008	-12.660	5.695	1.00	0.00	O
ATOM	1171	P	C B	19	-27.528	-12.604	5.767	1.00	0.00	P
ATOM	1172	H5	C B	19	-30.300	-16.498	6.420	1.00	0.00	H
ATOM	1173	H6	C B	19	-28.325	-15.646	5.210	1.00	0.00	H
ATOM	1174	H1'	C B	19	-25.858	-17.896	3.623	1.00	0.00	H
ATOM	1175	H3'	C B	19	-25.508	-14.006	3.163	1.00	0.00	H
ATOM	1176	H4'	C B	19	-23.847	-15.131	4.892	1.00	0.00	H
ATOM	1177	H41	C B	19	-31.399	-18.499	7.247	1.00	0.00	H
ATOM	1178	H42	C B	19	-30.722	-20.134	7.010	1.00	0.00	H
ATOM	1179	H2'1	C B	19	-27.470	-15.328	3.566	1.00	0.00	H
ATOM	1180	H2'2	C B	19	-26.759	-16.209	2.221	1.00	0.00	H
ATOM	1181	H5'1	C B	19	-25.546	-14.804	6.825	1.00	0.00	H
ATOM	1182	H5'2	C B	19	-24.987	-13.408	5.882	1.00	0.00	H
ATOM	1183	C1'	T B	20	-26.128	-20.641	0.758	1.00	0.00	C
ATOM	1184	N1	T B	20	-27.424	-20.260	1.380	1.00	0.00	N
ATOM	1185	C2	T B	20	-28.194	-21.278	1.904	1.00	0.00	C
ATOM	1186	O2	T B	20	-27.852	-22.448	1.873	1.00	0.00	O
ATOM	1187	N3	T B	20	-29.389	-20.880	2.472	1.00	0.00	N
ATOM	1188	C4	T B	20	-29.868	-19.591	2.559	1.00	0.00	C
ATOM	1189	O4	T B	20	-30.960	-19.356	3.092	1.00	0.00	O
ATOM	1190	C5	T B	20	-28.995	-18.597	1.985	1.00	0.00	C
ATOM	1191	C6	T B	20	-27.822	-18.947	1.423	1.00	0.00	C
ATOM	1192	C7	T B	20	-29.477	-17.178	2.058	1.00	0.00	C
ATOM	1193	C2'	T B	20	-25.782	-19.830	-0.485	1.00	0.00	C
ATOM	1194	C3'	T B	20	-24.271	-19.701	-0.369	1.00	0.00	C
ATOM	1195	O3'	T B	20	-23.658	-20.864	-0.921	1.00	0.00	O
ATOM	1196	C4'	T B	20	-24.053	-19.592	1.138	1.00	0.00	C
ATOM	1197	O4'	T B	20	-25.109	-20.425	1.716	1.00	0.00	O
ATOM	1198	C5'	T B	20	-24.150	-18.207	1.733	1.00	0.00	C
ATOM	1199	O5'	T B	20	-25.184	-17.452	1.051	1.00	0.00	O
ATOM	1200	O1P	T B	20	-23.902	-15.627	-0.112	1.00	0.00	O
ATOM	1201	O2P	T B	20	-26.294	-15.256	0.547	1.00	0.00	O
ATOM	1202	P	T B	20	-24.986	-15.883	0.856	1.00	0.00	P
ATOM	1203	H3	T B	20	-29.982	-21.621	2.871	1.00	0.00	H
ATOM	1204	H6	T B	20	-27.179	-18.178	0.996	1.00	0.00	H
ATOM	1205	H1'	T B	20	-26.156	-21.707	0.533	1.00	0.00	H
ATOM	1206	H3'	T B	20	-23.897	-18.818	-0.886	1.00	0.00	H
ATOM	1207	H4'	T B	20	-23.051	-19.972	1.341	1.00	0.00	H
ATOM	1208	H3T	T B	20	-23.932	-21.085	-1.814	1.00	0.00	H
ATOM	1209	H71	T B	20	-29.668	-16.806	1.052	1.00	0.00	H
ATOM	1210	H72	T B	20	-30.397	-17.136	2.643	1.00	0.00	H
ATOM	1211	H73	T B	20	-28.717	-16.559	2.536	1.00	0.00	H
ATOM	1212	H2'1	T B	20	-26.264	-18.854	-0.488	1.00	0.00	H
ATOM	1213	H2'2	T B	20	-26.068	-20.341	-1.404	1.00	0.00	H
ATOM	1214	H5'1	T B	20	-24.390	-18.288	2.793	1.00	0.00	H
ATOM	1215	H5'2	T B	20	-23.192	-17.702	1.620	1.00	0.00	H
TER										
ATOM	1	C1'	A A	1	31.651	-70.008	98.899	1.00	0.00	C
ATOM	2	N1	A A	1	28.591	-69.987	103.018	1.00	0.00	N

ATOM	3	C2	A A	1	28.574	-70.691	101.890	1.00	0.00	C
ATOM	4	N3	A A	1	29.399	-70.649	100.865	1.00	0.00	N
ATOM	5	C4	A A	1	30.359	-69.731	101.078	1.00	0.00	C
ATOM	6	C5	A A	1	30.515	-68.930	102.174	1.00	0.00	C
ATOM	7	C6	A A	1	29.561	-69.080	103.203	1.00	0.00	C
ATOM	8	N6	A A	1	29.588	-68.362	104.339	1.00	0.00	N
ATOM	9	N7	A A	1	31.620	-68.108	102.038	1.00	0.00	N
ATOM	10	C8	A A	1	32.102	-68.424	100.873	1.00	0.00	C
ATOM	11	N9	A A	1	31.390	-69.403	100.232	1.00	0.00	N
ATOM	12	C2'	A A	1	32.157	-69.014	97.862	1.00	0.00	C
ATOM	13	C3'	A A	1	33.130	-69.862	97.059	1.00	0.00	C
ATOM	14	O3'	A A	1	32.410	-70.583	96.061	1.00	0.00	O
ATOM	15	C4'	A A	1	33.732	-70.786	98.117	1.00	0.00	C
ATOM	16	O4'	A A	1	32.638	-71.008	99.064	1.00	0.00	O
ATOM	17	C5'	A A	1	34.925	-70.251	98.873	1.00	0.00	C
ATOM	18	O5'	A A	1	34.766	-68.827	99.099	1.00	0.00	O
ATOM	19	H2	A A	1	27.758	-71.408	101.800	1.00	0.00	H
ATOM	20	H8	A A	1	32.989	-67.955	100.447	1.00	0.00	H
ATOM	21	H1'	A A	1	30.736	-70.494	98.559	1.00	0.00	H
ATOM	22	H3'	A A	1	33.902	-69.257	96.581	1.00	0.00	H
ATOM	23	H4'	A A	1	34.042	-71.695	97.604	1.00	0.00	H
ATOM	24	H61	A A	1	28.869	-68.511	105.058	1.00	0.00	H
ATOM	25	H62	A A	1	30.330	-67.663	104.486	1.00	0.00	H
ATOM	26	H5T	A A	1	35.547	-68.270	99.097	1.00	0.00	H
ATOM	27	H2'1	A A	1	32.658	-68.161	98.317	1.00	0.00	H
ATOM	28	H2'2	A A	1	31.355	-68.628	97.233	1.00	0.00	H
ATOM	29	H5'1	A A	1	35.003	-70.769	99.829	1.00	0.00	H
ATOM	30	H5'2	A A	1	35.827	-70.433	98.293	1.00	0.00	H
ATOM	31	C1'	G A	2	26.892	-70.246	97.504	1.00	0.00	C
ATOM	32	N1	G A	2	26.034	-67.963	101.983	1.00	0.00	N
ATOM	33	C2	G A	2	25.354	-69.000	101.373	1.00	0.00	C
ATOM	34	N2	G A	2	24.306	-69.493	102.042	1.00	0.00	N
ATOM	35	N3	G A	2	25.693	-69.505	100.188	1.00	0.00	N
ATOM	36	C4	G A	2	26.775	-68.881	99.651	1.00	0.00	C
ATOM	37	C5	G A	2	27.514	-67.838	100.186	1.00	0.00	C
ATOM	38	C6	G A	2	27.155	-67.305	101.447	1.00	0.00	C
ATOM	39	O6	G A	2	27.683	-66.391	102.080	1.00	0.00	O
ATOM	40	N7	G A	2	28.547	-67.483	99.317	1.00	0.00	N
ATOM	41	C8	G A	2	28.409	-68.305	98.308	1.00	0.00	C
ATOM	42	N9	G A	2	27.353	-69.184	98.437	1.00	0.00	N
ATOM	43	C2'	G A	2	27.001	-69.863	96.034	1.00	0.00	C
ATOM	44	C3'	G A	2	27.376	-71.185	95.387	1.00	0.00	C
ATOM	45	O3'	G A	2	26.190	-71.936	95.134	1.00	0.00	O
ATOM	46	C4'	G A	2	28.260	-71.843	96.446	1.00	0.00	C
ATOM	47	O4'	G A	2	27.698	-71.389	97.717	1.00	0.00	O
ATOM	48	C5'	G A	2	29.728	-71.486	96.409	1.00	0.00	C
ATOM	49	O5'	G A	2	29.885	-70.094	96.037	1.00	0.00	O
ATOM	50	O1P	G A	2	31.029	-70.216	93.799	1.00	0.00	O
ATOM	51	O2P	G A	2	31.350	-68.206	95.264	1.00	0.00	O
ATOM	52	P	G A	2	31.151	-69.672	95.165	1.00	0.00	P
ATOM	53	H1	G A	2	25.692	-67.648	102.903	1.00	0.00	H
ATOM	54	H8	G A	2	29.068	-68.296	97.441	1.00	0.00	H
ATOM	55	H1'	G A	2	25.865	-70.507	97.763	1.00	0.00	H
ATOM	56	H21	G A	2	24.050	-69.099	102.959	1.00	0.00	H

ATOM	57	H3'	G A	2	27.920	-71.043	94.453	1.00	0.00	H
ATOM	58	H22	G A	2	23.757	-70.266	101.639	1.00	0.00	H
ATOM	59	H4'	G A	2	28.176	-72.920	96.303	1.00	0.00	H
ATOM	60	H2'1	G A	2	27.766	-69.105	95.861	1.00	0.00	H
ATOM	61	H2'2	G A	2	26.062	-69.477	95.636	1.00	0.00	H
ATOM	62	H5'1	G A	2	30.161	-71.655	97.395	1.00	0.00	H
ATOM	63	H5'2	G A	2	30.233	-72.122	95.683	1.00	0.00	H
ATOM	64	C1'	G A	3	22.033	-69.488	98.094	1.00	0.00	C
ATOM	65	N1	G A	3	23.570	-65.726	101.176	1.00	0.00	N
ATOM	66	C2	G A	3	22.555	-66.649	101.342	1.00	0.00	C
ATOM	67	N2	G A	3	21.854	-66.558	102.480	1.00	0.00	N
ATOM	68	N3	G A	3	22.262	-67.589	100.447	1.00	0.00	N
ATOM	69	C4	G A	3	23.068	-67.530	99.353	1.00	0.00	C
ATOM	70	C5	G A	3	24.102	-66.644	99.101	1.00	0.00	C
ATOM	71	C6	G A	3	24.416	-65.648	100.055	1.00	0.00	C
ATOM	72	O6	G A	3	25.288	-64.780	100.013	1.00	0.00	O
ATOM	73	N7	G A	3	24.681	-66.919	97.861	1.00	0.00	N
ATOM	74	C8	G A	3	24.000	-67.941	97.413	1.00	0.00	C
ATOM	75	N9	G A	3	23.001	-68.370	98.263	1.00	0.00	N
ATOM	76	C2'	G A	3	21.532	-69.654	96.666	1.00	0.00	C
ATOM	77	C3'	G A	3	21.397	-71.163	96.550	1.00	0.00	C
ATOM	78	O3'	G A	3	20.132	-71.561	97.073	1.00	0.00	O
ATOM	79	C4'	G A	3	22.559	-71.675	97.400	1.00	0.00	C
ATOM	80	O4'	G A	3	22.686	-70.685	98.469	1.00	0.00	O
ATOM	81	C5'	G A	3	23.892	-71.808	96.703	1.00	0.00	C
ATOM	82	O5'	G A	3	24.057	-70.729	95.749	1.00	0.00	O
ATOM	83	O1P	G A	3	24.063	-71.911	93.527	1.00	0.00	O
ATOM	84	O2P	G A	3	25.272	-69.729	93.790	1.00	0.00	O
ATOM	85	P	G A	3	24.851	-71.016	94.396	1.00	0.00	P
ATOM	86	H1	G A	3	23.718	-65.041	101.934	1.00	0.00	H
ATOM	87	H8	G A	3	24.202	-68.414	96.453	1.00	0.00	H
ATOM	88	H1'	G A	3	21.203	-69.328	98.782	1.00	0.00	H
ATOM	89	H21	G A	3	22.088	-65.829	103.170	1.00	0.00	H
ATOM	90	H3'	G A	3	21.485	-71.504	95.518	1.00	0.00	H
ATOM	91	H22	G A	3	21.083	-67.215	102.662	1.00	0.00	H
ATOM	92	H4'	G A	3	22.274	-72.661	97.765	1.00	0.00	H
ATOM	93	H2'1	G A	3	22.237	-69.262	95.932	1.00	0.00	H
ATOM	94	H2'2	G A	3	20.577	-69.155	96.501	1.00	0.00	H
ATOM	95	H5'1	G A	3	24.689	-71.770	97.445	1.00	0.00	H
ATOM	96	H5'2	G A	3	23.931	-72.767	96.186	1.00	0.00	H
ATOM	97	C1'	C A	4	18.093	-67.153	99.981	1.00	0.00	C
ATOM	98	N1	C A	4	19.181	-66.383	99.314	1.00	0.00	N
ATOM	99	C2	C A	4	19.735	-65.308	100.005	1.00	0.00	C
ATOM	100	O2	C A	4	19.305	-65.037	101.133	1.00	0.00	O
ATOM	101	N3	C A	4	20.725	-64.596	99.416	1.00	0.00	N
ATOM	102	C4	C A	4	21.168	-64.913	98.193	1.00	0.00	C
ATOM	103	N4	C A	4	22.141	-64.184	97.666	1.00	0.00	N
ATOM	104	C5	C A	4	20.614	-66.012	97.460	1.00	0.00	C
ATOM	105	C6	C A	4	19.620	-66.718	98.072	1.00	0.00	C
ATOM	106	C2'	C A	4	16.995	-67.611	99.031	1.00	0.00	C
ATOM	107	C3'	C A	4	16.618	-68.966	99.612	1.00	0.00	C
ATOM	108	O3'	C A	4	15.672	-68.776	100.663	1.00	0.00	O
ATOM	109	C4'	C A	4	17.952	-69.499	100.126	1.00	0.00	C
ATOM	110	O4'	C A	4	18.676	-68.304	100.563	1.00	0.00	O

ATOM	111	C5'	C A	4	18.808	-70.242	99.127	1.00	0.00	C
ATOM	112	O5'	C A	4	18.680	-69.627	97.819	1.00	0.00	O
ATOM	113	O1P	C A	4	17.541	-71.405	96.449	1.00	0.00	O
ATOM	114	O2P	C A	4	19.028	-69.721	95.332	1.00	0.00	O
ATOM	115	P	C A	4	18.746	-70.557	96.525	1.00	0.00	P
ATOM	116	H5	C A	4	20.968	-66.270	96.461	1.00	0.00	H
ATOM	117	H6	C A	4	19.171	-67.566	97.556	1.00	0.00	H
ATOM	118	H1'	C A	4	17.685	-66.540	100.783	1.00	0.00	H
ATOM	119	H3'	C A	4	16.192	-69.628	98.859	1.00	0.00	H
ATOM	120	H4'	C A	4	17.726	-70.183	100.944	1.00	0.00	H
ATOM	121	H41	C A	4	22.501	-64.407	96.726	1.00	0.00	H
ATOM	122	H42	C A	4	22.537	-63.393	98.194	1.00	0.00	H
ATOM	123	H2'1	C A	4	17.348	-67.706	98.005	1.00	0.00	H
ATOM	124	H2'2	C A	4	16.144	-66.930	99.023	1.00	0.00	H
ATOM	125	H5'1	C A	4	19.849	-70.207	99.450	1.00	0.00	H
ATOM	126	H5'2	C A	4	18.482	-71.280	99.079	1.00	0.00	H
ATOM	127	C1'	C A	5	15.757	-63.261	101.960	1.00	0.00	C
ATOM	128	N1	C A	5	16.530	-63.116	100.697	1.00	0.00	N
ATOM	129	C2	C A	5	17.474	-62.094	100.625	1.00	0.00	C
ATOM	130	O2	C A	5	17.632	-61.354	101.605	1.00	0.00	O
ATOM	131	N3	C A	5	18.190	-61.945	99.483	1.00	0.00	N
ATOM	132	C4	C A	5	17.997	-62.759	98.438	1.00	0.00	C
ATOM	133	N4	C A	5	18.725	-62.570	97.349	1.00	0.00	N
ATOM	134	C5	C A	5	17.031	-63.817	98.484	1.00	0.00	C
ATOM	135	C6	C A	5	16.326	-63.950	99.644	1.00	0.00	C
ATOM	136	C2'	C A	5	14.301	-63.651	101.747	1.00	0.00	C
ATOM	137	C3'	C A	5	14.039	-64.562	102.937	1.00	0.00	C
ATOM	138	O3'	C A	5	13.692	-63.765	104.068	1.00	0.00	O
ATOM	139	C4'	C A	5	15.376	-65.274	103.120	1.00	0.00	C
ATOM	140	O4'	C A	5	16.374	-64.279	102.728	1.00	0.00	O
ATOM	141	C5'	C A	5	15.590	-66.523	102.297	1.00	0.00	C
ATOM	142	O5'	C A	5	14.982	-66.359	100.990	1.00	0.00	O
ATOM	143	O1P	C A	5	13.122	-68.055	100.997	1.00	0.00	O
ATOM	144	O2P	C A	5	14.176	-67.356	98.830	1.00	0.00	O
ATOM	145	P	C A	5	14.340	-67.633	100.278	1.00	0.00	P
ATOM	146	H5	C A	5	16.867	-64.480	97.634	1.00	0.00	H
ATOM	147	H6	C A	5	15.582	-64.744	99.729	1.00	0.00	H
ATOM	148	H1'	C A	5	15.835	-62.327	102.517	1.00	0.00	H
ATOM	149	H3'	C A	5	13.237	-65.272	102.738	1.00	0.00	H
ATOM	150	H4'	C A	5	15.444	-65.554	104.172	1.00	0.00	H
ATOM	151	H41	C A	5	18.598	-63.184	96.531	1.00	0.00	H
ATOM	152	H42	C A	5	19.418	-61.808	97.318	1.00	0.00	H
ATOM	153	H2'1	C A	5	14.146	-64.176	100.805	1.00	0.00	H
ATOM	154	H2'2	C A	5	13.636	-62.786	101.754	1.00	0.00	H
ATOM	155	H5'1	C A	5	16.660	-66.700	102.185	1.00	0.00	H
ATOM	156	H5'2	C A	5	15.138	-67.371	102.810	1.00	0.00	H
ATOM	157	C1'	G A	6	15.097	-58.425	102.797	1.00	0.00	C
ATOM	158	N1	G A	6	17.589	-57.897	98.377	1.00	0.00	N
ATOM	159	C2	G A	6	17.716	-57.188	99.559	1.00	0.00	C
ATOM	160	N2	G A	6	18.625	-56.206	99.562	1.00	0.00	N
ATOM	161	N3	G A	6	16.992	-57.439	100.648	1.00	0.00	N
ATOM	162	C4	G A	6	16.116	-58.460	100.463	1.00	0.00	C
ATOM	163	C5	G A	6	15.917	-59.220	99.322	1.00	0.00	C
ATOM	164	C6	G A	6	16.687	-58.957	98.166	1.00	0.00	C

ATOM	165	O6	G A	6	16.656	-59.516	97.069	1.00	0.00	O
ATOM	166	N7	G A	6	14.920	-60.171	99.543	1.00	0.00	N
ATOM	167	C8	G A	6	14.557	-59.967	100.783	1.00	0.00	C
ATOM	168	N9	G A	6	15.237	-58.942	101.408	1.00	0.00	N
ATOM	169	C2'	G A	6	13.660	-58.406	103.302	1.00	0.00	C
ATOM	170	C3'	G A	6	13.836	-58.751	104.772	1.00	0.00	C
ATOM	171	O3'	G A	6	14.139	-57.564	105.500	1.00	0.00	O
ATOM	172	C4'	G A	6	15.007	-59.733	104.753	1.00	0.00	C
ATOM	173	O4'	G A	6	15.847	-59.268	103.650	1.00	0.00	O
ATOM	174	C5'	G A	6	14.662	-61.184	104.522	1.00	0.00	C
ATOM	175	O5'	G A	6	13.564	-61.285	103.580	1.00	0.00	O
ATOM	176	O1P	G A	6	11.695	-62.242	104.965	1.00	0.00	O
ATOM	177	O2P	G A	6	11.755	-62.645	102.490	1.00	0.00	O
ATOM	178	P	G A	6	12.508	-62.467	103.755	1.00	0.00	P
ATOM	179	H1	G A	6	18.202	-57.627	97.592	1.00	0.00	H
ATOM	180	H8	G A	6	13.783	-60.552	101.280	1.00	0.00	H
ATOM	181	H1'	G A	6	15.538	-57.429	102.837	1.00	0.00	H
ATOM	182	H21	G A	6	19.184	-56.020	98.717	1.00	0.00	H
ATOM	183	H3'	G A	6	12.942	-59.214	105.193	1.00	0.00	H
ATOM	184	H22	G A	6	18.767	-55.639	100.410	1.00	0.00	H
ATOM	185	H4'	G A	6	15.498	-59.657	105.723	1.00	0.00	H
ATOM	186	H2'1	G A	6	13.034	-59.140	102.794	1.00	0.00	H
ATOM	187	H2'2	G A	6	13.190	-57.431	103.176	1.00	0.00	H
ATOM	188	H5'1	G A	6	15.535	-61.701	104.125	1.00	0.00	H
ATOM	189	H5'2	G A	6	14.378	-61.641	105.470	1.00	0.00	H
ATOM	190	C1'	C A	7	15.543	-53.618	101.692	1.00	0.00	C
ATOM	191	N1	C A	7	14.987	-54.574	100.696	1.00	0.00	N
ATOM	192	C2	C A	7	15.542	-54.581	99.418	1.00	0.00	C
ATOM	193	O2	C A	7	16.467	-53.799	99.164	1.00	0.00	O
ATOM	194	N3	C A	7	15.050	-55.444	98.496	1.00	0.00	N
ATOM	195	C4	C A	7	14.047	-56.278	98.800	1.00	0.00	C
ATOM	196	N4	C A	7	13.607	-57.103	97.861	1.00	0.00	N
ATOM	197	C5	C A	7	13.453	-56.290	100.105	1.00	0.00	C
ATOM	198	C6	C A	7	13.968	-55.415	101.019	1.00	0.00	C
ATOM	199	C2'	C A	7	14.493	-53.005	102.608	1.00	0.00	C
ATOM	200	C3'	C A	7	15.248	-52.892	103.924	1.00	0.00	C
ATOM	201	O3'	C A	7	16.002	-51.682	103.928	1.00	0.00	O
ATOM	202	C4'	C A	7	16.141	-54.129	103.910	1.00	0.00	C
ATOM	203	O4'	C A	7	16.467	-54.326	102.497	1.00	0.00	O
ATOM	204	C5'	C A	7	15.530	-55.405	104.446	1.00	0.00	C
ATOM	205	O5'	C A	7	14.128	-55.467	104.083	1.00	0.00	O
ATOM	206	O1P	C A	7	12.943	-55.314	106.298	1.00	0.00	O
ATOM	207	O2P	C A	7	11.854	-56.495	104.370	1.00	0.00	O
ATOM	208	P	C A	7	13.103	-56.153	105.093	1.00	0.00	P
ATOM	209	H5	C A	7	12.632	-56.963	100.356	1.00	0.00	H
ATOM	210	H6	C A	7	13.556	-55.393	102.028	1.00	0.00	H
ATOM	211	H1'	C A	7	16.092	-52.845	101.153	1.00	0.00	H
ATOM	212	H3'	C A	7	14.574	-52.901	104.781	1.00	0.00	H
ATOM	213	H4'	C A	7	17.014	-53.896	104.521	1.00	0.00	H
ATOM	214	H41	C A	7	12.838	-57.756	98.069	1.00	0.00	H
ATOM	215	H42	C A	7	14.032	-57.092	96.923	1.00	0.00	H
ATOM	216	H2'1	C A	7	13.612	-53.637	102.709	1.00	0.00	H
ATOM	217	H2'2	C A	7	14.157	-52.028	102.257	1.00	0.00	H
ATOM	218	H5'1	C A	7	16.059	-56.260	104.024	1.00	0.00	H

ATOM	219	H5'2	C A	7	15.630	-55.420	105.531	1.00	0.00	H
ATOM	220	C1'	A A	8	16.112	-49.791	98.605	1.00	0.00	C
ATOM	221	N1	A A	8	14.045	-52.994	95.168	1.00	0.00	N
ATOM	222	C2	A A	8	15.064	-52.142	95.103	1.00	0.00	C
ATOM	223	N3	A A	8	15.549	-51.344	96.031	1.00	0.00	N
ATOM	224	C4	A A	8	14.845	-51.477	97.171	1.00	0.00	C
ATOM	225	C5	A A	8	13.780	-52.302	97.400	1.00	0.00	C
ATOM	226	C6	A A	8	13.365	-53.106	96.319	1.00	0.00	C
ATOM	227	N6	A A	8	12.333	-53.964	96.396	1.00	0.00	N
ATOM	228	N7	A A	8	13.314	-52.168	98.697	1.00	0.00	N
ATOM	229	C8	A A	8	14.098	-51.270	99.219	1.00	0.00	C
ATOM	230	N9	A A	8	15.054	-50.806	98.351	1.00	0.00	N
ATOM	231	C2'	A A	8	15.657	-48.639	99.492	1.00	0.00	C
ATOM	232	C3'	A A	8	16.916	-48.338	100.290	1.00	0.00	C
ATOM	233	O3'	A A	8	17.751	-47.467	99.533	1.00	0.00	O
ATOM	234	C4'	A A	8	17.541	-49.721	100.474	1.00	0.00	C
ATOM	235	O4'	A A	8	17.189	-50.442	99.249	1.00	0.00	O
ATOM	236	C5'	A A	8	17.061	-50.520	101.662	1.00	0.00	C
ATOM	237	O5'	A A	8	15.645	-50.286	101.872	1.00	0.00	O
ATOM	238	O1P	A A	8	15.576	-49.096	104.090	1.00	0.00	O
ATOM	239	O2P	A A	8	13.608	-50.458	103.332	1.00	0.00	O
ATOM	240	P	A A	8	15.081	-50.282	103.364	1.00	0.00	P
ATOM	241	H2	A A	8	15.572	-52.097	94.141	1.00	0.00	H
ATOM	242	H8	A A	8	14.005	-50.919	100.246	1.00	0.00	H
ATOM	243	H1'	A A	8	16.469	-49.424	97.642	1.00	0.00	H
ATOM	244	H3'	A A	8	16.691	-47.878	101.251	1.00	0.00	H
ATOM	245	H4'	A A	8	18.614	-49.570	100.586	1.00	0.00	H
ATOM	246	H61	A A	8	12.073	-54.531	95.578	1.00	0.00	H
ATOM	247	H62	A A	8	11.804	-54.054	97.276	1.00	0.00	H
ATOM	248	H2'1	A A	8	14.833	-48.922	100.145	1.00	0.00	H
ATOM	249	H2'2	A A	8	15.337	-47.773	98.913	1.00	0.00	H
ATOM	250	H5'1	A A	8	17.234	-51.580	101.472	1.00	0.00	H
ATOM	251	H5'2	A A	8	17.619	-50.218	102.547	1.00	0.00	H
ATOM	252	C1'	C A	9	15.752	-47.565	94.180	1.00	0.00	C
ATOM	253	N1	C A	9	14.566	-48.229	94.787	1.00	0.00	N
ATOM	254	C2	C A	9	13.861	-49.144	94.010	1.00	0.00	C
ATOM	255	O2	C A	9	14.245	-49.366	92.854	1.00	0.00	O
ATOM	256	N3	C A	9	12.779	-49.760	94.544	1.00	0.00	N
ATOM	257	C4	C A	9	12.386	-49.497	95.798	1.00	0.00	C
ATOM	258	N4	C A	9	11.323	-50.130	96.272	1.00	0.00	N
ATOM	259	C5	C A	9	13.090	-48.557	96.621	1.00	0.00	C
ATOM	260	C6	C A	9	14.181	-47.952	96.063	1.00	0.00	C
ATOM	261	C2'	C A	9	15.908	-46.104	94.578	1.00	0.00	C
ATOM	262	C3'	C A	9	17.421	-45.958	94.661	1.00	0.00	C
ATOM	263	O3'	C A	9	17.937	-45.690	93.359	1.00	0.00	O
ATOM	264	C4'	C A	9	17.865	-47.319	95.190	1.00	0.00	C
ATOM	265	O4'	C A	9	16.905	-48.262	94.614	1.00	0.00	O
ATOM	266	C5'	C A	9	17.866	-47.488	96.691	1.00	0.00	C
ATOM	267	O5'	C A	9	16.744	-46.771	97.266	1.00	0.00	O
ATOM	268	O1P	C A	9	17.843	-44.952	98.613	1.00	0.00	O
ATOM	269	O2P	C A	9	15.580	-45.809	99.275	1.00	0.00	O
ATOM	270	P	C A	9	16.917	-46.097	98.701	1.00	0.00	P
ATOM	271	H5	C A	9	12.771	-48.335	97.640	1.00	0.00	H
ATOM	272	H6	C A	9	14.753	-47.235	96.651	1.00	0.00	H

ATOM	273	H1'	C A	9	15.684	-47.670	93.098	1.00	0.00	H
ATOM	274	H3'	C A	9	17.716	-45.156	95.338	1.00	0.00	H
ATOM	275	H4'	C A	9	18.884	-47.479	94.837	1.00	0.00	H
ATOM	276	H41	C A	9	11.002	-49.948	97.234	1.00	0.00	H
ATOM	277	H42	C A	9	10.817	-50.804	95.678	1.00	0.00	H
ATOM	278	H2'1	C A	9	15.436	-45.882	95.534	1.00	0.00	H
ATOM	279	H2'2	C A	9	15.483	-45.425	93.837	1.00	0.00	H
ATOM	280	H5'1	C A	9	17.788	-48.548	96.933	1.00	0.00	H
ATOM	281	H5'2	C A	9	18.799	-47.096	97.095	1.00	0.00	H
ATOM	282	C1'	C A	10	13.794	-46.883	89.683	1.00	0.00	C
ATOM	283	N1	C A	10	12.922	-46.923	90.889	1.00	0.00	N
ATOM	284	C2	C A	10	11.827	-47.785	90.873	1.00	0.00	C
ATOM	285	O2	C A	10	11.624	-48.477	89.866	1.00	0.00	O
ATOM	286	N3	C A	10	11.020	-47.838	91.961	1.00	0.00	N
ATOM	287	C4	C A	10	11.263	-47.077	93.036	1.00	0.00	C
ATOM	288	N4	C A	10	10.444	-47.170	94.073	1.00	0.00	N
ATOM	289	C5	C A	10	12.380	-46.178	93.078	1.00	0.00	C
ATOM	290	C6	C A	10	13.182	-46.146	91.973	1.00	0.00	C
ATOM	291	C2'	C A	10	14.308	-45.491	89.345	1.00	0.00	C
ATOM	292	C3'	C A	10	15.705	-45.788	88.819	1.00	0.00	C
ATOM	293	O3'	C A	10	15.622	-46.127	87.437	1.00	0.00	O
ATOM	294	C4'	C A	10	16.146	-46.970	89.679	1.00	0.00	C
ATOM	295	O4'	C A	10	14.913	-47.714	89.933	1.00	0.00	O
ATOM	296	C5'	C A	10	16.788	-46.634	91.004	1.00	0.00	C
ATOM	297	O5'	C A	10	16.147	-45.466	91.578	1.00	0.00	O
ATOM	298	O1P	C A	10	17.967	-43.728	91.548	1.00	0.00	O
ATOM	299	O2P	C A	10	16.137	-43.600	93.260	1.00	0.00	O
ATOM	300	P	C A	10	17.029	-44.448	92.431	1.00	0.00	P
ATOM	301	H5	C A	10	12.579	-45.552	93.949	1.00	0.00	H
ATOM	302	H6	C A	10	14.048	-45.484	91.961	1.00	0.00	H
ATOM	303	H1'	C A	10	13.240	-47.309	88.847	1.00	0.00	H
ATOM	304	H3'	C A	10	16.376	-44.938	88.942	1.00	0.00	H
ATOM	305	H4'	C A	10	16.871	-47.534	89.092	1.00	0.00	H
ATOM	306	H41	C A	10	10.610	-46.597	94.914	1.00	0.00	H
ATOM	307	H42	C A	10	9.641	-47.814	94.039	1.00	0.00	H
ATOM	308	H2'1	C A	10	14.344	-44.839	90.216	1.00	0.00	H
ATOM	309	H2'2	C A	10	13.696	-44.996	88.589	1.00	0.00	H
ATOM	310	H5'1	C A	10	16.681	-47.483	91.681	1.00	0.00	H
ATOM	311	H5'2	C A	10	17.847	-46.432	90.847	1.00	0.00	H
ATOM	312	C1'	T A	11	10.177	-47.140	86.314	1.00	0.00	C
ATOM	313	N1	T A	11	9.914	-46.535	87.646	1.00	0.00	N
ATOM	314	C2	T A	11	8.819	-47.002	88.345	1.00	0.00	C
ATOM	315	O2	T A	11	8.082	-47.872	87.913	1.00	0.00	O
ATOM	316	N3	T A	11	8.611	-46.414	89.579	1.00	0.00	N
ATOM	317	C4	T A	11	9.379	-45.423	90.156	1.00	0.00	C
ATOM	318	O4	T A	11	9.092	-44.969	91.270	1.00	0.00	O
ATOM	319	C5	T A	11	10.500	-45.000	89.351	1.00	0.00	C
ATOM	320	C6	T A	11	10.733	-45.553	88.144	1.00	0.00	C
ATOM	321	C7	T A	11	11.365	-43.926	89.941	1.00	0.00	C
ATOM	322	C2'	T A	11	10.682	-46.146	85.276	1.00	0.00	C
ATOM	323	C3'	T A	11	11.659	-46.990	84.474	1.00	0.00	C
ATOM	324	O3'	T A	11	10.943	-47.715	83.476	1.00	0.00	O
ATOM	325	C4'	T A	11	12.262	-47.909	85.534	1.00	0.00	C
ATOM	326	O4'	T A	11	11.168	-48.136	86.479	1.00	0.00	O

ATOM	327	C5'	T A	11	13.453	-47.371	86.292	1.00	0.00	C
ATOM	328	O5'	T A	11	13.288	-45.948	86.516	1.00	0.00	O
ATOM	329	O1P	T A	11	15.135	-44.925	85.147	1.00	0.00	O
ATOM	330	O2P	T A	11	14.260	-43.725	87.169	1.00	0.00	O
ATOM	331	P	T A	11	14.581	-45.016	86.512	1.00	0.00	P
ATOM	332	H3	T A	11	7.803	-46.747	90.122	1.00	0.00	H
ATOM	333	H6	T A	11	11.587	-45.216	87.554	1.00	0.00	H
ATOM	334	H1'	T A	11	9.264	-47.629	85.973	1.00	0.00	H
ATOM	335	H3'	T A	11	12.427	-46.383	83.997	1.00	0.00	H
ATOM	336	H4'	T A	11	12.577	-48.820	85.022	1.00	0.00	H
ATOM	337	H71	T A	11	11.286	-43.022	89.337	1.00	0.00	H
ATOM	338	H72	T A	11	11.036	-43.713	90.959	1.00	0.00	H
ATOM	339	H73	T A	11	12.402	-44.261	89.959	1.00	0.00	H
ATOM	340	H2'1	T A	11	11.178	-45.290	85.731	1.00	0.00	H
ATOM	341	H2'2	T A	11	9.878	-45.761	84.646	1.00	0.00	H
ATOM	342	H5'1	T A	11	13.532	-47.887	87.248	1.00	0.00	H
ATOM	343	H5'2	T A	11	14.357	-47.550	85.711	1.00	0.00	H
ATOM	344	C1'	A A	12	5.427	-47.385	84.896	1.00	0.00	C
ATOM	345	N1	A A	12	4.543	-45.105	89.408	1.00	0.00	N
ATOM	346	C2	A A	12	3.933	-46.097	88.768	1.00	0.00	C
ATOM	347	N3	A A	12	4.216	-46.641	87.602	1.00	0.00	N
ATOM	348	C4	A A	12	5.286	-46.037	87.056	1.00	0.00	C
ATOM	349	C5	A A	12	6.020	-45.011	87.578	1.00	0.00	C
ATOM	350	C6	A A	12	5.609	-44.523	88.837	1.00	0.00	C
ATOM	351	N6	A A	12	6.234	-43.518	89.474	1.00	0.00	N
ATOM	352	N7	A A	12	7.052	-44.651	86.730	1.00	0.00	N
ATOM	353	C8	A A	12	6.920	-45.457	85.718	1.00	0.00	C
ATOM	354	N9	A A	12	5.869	-46.330	85.847	1.00	0.00	N
ATOM	355	C2'	A A	12	5.553	-46.983	83.433	1.00	0.00	C
ATOM	356	C3'	A A	12	5.944	-48.297	82.775	1.00	0.00	C
ATOM	357	O3'	A A	12	4.766	-49.051	82.500	1.00	0.00	O
ATOM	358	C4'	A A	12	6.819	-48.962	83.837	1.00	0.00	C
ATOM	359	O4'	A A	12	6.239	-48.523	85.107	1.00	0.00	O
ATOM	360	C5'	A A	12	8.284	-48.596	83.823	1.00	0.00	C
ATOM	361	O5'	A A	12	8.439	-47.198	83.468	1.00	0.00	O
ATOM	362	O1P	A A	12	9.610	-47.289	81.242	1.00	0.00	O
ATOM	363	O2P	A A	12	9.901	-45.292	82.733	1.00	0.00	O
ATOM	364	P	A A	12	9.713	-46.759	82.616	1.00	0.00	P
ATOM	365	H2	A A	12	3.073	-46.523	89.283	1.00	0.00	H
ATOM	366	H8	A A	12	7.580	-45.442	84.850	1.00	0.00	H
ATOM	367	H1'	A A	12	4.400	-47.655	85.140	1.00	0.00	H
ATOM	368	H3'	A A	12	6.498	-48.143	81.850	1.00	0.00	H
ATOM	369	H4'	A A	12	6.743	-50.037	83.681	1.00	0.00	H
ATOM	370	H61	A A	12	5.896	-43.201	90.393	1.00	0.00	H
ATOM	371	H62	A A	12	7.053	-43.064	89.041	1.00	0.00	H
ATOM	372	H2'1	A A	12	6.315	-46.220	83.276	1.00	0.00	H
ATOM	373	H2'2	A A	12	4.617	-46.599	83.027	1.00	0.00	H
ATOM	374	H5'1	A A	12	8.706	-48.773	84.812	1.00	0.00	H
ATOM	375	H5'2	A A	12	8.802	-49.219	83.095	1.00	0.00	H
ATOM	376	C1'	G A	13	0.560	-46.620	85.508	1.00	0.00	C
ATOM	377	N1	G A	13	2.098	-42.858	88.592	1.00	0.00	N
ATOM	378	C2	G A	13	1.081	-43.781	88.757	1.00	0.00	C
ATOM	379	N2	G A	13	0.379	-43.690	89.894	1.00	0.00	N
ATOM	380	N3	G A	13	0.789	-44.721	87.860	1.00	0.00	N

ATOM	381	C4	G A	13	1.595	-44.662	86.768	1.00	0.00	C
ATOM	382	C5	G A	13	2.629	-43.775	86.515	1.00	0.00	C
ATOM	383	C6	G A	13	2.942	-42.780	87.469	1.00	0.00	C
ATOM	384	O6	G A	13	3.814	-41.911	87.425	1.00	0.00	O
ATOM	385	N7	G A	13	3.208	-44.051	85.276	1.00	0.00	N
ATOM	386	C8	G A	13	2.527	-45.073	84.828	1.00	0.00	C
ATOM	387	N9	G A	13	1.528	-45.502	85.678	1.00	0.00	N
ATOM	388	C2'	G A	13	0.059	-46.786	84.080	1.00	0.00	C
ATOM	389	C3'	G A	13	-0.076	-48.295	83.965	1.00	0.00	C
ATOM	390	O3'	G A	13	-1.341	-48.693	84.487	1.00	0.00	O
ATOM	391	C4'	G A	13	1.086	-48.807	84.815	1.00	0.00	C
ATOM	392	O4'	G A	13	1.213	-47.817	85.884	1.00	0.00	O
ATOM	393	C5'	G A	13	2.419	-48.940	84.117	1.00	0.00	C
ATOM	394	O5'	G A	13	2.584	-47.861	83.164	1.00	0.00	O
ATOM	395	O1P	G A	13	2.590	-49.043	80.941	1.00	0.00	O
ATOM	396	O2P	G A	13	3.798	-46.861	81.205	1.00	0.00	O
ATOM	397	P	G A	13	3.378	-48.148	81.810	1.00	0.00	P
ATOM	398	H1	G A	13	2.247	-42.175	89.350	1.00	0.00	H
ATOM	399	H8	G A	13	2.728	-45.546	83.866	1.00	0.00	H
ATOM	400	H1'	G A	13	-0.270	-46.460	86.197	1.00	0.00	H
ATOM	401	H21	G A	13	0.614	-42.962	90.585	1.00	0.00	H
ATOM	402	H3'	G A	13	0.012	-48.636	82.932	1.00	0.00	H
ATOM	403	H22	G A	13	-0.392	-44.346	90.076	1.00	0.00	H
ATOM	404	H4'	G A	13	0.801	-49.793	85.180	1.00	0.00	H
ATOM	405	H2'1	G A	13	0.764	-46.394	83.346	1.00	0.00	H
ATOM	406	H2'2	G A	13	-0.896	-46.287	83.915	1.00	0.00	H
ATOM	407	H5'1	G A	13	3.216	-48.902	84.859	1.00	0.00	H
ATOM	408	H5'2	G A	13	2.458	-49.899	83.600	1.00	0.00	H
ATOM	409	C1'	G A	14	-3.379	-44.285	87.394	1.00	0.00	C
ATOM	410	N1	G A	14	-0.137	-40.372	87.843	1.00	0.00	N
ATOM	411	C2	G A	14	-1.091	-40.841	88.728	1.00	0.00	C
ATOM	412	N2	G A	14	-1.197	-40.178	89.887	1.00	0.00	N
ATOM	413	N3	G A	14	-1.876	-41.888	88.478	1.00	0.00	N
ATOM	414	C4	G A	14	-1.637	-42.431	87.257	1.00	0.00	C
ATOM	415	C5	G A	14	-0.711	-42.030	86.309	1.00	0.00	C
ATOM	416	C6	G A	14	0.125	-40.923	86.574	1.00	0.00	C
ATOM	417	O6	G A	14	0.997	-40.420	85.865	1.00	0.00	O
ATOM	418	N7	G A	14	-0.785	-42.856	85.183	1.00	0.00	N
ATOM	419	C8	G A	14	-1.727	-43.713	85.481	1.00	0.00	C
ATOM	420	N9	G A	14	-2.293	-43.519	86.723	1.00	0.00	N
ATOM	421	C2'	G A	14	-4.478	-44.748	86.447	1.00	0.00	C
ATOM	422	C3'	G A	14	-4.856	-46.098	87.035	1.00	0.00	C
ATOM	423	O3'	G A	14	-5.800	-45.904	88.085	1.00	0.00	O
ATOM	424	C4'	G A	14	-3.520	-46.630	87.551	1.00	0.00	C
ATOM	425	O4'	G A	14	-2.798	-45.433	87.982	1.00	0.00	O
ATOM	426	C5'	G A	14	-2.665	-47.377	86.555	1.00	0.00	C
ATOM	427	O5'	G A	14	-2.794	-46.770	85.245	1.00	0.00	O
ATOM	428	O1P	G A	14	-3.934	-48.554	83.885	1.00	0.00	O
ATOM	429	O2P	G A	14	-2.448	-46.875	82.758	1.00	0.00	O
ATOM	430	P	G A	14	-2.729	-47.705	83.955	1.00	0.00	P
ATOM	431	H1	G A	14	0.425	-39.558	88.136	1.00	0.00	H
ATOM	432	H8	G A	14	-2.039	-44.510	84.805	1.00	0.00	H
ATOM	433	H1'	G A	14	-3.788	-43.668	88.194	1.00	0.00	H
ATOM	434	H21	G A	14	-0.584	-39.371	90.075	1.00	0.00	H

ATOM	435	H3'	G	A	14	-5.282	-46.765	86.286	1.00	0.00	H
ATOM	436	H22	G	A	14	-1.889	-40.475	90.588	1.00	0.00	H
ATOM	437	H4'	G	A	14	-3.745	-47.309	88.373	1.00	0.00	H
ATOM	438	H2'1	G	A	14	-4.125	-44.847	85.421	1.00	0.00	H
ATOM	439	H2'2	G	A	14	-5.330	-44.067	86.437	1.00	0.00	H
ATOM	440	H5'1	G	A	14	-1.625	-47.341	86.877	1.00	0.00	H
ATOM	441	H5'2	G	A	14	-2.991	-48.417	86.513	1.00	0.00	H
ATOM	442	C1'	A	A	15	-5.733	-40.410	89.379	1.00	0.00	C
ATOM	443	N1	A	A	15	-2.102	-37.699	86.969	1.00	0.00	N
ATOM	444	C2	A	A	15	-2.639	-37.603	88.183	1.00	0.00	C
ATOM	445	N3	A	A	15	-3.574	-38.340	88.745	1.00	0.00	N
ATOM	446	C4	A	A	15	-3.987	-39.297	87.893	1.00	0.00	C
ATOM	447	C5	A	A	15	-3.542	-39.528	86.622	1.00	0.00	C
ATOM	448	C6	A	A	15	-2.534	-38.665	86.143	1.00	0.00	C
ATOM	449	N6	A	A	15	-2.000	-38.771	84.915	1.00	0.00	N
ATOM	450	N7	A	A	15	-4.199	-40.602	86.050	1.00	0.00	N
ATOM	451	C8	A	A	15	-5.024	-40.992	86.976	1.00	0.00	C
ATOM	452	N9	A	A	15	-4.950	-40.248	88.126	1.00	0.00	N
ATOM	453	C2'	A	A	15	-7.185	-40.810	89.150	1.00	0.00	C
ATOM	454	C3'	A	A	15	-7.451	-41.730	90.331	1.00	0.00	C
ATOM	455	O3'	A	A	15	-7.814	-40.944	91.462	1.00	0.00	O
ATOM	456	C4'	A	A	15	-6.109	-42.434	90.523	1.00	0.00	C
ATOM	457	O4'	A	A	15	-5.116	-41.426	90.146	1.00	0.00	O
ATOM	458	C5'	A	A	15	-5.877	-43.674	89.694	1.00	0.00	C
ATOM	459	O5'	A	A	15	-6.473	-43.508	88.383	1.00	0.00	O
ATOM	460	O1P	A	A	15	-8.319	-45.219	88.360	1.00	0.00	O
ATOM	461	O2P	A	A	15	-7.250	-44.497	86.207	1.00	0.00	O
ATOM	462	P	A	A	15	-7.097	-44.782	87.655	1.00	0.00	P
ATOM	463	H2	A	A	15	-2.247	-36.796	88.802	1.00	0.00	H
ATOM	464	H8	A	A	15	-5.709	-41.831	86.853	1.00	0.00	H
ATOM	465	H1'	A	A	15	-5.669	-39.479	89.943	1.00	0.00	H
ATOM	466	H3'	A	A	15	-8.244	-42.448	90.119	1.00	0.00	H
ATOM	467	H4'	A	A	15	-6.049	-42.718	91.573	1.00	0.00	H
ATOM	468	H61	A	A	15	-1.263	-38.116	84.616	1.00	0.00	H
ATOM	469	H62	A	A	15	-2.327	-39.508	84.273	1.00	0.00	H
ATOM	470	H2'1	A	A	15	-7.324	-41.329	88.202	1.00	0.00	H
ATOM	471	H2'2	A	A	15	-7.856	-39.951	89.156	1.00	0.00	H
ATOM	472	H5'1	A	A	15	-4.804	-43.841	89.593	1.00	0.00	H
ATOM	473	H5'2	A	A	15	-6.326	-44.529	90.196	1.00	0.00	H
ATOM	474	C1'	C	A	16	-6.376	-35.556	90.212	1.00	0.00	C
ATOM	475	N1	C	A	16	-6.231	-36.069	88.822	1.00	0.00	N
ATOM	476	C2	C	A	16	-5.286	-35.462	87.998	1.00	0.00	C
ATOM	477	O2	C	A	16	-4.613	-34.527	88.450	1.00	0.00	O
ATOM	478	N3	C	A	16	-5.138	-35.914	86.728	1.00	0.00	N
ATOM	479	C4	C	A	16	-5.883	-36.927	86.268	1.00	0.00	C
ATOM	480	N4	C	A	16	-5.693	-37.331	85.020	1.00	0.00	N
ATOM	481	C5	C	A	16	-6.865	-37.569	87.091	1.00	0.00	C
ATOM	482	C6	C	A	16	-6.995	-37.100	88.368	1.00	0.00	C
ATOM	483	C2'	C	A	16	-7.814	-35.536	90.712	1.00	0.00	C
ATOM	484	C3'	C	A	16	-7.643	-35.887	92.182	1.00	0.00	C
ATOM	485	O3'	C	A	16	-7.342	-34.702	92.914	1.00	0.00	O
ATOM	486	C4'	C	A	16	-6.475	-36.869	92.164	1.00	0.00	C
ATOM	487	O4'	C	A	16	-5.629	-36.405	91.064	1.00	0.00	O
ATOM	488	C5'	C	A	16	-6.821	-38.321	91.926	1.00	0.00	C

ATOM	489	O5'	C	A	16	-7.916	-38.415	90.981	1.00	0.00	O
ATOM	490	O1P	C	A	16	-9.793	-39.375	92.357	1.00	0.00	O
ATOM	491	O2P	C	A	16	-9.724	-39.769	89.881	1.00	0.00	O
ATOM	492	P	C	A	16	-8.975	-39.596	91.149	1.00	0.00	P
ATOM	493	H5	C	A	16	-7.479	-38.390	86.718	1.00	0.00	H
ATOM	494	H6	C	A	16	-7.723	-37.561	89.036	1.00	0.00	H
ATOM	495	H1'	C	A	16	-5.933	-34.561	90.256	1.00	0.00	H
ATOM	496	H3'	C	A	16	-8.541	-36.349	92.596	1.00	0.00	H
ATOM	497	H4'	C	A	16	-5.988	-36.799	93.136	1.00	0.00	H
ATOM	498	H41	C	A	16	-6.252	-38.110	84.641	1.00	0.00	H
ATOM	499	H42	C	A	16	-4.990	-36.867	84.428	1.00	0.00	H
ATOM	500	H2'1	C	A	16	-8.440	-36.267	90.200	1.00	0.00	H
ATOM	501	H2'2	C	A	16	-8.282	-34.559	90.587	1.00	0.00	H
ATOM	502	H5'1	C	A	16	-5.946	-38.837	91.531	1.00	0.00	H
ATOM	503	H5'2	C	A	16	-7.111	-38.779	92.872	1.00	0.00	H
ATOM	504	C1'	G	A	17	-5.930	-30.751	89.105	1.00	0.00	C
ATOM	505	N1	G	A	17	-5.607	-32.465	84.311	1.00	0.00	N
ATOM	506	C2	G	A	17	-4.874	-31.483	84.955	1.00	0.00	C
ATOM	507	N2	G	A	17	-3.932	-30.876	84.223	1.00	0.00	N
ATOM	508	N3	G	A	17	-5.066	-31.135	86.226	1.00	0.00	N
ATOM	509	C4	G	A	17	-6.065	-31.848	86.811	1.00	0.00	C
ATOM	510	C5	G	A	17	-6.851	-32.840	86.249	1.00	0.00	C
ATOM	511	C6	G	A	17	-6.645	-33.213	84.900	1.00	0.00	C
ATOM	512	O6	G	A	17	-7.234	-34.061	84.229	1.00	0.00	O
ATOM	513	N7	G	A	17	-7.766	-33.321	87.186	1.00	0.00	N
ATOM	514	C8	G	A	17	-7.511	-32.624	88.264	1.00	0.00	C
ATOM	515	N9	G	A	17	-6.491	-31.707	88.114	1.00	0.00	N
ATOM	516	C2'	G	A	17	-6.976	-30.137	90.026	1.00	0.00	C
ATOM	517	C3'	G	A	17	-6.218	-30.022	91.338	1.00	0.00	C
ATOM	518	O3'	G	A	17	-5.464	-28.811	91.338	1.00	0.00	O
ATOM	519	C4'	G	A	17	-5.322	-31.260	91.322	1.00	0.00	C
ATOM	520	O4'	G	A	17	-5.003	-31.455	89.909	1.00	0.00	O
ATOM	521	C5'	G	A	17	-5.929	-32.533	91.863	1.00	0.00	C
ATOM	522	O5'	G	A	17	-7.331	-32.598	91.505	1.00	0.00	O
ATOM	523	O1P	G	A	17	-8.506	-32.443	93.726	1.00	0.00	O
ATOM	524	O2P	G	A	17	-9.604	-33.628	91.805	1.00	0.00	O
ATOM	525	P	G	A	17	-8.352	-33.283	92.522	1.00	0.00	P
ATOM	526	H1	G	A	17	-5.374	-32.663	83.327	1.00	0.00	H
ATOM	527	H8	G	A	17	-8.057	-32.756	89.198	1.00	0.00	H
ATOM	528	H1'	G	A	17	-5.385	-29.977	88.564	1.00	0.00	H
ATOM	529	H21	G	A	17	-3.786	-31.152	83.241	1.00	0.00	H
ATOM	530	H3'	G	A	17	-6.887	-30.031	92.199	1.00	0.00	H
ATOM	531	H22	G	A	17	-3.353	-30.134	84.643	1.00	0.00	H
ATOM	532	H4'	G	A	17	-4.447	-31.024	91.928	1.00	0.00	H
ATOM	533	H2'1	G	A	17	-7.857	-30.771	90.131	1.00	0.00	H
ATOM	534	H2'2	G	A	17	-7.315	-29.162	89.675	1.00	0.00	H
ATOM	535	H5'1	G	A	17	-5.401	-33.388	91.441	1.00	0.00	H
ATOM	536	H5'2	G	A	17	-5.823	-32.547	92.947	1.00	0.00	H
ATOM	537	C1'	G	A	18	-5.366	-26.936	85.998	1.00	0.00	C
ATOM	538	N1	G	A	18	-7.438	-30.129	82.602	1.00	0.00	N
ATOM	539	C2	G	A	18	-6.369	-29.260	82.467	1.00	0.00	C
ATOM	540	N2	G	A	18	-5.774	-29.237	81.266	1.00	0.00	N
ATOM	541	N3	G	A	18	-5.929	-28.478	83.450	1.00	0.00	N
ATOM	542	C4	G	A	18	-6.652	-28.625	84.591	1.00	0.00	C

ATOM	543	C5	G A	18	-7.734	-29.462	84.816	1.00	0.00	C
ATOM	544	C6	G A	18	-8.199	-30.296	83.773	1.00	0.00	C
ATOM	545	O6	G A	18	-9.134	-31.097	83.780	1.00	0.00	O
ATOM	546	N7	G A	18	-8.195	-29.312	86.125	1.00	0.00	N
ATOM	547	C8	G A	18	-7.397	-28.415	86.641	1.00	0.00	C
ATOM	548	N9	G A	18	-6.434	-27.948	85.771	1.00	0.00	N
ATOM	549	C2'	G A	18	-5.802	-25.772	86.877	1.00	0.00	C
ATOM	550	C3'	G A	18	-4.533	-25.470	87.657	1.00	0.00	C
ATOM	551	O3'	G A	18	-3.700	-24.612	86.881	1.00	0.00	O
ATOM	552	C4'	G A	18	-3.915	-26.853	87.850	1.00	0.00	C
ATOM	553	O4'	G A	18	-4.285	-27.585	86.639	1.00	0.00	O
ATOM	554	C5'	G A	18	-4.388	-27.637	89.052	1.00	0.00	C
ATOM	555	O5'	G A	18	-5.798	-27.390	89.275	1.00	0.00	O
ATOM	556	O1P	G A	18	-5.835	-26.175	91.480	1.00	0.00	O
ATOM	557	O2P	G A	18	-7.820	-27.531	90.762	1.00	0.00	O
ATOM	558	P	G A	18	-6.346	-27.366	90.774	1.00	0.00	P
ATOM	559	H1	G A	18	-7.695	-30.697	81.780	1.00	0.00	H
ATOM	560	H8	G A	18	-7.484	-28.063	87.670	1.00	0.00	H
ATOM	561	H1'	G A	18	-5.018	-26.583	85.027	1.00	0.00	H
ATOM	562	H21	G A	18	-6.119	-29.849	80.511	1.00	0.00	H
ATOM	563	H3'	G A	18	-4.746	-24.996	88.616	1.00	0.00	H
ATOM	564	H22	G A	18	-4.976	-28.611	81.101	1.00	0.00	H
ATOM	565	H4'	G A	18	-2.840	-26.709	87.949	1.00	0.00	H
ATOM	566	H2'1	G A	18	-6.622	-26.041	87.543	1.00	0.00	H
ATOM	567	H2'2	G A	18	-6.125	-24.909	86.293	1.00	0.00	H
ATOM	568	H5'1	G A	18	-4.223	-28.699	88.874	1.00	0.00	H
ATOM	569	H5'2	G A	18	-3.816	-27.329	89.927	1.00	0.00	H
ATOM	570	C1'	T A	19	-5.707	-24.681	81.605	1.00	0.00	C
ATOM	571	N1	T A	19	-6.896	-25.354	82.192	1.00	0.00	N
ATOM	572	C2	T A	19	-7.571	-26.253	81.391	1.00	0.00	C
ATOM	573	O2	T A	19	-7.230	-26.503	80.247	1.00	0.00	O
ATOM	574	N3	T A	19	-8.668	-26.856	81.977	1.00	0.00	N
ATOM	575	C4	T A	19	-9.139	-26.643	83.255	1.00	0.00	C
ATOM	576	O4	T A	19	-10.138	-27.242	83.670	1.00	0.00	O
ATOM	577	C5	T A	19	-8.369	-25.688	84.017	1.00	0.00	C
ATOM	578	C6	T A	19	-7.292	-25.081	83.478	1.00	0.00	C
ATOM	579	C7	T A	19	-8.843	-25.427	85.415	1.00	0.00	C
ATOM	580	C2'	T A	19	-5.560	-23.222	82.020	1.00	0.00	C
ATOM	581	C3'	T A	19	-4.051	-23.071	82.120	1.00	0.00	C
ATOM	582	O3'	T A	19	-3.521	-22.788	80.827	1.00	0.00	O
ATOM	583	C4'	T A	19	-3.607	-24.436	82.641	1.00	0.00	C
ATOM	584	O4'	T A	19	-4.556	-25.375	82.044	1.00	0.00	O
ATOM	585	C5'	T A	19	-3.621	-24.621	84.140	1.00	0.00	C
ATOM	586	O5'	T A	19	-4.752	-23.915	84.710	1.00	0.00	O
ATOM	587	O1P	T A	19	-3.674	-22.104	86.087	1.00	0.00	O
ATOM	588	O2P	T A	19	-5.941	-22.978	86.715	1.00	0.00	O
ATOM	589	P	T A	19	-4.597	-23.255	86.154	1.00	0.00	P
ATOM	590	H3	T A	19	-9.186	-27.534	81.400	1.00	0.00	H
ATOM	591	H6	T A	19	-6.727	-24.363	84.073	1.00	0.00	H
ATOM	592	H1'	T A	19	-5.763	-24.774	80.520	1.00	0.00	H
ATOM	593	H3'	T A	19	-3.766	-22.275	82.809	1.00	0.00	H
ATOM	594	H4'	T A	19	-2.583	-24.588	82.297	1.00	0.00	H
ATOM	595	H71	T A	19	-9.189	-24.396	85.495	1.00	0.00	H
ATOM	596	H72	T A	19	-9.664	-26.104	85.652	1.00	0.00	H

ATOM	597	H73	T	A	19	-8.024	-25.590	86.116	1.00	0.00	H
ATOM	598	H2'1	T	A	19	-6.045	-23.013	82.973	1.00	0.00	H
ATOM	599	H2'2	T	A	19	-5.980	-22.537	81.282	1.00	0.00	H
ATOM	600	H5'1	T	A	19	-3.697	-25.683	84.370	1.00	0.00	H
ATOM	601	H5'2	T	A	19	-2.694	-24.229	84.558	1.00	0.00	H
ATOM	602	C01	LNK	A	20	-3.268	-19.582	78.953	0.00	0.00	C
ATOM	603	O1	LNK	A	20	-3.683	-20.345	80.089	1.00	0.00	O
ATOM	604	S	LNK	A	20	-3.570	-15.866	77.558	0.00	0.00	S
ATOM	605	C02	LNK	A	20	-3.762	-18.130	79.104	0.00	0.00	C
ATOM	606	C03	LNK	A	20	-4.165	-17.578	77.723	0.00	0.00	C
ATOM	607	O1P	LNK	A	20	-5.840	-21.576	80.502	1.00	0.00	O
ATOM	608	O2P	LNK	A	20	-4.532	-22.004	78.403	1.00	0.00	O
ATOM	609	P	LNK	A	20	-4.519	-21.683	79.852	1.00	0.00	P
ATOM	610	H01	LNK	A	20	-3.692	-20.017	78.047	0.00	0.00	H
ATOM	611	H02	LNK	A	20	-2.181	-19.590	78.886	0.00	0.00	H
ATOM	612	H03	LNK	A	20	-5.251	-17.596	77.629	0.00	0.00	H
ATOM	613	H04	LNK	A	20	-2.963	-17.517	79.522	0.00	0.00	H
ATOM	614	H05	LNK	A	20	-4.623	-18.107	79.771	0.00	0.00	H
ATOM	615	H06	LNK	A	20	-3.721	-18.194	76.942	0.00	0.00	H
ATOM	616	AU	LNK	A	20	-3.833	-15.586	76.990			
TER											
ATOM	618	C1'	A	B	2	-12.291	-32.027	76.961	1.00	0.00	C
ATOM	619	N1	A	B	2	-10.170	-28.797	80.338	1.00	0.00	N
ATOM	620	C2	A	B	2	-9.854	-29.125	79.090	1.00	0.00	C
ATOM	621	N3	A	B	2	-10.448	-29.967	78.270	1.00	0.00	N
ATOM	622	C4	A	B	2	-11.512	-30.530	78.873	1.00	0.00	C
ATOM	623	C5	A	B	2	-11.966	-30.303	80.141	1.00	0.00	C
ATOM	624	C6	A	B	2	-11.237	-29.373	80.912	1.00	0.00	C
ATOM	625	N6	A	B	2	-11.565	-29.049	82.175	1.00	0.00	N
ATOM	626	N7	A	B	2	-13.091	-31.063	80.413	1.00	0.00	N
ATOM	627	C8	A	B	2	-13.288	-31.731	79.315	1.00	0.00	C
ATOM	628	N9	A	B	2	-12.371	-31.456	78.334	1.00	0.00	N
ATOM	629	C2'	A	B	2	-12.661	-33.502	76.887	1.00	0.00	C
ATOM	630	C3'	A	B	2	-13.364	-33.587	75.542	1.00	0.00	C
ATOM	631	O3'	A	B	2	-12.389	-33.746	74.514	1.00	0.00	O
ATOM	632	C4'	A	B	2	-14.085	-32.242	75.451	1.00	0.00	C
ATOM	633	O4'	A	B	2	-13.196	-31.308	76.145	1.00	0.00	O
ATOM	634	C5'	A	B	2	-15.454	-32.170	76.085	1.00	0.00	C
ATOM	635	O5'	A	B	2	-15.476	-32.970	77.294	1.00	0.00	O
ATOM	636	H2	A	B	2	-8.976	-28.626	78.685	1.00	0.00	H
ATOM	637	H8	A	B	2	-14.105	-32.441	79.187	1.00	0.00	H
ATOM	638	H1'	A	B	2	-11.285	-31.857	76.578	1.00	0.00	H
ATOM	639	H3'	A	B	2	-14.070	-34.415	75.501	1.00	0.00	H
ATOM	640	H4'	A	B	2	-14.197	-32.016	74.391	1.00	0.00	H
ATOM	641	H61	A	B	2	-11.000	-28.362	82.693	1.00	0.00	H
ATOM	642	H62	A	B	2	-12.383	-29.489	82.622	1.00	0.00	H
ATOM	643	H2'1	A	B	2	-13.322	-33.805	77.700	1.00	0.00	H
ATOM	644	H2'2	A	B	2	-11.784	-34.150	76.918	1.00	0.00	H
ATOM	645	H5'1	A	B	2	-15.681	-31.132	76.327	1.00	0.00	H
ATOM	646	H5'2	A	B	2	-16.194	-32.545	75.381	1.00	0.00	H
ATOM	647	C1'	C	B	3	-7.344	-32.440	76.853	1.00	0.00	C
ATOM	648	N1	C	B	3	-8.082	-32.533	78.143	1.00	0.00	N
ATOM	649	C2	C	B	3	-7.656	-31.730	79.198	1.00	0.00	C
ATOM	650	O2	C	B	3	-6.690	-30.976	79.022	1.00	0.00	O

ATOM	651	N3	C B	3	-8.313	-31.800	80.380	1.00	0.00	N
ATOM	652	C4	C B	3	-9.355	-32.626	80.541	1.00	0.00	C
ATOM	653	N4	C B	3	-9.965	-32.652	81.719	1.00	0.00	N
ATOM	654	C5	C B	3	-9.814	-33.469	79.475	1.00	0.00	C
ATOM	655	C6	C B	3	-9.138	-33.378	78.290	1.00	0.00	C
ATOM	656	C2'	C B	3	-7.182	-33.775	76.140	1.00	0.00	C
ATOM	657	C3'	C B	3	-7.297	-33.370	74.678	1.00	0.00	C
ATOM	658	O3'	C B	3	-6.022	-32.932	74.214	1.00	0.00	O
ATOM	659	C4'	C B	3	-8.318	-32.235	74.720	1.00	0.00	C
ATOM	660	O4'	C B	3	-8.074	-31.576	76.003	1.00	0.00	O
ATOM	661	C5'	C B	3	-9.772	-32.638	74.652	1.00	0.00	C
ATOM	662	O5'	C B	3	-9.972	-33.876	75.381	1.00	0.00	O
ATOM	663	O1P	C B	3	-10.615	-35.514	73.581	1.00	0.00	O
ATOM	664	O2P	C B	3	-11.409	-35.861	75.936	1.00	0.00	O
ATOM	665	P	C B	3	-11.063	-34.910	74.851	1.00	0.00	P
ATOM	666	H5	C B	3	-10.656	-34.149	79.603	1.00	0.00	H
ATOM	667	H6	C B	3	-9.454	-33.993	77.448	1.00	0.00	H
ATOM	668	H1'	C B	3	-6.375	-31.980	77.047	1.00	0.00	H
ATOM	669	H3'	C B	3	-7.646	-34.191	74.054	1.00	0.00	H
ATOM	670	H4'	C B	3	-8.112	-31.592	73.864	1.00	0.00	H
ATOM	671	H41	C B	3	-10.771	-33.277	81.868	1.00	0.00	H
ATOM	672	H42	C B	3	-9.633	-32.048	82.484	1.00	0.00	H
ATOM	673	H2'1	C B	3	-7.958	-34.488	76.416	1.00	0.00	H
ATOM	674	H2'2	C B	3	-6.219	-34.241	76.349	1.00	0.00	H
ATOM	675	H5'1	C B	3	-10.384	-31.850	75.092	1.00	0.00	H
ATOM	676	H5'2	C B	3	-10.058	-32.774	73.610	1.00	0.00	H
ATOM	677	C1'	C B	4	-2.803	-32.100	78.798	1.00	0.00	C
ATOM	678	N1	C B	4	-3.882	-32.828	79.519	1.00	0.00	N
ATOM	679	C2	C B	4	-4.119	-32.495	80.851	1.00	0.00	C
ATOM	680	O2	C B	4	-3.428	-31.612	81.378	1.00	0.00	O
ATOM	681	N3	C B	4	-5.097	-33.145	81.525	1.00	0.00	N
ATOM	682	C4	C B	4	-5.828	-34.097	80.929	1.00	0.00	C
ATOM	683	N4	C B	4	-6.775	-34.700	81.633	1.00	0.00	N
ATOM	684	C5	C B	4	-5.605	-34.465	79.561	1.00	0.00	C
ATOM	685	C6	C B	4	-4.617	-33.792	78.900	1.00	0.00	C
ATOM	686	C2'	C B	4	-2.006	-32.975	77.840	1.00	0.00	C
ATOM	687	C3'	C B	4	-1.714	-32.011	76.700	1.00	0.00	C
ATOM	688	O3'	C B	4	-0.553	-31.248	77.018	1.00	0.00	O
ATOM	689	C4'	C B	4	-2.974	-31.151	76.651	1.00	0.00	C
ATOM	690	O4'	C B	4	-3.409	-31.066	78.046	1.00	0.00	O
ATOM	691	C5'	C B	4	-4.120	-31.683	75.820	1.00	0.00	C
ATOM	692	O5'	C B	4	-4.180	-33.127	75.938	1.00	0.00	O
ATOM	693	O1P	C B	4	-3.622	-33.924	73.617	1.00	0.00	O
ATOM	694	O2P	C B	4	-5.051	-35.337	75.119	1.00	0.00	O
ATOM	695	P	C B	4	-4.649	-33.979	74.676	1.00	0.00	P
ATOM	696	H5	C B	4	-6.192	-35.243	79.074	1.00	0.00	H
ATOM	697	H6	C B	4	-4.414	-34.031	77.856	1.00	0.00	H
ATOM	698	H1'	C B	4	-2.150	-31.637	79.539	1.00	0.00	H
ATOM	699	H3'	C B	4	-1.557	-32.532	75.755	1.00	0.00	H
ATOM	700	H4'	C B	4	-2.684	-30.185	76.237	1.00	0.00	H
ATOM	701	H41	C B	4	-7.354	-35.433	81.198	1.00	0.00	H
ATOM	702	H42	C B	4	-6.933	-34.436	82.618	1.00	0.00	H
ATOM	703	H2'1	C B	4	-2.576	-33.836	77.495	1.00	0.00	H
ATOM	704	H2'2	C B	4	-1.086	-33.349	78.290	1.00	0.00	H

ATOM	705	H5'1	C B	4	-5.052	-31.244	76.173	1.00	0.00	H
ATOM	706	H5'2	C B	4	-3.963	-31.404	74.779	1.00	0.00	H
ATOM	707	C1'	G B	5	0.433	-31.995	82.546	1.00	0.00	C
ATOM	708	N1	G B	5	-3.173	-34.654	84.987	1.00	0.00	N
ATOM	709	C2	G B	5	-2.383	-33.609	85.435	1.00	0.00	C
ATOM	710	N2	G B	5	-2.578	-33.223	86.701	1.00	0.00	N
ATOM	711	N3	G B	5	-1.472	-32.999	84.678	1.00	0.00	N
ATOM	712	C4	G B	5	-1.404	-33.524	83.427	1.00	0.00	C
ATOM	713	C5	G B	5	-2.147	-34.565	82.895	1.00	0.00	C
ATOM	714	C6	G B	5	-3.116	-35.211	83.695	1.00	0.00	C
ATOM	715	O6	G B	5	-3.864	-36.144	83.406	1.00	0.00	O
ATOM	716	N7	G B	5	-1.769	-34.799	81.571	1.00	0.00	N
ATOM	717	C8	G B	5	-0.834	-33.912	81.345	1.00	0.00	C
ATOM	718	N9	G B	5	-0.555	-33.101	82.427	1.00	0.00	N
ATOM	719	C2'	G B	5	1.741	-32.260	81.812	1.00	0.00	C
ATOM	720	C3'	G B	5	2.110	-30.874	81.310	1.00	0.00	C
ATOM	721	O3'	G B	5	2.796	-30.169	82.341	1.00	0.00	O
ATOM	722	C4'	G B	5	0.750	-30.255	80.992	1.00	0.00	C
ATOM	723	O4'	G B	5	-0.150	-30.833	81.990	1.00	0.00	O
ATOM	724	C5'	G B	5	0.190	-30.532	79.617	1.00	0.00	C
ATOM	725	O5'	G B	5	0.530	-31.881	79.212	1.00	0.00	O
ATOM	726	O1P	G B	5	2.082	-31.531	77.262	1.00	0.00	O
ATOM	727	O2P	G B	5	0.715	-33.628	77.415	1.00	0.00	O
ATOM	728	P	G B	5	0.817	-32.171	77.670	1.00	0.00	P
ATOM	729	H1	G B	5	-3.853	-35.053	85.651	1.00	0.00	H
ATOM	730	H8	G B	5	-0.319	-33.822	80.390	1.00	0.00	H
ATOM	731	H1'	G B	5	0.610	-31.808	83.604	1.00	0.00	H
ATOM	732	H21	G B	5	-3.287	-33.697	87.280	1.00	0.00	H
ATOM	733	H3'	G B	5	2.739	-30.915	80.420	1.00	0.00	H
ATOM	734	H22	G B	5	-2.020	-32.453	87.097	1.00	0.00	H
ATOM	735	H4'	G B	5	0.861	-29.176	81.095	1.00	0.00	H
ATOM	736	H2'1	G B	5	1.617	-32.962	80.987	1.00	0.00	H
ATOM	737	H2'2	G B	5	2.511	-32.661	82.471	1.00	0.00	H
ATOM	738	H5'1	G B	5	-0.894	-30.417	79.642	1.00	0.00	H
ATOM	739	H5'2	G B	5	0.610	-29.818	78.909	1.00	0.00	H
ATOM	740	C1'	T B	6	1.966	-33.021	87.139	1.00	0.00	C
ATOM	741	N1	T B	6	1.447	-34.105	86.264	1.00	0.00	N
ATOM	742	C2	T B	6	0.462	-34.919	86.786	1.00	0.00	C
ATOM	743	O2	T B	6	0.018	-34.779	87.913	1.00	0.00	O
ATOM	744	N3	T B	6	0.007	-35.913	85.938	1.00	0.00	N
ATOM	745	C4	T B	6	0.442	-36.159	84.653	1.00	0.00	C
ATOM	746	O4	T B	6	-0.039	-37.084	83.988	1.00	0.00	O
ATOM	747	C5	T B	6	1.471	-35.256	84.195	1.00	0.00	C
ATOM	748	C6	T B	6	1.938	-34.276	84.993	1.00	0.00	C
ATOM	749	C7	T B	6	1.972	-35.486	82.800	1.00	0.00	C
ATOM	750	C2'	T B	6	3.464	-32.783	86.998	1.00	0.00	C
ATOM	751	C3'	T B	6	3.564	-31.275	87.171	1.00	0.00	C
ATOM	752	O3'	T B	6	3.615	-30.966	88.562	1.00	0.00	O
ATOM	753	C4'	T B	6	2.281	-30.772	86.514	1.00	0.00	C
ATOM	754	O4'	T B	6	1.301	-31.824	86.785	1.00	0.00	O
ATOM	755	C5'	T B	6	2.337	-30.539	85.022	1.00	0.00	C
ATOM	756	O5'	T B	6	3.174	-31.547	84.399	1.00	0.00	O
ATOM	757	O1P	T B	6	5.131	-30.224	83.533	1.00	0.00	O
ATOM	758	O2P	T B	6	4.468	-32.368	82.409	1.00	0.00	O

ATOM	759	P	T B	6	4.047	-31.141	83.128	1.00	0.00	P
ATOM	760	H3	T B	6	-0.731	-36.532	86.304	1.00	0.00	H
ATOM	761	H6	T B	6	2.716	-33.608	84.625	1.00	0.00	H
ATOM	762	H1'	T B	6	1.704	-33.258	88.170	1.00	0.00	H
ATOM	763	H3'	T B	6	4.445	-30.866	86.679	1.00	0.00	H
ATOM	764	H4'	T B	6	2.032	-29.823	86.990	1.00	0.00	H
ATOM	765	H71	T B	6	3.017	-35.796	82.835	1.00	0.00	H
ATOM	766	H72	T B	6	1.377	-36.266	82.323	1.00	0.00	H
ATOM	767	H73	T B	6	1.886	-34.563	82.225	1.00	0.00	H
ATOM	768	H2'1	T B	6	3.843	-33.097	86.027	1.00	0.00	H
ATOM	769	H2'2	T B	6	4.040	-33.309	87.761	1.00	0.00	H
ATOM	770	H5'1	T B	6	1.329	-30.592	84.612	1.00	0.00	H
ATOM	771	H5'2	T B	6	2.750	-29.549	84.831	1.00	0.00	H
ATOM	772	C1'	C B	7	1.984	-35.702	91.319	1.00	0.00	C
ATOM	773	N1	C B	7	2.175	-36.361	89.996	1.00	0.00	N
ATOM	774	C2	C B	7	1.373	-37.459	89.694	1.00	0.00	C
ATOM	775	O2	C B	7	0.539	-37.839	90.528	1.00	0.00	O
ATOM	776	N3	C B	7	1.530	-38.074	88.496	1.00	0.00	N
ATOM	777	C4	C B	7	2.441	-37.640	87.615	1.00	0.00	C
ATOM	778	N4	C B	7	2.550	-38.276	86.459	1.00	0.00	N
ATOM	779	C5	C B	7	3.284	-36.516	87.901	1.00	0.00	C
ATOM	780	C6	C B	7	3.103	-35.910	89.112	1.00	0.00	C
ATOM	781	C2'	C B	7	3.280	-35.227	91.960	1.00	0.00	C
ATOM	782	C3'	C B	7	2.841	-33.944	92.649	1.00	0.00	C
ATOM	783	O3'	C B	7	2.290	-34.262	93.924	1.00	0.00	O
ATOM	784	C4'	C B	7	1.792	-33.386	91.690	1.00	0.00	C
ATOM	785	O4'	C B	7	1.155	-34.573	91.120	1.00	0.00	O
ATOM	786	C5'	C B	7	2.307	-32.524	90.558	1.00	0.00	C
ATOM	787	O5'	C B	7	3.577	-33.041	90.090	1.00	0.00	O
ATOM	788	O1P	C B	7	5.206	-31.221	90.698	1.00	0.00	O
ATOM	789	O2P	C B	7	5.686	-32.736	88.757	1.00	0.00	O
ATOM	790	P	C B	7	4.679	-32.011	89.568	1.00	0.00	P
ATOM	791	H5	C B	7	4.031	-36.165	87.190	1.00	0.00	H
ATOM	792	H6	C B	7	3.716	-35.047	89.373	1.00	0.00	H
ATOM	793	H1'	C B	7	1.456	-36.396	91.972	1.00	0.00	H
ATOM	794	H3'	C B	7	3.669	-33.245	92.777	1.00	0.00	H
ATOM	795	H4'	C B	7	1.110	-32.778	92.284	1.00	0.00	H
ATOM	796	H41	C B	7	3.240	-37.961	85.761	1.00	0.00	H
ATOM	797	H42	C B	7	1.944	-39.085	86.255	1.00	0.00	H
ATOM	798	H2'1	C B	7	4.060	-35.036	91.224	1.00	0.00	H
ATOM	799	H2'2	C B	7	3.675	-35.947	92.677	1.00	0.00	H
ATOM	800	H5'1	C B	7	1.582	-32.533	89.744	1.00	0.00	H
ATOM	801	H5'2	C B	7	2.434	-31.504	90.916	1.00	0.00	H
ATOM	802	C1'	C B	8	1.346	-39.847	93.954	1.00	0.00	C
ATOM	803	N1	C B	8	2.179	-39.854	92.721	1.00	0.00	N
ATOM	804	C2	C B	8	1.905	-40.820	91.754	1.00	0.00	C
ATOM	805	O2	C B	8	0.988	-41.626	91.959	1.00	0.00	O
ATOM	806	N3	C B	8	2.652	-40.845	90.625	1.00	0.00	N
ATOM	807	C4	C B	8	3.639	-39.960	90.432	1.00	0.00	C
ATOM	808	N4	C B	8	4.335	-40.028	89.306	1.00	0.00	N
ATOM	809	C5	C B	8	3.948	-38.958	91.410	1.00	0.00	C
ATOM	810	C6	C B	8	3.178	-38.949	92.540	1.00	0.00	C
ATOM	811	C2'	C B	8	2.125	-39.514	95.220	1.00	0.00	C
ATOM	812	C3'	C B	8	1.108	-38.713	96.018	1.00	0.00	C

ATOM	813	O3'	C B	8	0.265	-39.611	96.736	1.00	0.00	O
ATOM	814	C4'	C B	8	0.349	-37.952	94.933	1.00	0.00	C
ATOM	815	O4'	C B	8	0.342	-38.864	93.788	1.00	0.00	O
ATOM	816	C5'	C B	8	0.943	-36.633	94.497	1.00	0.00	C
ATOM	817	O5'	C B	8	2.391	-36.724	94.498	1.00	0.00	O
ATOM	818	O1P	C B	8	3.071	-35.126	96.321	1.00	0.00	O
ATOM	819	O2P	C B	8	4.637	-35.601	94.418	1.00	0.00	O
ATOM	820	P	C B	8	3.239	-35.432	94.886	1.00	0.00	P
ATOM	821	H5	C B	8	4.755	-38.240	91.262	1.00	0.00	H
ATOM	822	H6	C B	8	3.370	-38.201	93.309	1.00	0.00	H
ATOM	823	H1'	C B	8	0.856	-40.816	94.041	1.00	0.00	H
ATOM	824	H3'	C B	8	1.586	-38.028	96.717	1.00	0.00	H
ATOM	825	H4'	C B	8	-0.648	-37.751	95.325	1.00	0.00	H
ATOM	826	H41	C B	8	5.098	-39.357	89.132	1.00	0.00	H
ATOM	827	H42	C B	8	4.114	-40.750	88.605	1.00	0.00	H
ATOM	828	H2'1	C B	8	3.018	-38.925	95.012	1.00	0.00	H
ATOM	829	H2'2	C B	8	2.439	-40.408	95.759	1.00	0.00	H
ATOM	830	H5'1	C B	8	0.591	-36.396	93.492	1.00	0.00	H
ATOM	831	H5'2	C B	8	0.623	-35.852	95.183	1.00	0.00	H
ATOM	832	C1'	T B	9	1.091	-44.753	94.547	1.00	0.00	C
ATOM	833	N1	T B	9	2.263	-44.142	93.866	1.00	0.00	N
ATOM	834	C2	T B	9	2.619	-44.660	92.637	1.00	0.00	C
ATOM	835	O2	T B	9	2.017	-45.579	92.111	1.00	0.00	O
ATOM	836	N3	T B	9	3.713	-44.063	92.040	1.00	0.00	N
ATOM	837	C4	T B	9	4.462	-43.024	92.550	1.00	0.00	C
ATOM	838	O4	T B	9	5.427	-42.572	91.922	1.00	0.00	O
ATOM	839	C5	T B	9	4.014	-42.549	93.838	1.00	0.00	C
ATOM	840	C6	T B	9	2.951	-43.107	94.449	1.00	0.00	C
ATOM	841	C7	T B	9	4.800	-41.417	94.429	1.00	0.00	C
ATOM	842	C2'	T B	9	1.248	-44.866	96.059	1.00	0.00	C
ATOM	843	C3'	T B	9	-0.171	-44.610	96.545	1.00	0.00	C
ATOM	844	O3'	T B	9	-0.907	-45.830	96.501	1.00	0.00	O
ATOM	845	C4'	T B	9	-0.693	-43.582	95.544	1.00	0.00	C
ATOM	846	O4'	T B	9	-0.035	-43.938	94.286	1.00	0.00	O
ATOM	847	C5'	T B	9	-0.397	-42.133	95.853	1.00	0.00	C
ATOM	848	O5'	T B	9	0.918	-42.019	96.453	1.00	0.00	O
ATOM	849	O1P	T B	9	0.424	-41.234	98.792	1.00	0.00	O
ATOM	850	O2P	T B	9	2.618	-40.667	97.715	1.00	0.00	O
ATOM	851	P	T B	9	1.162	-40.896	97.558	1.00	0.00	P
ATOM	852	H3	T B	9	3.996	-44.429	91.120	1.00	0.00	H
ATOM	853	H6	T B	9	2.632	-42.732	95.421	1.00	0.00	H
ATOM	854	H1'	T B	9	0.906	-45.731	94.101	1.00	0.00	H
ATOM	855	H3'	T B	9	-0.187	-44.215	97.560	1.00	0.00	H
ATOM	856	H4'	T B	9	-1.777	-43.700	95.506	1.00	0.00	H
ATOM	857	H71	T B	9	5.301	-41.757	95.336	1.00	0.00	H
ATOM	858	H72	T B	9	5.544	-41.074	93.710	1.00	0.00	H
ATOM	859	H73	T B	9	4.126	-40.595	94.675	1.00	0.00	H
ATOM	860	H2'1	T B	9	1.943	-44.128	96.458	1.00	0.00	H
ATOM	861	H2'2	T B	9	1.602	-45.850	96.366	1.00	0.00	H
ATOM	862	H5'1	T B	9	-0.433	-41.555	94.929	1.00	0.00	H
ATOM	863	H5'2	T B	9	-1.150	-41.754	96.541	1.00	0.00	H
ATOM	864	C1'	A B	10	2.140	-49.444	93.311	1.00	0.00	C
ATOM	865	N1	A B	10	6.296	-47.353	91.146	1.00	0.00	N
ATOM	866	C2	A B	10	5.454	-48.302	90.745	1.00	0.00	C

ATOM	867	N3	A B	10	4.397	-48.793	91.354	1.00	0.00	N
ATOM	868	C4	A B	10	4.225	-48.194	92.546	1.00	0.00	C
ATOM	869	C5	A B	10	4.995	-47.210	93.101	1.00	0.00	C
ATOM	870	C6	A B	10	6.098	-46.773	92.340	1.00	0.00	C
ATOM	871	N6	A B	10	6.943	-45.813	92.757	1.00	0.00	N
ATOM	872	N7	A B	10	4.509	-46.836	94.342	1.00	0.00	N
ATOM	873	C8	A B	10	3.470	-47.598	94.512	1.00	0.00	C
ATOM	874	N9	A B	10	3.233	-48.446	93.461	1.00	0.00	N
ATOM	875	C2'	A B	10	1.779	-50.157	94.607	1.00	0.00	C
ATOM	876	C3'	A B	10	0.275	-50.332	94.466	1.00	0.00	C
ATOM	877	O3'	A B	10	0.009	-51.508	93.706	1.00	0.00	O
ATOM	878	C4'	A B	10	-0.146	-49.061	93.728	1.00	0.00	C
ATOM	879	O4'	A B	10	0.989	-48.758	92.856	1.00	0.00	O
ATOM	880	C5'	A B	10	-0.434	-47.852	94.585	1.00	0.00	C
ATOM	881	O5'	A B	10	0.482	-47.817	95.709	1.00	0.00	O
ATOM	882	O1P	A B	10	-1.021	-48.167	97.698	1.00	0.00	O
ATOM	883	O2P	A B	10	1.129	-46.900	97.957	1.00	0.00	O
ATOM	884	P	A B	10	-0.035	-47.243	97.105	1.00	0.00	P
ATOM	885	H2	A B	10	5.674	-48.735	89.770	1.00	0.00	H
ATOM	886	H8	A B	10	2.845	-47.565	95.405	1.00	0.00	H
ATOM	887	H1'	A B	10	2.432	-50.157	92.541	1.00	0.00	H
ATOM	888	H3'	A B	10	-0.221	-50.406	95.434	1.00	0.00	H
ATOM	889	H4'	A B	10	-1.054	-49.303	93.176	1.00	0.00	H
ATOM	890	H61	A B	10	7.732	-45.529	92.160	1.00	0.00	H
ATOM	891	H62	A B	10	6.799	-45.363	93.672	1.00	0.00	H
ATOM	892	H2'1	A B	10	2.028	-49.567	95.488	1.00	0.00	H
ATOM	893	H2'2	A B	10	2.281	-51.121	94.704	1.00	0.00	H
ATOM	894	H5'1	A B	10	-0.314	-46.950	93.985	1.00	0.00	H
ATOM	895	H5'2	A B	10	-1.459	-47.906	94.949	1.00	0.00	H
ATOM	896	C1'	G B	11	4.937	-52.969	91.216	1.00	0.00	C
ATOM	897	N1	G B	11	8.722	-49.629	91.948	1.00	0.00	N
ATOM	898	C2	G B	11	8.446	-50.433	90.856	1.00	0.00	C
ATOM	899	N2	G B	11	9.292	-50.334	89.823	1.00	0.00	N
ATOM	900	N3	G B	11	7.408	-51.266	90.799	1.00	0.00	N
ATOM	901	C4	G B	11	6.663	-51.241	91.935	1.00	0.00	C
ATOM	902	C5	G B	11	6.864	-50.478	93.072	1.00	0.00	C
ATOM	903	C6	G B	11	7.963	-49.589	93.133	1.00	0.00	C
ATOM	904	O6	G B	11	8.304	-48.837	94.046	1.00	0.00	O
ATOM	905	N7	G B	11	5.872	-50.748	94.018	1.00	0.00	N
ATOM	906	C8	G B	11	5.117	-51.645	93.436	1.00	0.00	C
ATOM	907	N9	G B	11	5.535	-51.996	92.168	1.00	0.00	N
ATOM	908	C2'	G B	11	4.376	-54.217	91.884	1.00	0.00	C
ATOM	909	C3'	G B	11	3.157	-54.517	91.027	1.00	0.00	C
ATOM	910	O3'	G B	11	3.561	-55.272	89.887	1.00	0.00	O
ATOM	911	C4'	G B	11	2.657	-53.124	90.649	1.00	0.00	C
ATOM	912	O4'	G B	11	3.875	-52.320	90.544	1.00	0.00	O
ATOM	913	C5'	G B	11	1.721	-52.458	91.629	1.00	0.00	C
ATOM	914	O5'	G B	11	2.113	-52.789	92.985	1.00	0.00	O
ATOM	915	O1P	G B	11	0.185	-54.169	93.829	1.00	0.00	O
ATOM	916	O2P	G B	11	1.591	-52.859	95.441	1.00	0.00	O
ATOM	917	P	G B	11	0.979	-52.954	94.094	1.00	0.00	P
ATOM	918	H1	G B	11	9.547	-49.013	91.888	1.00	0.00	H
ATOM	919	H8	G B	11	4.237	-52.076	93.911	1.00	0.00	H
ATOM	920	H1'	G B	11	5.693	-53.230	90.474	1.00	0.00	H

ATOM	921	H21	G B	11	10.090	-49.685	89.872	1.00	0.00	H
ATOM	922	H3'	G B	11	2.397	-55.072	91.577	1.00	0.00	H
ATOM	923	H22	G B	11	9.144	-50.908	88.980	1.00	0.00	H
ATOM	924	H4'	G B	11	2.130	-53.223	89.700	1.00	0.00	H
ATOM	925	H2'1	G B	11	4.097	-54.039	92.923	1.00	0.00	H
ATOM	926	H2'2	G B	11	5.084	-55.046	91.872	1.00	0.00	H
ATOM	927	H5'1	G B	11	1.763	-51.378	91.487	1.00	0.00	H
ATOM	928	H5'2	G B	11	0.704	-52.805	91.444	1.00	0.00	H
ATOM	929	C1'	G B	12	9.196	-54.878	89.558	1.00	0.00	C
ATOM	930	N1	G B	12	11.286	-51.674	92.934	1.00	0.00	N
ATOM	931	C2	G B	12	11.668	-51.973	91.637	1.00	0.00	C
ATOM	932	N2	G B	12	12.753	-51.333	91.180	1.00	0.00	N
ATOM	933	N3	G B	12	11.020	-52.837	90.860	1.00	0.00	N
ATOM	934	C4	G B	12	9.952	-53.396	91.488	1.00	0.00	C
ATOM	935	C5	G B	12	9.499	-53.163	92.775	1.00	0.00	C
ATOM	936	C6	G B	12	10.184	-52.242	93.599	1.00	0.00	C
ATOM	937	O6	G B	12	9.938	-51.906	94.758	1.00	0.00	O
ATOM	938	N7	G B	12	8.368	-53.940	93.037	1.00	0.00	N
ATOM	939	C8	G B	12	8.174	-54.601	91.925	1.00	0.00	C
ATOM	940	N9	G B	12	9.096	-54.325	90.937	1.00	0.00	N
ATOM	941	C2'	G B	12	8.839	-56.355	89.463	1.00	0.00	C
ATOM	942	C3'	G B	12	8.151	-56.429	88.109	1.00	0.00	C
ATOM	943	O3'	G B	12	9.137	-56.571	87.090	1.00	0.00	O
ATOM	944	C4'	G B	12	7.422	-55.090	88.025	1.00	0.00	C
ATOM	945	O4'	G B	12	8.296	-54.158	88.739	1.00	0.00	O
ATOM	946	C5'	G B	12	6.046	-55.034	88.647	1.00	0.00	C
ATOM	947	O5'	G B	12	6.016	-55.848	89.845	1.00	0.00	O
ATOM	948	O1P	G B	12	4.425	-57.705	89.248	1.00	0.00	O
ATOM	949	O2P	G B	12	4.708	-57.018	91.644	1.00	0.00	O
ATOM	950	P	G B	12	4.669	-56.619	90.216	1.00	0.00	P
ATOM	951	H1	G B	12	11.853	-50.983	93.450	1.00	0.00	H
ATOM	952	H8	G B	12	7.356	-55.309	91.790	1.00	0.00	H
ATOM	953	H1'	G B	12	10.205	-54.696	89.189	1.00	0.00	H
ATOM	954	H21	G B	12	13.247	-50.662	91.787	1.00	0.00	H
ATOM	955	H3'	G B	12	7.450	-57.262	88.051	1.00	0.00	H
ATOM	956	H22	G B	12	13.090	-51.513	90.225	1.00	0.00	H
ATOM	957	H4'	G B	12	7.319	-54.851	86.967	1.00	0.00	H
ATOM	958	H2'1	G B	12	8.172	-56.672	90.265	1.00	0.00	H
ATOM	959	H2'2	G B	12	9.719	-56.997	89.497	1.00	0.00	H
ATOM	960	H5'1	G B	12	5.808	-54.001	88.897	1.00	0.00	H
ATOM	961	H5'2	G B	12	5.314	-55.406	87.929	1.00	0.00	H
ATOM	962	C1'	T B	13	14.124	-55.320	89.419	1.00	0.00	C
ATOM	963	N1	T B	13	13.402	-55.399	90.717	1.00	0.00	N
ATOM	964	C2	T B	13	13.853	-54.588	91.740	1.00	0.00	C
ATOM	965	O2	T B	13	14.801	-53.832	91.612	1.00	0.00	O
ATOM	966	N3	T B	13	13.153	-54.693	92.927	1.00	0.00	N
ATOM	967	C4	T B	13	12.074	-55.515	93.177	1.00	0.00	C
ATOM	968	O4	T B	13	11.529	-55.525	94.286	1.00	0.00	O
ATOM	969	C5	T B	13	11.675	-56.324	92.048	1.00	0.00	C
ATOM	970	C6	T B	13	12.334	-56.247	90.875	1.00	0.00	C
ATOM	971	C7	T B	13	10.503	-57.232	92.272	1.00	0.00	C
ATOM	972	C2'	T B	13	14.269	-56.664	88.714	1.00	0.00	C
ATOM	973	C3'	T B	13	14.141	-56.269	87.251	1.00	0.00	C
ATOM	974	O3'	T B	13	15.413	-55.845	86.768	1.00	0.00	O

ATOM	975	C4'	T B	13	13.128	-55.128	87.294	1.00	0.00	C
ATOM	976	O4'	T B	13	13.392	-54.460	88.569	1.00	0.00	O
ATOM	977	C5'	T B	13	11.670	-55.521	87.247	1.00	0.00	C
ATOM	978	O5'	T B	13	11.470	-56.752	87.988	1.00	0.00	O
ATOM	979	O1P	T B	13	10.798	-58.400	86.210	1.00	0.00	O
ATOM	980	O2P	T B	13	10.027	-58.723	88.576	1.00	0.00	O
ATOM	981	P	T B	13	10.366	-57.783	87.480	1.00	0.00	P
ATOM	982	H3	T B	13	13.469	-54.095	93.705	1.00	0.00	H
ATOM	983	H6	T B	13	12.014	-56.868	90.038	1.00	0.00	H
ATOM	984	H1'	T B	13	15.099	-54.866	89.597	1.00	0.00	H
ATOM	985	H3'	T B	13	13.779	-57.095	86.638	1.00	0.00	H
ATOM	986	H4'	T B	13	13.329	-54.494	86.430	1.00	0.00	H
ATOM	987	H71	T B	13	10.830	-58.270	92.210	1.00	0.00	H
ATOM	988	H72	T B	13	10.081	-57.044	93.261	1.00	0.00	H
ATOM	989	H73	T B	13	9.744	-57.044	91.512	1.00	0.00	H
ATOM	990	H2'1	T B	13	13.492	-57.368	89.005	1.00	0.00	H
ATOM	991	H2'2	T B	13	15.231	-57.135	88.916	1.00	0.00	H
ATOM	992	H5'1	T B	13	11.069	-54.725	87.685	1.00	0.00	H
ATOM	993	H5'2	T B	13	11.372	-55.665	86.209	1.00	0.00	H
ATOM	994	C1'	G B	14	18.670	-54.969	91.384	1.00	0.00	C
ATOM	995	N1	G B	14	16.192	-55.472	95.816	1.00	0.00	N
ATOM	996	C2	G B	14	17.233	-54.628	95.472	1.00	0.00	C
ATOM	997	N2	G B	14	17.674	-53.811	96.435	1.00	0.00	N
ATOM	998	N3	G B	14	17.789	-54.601	94.261	1.00	0.00	N
ATOM	999	C4	G B	14	17.222	-55.500	93.412	1.00	0.00	C
ATOM	1000	C5	G B	14	16.187	-56.382	93.669	1.00	0.00	C
ATOM	1001	C6	G B	14	15.594	-56.409	94.952	1.00	0.00	C
ATOM	1002	O6	G B	14	14.674	-57.115	95.367	1.00	0.00	O
ATOM	1003	N7	G B	14	15.902	-57.137	92.528	1.00	0.00	N
ATOM	1004	C8	G B	14	16.753	-56.696	91.637	1.00	0.00	C
ATOM	1005	N9	G B	14	17.590	-55.701	92.100	1.00	0.00	N
ATOM	1006	C2'	G B	14	19.468	-55.838	90.422	1.00	0.00	C
ATOM	1007	C3'	G B	14	19.761	-54.870	89.288	1.00	0.00	C
ATOM	1008	O3'	G B	14	20.922	-54.109	89.611	1.00	0.00	O
ATOM	1009	C4'	G B	14	18.500	-54.009	89.242	1.00	0.00	C
ATOM	1010	O4'	G B	14	18.065	-53.932	90.636	1.00	0.00	O
ATOM	1011	C5'	G B	14	17.357	-54.536	88.407	1.00	0.00	C
ATOM	1012	O5'	G B	14	17.294	-55.980	88.518	1.00	0.00	O
ATOM	1013	O1P	G B	14	17.854	-56.768	86.193	1.00	0.00	O
ATOM	1014	O2P	G B	14	16.423	-58.186	87.687	1.00	0.00	O
ATOM	1015	P	G B	14	16.826	-56.828	87.250	1.00	0.00	P
ATOM	1016	H1	G B	14	15.828	-55.410	96.779	1.00	0.00	H
ATOM	1017	H8	G B	14	16.797	-57.081	90.618	1.00	0.00	H
ATOM	1018	H1'	G B	14	19.322	-54.509	92.128	1.00	0.00	H
ATOM	1019	H21	G B	14	17.236	-53.836	97.369	1.00	0.00	H
ATOM	1020	H3'	G B	14	19.919	-55.387	88.341	1.00	0.00	H
ATOM	1021	H22	G B	14	18.449	-53.161	96.245	1.00	0.00	H
ATOM	1022	H4'	G B	14	18.792	-53.042	88.833	1.00	0.00	H
ATOM	1023	H2'1	G B	14	18.897	-56.698	90.072	1.00	0.00	H
ATOM	1024	H2'2	G B	14	20.387	-56.216	90.870	1.00	0.00	H
ATOM	1025	H5'1	G B	14	16.424	-54.099	88.760	1.00	0.00	H
ATOM	1026	H5'2	G B	14	17.514	-54.253	87.366	1.00	0.00	H
ATOM	1027	C1'	C B	15	21.907	-54.862	95.132	1.00	0.00	C
ATOM	1028	N1	C B	15	20.915	-55.967	95.019	1.00	0.00	N

ATOM	1029	C2	C B	15	20.136	-56.262	96.135	1.00	0.00	C
ATOM	1030	O2	C B	15	20.297	-55.598	97.167	1.00	0.00	O
ATOM	1031	N3	C B	15	19.227	-57.264	96.053	1.00	0.00	N
ATOM	1032	C4	C B	15	19.076	-57.964	94.922	1.00	0.00	C
ATOM	1033	N4	C B	15	18.170	-58.931	94.896	1.00	0.00	N
ATOM	1034	C5	C B	15	19.868	-57.687	93.758	1.00	0.00	C
ATOM	1035	C6	C B	15	20.772	-56.670	93.863	1.00	0.00	C
ATOM	1036	C2'	C B	15	23.214	-55.133	94.400	1.00	0.00	C
ATOM	1037	C3'	C B	15	23.584	-53.749	93.890	1.00	0.00	C
ATOM	1038	O3'	C B	15	24.273	-53.039	94.918	1.00	0.00	O
ATOM	1039	C4'	C B	15	22.226	-53.129	93.571	1.00	0.00	C
ATOM	1040	O4'	C B	15	21.324	-53.702	94.570	1.00	0.00	O
ATOM	1041	C5'	C B	15	21.664	-53.413	92.196	1.00	0.00	C
ATOM	1042	O5'	C B	15	22.004	-54.764	91.798	1.00	0.00	O
ATOM	1043	O1P	C B	15	23.557	-54.425	89.846	1.00	0.00	O
ATOM	1044	O2P	C B	15	22.186	-56.520	90.008	1.00	0.00	O
ATOM	1045	P	C B	15	22.289	-55.062	90.257	1.00	0.00	P
ATOM	1046	H5	C B	15	19.752	-58.259	92.838	1.00	0.00	H
ATOM	1047	H6	C B	15	21.393	-56.418	93.003	1.00	0.00	H
ATOM	1048	H1'	C B	15	22.084	-54.671	96.191	1.00	0.00	H
ATOM	1049	H3'	C B	15	24.213	-53.797	93.001	1.00	0.00	H
ATOM	1050	H4'	C B	15	22.339	-52.049	93.667	1.00	0.00	H
ATOM	1051	H41	C B	15	18.031	-59.484	94.037	1.00	0.00	H
ATOM	1052	H42	C B	15	17.604	-59.130	95.734	1.00	0.00	H
ATOM	1053	H2'1	C B	15	23.089	-55.838	93.578	1.00	0.00	H
ATOM	1054	H2'2	C B	15	23.983	-55.533	95.061	1.00	0.00	H
ATOM	1055	H5'1	C B	15	20.581	-53.296	92.221	1.00	0.00	H
ATOM	1056	H5'2	C B	15	22.086	-52.703	91.485	1.00	0.00	H
ATOM	1057	C1'	G B	16	23.422	-55.906	99.729	1.00	0.00	C
ATOM	1058	N1	G B	16	20.167	-59.811	99.308	1.00	0.00	N
ATOM	1059	C2	G B	16	20.394	-58.955	100.371	1.00	0.00	C
ATOM	1060	N2	G B	16	19.658	-59.170	101.468	1.00	0.00	N
ATOM	1061	N3	G B	16	21.285	-57.964	100.341	1.00	0.00	N
ATOM	1062	C4	G B	16	21.944	-57.898	99.155	1.00	0.00	C
ATOM	1063	C5	G B	16	21.787	-58.708	98.044	1.00	0.00	C
ATOM	1064	C6	G B	16	20.839	-59.759	98.073	1.00	0.00	C
ATOM	1065	O6	G B	16	20.558	-60.575	97.194	1.00	0.00	O
ATOM	1066	N7	G B	16	22.658	-58.309	97.028	1.00	0.00	N
ATOM	1067	C8	G B	16	23.299	-57.291	97.542	1.00	0.00	C
ATOM	1068	N9	G B	16	22.921	-56.982	98.833	1.00	0.00	N
ATOM	1069	C2'	G B	16	24.919	-55.655	99.609	1.00	0.00	C
ATOM	1070	C3'	G B	16	25.006	-54.150	99.803	1.00	0.00	C
ATOM	1071	O3'	G B	16	25.038	-53.859	101.198	1.00	0.00	O
ATOM	1072	C4'	G B	16	23.726	-53.647	99.138	1.00	0.00	C
ATOM	1073	O4'	G B	16	22.751	-54.709	99.385	1.00	0.00	O
ATOM	1074	C5'	G B	16	23.798	-53.393	97.651	1.00	0.00	C
ATOM	1075	O5'	G B	16	24.649	-54.385	97.024	1.00	0.00	O
ATOM	1076	O1P	G B	16	26.605	-53.036	96.196	1.00	0.00	O
ATOM	1077	O2P	G B	16	25.971	-55.168	95.037	1.00	0.00	O
ATOM	1078	P	G B	16	25.534	-53.954	95.769	1.00	0.00	P
ATOM	1079	H1	G B	16	19.450	-60.541	99.431	1.00	0.00	H
ATOM	1080	H8	G B	16	24.064	-56.737	97.000	1.00	0.00	H
ATOM	1081	H1'	G B	16	23.149	-56.159	100.754	1.00	0.00	H
ATOM	1082	H21	G B	16	18.969	-59.936	101.483	1.00	0.00	H

ATOM	1083	H3'	G B	16	25.890	-53.726	99.326	1.00	0.00	H
ATOM	1084	H22	G B	16	19.782	-58.569	102.295	1.00	0.00	H
ATOM	1085	H4'	G B	16	23.464	-52.707	99.624	1.00	0.00	H
ATOM	1086	H2'1	G B	16	25.311	-55.953	98.637	1.00	0.00	H
ATOM	1087	H2'2	G B	16	25.490	-56.187	100.371	1.00	0.00	H
ATOM	1088	H5'1	G B	16	22.795	-53.448	97.229	1.00	0.00	H
ATOM	1089	H5'2	G B	16	24.205	-52.396	97.478	1.00	0.00	H
ATOM	1090	C1'	G B	17	23.458	-58.570	103.904	1.00	0.00	C
ATOM	1091	N1	G B	17	21.897	-62.339	100.838	1.00	0.00	N
ATOM	1092	C2	G B	17	21.467	-61.989	102.107	1.00	0.00	C
ATOM	1093	N2	G B	17	20.492	-62.744	102.627	1.00	0.00	N
ATOM	1094	N3	G B	17	21.967	-60.967	102.797	1.00	0.00	N
ATOM	1095	C4	G B	17	22.950	-60.318	102.120	1.00	0.00	C
ATOM	1096	C5	G B	17	23.447	-60.596	100.859	1.00	0.00	C
ATOM	1097	C6	G B	17	22.913	-61.678	100.122	1.00	0.00	C
ATOM	1098	O6	G B	17	23.219	-62.079	98.999	1.00	0.00	O
ATOM	1099	N7	G B	17	24.456	-59.691	100.526	1.00	0.00	N
ATOM	1100	C8	G B	17	24.536	-58.908	101.570	1.00	0.00	C
ATOM	1101	N9	G B	17	23.654	-59.226	102.582	1.00	0.00	N
ATOM	1102	C2'	G B	17	24.751	-58.091	104.547	1.00	0.00	C
ATOM	1103	C3'	G B	17	24.307	-56.811	105.238	1.00	0.00	C
ATOM	1104	O3'	G B	17	23.756	-57.133	106.513	1.00	0.00	O
ATOM	1105	C4'	G B	17	23.256	-56.255	104.279	1.00	0.00	C
ATOM	1106	O4'	G B	17	22.625	-57.444	103.707	1.00	0.00	O
ATOM	1107	C5'	G B	17	23.767	-55.390	103.151	1.00	0.00	C
ATOM	1108	O5'	G B	17	25.040	-55.899	102.681	1.00	0.00	O
ATOM	1109	O1P	G B	17	26.660	-54.074	103.295	1.00	0.00	O
ATOM	1110	O2P	G B	17	27.149	-55.582	101.351	1.00	0.00	O
ATOM	1111	P	G B	17	26.138	-54.863	102.164	1.00	0.00	P
ATOM	1112	H1	G B	17	21.439	-63.145	100.386	1.00	0.00	H
ATOM	1113	H8	G B	17	25.238	-58.078	101.637	1.00	0.00	H
ATOM	1114	H1'	G B	17	22.932	-59.267	104.555	1.00	0.00	H
ATOM	1115	H21	G B	17	20.107	-63.532	102.086	1.00	0.00	H
ATOM	1116	H3'	G B	17	25.131	-56.109	105.368	1.00	0.00	H
ATOM	1117	H22	G B	17	20.129	-62.538	103.569	1.00	0.00	H
ATOM	1118	H4'	G B	17	22.570	-55.654	104.874	1.00	0.00	H
ATOM	1119	H2'1	G B	17	25.531	-57.894	103.812	1.00	0.00	H
ATOM	1120	H2'2	G B	17	25.149	-58.810	105.263	1.00	0.00	H
ATOM	1121	H5'1	G B	17	23.043	-55.399	102.336	1.00	0.00	H
ATOM	1122	H5'2	G B	17	23.889	-54.368	103.510	1.00	0.00	H
ATOM	1123	C1'	C B	18	22.819	-62.715	106.540	1.00	0.00	C
ATOM	1124	N1	C B	18	23.653	-62.722	105.306	1.00	0.00	N
ATOM	1125	C2	C B	18	23.377	-63.688	104.340	1.00	0.00	C
ATOM	1126	O2	C B	18	22.460	-64.493	104.544	1.00	0.00	O
ATOM	1127	N3	C B	18	24.125	-63.712	103.211	1.00	0.00	N
ATOM	1128	C4	C B	18	25.112	-62.826	103.019	1.00	0.00	C
ATOM	1129	N4	C B	18	25.809	-62.895	101.894	1.00	0.00	N
ATOM	1130	C5	C B	18	25.417	-61.826	103.996	1.00	0.00	C
ATOM	1131	C6	C B	18	24.651	-61.818	105.124	1.00	0.00	C
ATOM	1132	C2'	C B	18	23.599	-62.382	107.805	1.00	0.00	C
ATOM	1133	C3'	C B	18	22.581	-61.581	108.603	1.00	0.00	C
ATOM	1134	O3'	C B	18	21.738	-62.480	109.321	1.00	0.00	O
ATOM	1135	C4'	C B	18	21.822	-60.820	107.519	1.00	0.00	C
ATOM	1136	O4'	C B	18	21.815	-61.732	106.374	1.00	0.00	O

ATOM	1137	C5'	C	B	18	22.416	-59.501	107.082	1.00	0.00	C
ATOM	1138	O5'	C	B	18	23.864	-59.592	107.085	1.00	0.00	O
ATOM	1139	O1P	C	B	18	24.545	-57.994	108.906	1.00	0.00	O
ATOM	1140	O2P	C	B	18	26.111	-58.469	107.004	1.00	0.00	O
ATOM	1141	P	C	B	18	24.713	-58.300	107.471	1.00	0.00	P
ATOM	1142	H5	C	B	18	26.221	-61.106	103.846	1.00	0.00	H
ATOM	1143	H6	C	B	18	24.844	-61.073	105.894	1.00	0.00	H
ATOM	1144	H1'	C	B	18	22.330	-63.684	106.626	1.00	0.00	H
ATOM	1145	H3'	C	B	18	23.059	-60.896	109.303	1.00	0.00	H
ATOM	1146	H4'	C	B	18	20.825	-60.620	107.910	1.00	0.00	H
ATOM	1147	H41	C	B	18	26.573	-62.225	101.721	1.00	0.00	H
ATOM	1148	H42	C	B	18	25.587	-63.616	101.194	1.00	0.00	H
ATOM	1149	H2'1	C	B	18	24.491	-61.793	107.598	1.00	0.00	H
ATOM	1150	H2'2	C	B	18	23.913	-63.276	108.344	1.00	0.00	H
ATOM	1151	H5'1	C	B	18	22.065	-59.264	106.078	1.00	0.00	H
ATOM	1152	H5'2	C	B	18	22.096	-58.720	107.769	1.00	0.00	H
ATOM	1153	C1'	C	B	19	22.572	-67.627	107.112	1.00	0.00	C
ATOM	1154	N1	C	B	19	23.747	-67.001	106.447	1.00	0.00	N
ATOM	1155	C2	C	B	19	24.135	-67.497	105.204	1.00	0.00	C
ATOM	1156	O2	C	B	19	23.492	-68.430	104.706	1.00	0.00	O
ATOM	1157	N3	C	B	19	25.203	-66.940	104.583	1.00	0.00	N
ATOM	1158	C4	C	B	19	25.878	-65.930	105.149	1.00	0.00	C
ATOM	1159	N4	C	B	19	26.912	-65.422	104.498	1.00	0.00	N
ATOM	1160	C5	C	B	19	25.502	-65.404	106.425	1.00	0.00	C
ATOM	1161	C6	C	B	19	24.425	-65.978	107.031	1.00	0.00	C
ATOM	1162	C2'	C	B	19	22.718	-67.755	108.621	1.00	0.00	C
ATOM	1163	C3'	C	B	19	21.293	-67.514	109.098	1.00	0.00	C
ATOM	1164	O3'	C	B	19	20.564	-68.737	109.034	1.00	0.00	O
ATOM	1165	C4'	C	B	19	20.773	-66.478	108.104	1.00	0.00	C
ATOM	1166	O4'	C	B	19	21.445	-66.814	106.848	1.00	0.00	O
ATOM	1167	C5'	C	B	19	21.058	-65.030	108.431	1.00	0.00	C
ATOM	1168	O5'	C	B	19	22.367	-64.915	109.045	1.00	0.00	O
ATOM	1169	O1P	C	B	19	21.846	-64.158	111.388	1.00	0.00	O
ATOM	1170	O2P	C	B	19	24.047	-63.567	110.338	1.00	0.00	O
ATOM	1171	P	C	B	19	22.593	-63.804	110.165	1.00	0.00	P
ATOM	1172	H5	C	B	19	26.050	-64.585	106.891	1.00	0.00	H
ATOM	1173	H6	C	B	19	24.100	-65.609	108.004	1.00	0.00	H
ATOM	1174	H1'	C	B	19	22.399	-68.600	106.651	1.00	0.00	H
ATOM	1175	H3'	C	B	19	21.264	-67.129	110.118	1.00	0.00	H
ATOM	1176	H4'	C	B	19	19.691	-66.601	108.055	1.00	0.00	H
ATOM	1177	H41	C	B	19	27.450	-64.645	104.908	1.00	0.00	H
ATOM	1178	H42	C	B	19	27.181	-65.805	103.578	1.00	0.00	H
ATOM	1179	H2'1	C	B	19	23.404	-67.019	109.036	1.00	0.00	H
ATOM	1180	H2'2	C	B	19	23.074	-68.741	108.920	1.00	0.00	H
ATOM	1181	H5'1	C	B	19	21.027	-64.444	107.514	1.00	0.00	H
ATOM	1182	H5'2	C	B	19	20.296	-64.663	109.117	1.00	0.00	H
ATOM	1183	C1'	T	B	20	23.613	-72.311	105.897	1.00	0.00	C
ATOM	1184	N1	T	B	20	24.708	-71.316	106.047	1.00	0.00	N
ATOM	1185	C2	T	B	20	25.612	-71.214	105.009	1.00	0.00	C
ATOM	1186	O2	T	B	20	25.542	-71.897	104.002	1.00	0.00	O
ATOM	1187	N3	T	B	20	26.612	-70.277	105.190	1.00	0.00	N
ATOM	1188	C4	T	B	20	26.783	-69.459	106.285	1.00	0.00	C
ATOM	1189	O4	T	B	20	27.723	-68.655	106.334	1.00	0.00	O
ATOM	1190	C5	T	B	20	25.790	-69.637	107.316	1.00	0.00	C

ATOM	1191	C6	T B	20	24.801	-70.540	107.176	1.00	0.00	C
ATOM	1192	C7	T B	20	25.937	-68.765	108.527	1.00	0.00	C
ATOM	1193	C2'	T B	20	23.254	-73.027	107.194	1.00	0.00	C
ATOM	1194	C3'	T B	20	21.749	-73.197	107.055	1.00	0.00	C
ATOM	1195	O3'	T B	20	21.478	-74.374	106.295	1.00	0.00	O
ATOM	1196	C4'	T B	20	21.329	-71.926	106.322	1.00	0.00	C
ATOM	1197	O4'	T B	20	22.463	-71.624	105.447	1.00	0.00	O
ATOM	1198	C5'	T B	20	21.046	-70.716	107.182	1.00	0.00	C
ATOM	1199	O5'	T B	20	21.966	-70.687	108.303	1.00	0.00	O
ATOM	1200	O1P	T B	20	20.467	-71.037	110.294	1.00	0.00	O
ATOM	1201	O2P	T B	20	22.621	-69.775	110.550	1.00	0.00	O
ATOM	1202	P	T B	20	21.454	-70.113	109.699	1.00	0.00	P
ATOM	1203	H3	T B	20	27.299	-70.181	104.430	1.00	0.00	H
ATOM	1204	H6	T B	20	24.062	-70.657	107.968	1.00	0.00	H
ATOM	1205	H1'	T B	20	23.902	-73.024	105.125	1.00	0.00	H
ATOM	1206	H3'	T B	20	21.257	-73.274	108.024	1.00	0.00	H
ATOM	1207	H4'	T B	20	20.417	-72.163	105.772	1.00	0.00	H
ATOM	1208	H3T	T B	20	21.901	-75.173	106.616	1.00	0.00	H
ATOM	1209	H71	T B	20	26.165	-69.382	109.396	1.00	0.00	H
ATOM	1210	H72	T B	20	26.747	-68.052	108.366	1.00	0.00	H
ATOM	1211	H73	T B	20	25.007	-68.222	108.701	1.00	0.00	H
ATOM	1212	H2'1	T B	20	23.507	-72.440	108.074	1.00	0.00	H
ATOM	1213	H2'2	T B	20	23.755	-73.991	107.286	1.00	0.00	H
ATOM	1214	H5'1	T B	20	21.166	-69.814	106.582	1.00	0.00	H
ATOM	1215	H5'2	T B	20	20.022	-70.770	107.547	1.00	0.00	H
TER										
ATOM	1	C1'	A A	1	-7.035	-71.996	115.829	1.00	0.00	C
ATOM	2	N1	A A	1	-6.667	-68.878	119.888	1.00	0.00	N
ATOM	3	C2	A A	1	-7.704	-69.459	119.293	1.00	0.00	C
ATOM	4	N3	A A	1	-7.729	-70.257	118.247	1.00	0.00	N
ATOM	5	C4	A A	1	-6.483	-70.451	117.780	1.00	0.00	C
ATOM	6	C5	A A	1	-5.319	-69.930	118.272	1.00	0.00	C
ATOM	7	C6	A A	1	-5.436	-69.090	119.400	1.00	0.00	C
ATOM	8	N6	A A	1	-4.380	-68.507	119.993	1.00	0.00	N
ATOM	9	N7	A A	1	-4.229	-70.351	117.530	1.00	0.00	N
ATOM	10	C8	A A	1	-4.753	-71.109	116.612	1.00	0.00	C
ATOM	11	N9	A A	1	-6.116	-71.218	116.700	1.00	0.00	N
ATOM	12	C2'	A A	1	-6.641	-71.987	114.359	1.00	0.00	C
ATOM	13	C3'	A A	1	-7.037	-73.388	113.917	1.00	0.00	C
ATOM	14	O3'	A A	1	-8.422	-73.399	113.578	1.00	0.00	O
ATOM	15	C4'	A A	1	-6.740	-74.233	115.155	1.00	0.00	C
ATOM	16	O4'	A A	1	-7.024	-73.338	116.278	1.00	0.00	O
ATOM	17	C5'	A A	1	-5.326	-74.747	115.293	1.00	0.00	C
ATOM	18	O5'	A A	1	-4.392	-73.753	114.800	1.00	0.00	O
ATOM	19	H2	A A	1	-8.677	-69.243	119.736	1.00	0.00	H
ATOM	20	H8	A A	1	-4.163	-71.611	115.844	1.00	0.00	H
ATOM	21	H1'	A A	1	-8.045	-71.607	115.965	1.00	0.00	H
ATOM	22	H3'	A A	1	-6.453	-73.727	113.060	1.00	0.00	H
ATOM	23	H4'	A A	1	-7.406	-75.093	115.118	1.00	0.00	H
ATOM	24	H61	A A	1	-4.518	-67.905	120.813	1.00	0.00	H
ATOM	25	H62	A A	1	-3.431	-68.666	119.622	1.00	0.00	H
ATOM	26	H5T	A A	1	-3.589	-74.050	114.366	1.00	0.00	H
ATOM	27	H2'1	A A	1	-5.575	-71.814	114.217	1.00	0.00	H
ATOM	28	H2'2	A A	1	-7.177	-71.228	113.791	1.00	0.00	H

ATOM	29	H5'1	A A	1	-5.122	-74.955	116.343	1.00	0.00	H
ATOM	30	H5'2	A A	1	-5.222	-75.666	114.718	1.00	0.00	H
ATOM	31	C1'	G A	2	-10.633	-68.575	115.700	1.00	0.00	C
ATOM	32	N1	G A	2	-7.370	-65.832	118.499	1.00	0.00	N
ATOM	33	C2	G A	2	-8.735	-65.994	118.636	1.00	0.00	C
ATOM	34	N2	G A	2	-9.308	-65.340	119.652	1.00	0.00	N
ATOM	35	N3	G A	2	-9.470	-66.752	117.824	1.00	0.00	N
ATOM	36	C4	G A	2	-8.727	-67.336	116.848	1.00	0.00	C
ATOM	37	C5	G A	2	-7.362	-67.229	116.633	1.00	0.00	C
ATOM	38	C6	G A	2	-6.581	-66.427	117.498	1.00	0.00	C
ATOM	39	O6	G A	2	-5.369	-66.210	117.472	1.00	0.00	O
ATOM	40	N7	G A	2	-6.988	-67.986	115.521	1.00	0.00	N
ATOM	41	C8	G A	2	-8.109	-68.519	115.109	1.00	0.00	C
ATOM	42	N9	G A	2	-9.211	-68.171	115.864	1.00	0.00	N
ATOM	43	C2'	G A	2	-11.078	-68.678	114.247	1.00	0.00	C
ATOM	44	C3'	G A	2	-12.039	-69.854	114.291	1.00	0.00	C
ATOM	45	O3'	G A	2	-13.329	-69.389	114.685	1.00	0.00	O
ATOM	46	C4'	G A	2	-11.409	-70.768	115.341	1.00	0.00	C
ATOM	47	O4'	G A	2	-10.791	-69.849	116.295	1.00	0.00	O
ATOM	48	C5'	G A	2	-10.359	-71.734	114.846	1.00	0.00	C
ATOM	49	O5'	G A	2	-9.569	-71.108	113.804	1.00	0.00	O
ATOM	50	O1P	G A	2	-10.138	-72.455	111.756	1.00	0.00	O
ATOM	51	O2P	G A	2	-7.918	-71.298	111.920	1.00	0.00	O
ATOM	52	P	G A	2	-9.021	-72.011	112.611	1.00	0.00	P
ATOM	53	H1	G A	2	-6.893	-65.225	119.183	1.00	0.00	H
ATOM	54	H8	G A	2	-8.170	-69.180	114.245	1.00	0.00	H
ATOM	55	H1'	G A	2	-11.254	-67.868	116.249	1.00	0.00	H
ATOM	56	H21	G A	2	-8.733	-64.756	120.277	1.00	0.00	H
ATOM	57	H3'	G A	2	-12.115	-70.357	113.327	1.00	0.00	H
ATOM	58	H22	G A	2	-10.323	-65.419	119.806	1.00	0.00	H
ATOM	59	H4'	G A	2	-12.219	-71.353	115.778	1.00	0.00	H
ATOM	60	H2'1	G A	2	-10.243	-68.874	113.572	1.00	0.00	H
ATOM	61	H2'2	G A	2	-11.574	-67.771	113.901	1.00	0.00	H
ATOM	62	H5'1	G A	2	-9.713	-72.017	115.677	1.00	0.00	H
ATOM	63	H5'2	G A	2	-10.848	-72.625	114.454	1.00	0.00	H
ATOM	64	C1'	G A	3	-12.632	-64.171	116.763	1.00	0.00	C
ATOM	65	N1	G A	3	-7.767	-62.697	117.177	1.00	0.00	N
ATOM	66	C2	G A	3	-8.853	-62.401	117.977	1.00	0.00	C
ATOM	67	N2	G A	3	-8.614	-61.604	119.027	1.00	0.00	N
ATOM	68	N3	G A	3	-10.081	-62.862	117.750	1.00	0.00	N
ATOM	69	C4	G A	3	-10.142	-63.647	116.643	1.00	0.00	C
ATOM	70	C5	G A	3	-9.111	-63.994	115.784	1.00	0.00	C
ATOM	71	C6	G A	3	-7.806	-63.507	116.028	1.00	0.00	C
ATOM	72	O6	G A	3	-6.772	-63.702	115.388	1.00	0.00	O
ATOM	73	N7	G A	3	-9.591	-64.817	114.764	1.00	0.00	N
ATOM	74	C8	G A	3	-10.864	-64.945	115.031	1.00	0.00	C
ATOM	75	N9	G A	3	-11.275	-64.262	116.157	1.00	0.00	N
ATOM	76	C2'	G A	3	-13.757	-64.103	115.740	1.00	0.00	C
ATOM	77	C3'	G A	3	-14.858	-64.894	116.425	1.00	0.00	C
ATOM	78	O3'	G A	3	-15.570	-64.034	117.312	1.00	0.00	O
ATOM	79	C4'	G A	3	-14.084	-65.978	117.173	1.00	0.00	C
ATOM	80	O4'	G A	3	-12.829	-65.328	117.553	1.00	0.00	O
ATOM	81	C5'	G A	3	-13.761	-67.230	116.391	1.00	0.00	C
ATOM	82	O5'	G A	3	-13.465	-66.888	115.015	1.00	0.00	O

ATOM	83	O1P	G A	3	-15.356	-67.945	113.733	1.00	0.00	O
ATOM	84	O2P	G A	3	-13.134	-67.589	112.625	1.00	0.00	O
ATOM	85	P	G A	3	-13.888	-67.907	113.862	1.00	0.00	P
ATOM	86	H1	G A	3	-6.856	-62.292	117.444	1.00	0.00	H
ATOM	87	H8	G A	3	-11.542	-65.537	114.419	1.00	0.00	H
ATOM	88	H1'	G A	3	-12.652	-63.305	117.425	1.00	0.00	H
ATOM	89	H21	G A	3	-7.661	-61.253	119.199	1.00	0.00	H
ATOM	90	H3'	G A	3	-15.555	-65.330	115.709	1.00	0.00	H
ATOM	91	H22	G A	3	-9.382	-61.345	119.660	1.00	0.00	H
ATOM	92	H4'	G A	3	-14.690	-66.268	118.030	1.00	0.00	H
ATOM	93	H2'1	G A	3	-13.478	-64.554	114.788	1.00	0.00	H
ATOM	94	H2'2	G A	3	-14.071	-63.078	115.538	1.00	0.00	H
ATOM	95	H5'1	G A	3	-12.899	-67.721	116.843	1.00	0.00	H
ATOM	96	H5'2	G A	3	-14.616	-67.905	116.429	1.00	0.00	H
ATOM	97	C1'	C A	4	-12.433	-59.366	117.951	1.00	0.00	C
ATOM	98	N1	C A	4	-11.659	-59.892	116.792	1.00	0.00	N
ATOM	99	C2	C A	4	-10.300	-59.593	116.728	1.00	0.00	C
ATOM	100	O2	C A	4	-9.794	-58.909	117.627	1.00	0.00	O
ATOM	101	N3	C A	4	-9.578	-60.061	115.681	1.00	0.00	N
ATOM	102	C4	C A	4	-10.154	-60.797	114.722	1.00	0.00	C
ATOM	103	N4	C A	4	-9.399	-61.233	113.723	1.00	0.00	N
ATOM	104	C5	C A	4	-11.549	-61.117	114.763	1.00	0.00	C
ATOM	105	C6	C A	4	-12.256	-60.639	115.826	1.00	0.00	C
ATOM	106	C2'	C A	4	-13.841	-58.915	117.594	1.00	0.00	C
ATOM	107	C3'	C A	4	-14.626	-59.310	118.836	1.00	0.00	C
ATOM	108	O3'	C A	4	-14.509	-58.275	119.811	1.00	0.00	O
ATOM	109	C4'	C A	4	-13.938	-60.599	119.277	1.00	0.00	C
ATOM	110	O4'	C A	4	-12.535	-60.406	118.906	1.00	0.00	O
ATOM	111	C5'	C A	4	-14.433	-61.876	118.640	1.00	0.00	C
ATOM	112	O5'	C A	4	-14.785	-61.629	117.255	1.00	0.00	O
ATOM	113	O1P	C A	4	-17.276	-61.983	117.213	1.00	0.00	O
ATOM	114	O2P	C A	4	-15.920	-62.365	115.137	1.00	0.00	O
ATOM	115	P	C A	4	-16.004	-62.435	116.617	1.00	0.00	P
ATOM	116	H5	C A	4	-12.023	-61.713	113.981	1.00	0.00	H
ATOM	117	H6	C A	4	-13.320	-60.859	115.904	1.00	0.00	H
ATOM	118	H1'	C A	4	-11.864	-58.554	118.400	1.00	0.00	H
ATOM	119	H3'	C A	4	-15.679	-59.480	118.616	1.00	0.00	H
ATOM	120	H4'	C A	4	-14.086	-60.685	120.354	1.00	0.00	H
ATOM	121	H41	C A	4	-9.816	-61.803	112.973	1.00	0.00	H
ATOM	122	H42	C A	4	-8.396	-61.000	113.694	1.00	0.00	H
ATOM	123	H2'1	C A	4	-14.226	-59.418	116.707	1.00	0.00	H
ATOM	124	H2'2	C A	4	-13.898	-57.841	117.412	1.00	0.00	H
ATOM	125	H5'1	C A	4	-13.650	-62.632	118.692	1.00	0.00	H
ATOM	126	H5'2	C A	4	-15.309	-62.231	119.184	1.00	0.00	H
ATOM	127	C1'	C A	5	-10.271	-54.914	118.125	1.00	0.00	C
ATOM	128	N1	C A	5	-10.382	-55.651	116.836	1.00	0.00	N
ATOM	129	C2	C A	5	-9.224	-55.818	116.079	1.00	0.00	C
ATOM	130	O2	C A	5	-8.159	-55.351	116.504	1.00	0.00	O
ATOM	131	N3	C A	5	-9.304	-56.486	114.902	1.00	0.00	N
ATOM	132	C4	C A	5	-10.470	-56.978	114.467	1.00	0.00	C
ATOM	133	N4	C A	5	-10.490	-57.625	113.312	1.00	0.00	N
ATOM	134	C5	C A	5	-11.677	-56.819	115.224	1.00	0.00	C
ATOM	135	C6	C A	5	-11.572	-56.147	116.407	1.00	0.00	C
ATOM	136	C2'	C A	5	-11.464	-54.018	118.424	1.00	0.00	C

ATOM	137	C3'	C A	5	-11.586	-54.147	119.934	1.00	0.00	C
ATOM	138	O3'	C A	5	-10.697	-53.222	120.556	1.00	0.00	O
ATOM	139	C4'	C A	5	-11.181	-55.597	120.185	1.00	0.00	C
ATOM	140	O4'	C A	5	-10.174	-55.874	119.162	1.00	0.00	O
ATOM	141	C5'	C A	5	-12.278	-56.630	120.076	1.00	0.00	C
ATOM	142	O5'	C A	5	-13.193	-56.263	119.010	1.00	0.00	O
ATOM	143	O1P	C A	5	-15.339	-55.772	120.228	1.00	0.00	O
ATOM	144	O2P	C A	5	-15.399	-56.556	117.845	1.00	0.00	O
ATOM	145	P	C A	5	-14.739	-56.611	119.173	1.00	0.00	P
ATOM	146	H5	C A	5	-12.630	-57.214	114.873	1.00	0.00	H
ATOM	147	H6	C A	5	-12.462	-56.004	117.020	1.00	0.00	H
ATOM	148	H1'	C A	5	-9.344	-54.341	118.110	1.00	0.00	H
ATOM	149	H3'	C A	5	-12.603	-53.956	120.278	1.00	0.00	H
ATOM	150	H4'	C A	5	-10.782	-55.643	121.200	1.00	0.00	H
ATOM	151	H41	C A	5	-11.374	-58.015	112.955	1.00	0.00	H
ATOM	152	H42	C A	5	-9.621	-57.737	112.768	1.00	0.00	H
ATOM	153	H2'1	C A	5	-12.371	-54.355	117.922	1.00	0.00	H
ATOM	154	H2'2	C A	5	-11.289	-52.983	118.126	1.00	0.00	H
ATOM	155	H5'1	C A	5	-11.835	-57.603	119.862	1.00	0.00	H
ATOM	156	H5'2	C A	5	-12.816	-56.681	121.021	1.00	0.00	H
ATOM	157	C1'	G A	6	-7.130	-51.431	116.534	1.00	0.00	C
ATOM	158	N1	G A	6	-7.628	-53.826	112.058	1.00	0.00	N
ATOM	159	C2	G A	6	-6.496	-53.322	112.674	1.00	0.00	C
ATOM	160	N2	G A	6	-5.346	-53.473	112.007	1.00	0.00	N
ATOM	161	N3	G A	6	-6.513	-52.714	113.859	1.00	0.00	N
ATOM	162	C4	G A	6	-7.764	-52.643	114.385	1.00	0.00	C
ATOM	163	C5	G A	6	-8.948	-53.114	113.843	1.00	0.00	C
ATOM	164	C6	G A	6	-8.931	-53.762	112.587	1.00	0.00	C
ATOM	165	O6	G A	6	-9.867	-54.242	111.948	1.00	0.00	O
ATOM	166	N7	G A	6	-10.014	-52.840	114.701	1.00	0.00	N
ATOM	167	C8	G A	6	-9.457	-52.230	115.714	1.00	0.00	C
ATOM	168	N9	G A	6	-8.091	-52.071	115.595	1.00	0.00	N
ATOM	169	C2'	G A	6	-7.683	-50.196	117.230	1.00	0.00	C
ATOM	170	C3'	G A	6	-7.049	-50.297	118.608	1.00	0.00	C
ATOM	171	O3'	G A	6	-5.744	-49.726	118.567	1.00	0.00	O
ATOM	172	C4'	G A	6	-7.015	-51.804	118.856	1.00	0.00	C
ATOM	173	O4'	G A	6	-6.802	-52.381	117.530	1.00	0.00	O
ATOM	174	C5'	G A	6	-8.259	-52.414	119.456	1.00	0.00	C
ATOM	175	O5'	G A	6	-9.435	-51.753	118.926	1.00	0.00	O
ATOM	176	O1P	G A	6	-10.409	-50.598	120.939	1.00	0.00	O
ATOM	177	O2P	G A	6	-11.901	-51.285	119.041	1.00	0.00	O
ATOM	178	P	G A	6	-10.706	-51.573	119.872	1.00	0.00	P
ATOM	179	H1	G A	6	-7.506	-54.286	111.142	1.00	0.00	H
ATOM	180	H8	G A	6	-10.020	-51.875	116.577	1.00	0.00	H
ATOM	181	H1'	G A	6	-6.219	-51.195	115.982	1.00	0.00	H
ATOM	182	H21	G A	6	-5.339	-53.946	111.093	1.00	0.00	H
ATOM	183	H3'	G A	6	-7.642	-49.787	119.370	1.00	0.00	H
ATOM	184	H22	G A	6	-4.467	-53.116	112.410	1.00	0.00	H
ATOM	185	H4'	G A	6	-6.188	-51.993	119.540	1.00	0.00	H
ATOM	186	H2'1	G A	6	-8.772	-50.208	117.292	1.00	0.00	H
ATOM	187	H2'2	G A	6	-7.394	-49.273	116.727	1.00	0.00	H
ATOM	188	H5'1	G A	6	-8.291	-53.476	119.211	1.00	0.00	H
ATOM	189	H5'2	G A	6	-8.228	-52.299	120.540	1.00	0.00	H
ATOM	190	C1'	C A	7	-4.368	-49.163	113.106	1.00	0.00	C

ATOM	191	N1	C A	7	-5.808	-49.440	112.854	1.00	0.00	N
ATOM	192	C2	C A	7	-6.149	-50.094	111.672	1.00	0.00	C
ATOM	193	O2	C A	7	-5.249	-50.415	110.885	1.00	0.00	O
ATOM	194	N3	C A	7	-7.455	-50.357	111.423	1.00	0.00	N
ATOM	195	C4	C A	7	-8.408	-49.996	112.292	1.00	0.00	C
ATOM	196	N4	C A	7	-9.669	-50.279	112.000	1.00	0.00	N
ATOM	197	C5	C A	7	-8.088	-49.318	113.515	1.00	0.00	C
ATOM	198	C6	C A	7	-6.764	-49.068	113.747	1.00	0.00	C
ATOM	199	C2'	C A	7	-4.109	-47.821	113.775	1.00	0.00	C
ATOM	200	C3'	C A	7	-2.929	-48.140	114.681	1.00	0.00	C
ATOM	201	O3'	C A	7	-1.721	-48.033	113.931	1.00	0.00	O
ATOM	202	C4'	C A	7	-3.214	-49.575	115.117	1.00	0.00	C
ATOM	203	O4'	C A	7	-3.878	-50.180	113.961	1.00	0.00	O
ATOM	204	C5'	C A	7	-4.106	-49.745	116.326	1.00	0.00	C
ATOM	205	O5'	C A	7	-5.136	-48.726	116.324	1.00	0.00	O
ATOM	206	O1P	C A	7	-4.582	-47.333	118.346	1.00	0.00	O
ATOM	207	O2P	C A	7	-6.949	-47.469	117.525	1.00	0.00	O
ATOM	208	P	C A	7	-5.644	-48.146	117.719	1.00	0.00	P
ATOM	209	H5	C A	7	-8.859	-49.015	114.223	1.00	0.00	H
ATOM	210	H6	C A	7	-6.470	-48.561	114.666	1.00	0.00	H
ATOM	211	H1'	C A	7	-3.836	-49.236	112.158	1.00	0.00	H
ATOM	212	H3'	C A	7	-2.882	-47.469	115.540	1.00	0.00	H
ATOM	213	H4'	C A	7	-2.253	-50.034	115.345	1.00	0.00	H
ATOM	214	H41	C A	7	-10.420	-50.015	112.653	1.00	0.00	H
ATOM	215	H42	C A	7	-9.899	-50.764	111.121	1.00	0.00	H
ATOM	216	H2'1	C A	7	-4.967	-47.472	114.350	1.00	0.00	H
ATOM	217	H2'2	C A	7	-3.857	-47.040	113.056	1.00	0.00	H
ATOM	218	H5'1	C A	7	-4.564	-50.735	116.297	1.00	0.00	H
ATOM	219	H5'2	C A	7	-3.502	-49.657	117.229	1.00	0.00	H
ATOM	220	C1'	A A	8	-3.177	-47.886	108.474	1.00	0.00	C
ATOM	221	N1	A A	8	-8.171	-48.671	107.585	1.00	0.00	N
ATOM	222	C2	A A	8	-7.076	-48.995	106.904	1.00	0.00	C
ATOM	223	N3	A A	8	-5.813	-48.763	107.192	1.00	0.00	N
ATOM	224	C4	A A	8	-5.717	-48.095	108.357	1.00	0.00	C
ATOM	225	C5	A A	8	-6.736	-47.691	109.172	1.00	0.00	C
ATOM	226	C6	A A	8	-8.043	-48.007	108.744	1.00	0.00	C
ATOM	227	N6	A A	8	-9.143	-47.674	109.440	1.00	0.00	N
ATOM	228	N7	A A	8	-6.254	-47.030	110.288	1.00	0.00	N
ATOM	229	C8	A A	8	-4.963	-47.046	110.125	1.00	0.00	C
ATOM	230	N9	A A	8	-4.562	-47.678	108.976	1.00	0.00	N
ATOM	231	C2'	A A	8	-2.248	-46.708	108.734	1.00	0.00	C
ATOM	232	C3'	A A	8	-0.924	-47.404	109.010	1.00	0.00	C
ATOM	233	O3'	A A	8	-0.277	-47.683	107.772	1.00	0.00	O
ATOM	234	C4'	A A	8	-1.355	-48.678	109.737	1.00	0.00	C
ATOM	235	O4'	A A	8	-2.646	-49.018	109.134	1.00	0.00	O
ATOM	236	C5'	A A	8	-1.532	-48.568	111.233	1.00	0.00	C
ATOM	237	O5'	A A	8	-2.087	-47.270	111.567	1.00	0.00	O
ATOM	238	O1P	A A	8	-0.230	-46.160	112.855	1.00	0.00	O
ATOM	239	O2P	A A	8	-2.617	-45.512	113.282	1.00	0.00	O
ATOM	240	P	A A	8	-1.644	-46.577	112.933	1.00	0.00	P
ATOM	241	H2	A A	8	-7.249	-49.529	105.971	1.00	0.00	H
ATOM	242	H8	A A	8	-4.266	-46.600	110.833	1.00	0.00	H
ATOM	243	H1'	A A	8	-3.232	-48.113	107.410	1.00	0.00	H
ATOM	244	H3'	A A	8	-0.267	-46.799	109.633	1.00	0.00	H

ATOM	245	H4'	A A	8	-0.586	-49.425	109.546	1.00	0.00	H
ATOM	246	H61	A A	8	-10.075	-47.931	109.084	1.00	0.00	H
ATOM	247	H62	A A	8	-9.054	-47.162	110.330	1.00	0.00	H
ATOM	248	H2'1	A A	8	-2.567	-46.110	109.586	1.00	0.00	H
ATOM	249	H2'2	A A	8	-2.174	-46.042	107.873	1.00	0.00	H
ATOM	250	H5'1	A A	8	-2.208	-49.355	111.570	1.00	0.00	H
ATOM	251	H5'2	A A	8	-0.566	-48.691	111.718	1.00	0.00	H
ATOM	252	C1'	C A	9	-4.229	-47.022	103.698	1.00	0.00	C
ATOM	253	N1	C A	9	-5.022	-46.367	104.774	1.00	0.00	N
ATOM	254	C2	C A	9	-6.410	-46.466	104.715	1.00	0.00	C
ATOM	255	O2	C A	9	-6.924	-47.091	103.777	1.00	0.00	O
ATOM	256	N3	C A	9	-7.150	-45.878	105.685	1.00	0.00	N
ATOM	257	C4	C A	9	-6.565	-45.208	106.686	1.00	0.00	C
ATOM	258	N4	C A	9	-7.337	-44.654	107.610	1.00	0.00	N
ATOM	259	C5	C A	9	-5.139	-45.085	106.771	1.00	0.00	C
ATOM	260	C6	C A	9	-4.413	-45.691	105.785	1.00	0.00	C
ATOM	261	C2'	C A	9	-3.002	-46.229	103.270	1.00	0.00	C
ATOM	262	C3'	C A	9	-1.997	-47.334	102.973	1.00	0.00	C
ATOM	263	O3'	C A	9	-2.199	-47.801	101.641	1.00	0.00	O
ATOM	264	C4'	C A	9	-2.342	-48.396	104.014	1.00	0.00	C
ATOM	265	O4'	C A	9	-3.791	-48.276	104.189	1.00	0.00	O
ATOM	266	C5'	C A	9	-1.681	-48.250	105.365	1.00	0.00	C
ATOM	267	O5'	C A	9	-1.572	-46.845	105.708	1.00	0.00	O
ATOM	268	O1P	C A	9	0.912	-46.439	105.719	1.00	0.00	O
ATOM	269	O2P	C A	9	-0.594	-45.030	107.148	1.00	0.00	O
ATOM	270	P	C A	9	-0.306	-46.357	106.547	1.00	0.00	P
ATOM	271	H5	C A	9	-4.658	-44.536	107.582	1.00	0.00	H
ATOM	272	H6	C A	9	-3.325	-45.632	105.811	1.00	0.00	H
ATOM	273	H1'	C A	9	-4.890	-47.207	102.851	1.00	0.00	H
ATOM	274	H3'	C A	9	-0.970	-46.991	103.085	1.00	0.00	H
ATOM	275	H4'	C A	9	-2.041	-49.357	103.599	1.00	0.00	H
ATOM	276	H41	C A	9	-6.912	-44.136	108.393	1.00	0.00	H
ATOM	277	H42	C A	9	-8.362	-44.741	107.545	1.00	0.00	H
ATOM	278	H2'1	C A	9	-2.640	-45.569	104.057	1.00	0.00	H
ATOM	279	H2'2	C A	9	-3.192	-45.616	102.389	1.00	0.00	H
ATOM	280	H5'1	C A	9	-2.279	-48.767	106.116	1.00	0.00	H
ATOM	281	H5'2	C A	9	-0.689	-48.698	105.327	1.00	0.00	H
ATOM	282	C1'	C A	10	-7.221	-45.799	99.946	1.00	0.00	C
ATOM	283	N1	C A	10	-7.129	-44.932	101.152	1.00	0.00	N
ATOM	284	C2	C A	10	-8.315	-44.567	101.784	1.00	0.00	C
ATOM	285	O2	C A	10	-9.390	-44.973	101.321	1.00	0.00	O
ATOM	286	N3	C A	10	-8.255	-43.778	102.885	1.00	0.00	N
ATOM	287	C4	C A	10	-7.078	-43.353	103.363	1.00	0.00	C
ATOM	288	N4	C A	10	-7.075	-42.586	104.444	1.00	0.00	N
ATOM	289	C5	C A	10	-5.841	-43.709	102.731	1.00	0.00	C
ATOM	290	C6	C A	10	-5.926	-44.509	101.626	1.00	0.00	C
ATOM	291	C2'	C A	10	-6.209	-45.451	98.863	1.00	0.00	C
ATOM	292	C3'	C A	10	-5.867	-46.822	98.297	1.00	0.00	C
ATOM	293	O3'	C A	10	-6.840	-47.179	97.318	1.00	0.00	O
ATOM	294	C4'	C A	10	-5.929	-47.723	99.528	1.00	0.00	C
ATOM	295	O4'	C A	10	-6.982	-47.134	100.355	1.00	0.00	O
ATOM	296	C5'	C A	10	-4.667	-47.821	100.352	1.00	0.00	C
ATOM	297	O5'	C A	10	-3.995	-46.536	100.375	1.00	0.00	O
ATOM	298	O1P	C A	10	-1.856	-46.975	99.125	1.00	0.00	O

ATOM	299	O2P	C	A	10	-1.946	-45.166	100.860	1.00	0.00	O
ATOM	300	P	C	A	10	-2.401	-46.505	100.412	1.00	0.00	P
ATOM	301	H5	C	A	10	-4.881	-43.361	103.112	1.00	0.00	H
ATOM	302	H6	C	A	10	-5.014	-44.814	101.116	1.00	0.00	H
ATOM	303	H1'	C	A	10	-8.240	-45.743	99.563	1.00	0.00	H
ATOM	304	H3'	C	A	10	-4.877	-46.841	97.844	1.00	0.00	H
ATOM	305	H4'	C	A	10	-6.174	-48.725	99.175	1.00	0.00	H
ATOM	306	H41	C	A	10	-6.184	-42.247	104.832	1.00	0.00	H
ATOM	307	H42	C	A	10	-7.966	-42.329	104.894	1.00	0.00	H
ATOM	308	H2'1	C	A	10	-5.325	-44.958	99.263	1.00	0.00	H
ATOM	309	H2'2	C	A	10	-6.631	-44.799	98.096	1.00	0.00	H
ATOM	310	H5'1	C	A	10	-4.924	-48.120	101.369	1.00	0.00	H
ATOM	311	H5'2	C	A	10	-4.011	-48.573	99.913	1.00	0.00	H
ATOM	312	C1'	T	A	11	-11.186	-43.621	97.939	1.00	0.00	C
ATOM	313	N1	T	A	11	-10.268	-42.841	98.810	1.00	0.00	N
ATOM	314	C2	T	A	11	-10.836	-42.129	99.847	1.00	0.00	C
ATOM	315	O2	T	A	11	-12.036	-42.120	100.062	1.00	0.00	O
ATOM	316	N3	T	A	11	-9.947	-41.419	100.632	1.00	0.00	N
ATOM	317	C4	T	A	11	-8.577	-41.359	100.472	1.00	0.00	C
ATOM	318	O4	T	A	11	-7.880	-40.682	101.240	1.00	0.00	O
ATOM	319	C5	T	A	11	-8.076	-42.134	99.363	1.00	0.00	C
ATOM	320	C6	T	A	11	-8.914	-42.839	98.579	1.00	0.00	C
ATOM	321	C7	T	A	11	-6.592	-42.100	99.154	1.00	0.00	C
ATOM	322	C2'	T	A	11	-10.793	-43.611	96.467	1.00	0.00	C
ATOM	323	C3'	T	A	11	-11.183	-45.012	96.024	1.00	0.00	C
ATOM	324	O3'	T	A	11	-12.568	-45.029	95.686	1.00	0.00	O
ATOM	325	C4'	T	A	11	-10.882	-45.855	97.261	1.00	0.00	C
ATOM	326	O4'	T	A	11	-11.169	-44.964	98.385	1.00	0.00	O
ATOM	327	C5'	T	A	11	-9.466	-46.365	97.399	1.00	0.00	C
ATOM	328	O5'	T	A	11	-8.537	-45.368	96.906	1.00	0.00	O
ATOM	329	O1P	T	A	11	-7.525	-46.464	94.879	1.00	0.00	O
ATOM	330	O2P	T	A	11	-6.223	-44.738	96.153	1.00	0.00	O
ATOM	331	P	T	A	11	-7.201	-45.854	96.183	1.00	0.00	P
ATOM	332	H3	T	A	11	-10.345	-40.882	101.415	1.00	0.00	H
ATOM	333	H6	T	A	11	-8.513	-43.418	97.745	1.00	0.00	H
ATOM	334	H1'	T	A	11	-12.197	-43.236	98.074	1.00	0.00	H
ATOM	335	H3'	T	A	11	-10.599	-45.347	95.167	1.00	0.00	H
ATOM	336	H4'	T	A	11	-11.545	-46.721	97.224	1.00	0.00	H
ATOM	337	H71	T	A	11	-6.369	-41.608	98.208	1.00	0.00	H
ATOM	338	H72	T	A	11	-6.123	-41.547	99.970	1.00	0.00	H
ATOM	339	H73	T	A	11	-6.202	-43.118	99.136	1.00	0.00	H
ATOM	340	H2'1	T	A	11	-9.728	-43.433	96.325	1.00	0.00	H
ATOM	341	H2'2	T	A	11	-11.331	-42.851	95.900	1.00	0.00	H
ATOM	342	H5'1	T	A	11	-9.261	-46.575	98.448	1.00	0.00	H
ATOM	343	H5'2	T	A	11	-9.359	-47.284	96.822	1.00	0.00	H
ATOM	344	C1'	A	A	12	-14.793	-40.215	97.791	1.00	0.00	C
ATOM	345	N1	A	A	12	-11.531	-37.446	100.625	1.00	0.00	N
ATOM	346	C2	A	A	12	-12.843	-37.645	100.701	1.00	0.00	C
ATOM	347	N3	A	A	12	-13.626	-38.377	99.936	1.00	0.00	N
ATOM	348	C4	A	A	12	-12.906	-38.965	98.964	1.00	0.00	C
ATOM	349	C5	A	A	12	-11.561	-38.864	98.747	1.00	0.00	C
ATOM	350	C6	A	A	12	-10.840	-38.048	99.644	1.00	0.00	C
ATOM	351	N6	A	A	12	-9.513	-37.855	99.556	1.00	0.00	N
ATOM	352	N7	A	A	12	-11.174	-39.614	97.651	1.00	0.00	N

ATOM	353	C8	A	A	12	-12.284	-40.144	97.227	1.00	0.00	C
ATOM	354	N9	A	A	12	-13.378	-39.797	97.978	1.00	0.00	N
ATOM	355	C2'	A	A	12	-15.214	-40.320	96.332	1.00	0.00	C
ATOM	356	C3'	A	A	12	-16.166	-41.505	96.359	1.00	0.00	C
ATOM	357	O3'	A	A	12	-17.466	-41.052	96.735	1.00	0.00	O
ATOM	358	C4'	A	A	12	-15.545	-42.416	97.417	1.00	0.00	C
ATOM	359	O4'	A	A	12	-14.946	-41.491	98.382	1.00	0.00	O
ATOM	360	C5'	A	A	12	-14.479	-43.370	96.937	1.00	0.00	C
ATOM	361	O5'	A	A	12	-13.678	-42.736	95.907	1.00	0.00	O
ATOM	362	O1P	A	A	12	-14.205	-44.084	93.847	1.00	0.00	O
ATOM	363	O2P	A	A	12	-11.997	-42.907	94.047	1.00	0.00	O
ATOM	364	P	A	A	12	-13.104	-43.632	94.720	1.00	0.00	P
ATOM	365	H2	A	A	12	-13.345	-37.125	101.516	1.00	0.00	H
ATOM	366	H8	A	A	12	-12.341	-40.802	96.360	1.00	0.00	H
ATOM	367	H1'	A	A	12	-15.430	-39.516	98.332	1.00	0.00	H
ATOM	368	H3'	A	A	12	-16.225	-42.006	95.395	1.00	0.00	H
ATOM	369	H4'	A	A	12	-16.357	-43.007	97.840	1.00	0.00	H
ATOM	370	H61	A	A	12	-9.034	-37.252	100.238	1.00	0.00	H
ATOM	371	H62	A	A	12	-8.975	-38.313	98.804	1.00	0.00	H
ATOM	372	H2'1	A	A	12	-14.369	-40.506	95.669	1.00	0.00	H
ATOM	373	H2'2	A	A	12	-15.714	-39.418	95.980	1.00	0.00	H
ATOM	374	H5'1	A	A	12	-13.843	-43.648	97.778	1.00	0.00	H
ATOM	375	H5'2	A	A	12	-14.953	-44.265	96.536	1.00	0.00	H
ATOM	376	C1'	G	A	13	-16.782	-35.797	98.871	1.00	0.00	C
ATOM	377	N1	G	A	13	-11.916	-34.323	99.286	1.00	0.00	N
ATOM	378	C2	G	A	13	-13.004	-34.027	100.087	1.00	0.00	C
ATOM	379	N2	G	A	13	-12.766	-33.228	101.137	1.00	0.00	N
ATOM	380	N3	G	A	13	-14.232	-34.488	99.858	1.00	0.00	N
ATOM	381	C4	G	A	13	-14.292	-35.272	98.750	1.00	0.00	C
ATOM	382	C5	G	A	13	-13.262	-35.620	97.892	1.00	0.00	C
ATOM	383	C6	G	A	13	-11.956	-35.132	98.137	1.00	0.00	C
ATOM	384	O6	G	A	13	-10.924	-35.327	97.494	1.00	0.00	O
ATOM	385	N7	G	A	13	-13.741	-36.443	96.872	1.00	0.00	N
ATOM	386	C8	G	A	13	-15.014	-36.571	97.140	1.00	0.00	C
ATOM	387	N9	G	A	13	-15.425	-35.887	98.266	1.00	0.00	N
ATOM	388	C2'	G	A	13	-17.907	-35.728	97.849	1.00	0.00	C
ATOM	389	C3'	G	A	13	-19.009	-36.520	98.534	1.00	0.00	C
ATOM	390	O3'	G	A	13	-19.721	-35.660	99.421	1.00	0.00	O
ATOM	391	C4'	G	A	13	-18.235	-37.604	99.281	1.00	0.00	C
ATOM	392	O4'	G	A	13	-16.980	-36.954	99.661	1.00	0.00	O
ATOM	393	C5'	G	A	13	-17.911	-38.856	98.500	1.00	0.00	C
ATOM	394	O5'	G	A	13	-17.616	-38.514	97.124	1.00	0.00	O
ATOM	395	O1P	G	A	13	-19.507	-39.571	95.841	1.00	0.00	O
ATOM	396	O2P	G	A	13	-17.284	-39.215	94.733	1.00	0.00	O
ATOM	397	P	G	A	13	-18.038	-39.533	95.971	1.00	0.00	P
ATOM	398	H1	G	A	13	-11.004	-33.920	99.554	1.00	0.00	H
ATOM	399	H8	G	A	13	-15.693	-37.163	96.527	1.00	0.00	H
ATOM	400	H1'	G	A	13	-16.803	-34.931	99.534	1.00	0.00	H
ATOM	401	H21	G	A	13	-11.811	-32.878	101.308	1.00	0.00	H
ATOM	402	H3'	G	A	13	-19.706	-36.956	97.818	1.00	0.00	H
ATOM	403	H22	G	A	13	-13.534	-32.969	101.768	1.00	0.00	H
ATOM	404	H4'	G	A	13	-18.840	-37.893	100.139	1.00	0.00	H
ATOM	405	H2'1	G	A	13	-17.629	-36.180	96.896	1.00	0.00	H
ATOM	406	H2'2	G	A	13	-18.221	-34.703	97.646	1.00	0.00	H

ATOM	407	H5'1	G A	13	-17.050	-39.347	98.951	1.00	0.00	H
ATOM	408	H5'2	G A	13	-18.767	-39.531	98.536	1.00	0.00	H
ATOM	409	C1'	G A	14	-16.583	-30.992	100.059	1.00	0.00	C
ATOM	410	N1	G A	14	-11.992	-31.217	97.844	1.00	0.00	N
ATOM	411	C2	G A	14	-12.386	-30.588	99.012	1.00	0.00	C
ATOM	412	N2	G A	14	-11.430	-29.927	99.676	1.00	0.00	N
ATOM	413	N3	G A	14	-13.633	-30.614	99.478	1.00	0.00	N
ATOM	414	C4	G A	14	-14.469	-31.321	98.674	1.00	0.00	C
ATOM	415	C5	G A	14	-14.167	-31.977	97.493	1.00	0.00	C
ATOM	416	C6	G A	14	-12.845	-31.953	96.999	1.00	0.00	C
ATOM	417	O6	G A	14	-12.386	-32.469	95.980	1.00	0.00	O
ATOM	418	N7	G A	14	-15.314	-32.583	96.974	1.00	0.00	N
ATOM	419	C8	G A	14	-16.250	-32.285	97.837	1.00	0.00	C
ATOM	420	N9	G A	14	-15.814	-31.519	98.898	1.00	0.00	N
ATOM	421	C2'	G A	14	-17.994	-30.543	99.707	1.00	0.00	C
ATOM	422	C3'	G A	14	-18.773	-30.934	100.952	1.00	0.00	C
ATOM	423	O3'	G A	14	-18.653	-29.898	101.925	1.00	0.00	O
ATOM	424	C4'	G A	14	-18.082	-32.223	101.394	1.00	0.00	C
ATOM	425	O4'	G A	14	-16.681	-32.029	101.016	1.00	0.00	O
ATOM	426	C5'	G A	14	-18.579	-33.501	100.761	1.00	0.00	C
ATOM	427	O5'	G A	14	-18.936	-33.258	99.379	1.00	0.00	O
ATOM	428	O1P	G A	14	-21.427	-33.613	99.347	1.00	0.00	O
ATOM	429	O2P	G A	14	-20.080	-34.000	97.267	1.00	0.00	O
ATOM	430	P	G A	14	-20.158	-34.065	98.747	1.00	0.00	P
ATOM	431	H1	G A	14	-11.000	-31.141	97.574	1.00	0.00	H
ATOM	432	H8	G A	14	-17.284	-32.613	97.728	1.00	0.00	H
ATOM	433	H1'	G A	14	-16.012	-30.177	100.503	1.00	0.00	H
ATOM	434	H21	G A	14	-10.465	-29.914	99.311	1.00	0.00	H
ATOM	435	H3'	G A	14	-19.826	-31.107	100.738	1.00	0.00	H
ATOM	436	H22	G A	14	-11.656	-29.435	100.551	1.00	0.00	H
ATOM	437	H4'	G A	14	-18.224	-32.306	102.471	1.00	0.00	H
ATOM	438	H2'1	G A	14	-18.381	-31.049	98.823	1.00	0.00	H
ATOM	439	H2'2	G A	14	-18.053	-29.470	99.523	1.00	0.00	H
ATOM	440	H5'1	G A	14	-17.795	-34.255	100.813	1.00	0.00	H
ATOM	441	H5'2	G A	14	-19.453	-33.856	101.311	1.00	0.00	H
ATOM	442	C1'	A A	15	-14.439	-26.536	100.249	1.00	0.00	C
ATOM	443	N1	A A	15	-11.859	-28.237	96.150	1.00	0.00	N
ATOM	444	C2	A A	15	-11.484	-27.555	97.230	1.00	0.00	C
ATOM	445	N3	A A	15	-12.203	-27.149	98.255	1.00	0.00	N
ATOM	446	C4	A A	15	-13.487	-27.518	98.097	1.00	0.00	C
ATOM	447	C5	A A	15	-14.032	-28.214	97.055	1.00	0.00	C
ATOM	448	C6	A A	15	-13.147	-28.591	96.022	1.00	0.00	C
ATOM	449	N6	A A	15	-13.538	-29.278	94.936	1.00	0.00	N
ATOM	450	N7	A A	15	-15.389	-28.412	97.239	1.00	0.00	N
ATOM	451	C8	A A	15	-15.636	-27.832	98.376	1.00	0.00	C
ATOM	452	N9	A A	15	-14.528	-27.268	98.957	1.00	0.00	N
ATOM	453	C2'	A A	15	-15.645	-25.651	100.538	1.00	0.00	C
ATOM	454	C3'	A A	15	-15.780	-25.783	102.047	1.00	0.00	C
ATOM	455	O3'	A A	15	-14.907	-24.852	102.678	1.00	0.00	O
ATOM	456	C4'	A A	15	-15.362	-27.231	102.301	1.00	0.00	C
ATOM	457	O4'	A A	15	-14.341	-27.494	101.284	1.00	0.00	O
ATOM	458	C5'	A A	15	-16.446	-28.275	102.178	1.00	0.00	C
ATOM	459	O5'	A A	15	-17.354	-27.916	101.105	1.00	0.00	O
ATOM	460	O1P	A A	15	-19.518	-27.450	102.303	1.00	0.00	O

ATOM	461	O2P	A A	15	-19.546	-28.231	99.918	1.00	0.00	O
ATOM	462	P	A A	15	-18.899	-28.282	101.252	1.00	0.00	P
ATOM	463	H2	A A	15	-10.425	-27.295	97.272	1.00	0.00	H
ATOM	464	H8	A A	15	-16.628	-27.796	98.826	1.00	0.00	H
ATOM	465	H1'	A A	15	-13.518	-25.951	100.245	1.00	0.00	H
ATOM	466	H3'	A A	15	-16.802	-25.606	102.383	1.00	0.00	H
ATOM	467	H4'	A A	15	-14.971	-27.273	103.317	1.00	0.00	H
ATOM	468	H61	A A	15	-12.849	-29.531	94.212	1.00	0.00	H
ATOM	469	H62	A A	15	-14.526	-29.552	94.828	1.00	0.00	H
ATOM	470	H2'1	A A	15	-16.543	-25.998	100.027	1.00	0.00	H
ATOM	471	H2'2	A A	15	-15.478	-24.616	100.244	1.00	0.00	H
ATOM	472	H5'1	A A	15	-15.990	-29.241	101.967	1.00	0.00	H
ATOM	473	H5'2	A A	15	-16.993	-28.334	103.117	1.00	0.00	H
ATOM	474	C1'	C A	16	-11.279	-23.057	98.643	1.00	0.00	C
ATOM	475	N1	C A	16	-12.236	-23.699	97.700	1.00	0.00	N
ATOM	476	C2	C A	16	-11.729	-24.230	96.516	1.00	0.00	C
ATOM	477	O2	C A	16	-10.512	-24.146	96.299	1.00	0.00	O
ATOM	478	N3	C A	16	-12.583	-24.818	95.644	1.00	0.00	N
ATOM	479	C4	C A	16	-13.893	-24.892	95.908	1.00	0.00	C
ATOM	480	N4	C A	16	-14.682	-25.482	95.022	1.00	0.00	N
ATOM	481	C5	C A	16	-14.445	-24.350	97.116	1.00	0.00	C
ATOM	482	C6	C A	16	-13.565	-23.766	97.983	1.00	0.00	C
ATOM	483	C2'	C A	16	-11.834	-21.819	99.334	1.00	0.00	C
ATOM	484	C3'	C A	16	-11.207	-21.920	100.716	1.00	0.00	C
ATOM	485	O3'	C A	16	-9.902	-21.350	100.681	1.00	0.00	O
ATOM	486	C4'	C A	16	-11.174	-23.426	100.965	1.00	0.00	C
ATOM	487	O4'	C A	16	-10.956	-24.008	99.641	1.00	0.00	O
ATOM	488	C5'	C A	16	-12.422	-24.036	101.560	1.00	0.00	C
ATOM	489	O5'	C A	16	-13.595	-23.373	101.024	1.00	0.00	O
ATOM	490	O1P	C A	16	-14.581	-22.216	103.031	1.00	0.00	O
ATOM	491	O2P	C A	16	-16.062	-22.905	101.127	1.00	0.00	O
ATOM	492	P	C A	16	-14.872	-23.193	101.964	1.00	0.00	P
ATOM	493	H5	C A	16	-15.514	-24.401	97.332	1.00	0.00	H
ATOM	494	H6	C A	16	-13.935	-23.347	98.918	1.00	0.00	H
ATOM	495	H1'	C A	16	-10.366	-22.822	98.096	1.00	0.00	H
ATOM	496	H3'	C A	16	-11.806	-21.408	101.472	1.00	0.00	H
ATOM	497	H4'	C A	16	-10.353	-23.614	101.656	1.00	0.00	H
ATOM	498	H41	C A	16	-15.695	-25.553	95.202	1.00	0.00	H
ATOM	499	H42	C A	16	-14.285	-25.868	94.153	1.00	0.00	H
ATOM	500	H2'1	C A	16	-12.924	-21.831	99.391	1.00	0.00	H
ATOM	501	H2'2	C A	16	-11.543	-20.897	98.831	1.00	0.00	H
ATOM	502	H5'1	C A	16	-12.453	-25.098	101.316	1.00	0.00	H
ATOM	503	H5'2	C A	16	-12.396	-23.919	102.644	1.00	0.00	H
ATOM	504	C1'	G A	17	-8.520	-20.789	95.215	1.00	0.00	C
ATOM	505	N1	G A	17	-11.886	-22.828	91.969	1.00	0.00	N
ATOM	506	C2	G A	17	-10.508	-22.733	91.877	1.00	0.00	C
ATOM	507	N2	G A	17	-9.955	-23.248	90.771	1.00	0.00	N
ATOM	508	N3	G A	17	-9.745	-22.170	92.811	1.00	0.00	N
ATOM	509	C4	G A	17	-10.473	-21.695	93.856	1.00	0.00	C
ATOM	510	C5	G A	17	-11.846	-21.740	94.032	1.00	0.00	C
ATOM	511	C6	G A	17	-12.658	-22.342	93.042	1.00	0.00	C
ATOM	512	O6	G A	17	-13.881	-22.478	93.017	1.00	0.00	O
ATOM	513	N7	G A	17	-12.199	-21.140	95.242	1.00	0.00	N
ATOM	514	C8	G A	17	-11.055	-20.762	95.752	1.00	0.00	C

ATOM	515	N9	G A	17	-9.960	-21.063	94.967	1.00	0.00	N
ATOM	516	C2'	G A	17	-8.255	-19.448	95.886	1.00	0.00	C
ATOM	517	C3'	G A	17	-7.074	-19.771	96.787	1.00	0.00	C
ATOM	518	O3'	G A	17	-5.868	-19.664	96.034	1.00	0.00	O
ATOM	519	C4'	G A	17	-7.360	-21.208	97.220	1.00	0.00	C
ATOM	520	O4'	G A	17	-8.025	-21.807	96.064	1.00	0.00	O
ATOM	521	C5'	G A	17	-8.244	-21.379	98.432	1.00	0.00	C
ATOM	522	O5'	G A	17	-9.274	-20.360	98.436	1.00	0.00	O
ATOM	523	O1P	G A	17	-8.711	-18.973	100.459	1.00	0.00	O
ATOM	524	O2P	G A	17	-11.082	-19.104	99.648	1.00	0.00	O
ATOM	525	P	G A	17	-9.775	-19.782	99.836	1.00	0.00	P
ATOM	526	H1	G A	17	-12.383	-23.289	91.192	1.00	0.00	H
ATOM	527	H8	G A	17	-10.972	-20.251	96.712	1.00	0.00	H
ATOM	528	H1'	G A	17	-7.990	-20.859	94.264	1.00	0.00	H
ATOM	529	H21	G A	17	-10.551	-23.685	90.054	1.00	0.00	H
ATOM	530	H3'	G A	17	-7.022	-19.103	97.648	1.00	0.00	H
ATOM	531	H22	G A	17	-8.935	-23.207	90.640	1.00	0.00	H
ATOM	532	H4'	G A	17	-6.398	-21.668	97.442	1.00	0.00	H
ATOM	533	H2'1	G A	17	-9.111	-19.101	96.464	1.00	0.00	H
ATOM	534	H2'2	G A	17	-8.006	-18.667	95.168	1.00	0.00	H
ATOM	535	H5'1	G A	17	-8.704	-22.368	98.402	1.00	0.00	H
ATOM	536	H5'2	G A	17	-7.637	-21.296	99.333	1.00	0.00	H
ATOM	537	C1'	G A	18	-7.349	-19.518	90.573	1.00	0.00	C
ATOM	538	N1	G A	18	-12.319	-20.287	89.713	1.00	0.00	N
ATOM	539	C2	G A	18	-11.220	-20.652	88.956	1.00	0.00	C
ATOM	540	N2	G A	18	-11.480	-21.307	87.816	1.00	0.00	N
ATOM	541	N3	G A	18	-9.965	-20.386	89.306	1.00	0.00	N
ATOM	542	C4	G A	18	-9.888	-19.710	90.484	1.00	0.00	C
ATOM	543	C5	G A	18	-10.928	-19.301	91.303	1.00	0.00	C
ATOM	544	C6	G A	18	-12.262	-19.588	90.932	1.00	0.00	C
ATOM	545	O6	G A	18	-13.307	-19.310	91.522	1.00	0.00	O
ATOM	546	N7	G A	18	-10.426	-18.633	92.421	1.00	0.00	N
ATOM	547	C8	G A	18	-9.130	-18.661	92.251	1.00	0.00	C
ATOM	548	N9	G A	18	-8.726	-19.297	91.096	1.00	0.00	N
ATOM	549	C2'	G A	18	-6.406	-18.349	90.815	1.00	0.00	C
ATOM	550	C3'	G A	18	-5.085	-19.056	91.073	1.00	0.00	C
ATOM	551	O3'	G A	18	-4.457	-19.345	89.828	1.00	0.00	O
ATOM	552	C4'	G A	18	-5.516	-20.323	91.810	1.00	0.00	C
ATOM	553	O4'	G A	18	-6.817	-20.653	91.228	1.00	0.00	O
ATOM	554	C5'	G A	18	-5.672	-20.208	93.308	1.00	0.00	C
ATOM	555	O5'	G A	18	-6.209	-18.905	93.647	1.00	0.00	O
ATOM	556	O1P	G A	18	-4.324	-17.808	94.904	1.00	0.00	O
ATOM	557	O2P	G A	18	-6.696	-17.137	95.364	1.00	0.00	O
ATOM	558	P	G A	18	-5.739	-18.211	95.005	1.00	0.00	P
ATOM	559	H1	G A	18	-13.251	-20.548	89.356	1.00	0.00	H
ATOM	560	H8	G A	18	-8.428	-18.219	92.959	1.00	0.00	H
ATOM	561	H1'	G A	18	-7.423	-19.748	89.509	1.00	0.00	H
ATOM	562	H21	G A	18	-12.455	-21.513	87.553	1.00	0.00	H
ATOM	563	H3'	G A	18	-4.413	-18.454	91.687	1.00	0.00	H
ATOM	564	H22	G A	18	-10.706	-21.605	87.208	1.00	0.00	H
ATOM	565	H4'	G A	18	-4.756	-21.078	91.611	1.00	0.00	H
ATOM	566	H2'1	G A	18	-6.707	-17.746	91.671	1.00	0.00	H
ATOM	567	H2'2	G A	18	-6.339	-17.685	89.952	1.00	0.00	H
ATOM	568	H5'1	G A	18	-6.348	-20.988	93.658	1.00	0.00	H

ATOM	569	H5'2	G	A	18	-4.699	-20.341	93.781	1.00	0.00	H
ATOM	570	C1'	T	A	19	-8.355	-18.648	85.805	1.00	0.00	C
ATOM	571	N1	T	A	19	-9.166	-18.000	86.868	1.00	0.00	N
ATOM	572	C2	T	A	19	-10.539	-18.117	86.776	1.00	0.00	C
ATOM	573	O2	T	A	19	-11.088	-18.721	85.870	1.00	0.00	O
ATOM	574	N3	T	A	19	-11.254	-17.500	87.786	1.00	0.00	N
ATOM	575	C4	T	A	19	-10.732	-16.793	88.848	1.00	0.00	C
ATOM	576	O4	T	A	19	-11.475	-16.280	89.692	1.00	0.00	O
ATOM	577	C5	T	A	19	-9.290	-16.723	88.861	1.00	0.00	C
ATOM	578	C6	T	A	19	-8.560	-17.314	87.893	1.00	0.00	C
ATOM	579	C7	T	A	19	-8.678	-15.966	90.001	1.00	0.00	C
ATOM	580	C2'	T	A	19	-7.126	-17.846	85.395	1.00	0.00	C
ATOM	581	C3'	T	A	19	-6.113	-18.942	85.109	1.00	0.00	C
ATOM	582	O3'	T	A	19	-6.291	-19.410	83.774	1.00	0.00	O
ATOM	583	C4'	T	A	19	-6.464	-20.007	86.146	1.00	0.00	C
ATOM	584	O4'	T	A	19	-7.914	-19.898	86.299	1.00	0.00	O
ATOM	585	C5'	T	A	19	-5.821	-19.860	87.506	1.00	0.00	C
ATOM	586	O5'	T	A	19	-5.727	-18.455	87.853	1.00	0.00	O
ATOM	587	O1P	T	A	19	-3.246	-18.031	87.895	1.00	0.00	O
ATOM	588	O2P	T	A	19	-4.783	-16.635	89.305	1.00	0.00	O
ATOM	589	P	T	A	19	-4.477	-17.957	88.708	1.00	0.00	P
ATOM	590	H3	T	A	19	-12.280	-17.578	87.740	1.00	0.00	H
ATOM	591	H6	T	A	19	-7.473	-17.249	87.925	1.00	0.00	H
ATOM	592	H1'	T	A	19	-9.003	-18.835	84.948	1.00	0.00	H
ATOM	593	H3'	T	A	19	-5.087	-18.593	85.236	1.00	0.00	H
ATOM	594	H4'	T	A	19	-6.149	-20.968	85.733	1.00	0.00	H
ATOM	595	H71	T	A	19	-8.177	-15.078	89.620	1.00	0.00	H
ATOM	596	H72	T	A	19	-9.460	-15.669	90.701	1.00	0.00	H
ATOM	597	H73	T	A	19	-7.953	-16.600	90.514	1.00	0.00	H
ATOM	598	H2'1	T	A	19	-6.782	-17.184	86.187	1.00	0.00	H
ATOM	599	H2'2	T	A	19	-7.308	-17.233	84.511	1.00	0.00	H
ATOM	600	H5'1	T	A	19	-6.426	-20.382	88.247	1.00	0.00	H
ATOM	601	H5'2	T	A	19	-4.826	-20.300	87.481	1.00	0.00	H
ATOM	602	C01	LNK	A	20	-5.057	-18.046	80.538	0.00	0.00	C
ATOM	603	O1	LNK	A	20	-5.200	-17.977	81.958	1.00	0.00	O
ATOM	604	S	LNK	A	20	-3.570	-15.866	77.558	0.00	0.00	S
ATOM	605	C02	LNK	A	20	-4.335	-16.783	80.034	0.00	0.00	C
ATOM	606	C03	LNK	A	20	-4.921	-16.365	78.672	0.00	0.00	C
ATOM	607	O1P	LNK	A	20	-7.012	-16.911	83.345	1.00	0.00	O
ATOM	608	O2P	LNK	A	20	-7.611	-18.544	81.535	1.00	0.00	O
ATOM	609	P	LNK	A	20	-6.657	-18.130	82.593	1.00	0.00	P
ATOM	610	H01	LNK	A	20	-6.042	-18.111	80.074	0.00	0.00	H
ATOM	611	H02	LNK	A	20	-4.473	-18.928	80.274	0.00	0.00	H
ATOM	612	H03	LNK	A	20	-5.604	-15.526	78.812	0.00	0.00	H
ATOM	613	H04	LNK	A	20	-3.270	-16.992	79.924	0.00	0.00	H
ATOM	614	H05	LNK	A	20	-4.472	-15.974	80.752	0.00	0.00	H
ATOM	615	H06	LNK	A	20	-5.460	-17.204	78.235	0.00	0.00	H
ATOM	616	AU	LNK	A	20	-3.833	-15.586	76.990			
TER											
ATOM	618	C1'	A	B	2	-19.206	-18.452	86.853	1.00	0.00	C
ATOM	619	N1	A	B	2	-14.195	-17.705	87.669	1.00	0.00	N
ATOM	620	C2	A	B	2	-14.864	-18.351	86.719	1.00	0.00	C
ATOM	621	N3	A	B	2	-16.161	-18.503	86.566	1.00	0.00	N
ATOM	622	C4	A	B	2	-16.823	-17.886	87.563	1.00	0.00	C

ATOM	623	C5	A B	2	-16.289	-17.186	88.607	1.00	0.00	C
ATOM	624	C6	A B	2	-14.881	-17.098	88.650	1.00	0.00	C
ATOM	625	N6	A B	2	-14.215	-16.443	89.615	1.00	0.00	N
ATOM	626	N7	A B	2	-17.280	-16.690	89.436	1.00	0.00	N
ATOM	627	C8	A B	2	-18.382	-17.101	88.884	1.00	0.00	C
ATOM	628	N9	A B	2	-18.183	-17.832	87.741	1.00	0.00	N
ATOM	629	C2'	A B	2	-20.399	-19.030	87.604	1.00	0.00	C
ATOM	630	C3'	A B	2	-21.546	-18.739	86.648	1.00	0.00	C
ATOM	631	O3'	A B	2	-21.615	-19.775	85.671	1.00	0.00	O
ATOM	632	C4'	A B	2	-21.147	-17.396	86.037	1.00	0.00	C
ATOM	633	O4'	A B	2	-19.684	-17.445	85.982	1.00	0.00	O
ATOM	634	C5'	A B	2	-21.561	-16.162	86.803	1.00	0.00	C
ATOM	635	O5'	A B	2	-21.466	-16.413	88.228	1.00	0.00	O
ATOM	636	H2	A B	2	-14.248	-18.824	85.956	1.00	0.00	H
ATOM	637	H8	A B	2	-19.371	-16.888	89.291	1.00	0.00	H
ATOM	638	H1'	A B	2	-18.716	-19.215	86.250	1.00	0.00	H
ATOM	639	H3'	A B	2	-22.502	-18.668	87.167	1.00	0.00	H
ATOM	640	H4'	A B	2	-21.609	-17.348	85.052	1.00	0.00	H
ATOM	641	H61	A B	2	-13.187	-16.406	89.598	1.00	0.00	H
ATOM	642	H62	A B	2	-14.736	-15.976	90.372	1.00	0.00	H
ATOM	643	H2'1	A B	2	-20.555	-18.548	88.568	1.00	0.00	H
ATOM	644	H2'2	A B	2	-20.295	-20.101	87.783	1.00	0.00	H
ATOM	645	H5'1	A B	2	-20.904	-15.336	86.531	1.00	0.00	H
ATOM	646	H5'2	A B	2	-22.586	-15.906	86.541	1.00	0.00	H
ATOM	647	C1'	C B	3	-16.689	-22.646	86.006	1.00	0.00	C
ATOM	648	N1	C B	3	-16.510	-21.904	87.284	1.00	0.00	N
ATOM	649	C2	C B	3	-15.211	-21.601	87.689	1.00	0.00	C
ATOM	650	O2	C B	3	-14.265	-21.959	86.974	1.00	0.00	O
ATOM	651	N3	C B	3	-15.028	-20.927	88.848	1.00	0.00	N
ATOM	652	C4	C B	3	-16.071	-20.554	89.601	1.00	0.00	C
ATOM	653	N4	C B	3	-15.834	-19.893	90.725	1.00	0.00	N
ATOM	654	C5	C B	3	-17.419	-20.855	89.213	1.00	0.00	C
ATOM	655	C6	C B	3	-17.580	-21.532	88.038	1.00	0.00	C
ATOM	656	C2'	C B	3	-17.815	-23.670	86.043	1.00	0.00	C
ATOM	657	C3'	C B	3	-18.370	-23.581	84.630	1.00	0.00	C
ATOM	658	O3'	C B	3	-17.597	-24.415	83.770	1.00	0.00	O
ATOM	659	C4'	C B	3	-18.210	-22.100	84.295	1.00	0.00	C
ATOM	660	O4'	C B	3	-16.990	-21.700	84.999	1.00	0.00	O
ATOM	661	C5'	C B	3	-19.336	-21.189	84.723	1.00	0.00	C
ATOM	662	O5'	C B	3	-19.868	-21.633	85.996	1.00	0.00	O
ATOM	663	O1P	C B	3	-22.206	-22.371	85.425	1.00	0.00	O
ATOM	664	O2P	C B	3	-21.677	-21.558	87.739	1.00	0.00	O
ATOM	665	P	C B	3	-21.426	-21.454	86.281	1.00	0.00	P
ATOM	666	H5	C B	3	-18.271	-20.559	89.826	1.00	0.00	H
ATOM	667	H6	C B	3	-18.586	-21.777	87.697	1.00	0.00	H
ATOM	668	H1'	C B	3	-15.739	-23.118	85.750	1.00	0.00	H
ATOM	669	H3'	C B	3	-19.416	-23.884	84.583	1.00	0.00	H
ATOM	670	H4'	C B	3	-18.119	-22.028	83.211	1.00	0.00	H
ATOM	671	H41	C B	3	-16.619	-19.591	91.321	1.00	0.00	H
ATOM	672	H42	C B	3	-14.864	-19.679	91.003	1.00	0.00	H
ATOM	673	H2'1	C B	3	-18.574	-23.424	86.784	1.00	0.00	H
ATOM	674	H2'2	C B	3	-17.452	-24.675	86.265	1.00	0.00	H
ATOM	675	H5'1	C B	3	-18.957	-20.171	84.817	1.00	0.00	H
ATOM	676	H5'2	C B	3	-20.120	-21.211	83.969	1.00	0.00	H

ATOM	677	C1'	C B	4	-12.870	-25.745	86.592	1.00	0.00	C
ATOM	678	N1	C B	4	-13.585	-25.193	87.774	1.00	0.00	N
ATOM	679	C2	C B	4	-12.825	-24.593	88.776	1.00	0.00	C
ATOM	680	O2	C B	4	-11.595	-24.543	88.643	1.00	0.00	O
ATOM	681	N3	C B	4	-13.456	-24.085	89.861	1.00	0.00	N
ATOM	682	C4	C B	4	-14.790	-24.155	89.978	1.00	0.00	C
ATOM	683	N4	C B	4	-15.357	-23.639	91.059	1.00	0.00	N
ATOM	684	C5	C B	4	-15.598	-24.770	88.966	1.00	0.00	C
ATOM	685	C6	C B	4	-14.939	-25.272	87.878	1.00	0.00	C
ATOM	686	C2'	C B	4	-13.463	-27.045	86.067	1.00	0.00	C
ATOM	687	C3'	C B	4	-13.264	-26.901	84.566	1.00	0.00	C
ATOM	688	O3'	C B	4	-11.947	-27.328	84.225	1.00	0.00	O
ATOM	689	C4'	C B	4	-13.462	-25.404	84.339	1.00	0.00	C
ATOM	690	O4'	C B	4	-12.943	-24.781	85.557	1.00	0.00	O
ATOM	691	C5'	C B	4	-14.884	-24.939	84.128	1.00	0.00	C
ATOM	692	O5'	C B	4	-15.781	-25.714	84.962	1.00	0.00	O
ATOM	693	O1P	C B	4	-17.160	-27.001	83.297	1.00	0.00	O
ATOM	694	O2P	C B	4	-18.113	-26.443	85.551	1.00	0.00	O
ATOM	695	P	C B	4	-17.243	-26.044	84.417	1.00	0.00	P
ATOM	696	H5	C B	4	-16.681	-24.837	89.059	1.00	0.00	H
ATOM	697	H6	C B	4	-15.511	-25.743	87.080	1.00	0.00	H
ATOM	698	H1'	C B	4	-11.820	-25.873	86.857	1.00	0.00	H
ATOM	699	H3'	C B	4	-13.991	-27.484	84.001	1.00	0.00	H
ATOM	700	H4'	C B	4	-12.890	-25.140	83.449	1.00	0.00	H
ATOM	701	H41	C B	4	-16.380	-23.676	91.172	1.00	0.00	H
ATOM	702	H42	C B	4	-14.774	-23.198	91.787	1.00	0.00	H
ATOM	703	H2'1	C B	4	-14.518	-27.151	86.319	1.00	0.00	H
ATOM	704	H2'2	C B	4	-12.944	-27.922	86.453	1.00	0.00	H
ATOM	705	H5'1	C B	4	-14.958	-23.882	84.387	1.00	0.00	H
ATOM	706	H5'2	C B	4	-15.150	-25.071	83.080	1.00	0.00	H
ATOM	707	C1'	G B	5	-9.026	-27.647	89.068	1.00	0.00	C
ATOM	708	N1	G B	5	-11.543	-25.931	93.161	1.00	0.00	N
ATOM	709	C2	G B	5	-10.192	-25.878	92.861	1.00	0.00	C
ATOM	710	N2	G B	5	-9.408	-25.290	93.774	1.00	0.00	N
ATOM	711	N3	G B	5	-9.668	-26.369	91.740	1.00	0.00	N
ATOM	712	C4	G B	5	-10.605	-26.933	90.935	1.00	0.00	C
ATOM	713	C5	G B	5	-11.969	-27.037	91.153	1.00	0.00	C
ATOM	714	C6	G B	5	-12.528	-26.512	92.341	1.00	0.00	C
ATOM	715	O6	G B	5	-13.702	-26.508	92.711	1.00	0.00	O
ATOM	716	N7	G B	5	-12.581	-27.690	90.081	1.00	0.00	N
ATOM	717	C8	G B	5	-11.594	-27.953	89.264	1.00	0.00	C
ATOM	718	N9	G B	5	-10.361	-27.525	89.716	1.00	0.00	N
ATOM	719	C2'	G B	5	-8.822	-28.962	88.328	1.00	0.00	C
ATOM	720	C3'	G B	5	-7.982	-28.529	87.137	1.00	0.00	C
ATOM	721	O3'	G B	5	-6.610	-28.495	87.520	1.00	0.00	O
ATOM	722	C4'	G B	5	-8.529	-27.137	86.824	1.00	0.00	C
ATOM	723	O4'	G B	5	-8.902	-26.595	88.131	1.00	0.00	O
ATOM	724	C5'	G B	5	-9.731	-27.077	85.913	1.00	0.00	C
ATOM	725	O5'	G B	5	-10.606	-28.202	86.181	1.00	0.00	O
ATOM	726	O1P	G B	5	-10.491	-29.550	84.059	1.00	0.00	O
ATOM	727	O2P	G B	5	-12.537	-29.660	85.506	1.00	0.00	O
ATOM	728	P	G B	5	-11.417	-28.849	84.971	1.00	0.00	P
ATOM	729	H1	G B	5	-11.848	-25.515	94.053	1.00	0.00	H
ATOM	730	H8	G B	5	-11.730	-28.466	88.313	1.00	0.00	H

ATOM	731	H1'	G B	5	-8.263	-27.507	89.832	1.00	0.00	H
ATOM	732	H21	G B	5	-9.822	-24.909	94.637	1.00	0.00	H
ATOM	733	H3'	G B	5	-8.103	-29.199	86.286	1.00	0.00	H
ATOM	734	H22	G B	5	-8.394	-25.221	93.613	1.00	0.00	H
ATOM	735	H4'	G B	5	-7.722	-26.580	86.348	1.00	0.00	H
ATOM	736	H2'1	G B	5	-9.764	-29.408	88.008	1.00	0.00	H
ATOM	737	H2'2	G B	5	-8.298	-29.701	88.935	1.00	0.00	H
ATOM	738	H5'1	G B	5	-10.266	-26.144	86.088	1.00	0.00	H
ATOM	739	H5'2	G B	5	-9.397	-27.110	84.876	1.00	0.00	H
ATOM	740	C1'	T B	6	-6.448	-28.716	93.157	1.00	0.00	C
ATOM	741	N1	T B	6	-7.888	-29.078	93.063	1.00	0.00	N
ATOM	742	C2	T B	6	-8.705	-28.684	94.104	1.00	0.00	C
ATOM	743	O2	T B	6	-8.294	-28.066	95.070	1.00	0.00	O
ATOM	744	N3	T B	6	-10.036	-29.041	93.975	1.00	0.00	N
ATOM	745	C4	T B	6	-10.603	-29.739	92.930	1.00	0.00	C
ATOM	746	O4	T B	6	-11.810	-30.005	92.928	1.00	0.00	O
ATOM	747	C5	T B	6	-9.670	-30.107	91.892	1.00	0.00	C
ATOM	748	C6	T B	6	-8.367	-29.776	91.982	1.00	0.00	C
ATOM	749	C7	T B	6	-10.245	-30.867	90.732	1.00	0.00	C
ATOM	750	C2'	T B	6	-5.509	-29.794	92.627	1.00	0.00	C
ATOM	751	C3'	T B	6	-4.401	-28.964	91.998	1.00	0.00	C
ATOM	752	O3'	T B	6	-3.460	-28.597	93.005	1.00	0.00	O
ATOM	753	C4'	T B	6	-5.151	-27.757	91.441	1.00	0.00	C
ATOM	754	O4'	T B	6	-6.247	-27.546	92.388	1.00	0.00	O
ATOM	755	C5'	T B	6	-5.735	-27.909	90.055	1.00	0.00	C
ATOM	756	O5'	T B	6	-6.218	-29.264	89.873	1.00	0.00	O
ATOM	757	O1P	T B	6	-4.694	-30.192	88.098	1.00	0.00	O
ATOM	758	O2P	T B	6	-7.020	-31.097	88.354	1.00	0.00	O
ATOM	759	P	T B	6	-6.110	-29.929	88.428	1.00	0.00	P
ATOM	760	H3	T B	6	-10.668	-28.755	94.738	1.00	0.00	H
ATOM	761	H6	T B	6	-7.682	-30.065	91.184	1.00	0.00	H
ATOM	762	H1'	T B	6	-6.223	-28.478	94.196	1.00	0.00	H
ATOM	763	H3'	T B	6	-3.885	-29.507	91.206	1.00	0.00	H
ATOM	764	H4'	T B	6	-4.444	-26.928	91.415	1.00	0.00	H
ATOM	765	H71	T B	6	-9.825	-31.873	90.713	1.00	0.00	H
ATOM	766	H72	T B	6	-11.328	-30.926	90.838	1.00	0.00	H
ATOM	767	H73	T B	6	-9.997	-30.354	89.802	1.00	0.00	H
ATOM	768	H2'1	T B	6	-5.991	-30.436	91.893	1.00	0.00	H
ATOM	769	H2'2	T B	6	-5.124	-30.433	93.421	1.00	0.00	H
ATOM	770	H5'1	T B	6	-6.557	-27.204	89.932	1.00	0.00	H
ATOM	771	H5'2	T B	6	-4.963	-27.692	89.318	1.00	0.00	H
ATOM	772	C1'	C B	7	-6.010	-29.613	98.022	1.00	0.00	C
ATOM	773	N1	C B	7	-6.999	-30.366	97.199	1.00	0.00	N
ATOM	774	C2	C B	7	-8.316	-30.417	97.651	1.00	0.00	C
ATOM	775	O2	C B	7	-8.609	-29.839	98.707	1.00	0.00	O
ATOM	776	N3	C B	7	-9.233	-31.096	96.918	1.00	0.00	N
ATOM	777	C4	C B	7	-8.885	-31.711	95.780	1.00	0.00	C
ATOM	778	N4	C B	7	-9.822	-32.358	95.103	1.00	0.00	N
ATOM	779	C5	C B	7	-7.536	-31.680	95.295	1.00	0.00	C
ATOM	780	C6	C B	7	-6.632	-30.985	96.046	1.00	0.00	C
ATOM	781	C2'	C B	7	-4.634	-30.263	98.072	1.00	0.00	C
ATOM	782	C3'	C B	7	-3.714	-29.053	98.094	1.00	0.00	C
ATOM	783	O3'	C B	7	-3.579	-28.593	99.436	1.00	0.00	O
ATOM	784	C4'	C B	7	-4.449	-28.050	97.210	1.00	0.00	C

ATOM	785	O4'	C B	7	-5.866	-28.327	97.449	1.00	0.00	O
ATOM	786	C5'	C B	7	-4.183	-28.140	95.724	1.00	0.00	C
ATOM	787	O5'	C B	7	-4.025	-29.529	95.340	1.00	0.00	O
ATOM	788	O1P	C B	7	-1.617	-29.665	94.623	1.00	0.00	O
ATOM	789	O2P	C B	7	-3.304	-31.246	93.654	1.00	0.00	O
ATOM	790	P	C B	7	-3.003	-29.890	94.170	1.00	0.00	P
ATOM	791	H5	C B	7	-7.248	-32.185	94.373	1.00	0.00	H
ATOM	792	H6	C B	7	-5.596	-30.926	95.714	1.00	0.00	H
ATOM	793	H1'	C B	7	-6.422	-29.491	99.023	1.00	0.00	H
ATOM	794	H3'	C B	7	-2.726	-29.283	97.690	1.00	0.00	H
ATOM	795	H4'	C B	7	-4.148	-27.055	97.539	1.00	0.00	H
ATOM	796	H41	C B	7	-9.582	-32.837	94.223	1.00	0.00	H
ATOM	797	H42	C B	7	-10.790	-32.381	95.456	1.00	0.00	H
ATOM	798	H2'1	C B	7	-4.442	-30.892	97.203	1.00	0.00	H
ATOM	799	H2'2	C B	7	-4.501	-30.881	98.959	1.00	0.00	H
ATOM	800	H5'1	C B	7	-5.022	-27.702	95.183	1.00	0.00	H
ATOM	801	H5'2	C B	7	-3.276	-27.588	95.489	1.00	0.00	H
ATOM	802	C1'	C B	8	-7.674	-31.094	102.444	1.00	0.00	C
ATOM	803	N1	C B	8	-7.834	-31.962	101.246	1.00	0.00	N
ATOM	804	C2	C B	8	-9.103	-32.466	100.969	1.00	0.00	C
ATOM	805	O2	C B	8	-10.039	-32.172	101.724	1.00	0.00	O
ATOM	806	N3	C B	8	-9.270	-33.258	99.883	1.00	0.00	N
ATOM	807	C4	C B	8	-8.237	-33.559	99.086	1.00	0.00	C
ATOM	808	N4	C B	8	-8.457	-34.336	98.034	1.00	0.00	N
ATOM	809	C5	C B	8	-6.918	-33.061	99.347	1.00	0.00	C
ATOM	810	C6	C B	8	-6.775	-32.259	100.445	1.00	0.00	C
ATOM	811	C2'	C B	8	-6.366	-31.313	103.193	1.00	0.00	C
ATOM	812	C3'	C B	8	-6.029	-29.907	103.663	1.00	0.00	C
ATOM	813	O3'	C B	8	-6.718	-29.644	104.882	1.00	0.00	O
ATOM	814	C4'	C B	8	-6.534	-29.035	102.514	1.00	0.00	C
ATOM	815	O4'	C B	8	-7.707	-29.748	102.008	1.00	0.00	O
ATOM	816	C5'	C B	8	-5.574	-28.810	101.370	1.00	0.00	C
ATOM	817	O5'	C B	8	-4.801	-30.015	101.135	1.00	0.00	O
ATOM	818	O1P	C B	8	-2.455	-29.328	101.739	1.00	0.00	O
ATOM	819	O2P	C B	8	-2.836	-31.160	100.067	1.00	0.00	O
ATOM	820	P	C B	8	-3.290	-29.873	100.649	1.00	0.00	P
ATOM	821	H5	C B	8	-6.073	-33.308	98.705	1.00	0.00	H
ATOM	822	H6	C B	8	-5.793	-31.849	100.681	1.00	0.00	H
ATOM	823	H1'	C B	8	-8.530	-31.255	103.099	1.00	0.00	H
ATOM	824	H3'	C B	8	-4.958	-29.774	103.816	1.00	0.00	H
ATOM	825	H4'	C B	8	-6.776	-28.062	102.939	1.00	0.00	H
ATOM	826	H41	C B	8	-7.680	-34.581	97.403	1.00	0.00	H
ATOM	827	H42	C B	8	-9.405	-34.696	97.849	1.00	0.00	H
ATOM	828	H2'1	C B	8	-5.584	-31.715	102.549	1.00	0.00	H
ATOM	829	H2'2	C B	8	-6.481	-31.997	104.034	1.00	0.00	H
ATOM	830	H5'1	C B	8	-6.139	-28.556	100.472	1.00	0.00	H
ATOM	831	H5'2	C B	8	-4.906	-27.987	101.619	1.00	0.00	H
ATOM	832	C1'	T B	9	-10.653	-33.657	105.453	1.00	0.00	C
ATOM	833	N1	T B	9	-9.939	-34.344	104.345	1.00	0.00	N
ATOM	834	C2	T B	9	-10.695	-35.130	103.499	1.00	0.00	C
ATOM	835	O2	T B	9	-11.898	-35.272	103.633	1.00	0.00	O
ATOM	836	N3	T B	9	-9.993	-35.749	102.483	1.00	0.00	N
ATOM	837	C4	T B	9	-8.638	-35.656	102.247	1.00	0.00	C
ATOM	838	O4	T B	9	-8.117	-36.262	101.303	1.00	0.00	O

ATOM	839	C5	T B	9	-7.931	-34.812	103.182	1.00	0.00	C
ATOM	840	C6	T B	9	-8.584	-34.193	104.184	1.00	0.00	C
ATOM	841	C7	T B	9	-6.454	-34.681	102.960	1.00	0.00	C
ATOM	842	C2'	T B	9	-9.860	-33.600	106.754	1.00	0.00	C
ATOM	843	C3'	T B	9	-10.261	-32.243	107.312	1.00	0.00	C
ATOM	844	O3'	T B	9	-11.485	-32.376	108.030	1.00	0.00	O
ATOM	845	C4'	T B	9	-10.416	-31.392	106.055	1.00	0.00	C
ATOM	846	O4'	T B	9	-10.911	-32.327	105.044	1.00	0.00	O
ATOM	847	C5'	T B	9	-9.163	-30.731	105.531	1.00	0.00	C
ATOM	848	O5'	T B	9	-8.027	-31.613	105.724	1.00	0.00	O
ATOM	849	O1P	T B	9	-6.610	-30.381	107.398	1.00	0.00	O
ATOM	850	O2P	T B	9	-5.542	-31.972	105.778	1.00	0.00	O
ATOM	851	P	T B	9	-6.604	-30.972	106.044	1.00	0.00	P
ATOM	852	H3	T B	9	-10.535	-36.338	101.836	1.00	0.00	H
ATOM	853	H6	T B	9	-8.029	-33.561	104.877	1.00	0.00	H
ATOM	854	H1'	T B	9	-11.612	-34.153	105.603	1.00	0.00	H
ATOM	855	H3'	T B	9	-9.497	-31.834	107.972	1.00	0.00	H
ATOM	856	H4'	T B	9	-11.133	-30.604	106.293	1.00	0.00	H
ATOM	857	H71	T B	9	-5.918	-35.131	103.796	1.00	0.00	H
ATOM	858	H72	T B	9	-6.177	-35.189	102.036	1.00	0.00	H
ATOM	859	H73	T B	9	-6.189	-33.626	102.886	1.00	0.00	H
ATOM	860	H2'1	T B	9	-8.785	-33.658	106.586	1.00	0.00	H
ATOM	861	H2'2	T B	9	-10.128	-34.406	107.437	1.00	0.00	H
ATOM	862	H5'1	T B	9	-9.287	-30.517	104.469	1.00	0.00	H
ATOM	863	H5'2	T B	9	-9.000	-29.799	106.068	1.00	0.00	H
ATOM	864	C1'	A B	10	-13.683	-37.429	106.558	1.00	0.00	C
ATOM	865	N1	A B	10	-11.072	-39.870	102.876	1.00	0.00	N
ATOM	866	C2	A B	10	-12.367	-39.819	103.177	1.00	0.00	C
ATOM	867	N3	A B	10	-12.974	-39.164	104.142	1.00	0.00	N
ATOM	868	C4	A B	10	-12.080	-38.484	104.881	1.00	0.00	C
ATOM	869	C5	A B	10	-10.724	-38.432	104.705	1.00	0.00	C
ATOM	870	C6	A B	10	-10.203	-39.179	103.629	1.00	0.00	C
ATOM	871	N6	A B	10	-8.892	-39.222	103.336	1.00	0.00	N
ATOM	872	N7	A B	10	-10.128	-37.625	105.659	1.00	0.00	N
ATOM	873	C8	A B	10	-11.124	-37.214	106.386	1.00	0.00	C
ATOM	874	N9	A B	10	-12.340	-37.692	105.972	1.00	0.00	N
ATOM	875	C2'	A B	10	-13.681	-37.347	108.078	1.00	0.00	C
ATOM	876	C3'	A B	10	-14.727	-36.275	108.341	1.00	0.00	C
ATOM	877	O3'	A B	10	-16.021	-36.874	108.341	1.00	0.00	O
ATOM	878	C4'	A B	10	-14.535	-35.319	107.163	1.00	0.00	C
ATOM	879	O4'	A B	10	-14.137	-36.187	106.054	1.00	0.00	O
ATOM	880	C5'	A B	10	-13.488	-34.244	107.336	1.00	0.00	C
ATOM	881	O5'	A B	10	-12.364	-34.770	108.087	1.00	0.00	O
ATOM	882	O1P	A B	10	-12.431	-33.454	110.232	1.00	0.00	O
ATOM	883	O2P	A B	10	-10.255	-34.383	109.397	1.00	0.00	O
ATOM	884	P	A B	10	-11.579	-33.796	109.077	1.00	0.00	P
ATOM	885	H2	A B	10	-13.017	-40.405	102.529	1.00	0.00	H
ATOM	886	H8	A B	10	-11.004	-36.554	107.245	1.00	0.00	H
ATOM	887	H1'	A B	10	-14.365	-38.204	106.210	1.00	0.00	H
ATOM	888	H3'	A B	10	-14.563	-35.767	109.290	1.00	0.00	H
ATOM	889	H4'	A B	10	-15.493	-34.827	106.996	1.00	0.00	H
ATOM	890	H61	A B	10	-8.563	-39.782	102.537	1.00	0.00	H
ATOM	891	H62	A B	10	-8.217	-38.697	103.909	1.00	0.00	H
ATOM	892	H2'1	A B	10	-12.709	-37.057	108.478	1.00	0.00	H

ATOM	893	H2'2	A B	10	-13.959	-38.293	108.545	1.00	0.00	H
ATOM	894	H5'1	A B	10	-13.150	-33.912	106.354	1.00	0.00	H
ATOM	895	H5'2	A B	10	-13.925	-33.401	107.869	1.00	0.00	H
ATOM	896	C1'	G B	11	-15.405	-42.053	106.014	1.00	0.00	C
ATOM	897	N1	G B	11	-10.723	-42.997	104.220	1.00	0.00	N
ATOM	898	C2	G B	11	-11.956	-43.424	103.756	1.00	0.00	C
ATOM	899	N2	G B	11	-11.937	-44.208	102.671	1.00	0.00	N
ATOM	900	N3	G B	11	-13.113	-43.093	104.328	1.00	0.00	N
ATOM	901	C4	G B	11	-12.942	-42.301	105.418	1.00	0.00	C
ATOM	902	C5	G B	11	-11.755	-41.830	105.955	1.00	0.00	C
ATOM	903	C6	G B	11	-10.527	-42.176	105.347	1.00	0.00	C
ATOM	904	O6	G B	11	-9.382	-41.860	105.672	1.00	0.00	O
ATOM	905	N7	G B	11	-12.013	-41.045	107.081	1.00	0.00	N
ATOM	906	C8	G B	11	-13.317	-41.062	107.187	1.00	0.00	C
ATOM	907	N9	G B	11	-13.952	-41.805	106.213	1.00	0.00	N
ATOM	908	C2'	G B	11	-16.181	-42.226	107.312	1.00	0.00	C
ATOM	909	C3'	G B	11	-17.511	-41.570	106.977	1.00	0.00	C
ATOM	910	O3'	G B	11	-18.346	-42.518	106.316	1.00	0.00	O
ATOM	911	C4'	G B	11	-17.102	-40.421	106.058	1.00	0.00	C
ATOM	912	O4'	G B	11	-15.943	-40.939	105.329	1.00	0.00	O
ATOM	913	C5'	G B	11	-16.711	-39.128	106.733	1.00	0.00	C
ATOM	914	O5'	G B	11	-16.003	-39.413	107.965	1.00	0.00	O
ATOM	915	O1P	G B	11	-17.557	-38.546	109.744	1.00	0.00	O
ATOM	916	O2P	G B	11	-15.087	-38.638	110.172	1.00	0.00	O
ATOM	917	P	G B	11	-16.191	-38.426	109.204	1.00	0.00	P
ATOM	918	H1	G B	11	-9.887	-43.303	103.700	1.00	0.00	H
ATOM	919	H8	G B	11	-13.855	-40.536	107.975	1.00	0.00	H
ATOM	920	H1'	G B	11	-15.518	-42.927	105.372	1.00	0.00	H
ATOM	921	H21	G B	11	-11.039	-44.456	102.231	1.00	0.00	H
ATOM	922	H3'	G B	11	-18.020	-41.199	107.866	1.00	0.00	H
ATOM	923	H22	G B	11	-12.820	-44.563	102.277	1.00	0.00	H
ATOM	924	H4'	G B	11	-17.954	-40.214	105.410	1.00	0.00	H
ATOM	925	H2'1	G B	11	-15.696	-41.731	108.153	1.00	0.00	H
ATOM	926	H2'2	G B	11	-16.312	-43.274	107.580	1.00	0.00	H
ATOM	927	H5'1	G B	11	-16.070	-38.555	106.064	1.00	0.00	H
ATOM	928	H5'2	G B	11	-17.610	-38.552	106.949	1.00	0.00	H
ATOM	929	C1'	G B	12	-15.032	-46.826	104.744	1.00	0.00	C
ATOM	930	N1	G B	12	-10.054	-46.069	105.577	1.00	0.00	N
ATOM	931	C2	G B	12	-10.691	-46.758	104.559	1.00	0.00	C
ATOM	932	N2	G B	12	-9.895	-47.323	103.642	1.00	0.00	N
ATOM	933	N3	G B	12	-12.014	-46.874	104.463	1.00	0.00	N
ATOM	934	C4	G B	12	-12.662	-46.248	105.481	1.00	0.00	C
ATOM	935	C5	G B	12	-12.113	-45.542	106.537	1.00	0.00	C
ATOM	936	C6	G B	12	-10.710	-45.415	106.637	1.00	0.00	C
ATOM	937	O6	G B	12	-10.041	-44.835	107.494	1.00	0.00	O
ATOM	938	N7	G B	12	-13.124	-45.053	107.368	1.00	0.00	N
ATOM	939	C8	G B	12	-14.227	-45.465	106.800	1.00	0.00	C
ATOM	940	N9	G B	12	-14.028	-46.199	105.648	1.00	0.00	N
ATOM	941	C2'	G B	12	-16.229	-47.418	105.474	1.00	0.00	C
ATOM	942	C3'	G B	12	-17.365	-47.135	104.503	1.00	0.00	C
ATOM	943	O3'	G B	12	-17.411	-48.169	103.523	1.00	0.00	O
ATOM	944	C4'	G B	12	-16.970	-45.787	103.903	1.00	0.00	C
ATOM	945	O4'	G B	12	-15.508	-45.822	103.867	1.00	0.00	O
ATOM	946	C5'	G B	12	-17.405	-44.559	104.667	1.00	0.00	C

ATOM	947	O5'	G B	12	-17.328	-44.814	106.092	1.00	0.00	O
ATOM	948	O1P	G B	12	-19.733	-44.729	106.828	1.00	0.00	O
ATOM	949	O2P	G B	12	-17.904	-44.162	108.450	1.00	0.00	O
ATOM	950	P	G B	12	-18.403	-44.132	107.053	1.00	0.00	P
ATOM	951	H1	G B	12	-9.024	-46.033	105.555	1.00	0.00	H
ATOM	952	H8	G B	12	-15.219	-45.249	107.200	1.00	0.00	H
ATOM	953	H1'	G B	12	-14.525	-47.581	104.145	1.00	0.00	H
ATOM	954	H21	G B	12	-8.872	-47.226	103.720	1.00	0.00	H
ATOM	955	H3'	G B	12	-18.328	-47.073	105.008	1.00	0.00	H
ATOM	956	H22	G B	12	-10.306	-47.853	102.861	1.00	0.00	H
ATOM	957	H4'	G B	12	-17.418	-45.738	102.912	1.00	0.00	H
ATOM	958	H2'1	G B	12	-16.403	-46.941	106.439	1.00	0.00	H
ATOM	959	H2'2	G B	12	-16.117	-48.488	105.653	1.00	0.00	H
ATOM	960	H5'1	G B	12	-16.752	-43.726	104.407	1.00	0.00	H
ATOM	961	H5'2	G B	12	-18.430	-44.311	104.391	1.00	0.00	H
ATOM	962	C1'	T B	13	-12.559	-51.027	103.889	1.00	0.00	C
ATOM	963	N1	T B	13	-12.358	-50.287	105.163	1.00	0.00	N
ATOM	964	C2	T B	13	-11.057	-50.006	105.531	1.00	0.00	C
ATOM	965	O2	T B	13	-10.096	-50.340	104.860	1.00	0.00	O
ATOM	966	N3	T B	13	-10.917	-49.316	106.721	1.00	0.00	N
ATOM	967	C4	T B	13	-11.934	-48.898	107.554	1.00	0.00	C
ATOM	968	O4	T B	13	-11.685	-48.288	108.600	1.00	0.00	O
ATOM	969	C5	T B	13	-13.258	-49.236	107.085	1.00	0.00	C
ATOM	970	C6	T B	13	-13.432	-49.906	105.929	1.00	0.00	C
ATOM	971	C7	T B	13	-14.396	-48.797	107.958	1.00	0.00	C
ATOM	972	C2'	T B	13	-13.695	-52.041	103.939	1.00	0.00	C
ATOM	973	C3'	T B	13	-14.267	-51.948	102.533	1.00	0.00	C
ATOM	974	O3'	T B	13	-13.513	-52.791	101.665	1.00	0.00	O
ATOM	975	C4'	T B	13	-14.096	-50.470	102.195	1.00	0.00	C
ATOM	976	O4'	T B	13	-12.865	-50.081	102.883	1.00	0.00	O
ATOM	977	C5'	T B	13	-15.208	-49.546	102.636	1.00	0.00	C
ATOM	978	O5'	T B	13	-15.730	-49.984	103.916	1.00	0.00	O
ATOM	979	O1P	T B	13	-18.079	-50.700	103.375	1.00	0.00	O
ATOM	980	O2P	T B	13	-17.515	-49.889	105.681	1.00	0.00	O
ATOM	981	P	T B	13	-17.282	-49.790	104.220	1.00	0.00	P
ATOM	982	H3	T B	13	-9.955	-49.092	107.016	1.00	0.00	H
ATOM	983	H6	T B	13	-14.441	-50.150	105.597	1.00	0.00	H
ATOM	984	H1'	T B	13	-11.618	-51.508	103.621	1.00	0.00	H
ATOM	985	H3'	T B	13	-15.316	-52.242	102.500	1.00	0.00	H
ATOM	986	H4'	T B	13	-14.018	-50.400	101.109	1.00	0.00	H
ATOM	987	H71	T B	13	-14.903	-49.672	108.362	1.00	0.00	H
ATOM	988	H72	T B	13	-14.011	-48.189	108.779	1.00	0.00	H
ATOM	989	H73	T B	13	-15.100	-48.207	107.370	1.00	0.00	H
ATOM	990	H2'1	T B	13	-14.442	-51.786	104.690	1.00	0.00	H
ATOM	991	H2'2	T B	13	-13.341	-53.049	104.159	1.00	0.00	H
ATOM	992	H5'1	T B	13	-14.819	-48.532	102.724	1.00	0.00	H
ATOM	993	H5'2	T B	13	-16.003	-49.562	101.892	1.00	0.00	H
ATOM	994	C1'	G B	14	-8.720	-54.119	104.484	1.00	0.00	C
ATOM	995	N1	G B	14	-8.191	-51.719	108.955	1.00	0.00	N
ATOM	996	C2	G B	14	-7.231	-52.111	108.039	1.00	0.00	C
ATOM	997	N2	G B	14	-5.963	-51.828	108.356	1.00	0.00	N
ATOM	998	N3	G B	14	-7.516	-52.735	106.897	1.00	0.00	N
ATOM	999	C4	G B	14	-8.850	-52.947	106.742	1.00	0.00	C
ATOM	1000	C5	G B	14	-9.877	-52.596	107.602	1.00	0.00	C

ATOM	1001	C6	G B	14	-9.577	-51.930	108.813	1.00	0.00	C
ATOM	1002	O6	G B	14	-10.343	-51.542	109.696	1.00	0.00	O
ATOM	1003	N7	G B	14	-11.107	-52.996	107.074	1.00	0.00	N
ATOM	1004	C8	G B	14	-10.793	-53.560	105.937	1.00	0.00	C
ATOM	1005	N9	G B	14	-9.440	-53.570	105.665	1.00	0.00	N
ATOM	1006	C2'	G B	14	-9.311	-55.418	103.954	1.00	0.00	C
ATOM	1007	C3'	G B	14	-9.105	-55.271	102.454	1.00	0.00	C
ATOM	1008	O3'	G B	14	-7.787	-55.699	102.119	1.00	0.00	O
ATOM	1009	C4'	G B	14	-9.302	-53.773	102.230	1.00	0.00	C
ATOM	1010	O4'	G B	14	-8.787	-53.155	103.451	1.00	0.00	O
ATOM	1011	C5'	G B	14	-10.722	-53.308	102.012	1.00	0.00	C
ATOM	1012	O5'	G B	14	-11.625	-54.081	102.842	1.00	0.00	O
ATOM	1013	O1P	G B	14	-12.998	-55.365	101.168	1.00	0.00	O
ATOM	1014	O2P	G B	14	-13.959	-54.811	103.418	1.00	0.00	O
ATOM	1015	P	G B	14	-13.084	-54.410	102.288	1.00	0.00	P
ATOM	1016	H1	G B	14	-7.867	-51.235	109.807	1.00	0.00	H
ATOM	1017	H8	G B	14	-11.537	-53.986	105.262	1.00	0.00	H
ATOM	1018	H1'	G B	14	-7.672	-54.248	104.753	1.00	0.00	H
ATOM	1019	H21	G B	14	-5.751	-51.341	109.241	1.00	0.00	H
ATOM	1020	H3'	G B	14	-9.830	-55.853	101.884	1.00	0.00	H
ATOM	1021	H22	G B	14	-5.200	-52.096	107.719	1.00	0.00	H
ATOM	1022	H4'	G B	14	-8.725	-53.508	101.343	1.00	0.00	H
ATOM	1023	H2'1	G B	14	-10.367	-55.523	104.201	1.00	0.00	H
ATOM	1024	H2'2	G B	14	-8.796	-56.296	104.341	1.00	0.00	H
ATOM	1025	H5'1	G B	14	-10.796	-52.252	102.274	1.00	0.00	H
ATOM	1026	H5'2	G B	14	-10.984	-53.437	100.962	1.00	0.00	H
ATOM	1027	C1'	C B	15	-4.875	-56.021	106.960	1.00	0.00	C
ATOM	1028	N1	C B	15	-6.207	-55.896	107.611	1.00	0.00	N
ATOM	1029	C2	C B	15	-6.271	-55.265	108.852	1.00	0.00	C
ATOM	1030	O2	C B	15	-5.224	-54.838	109.358	1.00	0.00	O
ATOM	1031	N3	C B	15	-7.475	-55.139	109.462	1.00	0.00	N
ATOM	1032	C4	C B	15	-8.588	-55.613	108.889	1.00	0.00	C
ATOM	1033	N4	C B	15	-9.739	-55.460	109.527	1.00	0.00	N
ATOM	1034	C5	C B	15	-8.554	-56.271	107.614	1.00	0.00	C
ATOM	1035	C6	C B	15	-7.331	-56.380	107.018	1.00	0.00	C
ATOM	1036	C2'	C B	15	-4.674	-57.339	106.224	1.00	0.00	C
ATOM	1037	C3'	C B	15	-3.838	-56.910	105.028	1.00	0.00	C
ATOM	1038	O3'	C B	15	-2.463	-56.875	105.405	1.00	0.00	O
ATOM	1039	C4'	C B	15	-4.384	-55.519	104.712	1.00	0.00	C
ATOM	1040	O4'	C B	15	-4.755	-54.972	106.018	1.00	0.00	O
ATOM	1041	C5'	C B	15	-5.592	-55.462	103.805	1.00	0.00	C
ATOM	1042	O5'	C B	15	-6.465	-56.585	104.080	1.00	0.00	O
ATOM	1043	O1P	C B	15	-6.358	-57.941	101.963	1.00	0.00	O
ATOM	1044	O2P	C B	15	-8.400	-58.046	103.417	1.00	0.00	O
ATOM	1045	P	C B	15	-7.281	-57.237	102.876	1.00	0.00	P
ATOM	1046	H5	C B	15	-9.458	-56.662	107.148	1.00	0.00	H
ATOM	1047	H6	C B	15	-7.255	-56.867	106.045	1.00	0.00	H
ATOM	1048	H1'	C B	15	-4.108	-55.878	107.722	1.00	0.00	H
ATOM	1049	H3'	C B	15	-3.963	-57.582	104.180	1.00	0.00	H
ATOM	1050	H4'	C B	15	-3.580	-54.964	104.230	1.00	0.00	H
ATOM	1051	H41	C B	15	-10.613	-55.812	109.108	1.00	0.00	H
ATOM	1052	H42	C B	15	-9.761	-54.989	110.444	1.00	0.00	H
ATOM	1053	H2'1	C B	15	-5.616	-57.785	105.909	1.00	0.00	H
ATOM	1054	H2'2	C B	15	-4.149	-58.077	106.832	1.00	0.00	H

ATOM	1055	H5'1	C	B	15	-6.126	-54.527	103.978	1.00	0.00	H
ATOM	1056	H5'2	C	B	15	-5.261	-55.499	102.767	1.00	0.00	H
ATOM	1057	C1'	G	B	16	-2.317	-57.086	111.063	1.00	0.00	C
ATOM	1058	N1	G	B	16	-6.896	-56.842	113.300	1.00	0.00	N
ATOM	1059	C2	G	B	16	-5.673	-56.352	113.723	1.00	0.00	C
ATOM	1060	N2	G	B	16	-5.670	-55.711	114.899	1.00	0.00	N
ATOM	1061	N3	G	B	16	-4.545	-56.487	113.028	1.00	0.00	N
ATOM	1062	C4	G	B	16	-4.732	-57.166	111.866	1.00	0.00	C
ATOM	1063	C5	G	B	16	-5.910	-57.695	111.365	1.00	0.00	C
ATOM	1064	C6	G	B	16	-7.109	-57.548	112.102	1.00	0.00	C
ATOM	1065	O6	G	B	16	-8.243	-57.945	111.825	1.00	0.00	O
ATOM	1066	N7	G	B	16	-5.676	-58.321	110.140	1.00	0.00	N
ATOM	1067	C8	G	B	16	-4.393	-58.153	109.938	1.00	0.00	C
ATOM	1068	N9	G	B	16	-3.751	-57.461	110.945	1.00	0.00	N
ATOM	1069	C2'	G	B	16	-1.359	-58.151	110.545	1.00	0.00	C
ATOM	1070	C3'	G	B	16	-0.248	-57.310	109.937	1.00	0.00	C
ATOM	1071	O3'	G	B	16	0.671	-56.939	110.961	1.00	0.00	O
ATOM	1072	C4'	G	B	16	-1.002	-56.107	109.373	1.00	0.00	C
ATOM	1073	O4'	G	B	16	-2.114	-55.910	110.304	1.00	0.00	O
ATOM	1074	C5'	G	B	16	-1.560	-56.258	107.978	1.00	0.00	C
ATOM	1075	O5'	G	B	16	-2.027	-57.616	107.781	1.00	0.00	O
ATOM	1076	O1P	G	B	16	-0.468	-58.522	106.027	1.00	0.00	O
ATOM	1077	O2P	G	B	16	-2.788	-59.449	106.241	1.00	0.00	O
ATOM	1078	P	G	B	16	-1.888	-58.274	106.335	1.00	0.00	P
ATOM	1079	H1	G	B	16	-7.710	-56.679	113.909	1.00	0.00	H
ATOM	1080	H8	G	B	16	-3.878	-58.527	109.054	1.00	0.00	H
ATOM	1081	H1'	G	B	16	-2.110	-56.850	112.108	1.00	0.00	H
ATOM	1082	H21	G	B	16	-6.547	-55.608	115.430	1.00	0.00	H
ATOM	1083	H3'	G	B	16	0.285	-57.844	109.151	1.00	0.00	H
ATOM	1084	H22	G	B	16	-4.792	-55.325	115.270	1.00	0.00	H
ATOM	1085	H4'	G	B	16	-0.302	-55.271	109.364	1.00	0.00	H
ATOM	1086	H2'1	G	B	16	-1.823	-58.795	109.798	1.00	0.00	H
ATOM	1087	H2'2	G	B	16	-0.982	-58.791	111.343	1.00	0.00	H
ATOM	1088	H5'1	G	B	16	-2.387	-55.561	107.846	1.00	0.00	H
ATOM	1089	H5'2	G	B	16	-0.778	-56.029	107.254	1.00	0.00	H
ATOM	1090	C1'	G	B	17	-1.860	-57.988	115.912	1.00	0.00	C
ATOM	1091	N1	G	B	17	-6.734	-59.445	115.520	1.00	0.00	N
ATOM	1092	C2	G	B	17	-6.108	-58.691	116.498	1.00	0.00	C
ATOM	1093	N2	G	B	17	-6.883	-58.273	117.505	1.00	0.00	N
ATOM	1094	N3	G	B	17	-4.813	-58.381	116.471	1.00	0.00	N
ATOM	1095	C4	G	B	17	-4.182	-58.896	115.383	1.00	0.00	C
ATOM	1096	C5	G	B	17	-4.721	-59.658	114.362	1.00	0.00	C
ATOM	1097	C6	G	B	17	-6.096	-59.985	114.387	1.00	0.00	C
ATOM	1098	O6	G	B	17	-6.752	-60.645	113.582	1.00	0.00	O
ATOM	1099	N7	G	B	17	-3.735	-59.987	113.431	1.00	0.00	N
ATOM	1100	C8	G	B	17	-2.653	-59.424	113.903	1.00	0.00	C
ATOM	1101	N9	G	B	17	-2.844	-58.743	115.088	1.00	0.00	N
ATOM	1102	C2'	G	B	17	-0.482	-58.634	115.962	1.00	0.00	C
ATOM	1103	C3'	G	B	17	0.435	-57.420	115.990	1.00	0.00	C
ATOM	1104	O3'	G	B	17	0.567	-56.962	117.333	1.00	0.00	O
ATOM	1105	C4'	G	B	17	-0.303	-56.416	115.107	1.00	0.00	C
ATOM	1106	O4'	G	B	17	-1.719	-56.702	115.344	1.00	0.00	O
ATOM	1107	C5'	G	B	17	-0.036	-56.502	113.623	1.00	0.00	C
ATOM	1108	O5'	G	B	17	0.128	-57.889	113.234	1.00	0.00	O

ATOM	1109	O1P	G B	17	2.539	-58.013	112.521	1.00	0.00	O
ATOM	1110	O2P	G B	17	0.859	-59.599	111.542	1.00	0.00	O
ATOM	1111	P	G B	17	1.154	-58.243	112.065	1.00	0.00	P
ATOM	1112	H1	G B	17	-7.744	-59.624	115.632	1.00	0.00	H
ATOM	1113	H8	G B	17	-1.685	-59.487	113.408	1.00	0.00	H
ATOM	1114	H1'	G B	17	-2.273	-57.870	116.913	1.00	0.00	H
ATOM	1115	H21	G B	17	-7.885	-58.513	117.518	1.00	0.00	H
ATOM	1116	H3'	G B	17	1.423	-57.646	115.587	1.00	0.00	H
ATOM	1117	H22	G B	17	-6.477	-57.709	118.266	1.00	0.00	H
ATOM	1118	H4'	G B	17	-0.007	-55.423	115.441	1.00	0.00	H
ATOM	1119	H2'1	G B	17	-0.286	-59.259	115.092	1.00	0.00	H
ATOM	1120	H2'2	G B	17	-0.347	-59.253	116.848	1.00	0.00	H
ATOM	1121	H5'1	G B	17	-0.874	-56.065	113.081	1.00	0.00	H
ATOM	1122	H5'2	G B	17	0.871	-55.945	113.390	1.00	0.00	H
ATOM	1123	C1'	C B	18	-3.523	-59.468	120.336	1.00	0.00	C
ATOM	1124	N1	C B	18	-3.683	-60.337	119.137	1.00	0.00	N
ATOM	1125	C2	C B	18	-4.953	-60.839	118.860	1.00	0.00	C
ATOM	1126	O2	C B	18	-5.889	-60.546	119.615	1.00	0.00	O
ATOM	1127	N3	C B	18	-5.119	-61.632	117.774	1.00	0.00	N
ATOM	1128	C4	C B	18	-4.085	-61.932	116.977	1.00	0.00	C
ATOM	1129	N4	C B	18	-4.305	-62.710	115.928	1.00	0.00	N
ATOM	1130	C5	C B	18	-2.769	-61.432	117.240	1.00	0.00	C
ATOM	1131	C6	C B	18	-2.626	-60.634	118.336	1.00	0.00	C
ATOM	1132	C2'	C B	18	-2.216	-59.688	121.084	1.00	0.00	C
ATOM	1133	C3'	C B	18	-1.878	-58.282	121.554	1.00	0.00	C
ATOM	1134	O3'	C B	18	-2.568	-58.019	122.774	1.00	0.00	O
ATOM	1135	C4'	C B	18	-2.384	-57.410	120.406	1.00	0.00	C
ATOM	1136	O4'	C B	18	-3.557	-58.123	119.899	1.00	0.00	O
ATOM	1137	C5'	C B	18	-1.424	-57.185	119.261	1.00	0.00	C
ATOM	1138	O5'	C B	18	-0.651	-58.390	119.027	1.00	0.00	O
ATOM	1139	O1P	C B	18	1.695	-57.702	119.630	1.00	0.00	O
ATOM	1140	O2P	C B	18	1.316	-59.535	117.957	1.00	0.00	O
ATOM	1141	P	C B	18	0.861	-58.248	118.540	1.00	0.00	P
ATOM	1142	H5	C B	18	-1.925	-61.676	116.595	1.00	0.00	H
ATOM	1143	H6	C B	18	-1.644	-60.227	118.575	1.00	0.00	H
ATOM	1144	H1'	C B	18	-4.380	-59.630	120.990	1.00	0.00	H
ATOM	1145	H3'	C B	18	-0.808	-58.148	121.707	1.00	0.00	H
ATOM	1146	H4'	C B	18	-2.627	-56.436	120.830	1.00	0.00	H
ATOM	1147	H41	C B	18	-3.527	-62.955	115.297	1.00	0.00	H
ATOM	1148	H42	C B	18	-5.252	-63.069	115.741	1.00	0.00	H
ATOM	1149	H2'1	C B	18	-1.434	-60.089	120.441	1.00	0.00	H
ATOM	1150	H2'2	C B	18	-2.331	-60.372	121.925	1.00	0.00	H
ATOM	1151	H5'1	C B	18	-1.989	-56.930	118.364	1.00	0.00	H
ATOM	1152	H5'2	C B	18	-0.756	-56.362	119.510	1.00	0.00	H
ATOM	1153	C1'	C B	19	-6.512	-62.044	123.329	1.00	0.00	C
ATOM	1154	N1	C B	19	-5.779	-62.722	122.226	1.00	0.00	N
ATOM	1155	C2	C B	19	-6.510	-63.523	121.350	1.00	0.00	C
ATOM	1156	O2	C B	19	-7.731	-63.637	121.523	1.00	0.00	O
ATOM	1157	N3	C B	19	-5.859	-64.148	120.340	1.00	0.00	N
ATOM	1158	C4	C B	19	-4.537	-64.005	120.179	1.00	0.00	C
ATOM	1159	N4	C B	19	-3.954	-64.638	119.174	1.00	0.00	N
ATOM	1160	C5	C B	19	-3.763	-63.191	121.065	1.00	0.00	C
ATOM	1161	C6	C B	19	-4.437	-62.570	122.073	1.00	0.00	C
ATOM	1162	C2'	C B	19	-5.737	-61.989	124.637	1.00	0.00	C

ATOM	1	C1'	A A	1	-21.819	-39.614	138.635	1.00	0.00	C
ATOM	2	N1	A A	1	-17.534	-37.427	140.422	1.00	0.00	N
ATOM	3	C2	A A	1	-18.805	-37.036	140.414	1.00	0.00	C
ATOM	4	N3	A A	1	-19.866	-37.653	139.937	1.00	0.00	N
ATOM	5	C4	A A	1	-19.515	-38.834	139.397	1.00	0.00	C
ATOM	6	C5	A A	1	-18.262	-39.375	139.324	1.00	0.00	C
ATOM	7	C6	A A	1	-17.214	-38.609	139.877	1.00	0.00	C
ATOM	8	N6	A A	1	-15.931	-39.013	139.878	1.00	0.00	N
ATOM	9	N7	A A	1	-18.286	-40.609	138.698	1.00	0.00	N
ATOM	10	C8	A A	1	-19.541	-40.785	138.405	1.00	0.00	C
ATOM	11	N9	A A	1	-20.347	-39.749	138.800	1.00	0.00	N
ATOM	12	C2'	A A	1	-22.340	-40.162	137.314	1.00	0.00	C
ATOM	13	C3'	A A	1	-23.689	-40.736	137.721	1.00	0.00	C
ATOM	14	O3'	A A	1	-24.663	-39.696	137.709	1.00	0.00	O
ATOM	15	C4'	A A	1	-23.423	-41.263	139.130	1.00	0.00	C
ATOM	16	O4'	A A	1	-22.438	-40.332	139.683	1.00	0.00	O
ATOM	17	C5'	A A	1	-22.871	-42.666	139.228	1.00	0.00	C
ATOM	18	O5'	A A	1	-21.953	-42.910	138.132	1.00	0.00	O
ATOM	19	H2	A A	1	-18.997	-36.065	140.868	1.00	0.00	H
ATOM	20	H8	A A	1	-19.917	-41.672	137.896	1.00	0.00	H
ATOM	21	H1'	A A	1	-22.078	-38.561	138.751	1.00	0.00	H
ATOM	22	H3'	A A	1	-24.009	-41.538	137.054	1.00	0.00	H
ATOM	23	H4'	A A	1	-24.375	-41.242	139.659	1.00	0.00	H
ATOM	24	H61	A A	1	-15.206	-38.417	140.295	1.00	0.00	H
ATOM	25	H62	A A	1	-15.679	-39.921	139.461	1.00	0.00	H
ATOM	26	H5T	A A	1	-21.903	-43.793	137.760	1.00	0.00	H
ATOM	27	H2'1	A A	1	-21.691	-40.932	136.900	1.00	0.00	H
ATOM	28	H2'2	A A	1	-22.453	-39.385	136.558	1.00	0.00	H
ATOM	29	H5'1	A A	1	-22.349	-42.778	140.178	1.00	0.00	H
ATOM	30	H5'2	A A	1	-23.693	-43.378	139.184	1.00	0.00	H
ATOM	31	C1'	G A	2	-21.761	-34.777	137.511	1.00	0.00	C
ATOM	32	N1	G A	2	-16.702	-35.316	137.861	1.00	0.00	N
ATOM	33	C2	G A	2	-17.519	-34.303	138.323	1.00	0.00	C
ATOM	34	N2	G A	2	-16.909	-33.299	138.963	1.00	0.00	N
ATOM	35	N3	G A	2	-18.841	-34.291	138.163	1.00	0.00	N
ATOM	36	C4	G A	2	-19.289	-35.384	137.487	1.00	0.00	C
ATOM	37	C5	G A	2	-18.547	-36.441	136.986	1.00	0.00	C
ATOM	38	C6	G A	2	-17.143	-36.454	137.162	1.00	0.00	C
ATOM	39	O6	G A	2	-16.324	-37.296	136.795	1.00	0.00	O
ATOM	40	N7	G A	2	-19.385	-37.363	136.355	1.00	0.00	N
ATOM	41	C8	G A	2	-20.581	-36.848	136.494	1.00	0.00	C
ATOM	42	N9	G A	2	-20.603	-35.645	137.170	1.00	0.00	N
ATOM	43	C2'	G A	2	-22.828	-34.719	136.425	1.00	0.00	C
ATOM	44	C3'	G A	2	-24.107	-34.633	137.238	1.00	0.00	C
ATOM	45	O3'	G A	2	-24.348	-33.272	137.589	1.00	0.00	O
ATOM	46	C4'	G A	2	-23.793	-35.496	138.460	1.00	0.00	C
ATOM	47	O4'	G A	2	-22.361	-35.297	138.682	1.00	0.00	O
ATOM	48	C5'	G A	2	-24.060	-36.976	138.321	1.00	0.00	C
ATOM	49	O5'	G A	2	-23.741	-37.409	136.976	1.00	0.00	O
ATOM	50	O1P	G A	2	-25.979	-38.076	136.034	1.00	0.00	O
ATOM	51	O2P	G A	2	-23.881	-39.140	135.161	1.00	0.00	O
ATOM	52	P	G A	2	-24.616	-38.568	136.315	1.00	0.00	P
ATOM	53	H1	G A	2	-15.691	-35.230	138.041	1.00	0.00	H
ATOM	54	H8	G A	2	-21.480	-37.327	136.108	1.00	0.00	H

ATOM	55	H1'	G A	2	-21.385	-33.780	137.741	1.00	0.00	H
ATOM	56	H21	G A	2	-15.886	-33.314	139.086	1.00	0.00	H
ATOM	57	H3'	G A	2	-24.967	-35.023	136.692	1.00	0.00	H
ATOM	58	H22	G A	2	-17.462	-32.512	139.331	1.00	0.00	H
ATOM	59	H4'	G A	2	-24.407	-35.122	139.278	1.00	0.00	H
ATOM	60	H2'1	G A	2	-22.819	-35.607	135.791	1.00	0.00	H
ATOM	61	H2'2	G A	2	-22.709	-33.852	135.775	1.00	0.00	H
ATOM	62	H5'1	G A	2	-23.445	-37.519	139.038	1.00	0.00	H
ATOM	63	H5'2	G A	2	-25.112	-37.171	138.533	1.00	0.00	H
ATOM	64	C1'	G A	3	-19.549	-30.443	136.589	1.00	0.00	C
ATOM	65	N1	G A	3	-15.604	-33.387	135.252	1.00	0.00	N
ATOM	66	C2	G A	3	-15.628	-32.220	135.991	1.00	0.00	C
ATOM	67	N2	G A	3	-14.444	-31.774	136.429	1.00	0.00	N
ATOM	68	N3	G A	3	-16.743	-31.548	136.269	1.00	0.00	N
ATOM	69	C4	G A	3	-17.847	-32.139	135.740	1.00	0.00	C
ATOM	70	C5	G A	3	-17.917	-33.301	134.989	1.00	0.00	C
ATOM	71	C6	G A	3	-16.734	-34.016	134.697	1.00	0.00	C
ATOM	72	O6	G A	3	-16.593	-35.057	134.054	1.00	0.00	O
ATOM	73	N7	G A	3	-19.242	-33.567	134.636	1.00	0.00	N
ATOM	74	C8	G A	3	-19.917	-32.584	135.173	1.00	0.00	C
ATOM	75	N9	G A	3	-19.139	-31.675	135.859	1.00	0.00	N
ATOM	76	C2'	G A	3	-20.674	-29.675	135.912	1.00	0.00	C
ATOM	77	C3'	G A	3	-21.461	-29.149	137.101	1.00	0.00	C
ATOM	78	O3'	G A	3	-20.864	-27.936	137.557	1.00	0.00	O
ATOM	79	C4'	G A	3	-21.326	-30.276	138.124	1.00	0.00	C
ATOM	80	O4'	G A	3	-19.996	-30.832	137.874	1.00	0.00	O
ATOM	81	C5'	G A	3	-22.342	-31.391	138.030	1.00	0.00	C
ATOM	82	O5'	G A	3	-22.659	-31.650	136.639	1.00	0.00	O
ATOM	83	O1P	G A	3	-25.076	-30.971	136.456	1.00	0.00	O
ATOM	84	O2P	G A	3	-24.142	-32.713	134.911	1.00	0.00	O
ATOM	85	P	G A	3	-24.143	-32.097	136.261	1.00	0.00	P
ATOM	86	H1	G A	3	-14.686	-33.832	135.096	1.00	0.00	H
ATOM	87	H8	G A	3	-20.998	-32.490	135.086	1.00	0.00	H
ATOM	88	H1'	G A	3	-18.667	-29.814	136.718	1.00	0.00	H
ATOM	89	H21	G A	3	-13.584	-32.300	136.212	1.00	0.00	H
ATOM	90	H3'	G A	3	-22.506	-28.965	136.852	1.00	0.00	H
ATOM	91	H22	G A	3	-14.394	-30.908	136.983	1.00	0.00	H
ATOM	92	H4'	G A	3	-21.419	-29.822	139.110	1.00	0.00	H
ATOM	93	H2'1	G A	3	-21.291	-30.315	135.281	1.00	0.00	H
ATOM	94	H2'2	G A	3	-20.303	-28.861	135.288	1.00	0.00	H
ATOM	95	H5'1	G A	3	-21.930	-32.289	138.489	1.00	0.00	H
ATOM	96	H5'2	G A	3	-23.245	-31.097	138.565	1.00	0.00	H
ATOM	97	C1'	C A	4	-15.755	-27.606	135.144	1.00	0.00	C
ATOM	98	N1	C A	4	-16.241	-28.717	134.278	1.00	0.00	N
ATOM	99	C2	C A	4	-15.303	-29.634	133.810	1.00	0.00	C
ATOM	100	O2	C A	4	-14.116	-29.491	134.127	1.00	0.00	O
ATOM	101	N3	C A	4	-15.726	-30.652	133.022	1.00	0.00	N
ATOM	102	C4	C A	4	-17.017	-30.780	132.695	1.00	0.00	C
ATOM	103	N4	C A	4	-17.374	-31.797	131.924	1.00	0.00	N
ATOM	104	C5	C A	4	-18.002	-29.850	133.162	1.00	0.00	C
ATOM	105	C6	C A	4	-17.556	-28.834	133.956	1.00	0.00	C
ATOM	106	C2'	C A	4	-16.458	-26.279	134.891	1.00	0.00	C
ATOM	107	C3'	C A	4	-16.523	-25.683	136.290	1.00	0.00	C
ATOM	108	O3'	C A	4	-15.295	-25.014	136.570	1.00	0.00	O

ATOM	109	C4'	C A	4	-16.726	-26.911	137.173	1.00	0.00	C
ATOM	110	O4'	C A	4	-15.989	-27.975	136.491	1.00	0.00	O
ATOM	111	C5'	C A	4	-18.153	-27.365	137.373	1.00	0.00	C
ATOM	112	O5'	C A	4	-18.907	-27.168	136.149	1.00	0.00	O
ATOM	113	O1P	C A	4	-20.584	-25.399	136.776	1.00	0.00	O
ATOM	114	O2P	C A	4	-21.113	-27.039	134.954	1.00	0.00	O
ATOM	115	P	C A	4	-20.448	-26.772	136.252	1.00	0.00	P
ATOM	116	H5	C A	4	-19.054	-29.948	132.894	1.00	0.00	H
ATOM	117	H6	C A	4	-18.268	-28.104	134.340	1.00	0.00	H
ATOM	118	H1'	C A	4	-14.679	-27.511	135.004	1.00	0.00	H
ATOM	119	H3'	C A	4	-17.349	-24.980	136.395	1.00	0.00	H
ATOM	120	H4'	C A	4	-16.315	-26.668	138.152	1.00	0.00	H
ATOM	121	H41	C A	4	-18.363	-31.920	131.657	1.00	0.00	H
ATOM	122	H42	C A	4	-16.665	-32.465	131.589	1.00	0.00	H
ATOM	123	H2'1	C A	4	-17.454	-26.411	134.471	1.00	0.00	H
ATOM	124	H2'2	C A	4	-15.898	-25.637	134.210	1.00	0.00	H
ATOM	125	H5'1	C A	4	-18.159	-28.421	137.643	1.00	0.00	H
ATOM	126	H5'2	C A	4	-18.603	-26.787	138.180	1.00	0.00	H
ATOM	127	C1'	C A	5	-11.581	-26.700	132.638	1.00	0.00	C
ATOM	128	N1	C A	5	-12.775	-27.251	131.942	1.00	0.00	N
ATOM	129	C2	C A	5	-12.606	-28.393	131.162	1.00	0.00	C
ATOM	130	O2	C A	5	-11.479	-28.901	131.079	1.00	0.00	O
ATOM	131	N3	C A	5	-13.682	-28.912	130.520	1.00	0.00	N
ATOM	132	C4	C A	5	-14.888	-28.342	130.627	1.00	0.00	C
ATOM	133	N4	C A	5	-15.905	-28.892	129.981	1.00	0.00	N
ATOM	134	C5	C A	5	-15.091	-27.166	131.420	1.00	0.00	C
ATOM	135	C6	C A	5	-13.995	-26.664	132.060	1.00	0.00	C
ATOM	136	C2'	C A	5	-11.539	-25.179	132.673	1.00	0.00	C
ATOM	137	C3'	C A	5	-10.918	-24.911	134.035	1.00	0.00	C
ATOM	138	O3'	C A	5	-9.497	-24.978	133.922	1.00	0.00	O
ATOM	139	C4'	C A	5	-11.483	-26.038	134.894	1.00	0.00	C
ATOM	140	O4'	C A	5	-11.607	-27.168	133.974	1.00	0.00	O
ATOM	141	C5'	C A	5	-12.828	-25.785	135.534	1.00	0.00	C
ATOM	142	O5'	C A	5	-13.664	-25.018	134.630	1.00	0.00	O
ATOM	143	O1P	C A	5	-13.958	-22.824	135.828	1.00	0.00	O
ATOM	144	O2P	C A	5	-15.714	-23.623	134.224	1.00	0.00	O
ATOM	145	P	C A	5	-14.691	-23.964	135.243	1.00	0.00	P
ATOM	146	H5	C A	5	-16.071	-26.694	131.507	1.00	0.00	H
ATOM	147	H6	C A	5	-14.100	-25.772	132.680	1.00	0.00	H
ATOM	148	H1'	C A	5	-10.690	-27.106	132.158	1.00	0.00	H
ATOM	149	H3'	C A	5	-11.202	-23.934	134.428	1.00	0.00	H
ATOM	150	H4'	C A	5	-10.764	-26.216	135.695	1.00	0.00	H
ATOM	151	H41	C A	5	-16.845	-28.474	130.048	1.00	0.00	H
ATOM	152	H42	C A	5	-15.757	-29.736	129.411	1.00	0.00	H
ATOM	153	H2'1	C A	5	-12.530	-24.735	132.596	1.00	0.00	H
ATOM	154	H2'2	C A	5	-10.930	-24.763	131.868	1.00	0.00	H
ATOM	155	H5'1	C A	5	-13.305	-26.741	135.754	1.00	0.00	H
ATOM	156	H5'2	C A	5	-12.685	-25.233	136.462	1.00	0.00	H
ATOM	157	C1'	G A	6	-8.368	-27.427	128.940	1.00	0.00	C
ATOM	158	N1	G A	6	-12.479	-29.157	126.463	1.00	0.00	N
ATOM	159	C2	G A	6	-11.191	-29.663	126.508	1.00	0.00	C
ATOM	160	N2	G A	6	-10.969	-30.775	125.799	1.00	0.00	N
ATOM	161	N3	G A	6	-10.205	-29.102	127.207	1.00	0.00	N
ATOM	162	C4	G A	6	-10.607	-27.980	127.858	1.00	0.00	C

ATOM	163	C5	G A	6	-11.866	-27.401	127.868	1.00	0.00	C
ATOM	164	C6	G A	6	-12.914	-27.997	127.131	1.00	0.00	C
ATOM	165	O6	G A	6	-14.085	-27.636	127.015	1.00	0.00	O
ATOM	166	N7	G A	6	-11.863	-26.253	128.662	1.00	0.00	N
ATOM	167	C8	G A	6	-10.633	-26.175	129.101	1.00	0.00	C
ATOM	168	N9	G A	6	-9.810	-27.189	128.656	1.00	0.00	N
ATOM	169	C2'	G A	6	-7.539	-26.152	129.014	1.00	0.00	C
ATOM	170	C3'	G A	6	-6.534	-26.491	130.104	1.00	0.00	C
ATOM	171	O3'	G A	6	-5.441	-27.204	129.530	1.00	0.00	O
ATOM	172	C4'	G A	6	-7.350	-27.357	131.062	1.00	0.00	C
ATOM	173	O4'	G A	6	-8.277	-28.080	130.191	1.00	0.00	O
ATOM	174	C5'	G A	6	-8.146	-26.626	132.115	1.00	0.00	C
ATOM	175	O5'	G A	6	-8.670	-25.390	131.566	1.00	0.00	O
ATOM	176	O1P	G A	6	-7.460	-23.614	132.874	1.00	0.00	O
ATOM	177	O2P	G A	6	-9.726	-23.136	131.909	1.00	0.00	O
ATOM	178	P	G A	6	-8.800	-24.120	132.521	1.00	0.00	P
ATOM	179	H1	G A	6	-13.172	-29.672	125.897	1.00	0.00	H
ATOM	180	H8	G A	6	-10.287	-25.379	129.761	1.00	0.00	H
ATOM	181	H1'	G A	6	-7.978	-28.103	128.178	1.00	0.00	H
ATOM	182	H21	G A	6	-11.737	-31.205	125.263	1.00	0.00	H
ATOM	183	H3'	G A	6	-6.157	-25.598	130.605	1.00	0.00	H
ATOM	184	H22	G A	6	-10.031	-31.200	125.788	1.00	0.00	H
ATOM	185	H4'	G A	6	-6.646	-28.014	131.572	1.00	0.00	H
ATOM	186	H2'1	G A	6	-8.140	-25.283	129.284	1.00	0.00	H
ATOM	187	H2'2	G A	6	-7.042	-25.926	128.071	1.00	0.00	H
ATOM	188	H5'1	G A	6	-8.969	-27.259	132.446	1.00	0.00	H
ATOM	189	H5'2	G A	6	-7.501	-26.407	132.965	1.00	0.00	H
ATOM	190	C1'	C A	7	-7.091	-28.861	124.374	1.00	0.00	C
ATOM	191	N1	C A	7	-8.224	-27.916	124.581	1.00	0.00	N
ATOM	192	C2	C A	7	-9.443	-28.220	123.979	1.00	0.00	C
ATOM	193	O2	C A	7	-9.535	-29.252	123.301	1.00	0.00	O
ATOM	194	N3	C A	7	-10.487	-27.374	124.155	1.00	0.00	N
ATOM	195	C4	C A	7	-10.358	-26.264	124.893	1.00	0.00	C
ATOM	196	N4	C A	7	-11.411	-25.474	125.034	1.00	0.00	N
ATOM	197	C5	C A	7	-9.114	-25.924	125.520	1.00	0.00	C
ATOM	198	C6	C A	7	-8.076	-26.794	125.333	1.00	0.00	C
ATOM	199	C2'	C A	7	-5.741	-28.174	124.215	1.00	0.00	C
ATOM	200	C3'	C A	7	-4.806	-29.151	124.909	1.00	0.00	C
ATOM	201	O3'	C A	7	-4.429	-30.173	123.988	1.00	0.00	O
ATOM	202	C4'	C A	7	-5.664	-29.690	126.051	1.00	0.00	C
ATOM	203	O4'	C A	7	-7.022	-29.704	125.509	1.00	0.00	O
ATOM	204	C5'	C A	7	-5.663	-28.884	127.330	1.00	0.00	C
ATOM	205	O5'	C A	7	-5.603	-27.470	127.017	1.00	0.00	O
ATOM	206	O1P	C A	7	-3.360	-26.768	127.917	1.00	0.00	O
ATOM	207	O2P	C A	7	-5.225	-25.098	127.753	1.00	0.00	O
ATOM	208	P	C A	7	-4.809	-26.499	128.002	1.00	0.00	P
ATOM	209	H5	C A	7	-9.001	-25.018	126.117	1.00	0.00	H
ATOM	210	H6	C A	7	-7.113	-26.583	125.797	1.00	0.00	H
ATOM	211	H1'	C A	7	-7.319	-29.481	123.508	1.00	0.00	H
ATOM	212	H3'	C A	7	-3.910	-28.657	125.288	1.00	0.00	H
ATOM	213	H4'	C A	7	-5.288	-30.686	126.287	1.00	0.00	H
ATOM	214	H41	C A	7	-11.340	-24.614	125.598	1.00	0.00	H
ATOM	215	H42	C A	7	-12.304	-25.717	124.580	1.00	0.00	H
ATOM	216	H2'1	C A	7	-5.717	-27.194	124.691	1.00	0.00	H

ATOM	217	H2'2	C	A	7	-5.467	-28.036	123.168	1.00	0.00	H
ATOM	218	H5'1	C	A	7	-6.573	-29.100	127.890	1.00	0.00	H
ATOM	219	H5'2	C	A	7	-4.798	-29.165	127.930	1.00	0.00	H
ATOM	220	C1'	A	A	8	-7.966	-29.817	119.597	1.00	0.00	C
ATOM	221	N1	A	A	8	-11.788	-26.447	120.213	1.00	0.00	N
ATOM	222	C2	A	A	8	-11.715	-27.618	119.588	1.00	0.00	C
ATOM	223	N3	A	A	8	-10.695	-28.442	119.469	1.00	0.00	N
ATOM	224	C4	A	A	8	-9.616	-27.939	120.098	1.00	0.00	C
ATOM	225	C5	A	A	8	-9.526	-26.758	120.781	1.00	0.00	C
ATOM	226	C6	A	A	8	-10.696	-25.973	120.832	1.00	0.00	C
ATOM	227	N6	A	A	8	-10.757	-24.789	121.467	1.00	0.00	N
ATOM	228	N7	A	A	8	-8.254	-26.575	121.297	1.00	0.00	N
ATOM	229	C8	A	A	8	-7.607	-27.637	120.916	1.00	0.00	C
ATOM	230	N9	A	A	8	-8.371	-28.512	120.185	1.00	0.00	N
ATOM	231	C2'	A	A	8	-6.547	-29.828	119.044	1.00	0.00	C
ATOM	232	C3'	A	A	8	-6.091	-31.241	119.368	1.00	0.00	C
ATOM	233	O3'	A	A	8	-6.533	-32.122	118.339	1.00	0.00	O
ATOM	234	C4'	A	A	8	-6.779	-31.523	120.703	1.00	0.00	C
ATOM	235	O4'	A	A	8	-8.046	-30.793	120.617	1.00	0.00	O
ATOM	236	C5'	A	A	8	-6.045	-31.075	121.944	1.00	0.00	C
ATOM	237	O5'	A	A	8	-5.362	-29.822	121.684	1.00	0.00	O
ATOM	238	O1P	A	A	8	-2.928	-30.441	121.851	1.00	0.00	O
ATOM	239	O2P	A	A	8	-3.664	-28.095	122.351	1.00	0.00	O
ATOM	240	P	A	A	8	-3.964	-29.546	122.402	1.00	0.00	P
ATOM	241	H2	A	A	8	-12.633	-27.945	119.104	1.00	0.00	H
ATOM	242	H8	A	A	8	-6.559	-27.817	121.153	1.00	0.00	H
ATOM	243	H1'	A	A	8	-8.688	-30.080	118.824	1.00	0.00	H
ATOM	244	H3'	A	A	8	-5.008	-31.310	119.463	1.00	0.00	H
ATOM	245	H4'	A	A	8	-6.914	-32.602	120.768	1.00	0.00	H
ATOM	246	H61	A	A	8	-11.637	-24.256	121.477	1.00	0.00	H
ATOM	247	H62	A	A	8	-9.922	-24.417	121.943	1.00	0.00	H
ATOM	248	H2'1	A	A	8	-5.911	-29.086	119.525	1.00	0.00	H
ATOM	249	H2'2	A	A	8	-6.520	-29.638	117.972	1.00	0.00	H
ATOM	250	H5'1	A	A	8	-6.762	-30.941	122.754	1.00	0.00	H
ATOM	251	H5'2	A	A	8	-5.321	-31.836	122.228	1.00	0.00	H
ATOM	252	C1'	C	A	9	-10.465	-29.256	115.341	1.00	0.00	C
ATOM	253	N1	C	A	9	-9.950	-28.067	116.075	1.00	0.00	N
ATOM	254	C2	C	A	9	-10.840	-27.030	116.346	1.00	0.00	C
ATOM	255	O2	C	A	9	-12.014	-27.138	115.967	1.00	0.00	O
ATOM	256	N3	C	A	9	-10.390	-25.940	117.012	1.00	0.00	N
ATOM	257	C4	C	A	9	-9.114	-25.851	117.407	1.00	0.00	C
ATOM	258	N4	C	A	9	-8.729	-24.763	118.058	1.00	0.00	N
ATOM	259	C5	C	A	9	-8.173	-26.901	117.140	1.00	0.00	C
ATOM	260	C6	C	A	9	-8.650	-27.993	116.470	1.00	0.00	C
ATOM	261	C2'	C	A	9	-9.473	-29.839	114.346	1.00	0.00	C
ATOM	262	C3'	C	A	9	-9.756	-31.331	114.452	1.00	0.00	C
ATOM	263	O3'	C	A	9	-10.852	-31.661	113.603	1.00	0.00	O
ATOM	264	C4'	C	A	9	-10.097	-31.506	115.930	1.00	0.00	C
ATOM	265	O4'	C	A	9	-10.763	-30.256	116.299	1.00	0.00	O
ATOM	266	C5'	C	A	9	-8.934	-31.728	116.867	1.00	0.00	C
ATOM	267	O5'	C	A	9	-7.797	-30.939	116.431	1.00	0.00	O
ATOM	268	O1P	C	A	9	-6.108	-32.677	115.752	1.00	0.00	O
ATOM	269	O2P	C	A	9	-5.339	-30.423	116.544	1.00	0.00	O
ATOM	270	P	C	A	9	-6.329	-31.524	116.647	1.00	0.00	P

ATOM	271	H5	C A	9	-7.131	-26.830	117.454	1.00	0.00	H
ATOM	272	H6	C A	9	-7.976	-28.820	116.251	1.00	0.00	H
ATOM	273	H1'	C A	9	-11.395	-28.976	114.849	1.00	0.00	H
ATOM	274	H3'	C A	9	-8.889	-31.931	114.174	1.00	0.00	H
ATOM	275	H4'	C A	9	-10.753	-32.374	116.003	1.00	0.00	H
ATOM	276	H41	C A	9	-7.752	-24.671	118.375	1.00	0.00	H
ATOM	277	H42	C A	9	-9.405	-24.009	118.247	1.00	0.00	H
ATOM	278	H2'1	C A	9	-8.441	-29.613	114.607	1.00	0.00	H
ATOM	279	H2'2	C A	9	-9.642	-29.474	113.331	1.00	0.00	H
ATOM	280	H5'1	C A	9	-9.223	-31.431	117.876	1.00	0.00	H
ATOM	281	H5'2	C A	9	-8.671	-32.785	116.866	1.00	0.00	H
ATOM	282	C1'	C A	10	-13.322	-26.773	112.148	1.00	0.00	C
ATOM	283	N1	C A	10	-12.097	-26.144	112.713	1.00	0.00	N
ATOM	284	C2	C A	10	-12.220	-24.883	113.294	1.00	0.00	C
ATOM	285	O2	C A	10	-13.333	-24.341	113.316	1.00	0.00	O
ATOM	286	N3	C A	10	-11.117	-24.293	113.814	1.00	0.00	N
ATOM	287	C4	C A	10	-9.925	-24.903	113.774	1.00	0.00	C
ATOM	288	N4	C A	10	-8.879	-24.281	114.301	1.00	0.00	N
ATOM	289	C5	C A	10	-9.768	-26.198	113.180	1.00	0.00	C
ATOM	290	C6	C A	10	-10.894	-26.776	112.666	1.00	0.00	C
ATOM	291	C2'	C A	10	-13.074	-27.552	110.864	1.00	0.00	C
ATOM	292	C3'	C A	10	-14.045	-28.715	111.007	1.00	0.00	C
ATOM	293	O3'	C A	10	-15.333	-28.310	110.550	1.00	0.00	O
ATOM	294	C4'	C A	10	-14.025	-28.991	112.509	1.00	0.00	C
ATOM	295	O4'	C A	10	-13.828	-27.675	113.115	1.00	0.00	O
ATOM	296	C5'	C A	10	-12.941	-29.919	113.007	1.00	0.00	C
ATOM	297	O5'	C A	10	-11.723	-29.701	112.251	1.00	0.00	O
ATOM	298	O1P	C A	10	-11.417	-31.862	111.000	1.00	0.00	O
ATOM	299	O2P	C A	10	-9.423	-30.453	111.574	1.00	0.00	O
ATOM	300	P	C A	10	-10.770	-30.944	111.957	1.00	0.00	P
ATOM	301	H5	C A	10	-8.799	-26.697	113.139	1.00	0.00	H
ATOM	302	H6	C A	10	-10.826	-27.764	112.211	1.00	0.00	H
ATOM	303	H1'	C A	10	-14.067	-25.993	111.995	1.00	0.00	H
ATOM	304	H3'	C A	10	-13.719	-29.589	110.441	1.00	0.00	H
ATOM	305	H4'	C A	10	-14.986	-29.438	112.761	1.00	0.00	H
ATOM	306	H41	C A	10	-7.952	-24.730	114.286	1.00	0.00	H
ATOM	307	H42	C A	10	-8.995	-23.349	114.725	1.00	0.00	H
ATOM	308	H2'1	C A	10	-12.047	-27.902	110.782	1.00	0.00	H
ATOM	309	H2'2	C A	10	-13.292	-26.961	109.973	1.00	0.00	H
ATOM	310	H5'1	C A	10	-12.759	-29.723	114.065	1.00	0.00	H
ATOM	311	H5'2	C A	10	-13.270	-30.950	112.885	1.00	0.00	H
ATOM	312	C1'	T A	11	-15.233	-22.675	110.136	1.00	0.00	C
ATOM	313	N1	T A	11	-13.761	-22.808	110.301	1.00	0.00	N
ATOM	314	C2	T A	11	-13.100	-21.772	110.929	1.00	0.00	C
ATOM	315	O2	T A	11	-13.673	-20.777	111.340	1.00	0.00	O
ATOM	316	N3	T A	11	-11.734	-21.936	111.062	1.00	0.00	N
ATOM	317	C4	T A	11	-10.992	-23.017	110.630	1.00	0.00	C
ATOM	318	O4	T A	11	-9.766	-23.052	110.804	1.00	0.00	O
ATOM	319	C5	T A	11	-11.769	-24.049	109.987	1.00	0.00	C
ATOM	320	C6	T A	11	-13.102	-23.922	109.841	1.00	0.00	C
ATOM	321	C7	T A	11	-11.001	-25.245	109.505	1.00	0.00	C
ATOM	322	C2'	T A	11	-15.755	-23.222	108.814	1.00	0.00	C
ATOM	323	C3'	T A	11	-17.101	-23.801	109.219	1.00	0.00	C
ATOM	324	O3'	T A	11	-18.080	-22.764	109.211	1.00	0.00	O

ATOM	325	C4'	T A	11	-16.834	-24.331	110.625	1.00	0.00	C
ATOM	326	O4'	T A	11	-15.852	-23.398	111.182	1.00	0.00	O
ATOM	327	C5'	T A	11	-16.277	-25.733	110.722	1.00	0.00	C
ATOM	328	O5'	T A	11	-15.359	-25.970	109.625	1.00	0.00	O
ATOM	329	O1P	T A	11	-16.517	-27.746	108.269	1.00	0.00	O
ATOM	330	O2P	T A	11	-14.015	-27.566	108.224	1.00	0.00	O
ATOM	331	P	T A	11	-15.273	-27.434	108.999	1.00	0.00	P
ATOM	332	H3	T A	11	-11.218	-21.179	111.531	1.00	0.00	H
ATOM	333	H6	T A	11	-13.668	-24.715	109.351	1.00	0.00	H
ATOM	334	H1'	T A	11	-15.496	-21.623	110.254	1.00	0.00	H
ATOM	335	H3'	T A	11	-17.419	-24.600	108.551	1.00	0.00	H
ATOM	336	H4'	T A	11	-17.786	-24.314	111.158	1.00	0.00	H
ATOM	337	H71	T A	11	-11.045	-25.289	108.417	1.00	0.00	H
ATOM	338	H72	T A	11	-9.962	-25.162	109.824	1.00	0.00	H
ATOM	339	H73	T A	11	-11.439	-26.152	109.922	1.00	0.00	H
ATOM	340	H2'1	T A	11	-15.103	-23.988	108.398	1.00	0.00	H
ATOM	341	H2'2	T A	11	-15.868	-22.442	108.059	1.00	0.00	H
ATOM	342	H5'1	T A	11	-15.754	-25.846	111.671	1.00	0.00	H
ATOM	343	H5'2	T A	11	-17.098	-26.447	110.675	1.00	0.00	H
ATOM	344	C1'	A A	12	-15.201	-17.842	109.008	1.00	0.00	C
ATOM	345	N1	A A	12	-10.107	-18.360	109.373	1.00	0.00	N
ATOM	346	C2	A A	12	-10.947	-17.420	109.792	1.00	0.00	C
ATOM	347	N3	A A	12	-12.257	-17.349	109.667	1.00	0.00	N
ATOM	348	C4	A A	12	-12.718	-18.423	109.002	1.00	0.00	C
ATOM	349	C5	A A	12	-11.993	-19.470	108.507	1.00	0.00	C
ATOM	350	C6	A A	12	-10.599	-19.421	108.714	1.00	0.00	C
ATOM	351	N6	A A	12	-9.759	-20.379	108.283	1.00	0.00	N
ATOM	352	N7	A A	12	-12.813	-20.394	107.883	1.00	0.00	N
ATOM	353	C8	A A	12	-14.005	-19.889	108.008	1.00	0.00	C
ATOM	354	N9	A A	12	-14.025	-18.693	108.679	1.00	0.00	N
ATOM	355	C2'	A A	12	-16.257	-17.806	107.911	1.00	0.00	C
ATOM	356	C3'	A A	12	-17.546	-17.735	108.714	1.00	0.00	C
ATOM	357	O3'	A A	12	-17.808	-16.375	109.057	1.00	0.00	O
ATOM	358	C4'	A A	12	-17.229	-18.588	109.942	1.00	0.00	C
ATOM	359	O4'	A A	12	-15.801	-18.368	110.175	1.00	0.00	O
ATOM	360	C5'	A A	12	-17.474	-20.072	109.808	1.00	0.00	C
ATOM	361	O5'	A A	12	-17.137	-20.506	108.465	1.00	0.00	O
ATOM	362	O1P	A A	12	-19.356	-21.209	107.508	1.00	0.00	O
ATOM	363	O2P	A A	12	-17.236	-22.247	106.655	1.00	0.00	O
ATOM	364	P	A A	12	-17.988	-21.680	107.802	1.00	0.00	P
ATOM	365	H2	A A	12	-10.485	-16.584	110.318	1.00	0.00	H
ATOM	366	H8	A A	12	-14.903	-20.370	107.617	1.00	0.00	H
ATOM	367	H1'	A A	12	-14.841	-16.840	109.236	1.00	0.00	H
ATOM	368	H3'	A A	12	-18.394	-18.138	108.164	1.00	0.00	H
ATOM	369	H4'	A A	12	-17.856	-18.219	110.753	1.00	0.00	H
ATOM	370	H61	A A	12	-8.749	-20.296	108.463	1.00	0.00	H
ATOM	371	H62	A A	12	-10.129	-21.196	107.775	1.00	0.00	H
ATOM	372	H2'1	A A	12	-16.231	-18.694	107.282	1.00	0.00	H
ATOM	373	H2'2	A A	12	-16.146	-16.939	107.259	1.00	0.00	H
ATOM	374	H5'1	A A	12	-16.857	-20.603	110.531	1.00	0.00	H
ATOM	375	H5'2	A A	12	-18.523	-20.282	110.010	1.00	0.00	H
ATOM	376	C1'	G A	13	-12.963	-13.506	108.091	1.00	0.00	C
ATOM	377	N1	G A	13	-9.018	-16.451	106.754	1.00	0.00	N
ATOM	378	C2	G A	13	-9.042	-15.280	107.492	1.00	0.00	C

ATOM	379	N2	G A	13	-7.858	-14.834	107.931	1.00	0.00	N
ATOM	380	N3	G A	13	-10.159	-14.610	107.770	1.00	0.00	N
ATOM	381	C4	G A	13	-11.262	-15.200	107.241	1.00	0.00	C
ATOM	382	C5	G A	13	-11.332	-16.363	106.491	1.00	0.00	C
ATOM	383	C6	G A	13	-10.148	-17.078	106.198	1.00	0.00	C
ATOM	384	O6	G A	13	-10.009	-18.118	105.553	1.00	0.00	O
ATOM	385	N7	G A	13	-12.657	-16.629	106.137	1.00	0.00	N
ATOM	386	C8	G A	13	-13.331	-15.645	106.674	1.00	0.00	C
ATOM	387	N9	G A	13	-12.554	-14.737	107.361	1.00	0.00	N
ATOM	388	C2'	G A	13	-14.089	-12.737	107.413	1.00	0.00	C
ATOM	389	C3'	G A	13	-14.875	-12.211	108.602	1.00	0.00	C
ATOM	390	O3'	G A	13	-14.279	-10.998	109.058	1.00	0.00	O
ATOM	391	C4'	G A	13	-14.741	-13.338	109.625	1.00	0.00	C
ATOM	392	O4'	G A	13	-13.411	-13.894	109.375	1.00	0.00	O
ATOM	393	C5'	G A	13	-15.757	-14.453	109.531	1.00	0.00	C
ATOM	394	O5'	G A	13	-16.074	-14.712	108.141	1.00	0.00	O
ATOM	395	O1P	G A	13	-18.491	-14.033	107.957	1.00	0.00	O
ATOM	396	O2P	G A	13	-17.557	-15.775	106.413	1.00	0.00	O
ATOM	397	P	G A	13	-17.558	-15.159	107.762	1.00	0.00	P
ATOM	398	H1	G A	13	-8.100	-16.896	106.600	1.00	0.00	H
ATOM	399	H8	G A	13	-14.414	-15.551	106.587	1.00	0.00	H
ATOM	400	H1'	G A	13	-12.082	-12.876	108.219	1.00	0.00	H
ATOM	401	H21	G A	13	-6.999	-15.361	107.714	1.00	0.00	H
ATOM	402	H3'	G A	13	-15.921	-12.027	108.353	1.00	0.00	H
ATOM	403	H22	G A	13	-7.809	-13.967	108.483	1.00	0.00	H
ATOM	404	H4'	G A	13	-14.834	-12.885	110.610	1.00	0.00	H
ATOM	405	H2'1	G A	13	-14.705	-13.377	106.782	1.00	0.00	H
ATOM	406	H2'2	G A	13	-13.718	-11.923	106.790	1.00	0.00	H
ATOM	407	H5'1	G A	13	-15.345	-15.351	109.990	1.00	0.00	H
ATOM	408	H5'2	G A	13	-16.659	-14.160	110.067	1.00	0.00	H
ATOM	409	C1'	G A	14	-9.170	-10.668	106.644	1.00	0.00	C
ATOM	410	N1	G A	14	-7.816	-14.812	103.996	1.00	0.00	N
ATOM	411	C2	G A	14	-7.040	-13.942	104.741	1.00	0.00	C
ATOM	412	N2	G A	14	-5.729	-14.210	104.785	1.00	0.00	N
ATOM	413	N3	G A	14	-7.534	-12.889	105.391	1.00	0.00	N
ATOM	414	C4	G A	14	-8.877	-12.767	105.231	1.00	0.00	C
ATOM	415	C5	G A	14	-9.729	-13.582	104.505	1.00	0.00	C
ATOM	416	C6	G A	14	-9.208	-14.702	103.819	1.00	0.00	C
ATOM	417	O6	G A	14	-9.797	-15.535	103.129	1.00	0.00	O
ATOM	418	N7	G A	14	-11.041	-13.108	104.594	1.00	0.00	N
ATOM	419	C8	G A	14	-10.944	-12.049	105.355	1.00	0.00	C
ATOM	420	N9	G A	14	-9.662	-11.776	105.781	1.00	0.00	N
ATOM	421	C2'	G A	14	-9.873	-9.340	106.398	1.00	0.00	C
ATOM	422	C3'	G A	14	-9.931	-8.746	107.795	1.00	0.00	C
ATOM	423	O3'	G A	14	-8.701	-8.079	108.072	1.00	0.00	O
ATOM	424	C4'	G A	14	-10.132	-9.976	108.679	1.00	0.00	C
ATOM	425	O4'	G A	14	-9.399	-11.038	107.992	1.00	0.00	O
ATOM	426	C5'	G A	14	-11.559	-10.428	108.884	1.00	0.00	C
ATOM	427	O5'	G A	14	-12.317	-10.228	107.665	1.00	0.00	O
ATOM	428	O1P	G A	14	-13.988	-8.458	108.302	1.00	0.00	O
ATOM	429	O2P	G A	14	-14.529	-10.096	106.480	1.00	0.00	O
ATOM	430	P	G A	14	-13.857	-9.830	107.776	1.00	0.00	P
ATOM	431	H1	G A	14	-7.337	-15.602	103.538	1.00	0.00	H
ATOM	432	H8	G A	14	-11.803	-11.435	105.628	1.00	0.00	H

ATOM	433	H1'	G A	14	-8.094	-10.574	106.500	1.00	0.00	H
ATOM	434	H21	G A	14	-5.355	-15.028	104.283	1.00	0.00	H
ATOM	435	H3'	G A	14	-10.756	-8.042	107.906	1.00	0.00	H
ATOM	436	H22	G A	14	-5.097	-13.598	105.320	1.00	0.00	H
ATOM	437	H4'	G A	14	-9.716	-9.735	109.657	1.00	0.00	H
ATOM	438	H2'1	G A	14	-10.871	-9.472	105.981	1.00	0.00	H
ATOM	439	H2'2	G A	14	-9.315	-8.697	105.715	1.00	0.00	H
ATOM	440	H5'1	G A	14	-11.564	-11.484	109.152	1.00	0.00	H
ATOM	441	H5'2	G A	14	-12.004	-9.850	109.694	1.00	0.00	H
ATOM	442	C1'	A A	15	-4.995	-9.743	104.153	1.00	0.00	C
ATOM	443	N1	A A	15	-6.702	-13.456	101.049	1.00	0.00	N
ATOM	444	C2	A A	15	-5.498	-13.181	101.544	1.00	0.00	C
ATOM	445	N3	A A	15	-5.126	-12.205	102.345	1.00	0.00	N
ATOM	446	C4	A A	15	-6.180	-11.424	102.646	1.00	0.00	C
ATOM	447	C5	A A	15	-7.471	-11.567	102.223	1.00	0.00	C
ATOM	448	C6	A A	15	-7.733	-12.659	101.368	1.00	0.00	C
ATOM	449	N6	A A	15	-8.954	-12.926	100.874	1.00	0.00	N
ATOM	450	N7	A A	15	-8.280	-10.572	102.741	1.00	0.00	N
ATOM	451	C8	A A	15	-7.470	-9.851	103.457	1.00	0.00	C
ATOM	452	N9	A A	15	-6.176	-10.309	103.450	1.00	0.00	N
ATOM	453	C2'	A A	15	-4.973	-8.221	104.189	1.00	0.00	C
ATOM	454	C3'	A A	15	-4.362	-7.943	105.554	1.00	0.00	C
ATOM	455	O3'	A A	15	-2.943	-7.992	105.449	1.00	0.00	O
ATOM	456	C4'	A A	15	-4.917	-9.080	106.412	1.00	0.00	C
ATOM	457	O4'	A A	15	-5.022	-10.211	105.488	1.00	0.00	O
ATOM	458	C5'	A A	15	-6.268	-8.846	107.043	1.00	0.00	C
ATOM	459	O5'	A A	15	-7.110	-8.090	106.136	1.00	0.00	O
ATOM	460	O1P	A A	15	-7.439	-5.900	107.334	1.00	0.00	O
ATOM	461	O2P	A A	15	-9.177	-6.721	105.719	1.00	0.00	O
ATOM	462	P	A A	15	-8.155	-7.049	106.743	1.00	0.00	P
ATOM	463	H2	A A	15	-4.705	-13.865	101.242	1.00	0.00	H
ATOM	464	H8	A A	15	-7.784	-8.968	104.012	1.00	0.00	H
ATOM	465	H1'	A A	15	-4.096	-10.135	103.678	1.00	0.00	H
ATOM	466	H3'	A A	15	-4.662	-6.972	105.946	1.00	0.00	H
ATOM	467	H4'	A A	15	-4.200	-9.250	107.213	1.00	0.00	H
ATOM	468	H61	A A	15	-9.092	-13.738	100.256	1.00	0.00	H
ATOM	469	H62	A A	15	-9.751	-12.317	101.112	1.00	0.00	H
ATOM	470	H2'1	A A	15	-5.972	-7.792	104.106	1.00	0.00	H
ATOM	471	H2'2	A A	15	-4.366	-7.796	103.389	1.00	0.00	H
ATOM	472	H5'1	A A	15	-6.733	-9.807	107.260	1.00	0.00	H
ATOM	473	H5'2	A A	15	-6.139	-8.292	107.971	1.00	0.00	H
ATOM	474	C1'	C A	16	-1.782	-10.490	100.441	1.00	0.00	C
ATOM	475	N1	C A	16	-3.224	-10.256	100.154	1.00	0.00	N
ATOM	476	C2	C A	16	-3.879	-11.163	99.323	1.00	0.00	C
ATOM	477	O2	C A	16	-3.241	-12.117	98.861	1.00	0.00	O
ATOM	478	N3	C A	16	-5.192	-10.968	99.049	1.00	0.00	N
ATOM	479	C4	C A	16	-5.856	-9.925	99.564	1.00	0.00	C
ATOM	480	N4	C A	16	-7.140	-9.787	99.266	1.00	0.00	N
ATOM	481	C5	C A	16	-5.207	-8.974	100.418	1.00	0.00	C
ATOM	482	C6	C A	16	-3.885	-9.192	100.685	1.00	0.00	C
ATOM	483	C2'	C A	16	-0.957	-9.213	100.511	1.00	0.00	C
ATOM	484	C3'	C A	16	0.048	-9.545	101.605	1.00	0.00	C
ATOM	485	O3'	C A	16	1.143	-10.257	101.034	1.00	0.00	O
ATOM	486	C4'	C A	16	-0.768	-10.410	102.563	1.00	0.00	C

ATOM	487	O4'	C	A	16	-1.693	-11.139	101.696	1.00	0.00	O
ATOM	488	C5'	C	A	16	-1.569	-9.675	103.614	1.00	0.00	C
ATOM	489	O5'	C	A	16	-2.093	-8.443	103.058	1.00	0.00	O
ATOM	490	O1P	C	A	16	-0.889	-6.657	104.361	1.00	0.00	O
ATOM	491	O2P	C	A	16	-3.155	-6.190	103.391	1.00	0.00	O
ATOM	492	P	C	A	16	-2.228	-7.170	104.008	1.00	0.00	P
ATOM	493	H5	C	A	16	-5.742	-8.119	100.834	1.00	0.00	H
ATOM	494	H6	C	A	16	-3.350	-8.500	101.335	1.00	0.00	H
ATOM	495	H1'	C	A	16	-1.389	-11.168	99.684	1.00	0.00	H
ATOM	496	H3'	C	A	16	0.419	-8.648	102.102	1.00	0.00	H
ATOM	497	H4'	C	A	16	-0.063	-11.061	103.079	1.00	0.00	H
ATOM	498	H41	C	A	16	-7.674	-8.993	99.650	1.00	0.00	H
ATOM	499	H42	C	A	16	-7.603	-10.469	98.650	1.00	0.00	H
ATOM	500	H2'1	C	A	16	-1.558	-8.344	100.777	1.00	0.00	H
ATOM	501	H2'2	C	A	16	-0.457	-8.990	99.568	1.00	0.00	H
ATOM	502	H5'1	C	A	16	-2.390	-10.310	103.946	1.00	0.00	H
ATOM	503	H5'2	C	A	16	-0.923	-9.450	104.463	1.00	0.00	H
ATOM	504	C1'	G	A	17	-0.507	-11.921	95.876	1.00	0.00	C
ATOM	505	N1	G	A	17	-5.404	-10.961	94.817	1.00	0.00	N
ATOM	506	C2	G	A	17	-4.601	-12.017	94.423	1.00	0.00	C
ATOM	507	N2	G	A	17	-5.179	-12.938	93.642	1.00	0.00	N
ATOM	508	N3	G	A	17	-3.324	-12.144	94.780	1.00	0.00	N
ATOM	509	C4	G	A	17	-2.903	-11.117	95.565	1.00	0.00	C
ATOM	510	C5	G	A	17	-3.630	-10.022	96.004	1.00	0.00	C
ATOM	511	C6	G	A	17	-4.986	-9.889	95.629	1.00	0.00	C
ATOM	512	O6	G	A	17	-5.787	-8.998	95.914	1.00	0.00	O
ATOM	513	N7	G	A	17	-2.827	-9.194	96.791	1.00	0.00	N
ATOM	514	C8	G	A	17	-1.668	-9.801	96.808	1.00	0.00	C
ATOM	515	N9	G	A	17	-1.635	-10.975	96.085	1.00	0.00	N
ATOM	516	C2'	G	A	17	0.846	-11.240	95.719	1.00	0.00	C
ATOM	517	C3'	G	A	17	1.778	-12.221	96.410	1.00	0.00	C
ATOM	518	O3'	G	A	17	2.152	-13.241	95.485	1.00	0.00	O
ATOM	519	C4'	G	A	17	0.917	-12.762	97.551	1.00	0.00	C
ATOM	520	O4'	G	A	17	-0.439	-12.769	97.007	1.00	0.00	O
ATOM	521	C5'	G	A	17	0.922	-11.960	98.831	1.00	0.00	C
ATOM	522	O5'	G	A	17	0.985	-10.545	98.524	1.00	0.00	O
ATOM	523	O1P	G	A	17	3.232	-9.855	99.425	1.00	0.00	O
ATOM	524	O2P	G	A	17	1.373	-8.177	99.268	1.00	0.00	O
ATOM	525	P	G	A	17	1.784	-9.582	99.512	1.00	0.00	P
ATOM	526	H1	G	A	17	-6.382	-10.961	94.490	1.00	0.00	H
ATOM	527	H8	G	A	17	-0.803	-9.411	97.346	1.00	0.00	H
ATOM	528	H1'	G	A	17	-0.735	-12.539	95.006	1.00	0.00	H
ATOM	529	H21	G	A	17	-6.168	-12.835	93.372	1.00	0.00	H
ATOM	530	H3'	G	A	17	2.676	-11.732	96.791	1.00	0.00	H
ATOM	531	H22	G	A	17	-4.634	-13.747	93.313	1.00	0.00	H
ATOM	532	H4'	G	A	17	1.290	-13.760	97.781	1.00	0.00	H
ATOM	533	H2'1	G	A	17	0.873	-10.261	96.199	1.00	0.00	H
ATOM	534	H2'2	G	A	17	1.120	-11.100	94.673	1.00	0.00	H
ATOM	535	H5'1	G	A	17	0.012	-12.176	99.390	1.00	0.00	H
ATOM	536	H5'2	G	A	17	1.786	-12.248	99.430	1.00	0.00	H
ATOM	537	C1'	G	A	18	-1.403	-12.868	91.098	1.00	0.00	C
ATOM	538	N1	G	A	18	-5.184	-9.502	91.726	1.00	0.00	N
ATOM	539	C2	G	A	18	-5.175	-10.713	91.056	1.00	0.00	C
ATOM	540	N2	G	A	18	-6.328	-11.075	90.475	1.00	0.00	N

ATOM	541	N3	G A	18	-4.105	-11.499	90.974	1.00	0.00	N
ATOM	542	C4	G A	18	-3.027	-10.974	91.613	1.00	0.00	C
ATOM	543	C5	G A	18	-2.942	-9.775	92.302	1.00	0.00	C
ATOM	544	C6	G A	18	-4.081	-8.941	92.393	1.00	0.00	C
ATOM	545	O6	G A	18	-4.200	-7.851	92.954	1.00	0.00	O
ATOM	546	N7	G A	18	-1.655	-9.602	92.812	1.00	0.00	N
ATOM	547	C8	G A	18	-1.016	-10.677	92.430	1.00	0.00	C
ATOM	548	N9	G A	18	-1.783	-11.558	91.696	1.00	0.00	N
ATOM	549	C2'	G A	18	0.010	-12.897	90.532	1.00	0.00	C
ATOM	550	C3'	G A	18	0.448	-14.318	90.847	1.00	0.00	C
ATOM	551	O3'	G A	18	-0.014	-15.190	89.818	1.00	0.00	O
ATOM	552	C4'	G A	18	-0.232	-14.595	92.187	1.00	0.00	C
ATOM	553	O4'	G A	18	-1.486	-13.847	92.114	1.00	0.00	O
ATOM	554	C5'	G A	18	0.521	-14.159	93.423	1.00	0.00	C
ATOM	555	O5'	G A	18	1.219	-12.917	93.160	1.00	0.00	O
ATOM	556	O1P	G A	18	3.646	-13.572	93.303	1.00	0.00	O
ATOM	557	O2P	G A	18	2.950	-11.217	93.817	1.00	0.00	O
ATOM	558	P	G A	18	2.628	-12.665	93.866	1.00	0.00	P
ATOM	559	H1	G A	18	-6.069	-8.971	91.736	1.00	0.00	H
ATOM	560	H8	G A	18	0.032	-10.863	92.669	1.00	0.00	H
ATOM	561	H1'	G A	18	-2.136	-13.117	90.330	1.00	0.00	H
ATOM	562	H21	G A	18	-7.154	-10.461	90.547	1.00	0.00	H
ATOM	563	H3'	G A	18	1.533	-14.402	90.931	1.00	0.00	H
ATOM	564	H22	G A	18	-6.386	-11.962	89.960	1.00	0.00	H
ATOM	565	H4'	G A	18	-0.380	-15.672	92.250	1.00	0.00	H
ATOM	566	H2'1	G A	18	0.662	-12.166	91.009	1.00	0.00	H
ATOM	567	H2'2	G A	18	0.031	-12.703	89.459	1.00	0.00	H
ATOM	568	H5'1	G A	18	-0.186	-14.019	94.240	1.00	0.00	H
ATOM	569	H5'2	G A	18	1.236	-14.934	93.697	1.00	0.00	H
ATOM	570	C1'	T A	19	-3.867	-12.337	86.837	1.00	0.00	C
ATOM	571	N1	T A	19	-3.372	-11.140	87.567	1.00	0.00	N
ATOM	572	C2	T A	19	-4.282	-10.132	87.815	1.00	0.00	C
ATOM	573	O2	T A	19	-5.447	-10.193	87.461	1.00	0.00	O
ATOM	574	N3	T A	19	-3.780	-9.038	88.496	1.00	0.00	N
ATOM	575	C4	T A	19	-2.486	-8.868	88.936	1.00	0.00	C
ATOM	576	O4	T A	19	-2.151	-7.839	89.536	1.00	0.00	O
ATOM	577	C5	T A	19	-1.607	-9.972	88.632	1.00	0.00	C
ATOM	578	C6	T A	19	-2.062	-11.055	87.969	1.00	0.00	C
ATOM	579	C7	T A	19	-0.187	-9.831	89.094	1.00	0.00	C
ATOM	580	C2'	T A	19	-2.859	-12.914	85.850	1.00	0.00	C
ATOM	581	C3'	T A	19	-3.125	-14.407	85.962	1.00	0.00	C
ATOM	582	O3'	T A	19	-4.210	-14.756	85.106	1.00	0.00	O
ATOM	583	C4'	T A	19	-3.475	-14.579	87.438	1.00	0.00	C
ATOM	584	O4'	T A	19	-4.159	-13.336	87.794	1.00	0.00	O
ATOM	585	C5'	T A	19	-2.316	-14.782	88.385	1.00	0.00	C
ATOM	586	O5'	T A	19	-1.187	-13.982	87.955	1.00	0.00	O
ATOM	587	O1P	T A	19	0.529	-15.702	87.296	1.00	0.00	O
ATOM	588	O2P	T A	19	1.262	-13.436	88.083	1.00	0.00	O
ATOM	589	P	T A	19	0.287	-14.547	88.184	1.00	0.00	P
ATOM	590	H3	T A	19	-4.442	-8.274	88.696	1.00	0.00	H
ATOM	591	H6	T A	19	-1.380	-11.878	87.752	1.00	0.00	H
ATOM	592	H1'	T A	19	-4.796	-12.070	86.334	1.00	0.00	H
ATOM	593	H3'	T A	19	-2.249	-14.997	85.693	1.00	0.00	H
ATOM	594	H4'	T A	19	-4.120	-15.457	87.510	1.00	0.00	H

ATOM	595	H71	T A	19	0.473	-9.773	88.229	1.00	0.00	H
ATOM	596	H72	T A	19	-0.088	-8.922	89.687	1.00	0.00	H
ATOM	597	H73	T A	19	0.086	-10.694	89.703	1.00	0.00	H
ATOM	598	H2'1	T A	19	-1.832	-12.672	86.120	1.00	0.00	H
ATOM	599	H2'2	T A	19	-3.024	-12.555	84.833	1.00	0.00	H
ATOM	600	H5'1	T A	19	-2.617	-14.485	89.389	1.00	0.00	H
ATOM	601	H5'2	T A	19	-2.039	-15.836	88.391	1.00	0.00	H
ATOM	602	C01	LNK A	20	-4.289	-15.469	81.453	0.00	0.00	C
ATOM	603	O1	LNK A	20	-3.599	-15.082	82.643	1.00	0.00	O
ATOM	604	S	LNK A	20	-3.570	-15.866	77.558	0.00	0.00	S
ATOM	605	C02	LNK A	20	-3.325	-15.388	80.254	0.00	0.00	C
ATOM	606	C03	LNK A	20	-4.093	-14.900	79.010	0.00	0.00	C
ATOM	607	O1P	LNK A	20	-3.247	-12.793	83.631	1.00	0.00	O
ATOM	608	O2P	LNK A	20	-5.562	-13.565	83.040	1.00	0.00	O
ATOM	609	P	LNK A	20	-4.208	-13.911	83.539	1.00	0.00	P
ATOM	610	H01	LNK A	20	-5.132	-14.798	81.286	0.00	0.00	H
ATOM	611	H02	LNK A	20	-4.653	-16.490	81.558	0.00	0.00	H
ATOM	612	H03	LNK A	20	-3.877	-13.846	78.841	0.00	0.00	H
ATOM	613	H04	LNK A	20	-2.906	-16.376	80.058	0.00	0.00	H
ATOM	614	H05	LNK A	20	-2.521	-14.690	80.482	0.00	0.00	H
ATOM	615	H06	LNK A	20	-5.163	-15.032	79.167	0.00	0.00	H
ATOM	616	AU	LNK A	20	-3.833	-15.586	76.990			
TER										
ATOM	618	C1'	A B	2	-9.428	-3.417	89.736	1.00	0.00	C
ATOM	619	N1	A B	2	-5.658	-6.836	89.073	1.00	0.00	N
ATOM	620	C2	A B	2	-6.941	-6.837	88.727	1.00	0.00	C
ATOM	621	N3	A B	2	-7.861	-5.917	88.927	1.00	0.00	N
ATOM	622	C4	A B	2	-7.335	-4.868	89.587	1.00	0.00	C
ATOM	623	C5	A B	2	-6.046	-4.715	90.012	1.00	0.00	C
ATOM	624	C6	A B	2	-5.162	-5.777	89.730	1.00	0.00	C
ATOM	625	N6	A B	2	-3.865	-5.766	90.086	1.00	0.00	N
ATOM	626	N7	A B	2	-5.873	-3.502	90.656	1.00	0.00	N
ATOM	627	C8	A B	2	-7.052	-2.954	90.611	1.00	0.00	C
ATOM	628	N9	A B	2	-7.990	-3.725	89.975	1.00	0.00	N
ATOM	629	C2'	A B	2	-10.097	-2.683	90.891	1.00	0.00	C
ATOM	630	C3'	A B	2	-11.058	-1.757	90.163	1.00	0.00	C
ATOM	631	O3'	A B	2	-12.260	-2.466	89.872	1.00	0.00	O
ATOM	632	C4'	A B	2	-10.283	-1.390	88.898	1.00	0.00	C
ATOM	633	O4'	A B	2	-9.505	-2.592	88.590	1.00	0.00	O
ATOM	634	C5'	A B	2	-9.339	-0.216	89.005	1.00	0.00	C
ATOM	635	O5'	A B	2	-8.716	-0.207	90.313	1.00	0.00	O
ATOM	636	H2	A B	2	-7.281	-7.726	88.201	1.00	0.00	H
ATOM	637	H8	A B	2	-7.273	-1.976	91.039	1.00	0.00	H
ATOM	638	H1'	A B	2	-9.944	-4.351	89.516	1.00	0.00	H
ATOM	639	H3'	A B	2	-11.295	-0.870	90.750	1.00	0.00	H
ATOM	640	H4'	A B	2	-11.023	-1.155	88.133	1.00	0.00	H
ATOM	641	H61	A B	2	-3.261	-6.566	89.852	1.00	0.00	H
ATOM	642	H62	A B	2	-3.477	-4.957	90.591	1.00	0.00	H
ATOM	643	H2'1	A B	2	-9.384	-2.121	91.494	1.00	0.00	H
ATOM	644	H2'2	A B	2	-10.629	-3.362	91.559	1.00	0.00	H
ATOM	645	H5'1	A B	2	-8.575	-0.302	88.233	1.00	0.00	H
ATOM	646	H5'2	A B	2	-9.899	0.706	88.856	1.00	0.00	H
ATOM	647	C1'	C B	3	-11.097	-8.006	90.634	1.00	0.00	C
ATOM	648	N1	C B	3	-9.866	-7.506	91.305	1.00	0.00	N

ATOM	649	C2	C B	3	-8.722	-8.298	91.241	1.00	0.00	C
ATOM	650	O2	C B	3	-8.774	-9.375	90.633	1.00	0.00	O
ATOM	651	N3	C B	3	-7.590	-7.861	91.845	1.00	0.00	N
ATOM	652	C4	C B	3	-7.564	-6.690	92.496	1.00	0.00	C
ATOM	653	N4	C B	3	-6.429	-6.310	93.067	1.00	0.00	N
ATOM	654	C5	C B	3	-8.728	-5.857	92.583	1.00	0.00	C
ATOM	655	C6	C B	3	-9.856	-6.315	91.962	1.00	0.00	C
ATOM	656	C2'	C B	3	-12.379	-7.701	91.398	1.00	0.00	C
ATOM	657	C3'	C B	3	-13.365	-7.438	90.270	1.00	0.00	C
ATOM	658	O3'	C B	3	-13.896	-8.679	89.813	1.00	0.00	O
ATOM	659	C4'	C B	3	-12.498	-6.757	89.213	1.00	0.00	C
ATOM	660	O4'	C B	3	-11.182	-7.378	89.369	1.00	0.00	O
ATOM	661	C5'	C B	3	-12.343	-5.259	89.337	1.00	0.00	C
ATOM	662	O5'	C B	3	-12.279	-4.886	90.737	1.00	0.00	O
ATOM	663	O1P	C B	3	-14.384	-3.550	91.081	1.00	0.00	O
ATOM	664	O2P	C B	3	-12.375	-3.120	92.521	1.00	0.00	O
ATOM	665	P	C B	3	-12.913	-3.496	91.191	1.00	0.00	P
ATOM	666	H5	C B	3	-8.715	-4.907	93.116	1.00	0.00	H
ATOM	667	H6	C B	3	-10.764	-5.713	91.994	1.00	0.00	H
ATOM	668	H1'	C B	3	-10.986	-9.078	90.470	1.00	0.00	H
ATOM	669	H3'	C B	3	-14.183	-6.790	90.586	1.00	0.00	H
ATOM	670	H4'	C B	3	-12.956	-6.963	88.246	1.00	0.00	H
ATOM	671	H41	C B	3	-6.382	-5.412	93.570	1.00	0.00	H
ATOM	672	H42	C B	3	-5.594	-6.911	93.005	1.00	0.00	H
ATOM	673	H2'1	C B	3	-12.278	-6.833	92.047	1.00	0.00	H
ATOM	674	H2'2	C B	3	-12.700	-8.539	92.018	1.00	0.00	H
ATOM	675	H5'1	C B	3	-11.427	-4.950	88.833	1.00	0.00	H
ATOM	676	H5'2	C B	3	-13.193	-4.770	88.865	1.00	0.00	H
ATOM	677	C1'	C B	4	-10.588	-12.757	91.937	1.00	0.00	C
ATOM	678	N1	C B	4	-10.040	-11.672	92.797	1.00	0.00	N
ATOM	679	C2	C B	4	-8.707	-11.764	93.193	1.00	0.00	C
ATOM	680	O2	C B	4	-8.037	-12.735	92.815	1.00	0.00	O
ATOM	681	N3	C B	4	-8.188	-10.788	93.976	1.00	0.00	N
ATOM	682	C4	C B	4	-8.938	-9.749	94.369	1.00	0.00	C
ATOM	683	N4	C B	4	-8.379	-8.821	95.131	1.00	0.00	N
ATOM	684	C5	C B	4	-10.313	-9.631	93.982	1.00	0.00	C
ATOM	685	C6	C B	4	-10.813	-10.624	93.188	1.00	0.00	C
ATOM	686	C2'	C B	4	-12.028	-13.129	92.263	1.00	0.00	C
ATOM	687	C3'	C B	4	-12.591	-13.448	90.886	1.00	0.00	C
ATOM	688	O3'	C B	4	-12.284	-14.800	90.556	1.00	0.00	O
ATOM	689	C4'	C B	4	-11.864	-12.455	89.983	1.00	0.00	C
ATOM	690	O4'	C B	4	-10.544	-12.306	90.597	1.00	0.00	O
ATOM	691	C5'	C B	4	-12.491	-11.085	89.848	1.00	0.00	C
ATOM	692	O5'	C B	4	-13.073	-10.687	91.116	1.00	0.00	O
ATOM	693	O1P	C B	4	-15.541	-10.612	90.625	1.00	0.00	O
ATOM	694	O2P	C B	4	-14.576	-9.162	92.430	1.00	0.00	O
ATOM	695	P	C B	4	-14.402	-9.806	91.105	1.00	0.00	P
ATOM	696	H5	C B	4	-10.929	-8.791	94.305	1.00	0.00	H
ATOM	697	H6	C B	4	-11.852	-10.574	92.862	1.00	0.00	H
ATOM	698	H1'	C B	4	-9.932	-13.623	92.021	1.00	0.00	H
ATOM	699	H3'	C B	4	-13.671	-13.302	90.843	1.00	0.00	H
ATOM	700	H4'	C B	4	-11.824	-12.900	88.989	1.00	0.00	H
ATOM	701	H41	C B	4	-8.932	-8.010	95.446	1.00	0.00	H
ATOM	702	H42	C B	4	-7.390	-8.909	95.411	1.00	0.00	H

ATOM	703	H2'1	C B	4	-12.571	-12.310	92.733	1.00	0.00	H
ATOM	704	H2'2	C B	4	-12.092	-13.991	92.927	1.00	0.00	H
ATOM	705	H5'1	C B	4	-11.725	-10.369	89.553	1.00	0.00	H
ATOM	706	H5'2	C B	4	-13.265	-11.121	89.082	1.00	0.00	H
ATOM	707	C1'	G B	5	-8.330	-16.521	94.230	1.00	0.00	C
ATOM	708	N1	G B	5	-6.580	-12.850	97.311	1.00	0.00	N
ATOM	709	C2	G B	5	-5.925	-13.943	96.768	1.00	0.00	C
ATOM	710	N2	G B	5	-4.632	-14.074	97.090	1.00	0.00	N
ATOM	711	N3	G B	5	-6.513	-14.829	95.968	1.00	0.00	N
ATOM	712	C4	G B	5	-7.824	-14.543	95.754	1.00	0.00	C
ATOM	713	C5	G B	5	-8.559	-13.482	96.256	1.00	0.00	C
ATOM	714	C6	G B	5	-7.936	-12.538	97.102	1.00	0.00	C
ATOM	715	O6	G B	5	-8.418	-11.541	97.640	1.00	0.00	O
ATOM	716	N7	G B	5	-9.877	-13.552	95.797	1.00	0.00	N
ATOM	717	C8	G B	5	-9.898	-14.625	95.049	1.00	0.00	C
ATOM	718	N9	G B	5	-8.687	-15.282	94.974	1.00	0.00	N
ATOM	719	C2'	G B	5	-9.433	-17.571	94.225	1.00	0.00	C
ATOM	720	C3'	G B	5	-9.284	-18.181	92.840	1.00	0.00	C
ATOM	721	O3'	G B	5	-8.279	-19.191	92.879	1.00	0.00	O
ATOM	722	C4'	G B	5	-8.869	-16.985	91.986	1.00	0.00	C
ATOM	723	O4'	G B	5	-8.067	-16.158	92.888	1.00	0.00	O
ATOM	724	C5'	G B	5	-9.987	-16.142	91.422	1.00	0.00	C
ATOM	725	O5'	G B	5	-11.070	-16.058	92.382	1.00	0.00	O
ATOM	726	O1P	G B	5	-12.953	-17.282	91.246	1.00	0.00	O
ATOM	727	O2P	G B	5	-13.456	-15.482	92.919	1.00	0.00	O
ATOM	728	P	G B	5	-12.570	-15.988	91.844	1.00	0.00	P
ATOM	729	H1	G B	5	-6.031	-12.218	97.914	1.00	0.00	H
ATOM	730	H8	G B	5	-10.791	-14.970	94.530	1.00	0.00	H
ATOM	731	H1'	G B	5	-7.411	-16.922	94.656	1.00	0.00	H
ATOM	732	H21	G B	5	-4.183	-13.382	97.708	1.00	0.00	H
ATOM	733	H3'	G B	5	-10.218	-18.614	92.482	1.00	0.00	H
ATOM	734	H22	G B	5	-4.088	-14.867	96.722	1.00	0.00	H
ATOM	735	H4'	G B	5	-8.294	-17.379	91.148	1.00	0.00	H
ATOM	736	H2'1	G B	5	-10.422	-17.134	94.363	1.00	0.00	H
ATOM	737	H2'2	G B	5	-9.295	-18.319	95.006	1.00	0.00	H
ATOM	738	H5'1	G B	5	-9.608	-15.143	91.206	1.00	0.00	H
ATOM	739	H5'2	G B	5	-10.348	-16.596	90.499	1.00	0.00	H
ATOM	740	C1'	T B	6	-5.440	-18.529	97.711	1.00	0.00	C
ATOM	741	N1	T B	6	-6.545	-17.610	98.095	1.00	0.00	N
ATOM	742	C2	T B	6	-6.228	-16.560	98.933	1.00	0.00	C
ATOM	743	O2	T B	6	-5.102	-16.370	99.357	1.00	0.00	O
ATOM	744	N3	T B	6	-7.286	-15.730	99.262	1.00	0.00	N
ATOM	745	C4	T B	6	-8.593	-15.857	98.842	1.00	0.00	C
ATOM	746	O4	T B	6	-9.456	-15.052	99.207	1.00	0.00	O
ATOM	747	C5	T B	6	-8.824	-16.983	97.969	1.00	0.00	C
ATOM	748	C6	T B	6	-7.820	-17.812	97.625	1.00	0.00	C
ATOM	749	C7	T B	6	-10.233	-17.158	97.485	1.00	0.00	C
ATOM	750	C2'	T B	6	-5.861	-19.991	97.622	1.00	0.00	C
ATOM	751	C3'	T B	6	-5.018	-20.492	96.459	1.00	0.00	C
ATOM	752	O3'	T B	6	-3.728	-20.862	96.942	1.00	0.00	O
ATOM	753	C4'	T B	6	-4.963	-19.281	95.531	1.00	0.00	C
ATOM	754	O4'	T B	6	-4.971	-18.132	96.437	1.00	0.00	O
ATOM	755	C5'	T B	6	-6.105	-19.132	94.552	1.00	0.00	C
ATOM	756	O5'	T B	6	-7.341	-19.567	95.171	1.00	0.00	O

ATOM	757	O1P	T B	6	-7.969	-21.611	93.844	1.00	0.00	O
ATOM	758	O2P	T B	6	-9.751	-20.245	94.966	1.00	0.00	O
ATOM	759	P	T B	6	-8.444	-20.278	94.266	1.00	0.00	P
ATOM	760	H3	T B	6	-7.075	-14.936	99.885	1.00	0.00	H
ATOM	761	H6	T B	6	-8.021	-18.655	96.965	1.00	0.00	H
ATOM	762	H1'	T B	6	-4.626	-18.401	98.424	1.00	0.00	H
ATOM	763	H3'	T B	6	-5.475	-21.348	95.964	1.00	0.00	H
ATOM	764	H4'	T B	6	-4.040	-19.365	94.956	1.00	0.00	H
ATOM	765	H71	T B	6	-10.646	-18.082	97.891	1.00	0.00	H
ATOM	766	H72	T B	6	-10.840	-16.314	97.814	1.00	0.00	H
ATOM	767	H73	T B	6	-10.241	-17.207	96.395	1.00	0.00	H
ATOM	768	H2'1	T B	6	-6.924	-20.102	97.417	1.00	0.00	H
ATOM	769	H2'2	T B	6	-5.642	-20.541	98.536	1.00	0.00	H
ATOM	770	H5'1	T B	6	-6.189	-18.086	94.256	1.00	0.00	H
ATOM	771	H5'2	T B	6	-5.900	-19.739	93.671	1.00	0.00	H
ATOM	772	C1'	C B	7	-3.269	-18.609	102.176	1.00	0.00	C
ATOM	773	N1	C B	7	-4.739	-18.394	102.054	1.00	0.00	N
ATOM	774	C2	C B	7	-5.295	-17.303	102.716	1.00	0.00	C
ATOM	775	O2	C B	7	-4.553	-16.559	103.374	1.00	0.00	O
ATOM	776	N3	C B	7	-6.630	-17.089	102.617	1.00	0.00	N
ATOM	777	C4	C B	7	-7.407	-17.910	101.899	1.00	0.00	C
ATOM	778	N4	C B	7	-8.704	-17.652	101.834	1.00	0.00	N
ATOM	779	C5	C B	7	-6.863	-19.044	101.211	1.00	0.00	C
ATOM	780	C6	C B	7	-5.514	-19.235	101.320	1.00	0.00	C
ATOM	781	C2'	C B	7	-2.870	-20.074	102.276	1.00	0.00	C
ATOM	782	C3'	C B	7	-1.557	-20.097	101.510	1.00	0.00	C
ATOM	783	O3'	C B	7	-0.498	-19.716	102.384	1.00	0.00	O
ATOM	784	C4'	C B	7	-1.791	-19.069	100.405	1.00	0.00	C
ATOM	785	O4'	C B	7	-2.658	-18.066	101.021	1.00	0.00	O
ATOM	786	C5'	C B	7	-2.457	-19.577	99.145	1.00	0.00	C
ATOM	787	O5'	C B	7	-3.451	-20.576	99.488	1.00	0.00	O
ATOM	788	O1P	C B	7	-2.523	-22.688	98.482	1.00	0.00	O
ATOM	789	O2P	C B	7	-4.999	-22.426	98.785	1.00	0.00	O
ATOM	790	P	C B	7	-3.694	-21.790	98.483	1.00	0.00	P
ATOM	791	H5	C B	7	-7.492	-19.718	100.631	1.00	0.00	H
ATOM	792	H6	C B	7	-5.053	-20.080	100.809	1.00	0.00	H
ATOM	793	H1'	C B	7	-2.914	-18.046	103.040	1.00	0.00	H
ATOM	794	H3'	C B	7	-1.345	-21.083	101.093	1.00	0.00	H
ATOM	795	H4'	C B	7	-0.813	-18.676	100.126	1.00	0.00	H
ATOM	796	H41	C B	7	-9.325	-18.266	101.285	1.00	0.00	H
ATOM	797	H42	C B	7	-9.095	-16.837	102.331	1.00	0.00	H
ATOM	798	H2'1	C B	7	-3.606	-20.736	101.822	1.00	0.00	H
ATOM	799	H2'2	C B	7	-2.733	-20.395	103.309	1.00	0.00	H
ATOM	800	H5'1	C B	7	-2.935	-18.741	98.633	1.00	0.00	H
ATOM	801	H5'2	C B	7	-1.704	-20.015	98.494	1.00	0.00	H
ATOM	802	C1'	C B	8	-2.903	-17.426	106.972	1.00	0.00	C
ATOM	803	N1	C B	8	-4.163	-18.001	106.428	1.00	0.00	N
ATOM	804	C2	C B	8	-5.355	-17.331	106.695	1.00	0.00	C
ATOM	805	O2	C B	8	-5.318	-16.291	107.366	1.00	0.00	O
ATOM	806	N3	C B	8	-6.513	-17.837	106.208	1.00	0.00	N
ATOM	807	C4	C B	8	-6.522	-18.965	105.485	1.00	0.00	C
ATOM	808	N4	C B	8	-7.684	-19.414	105.032	1.00	0.00	N
ATOM	809	C5	C B	8	-5.313	-19.680	105.199	1.00	0.00	C
ATOM	810	C6	C B	8	-4.157	-19.148	105.696	1.00	0.00	C

ATOM	811	C2'	C B	8	-1.910	-18.474	107.459	1.00	0.00	C
ATOM	812	C3'	C B	8	-0.577	-17.844	107.084	1.00	0.00	C
ATOM	813	O3'	C B	8	-0.179	-16.943	108.114	1.00	0.00	O
ATOM	814	C4'	C B	8	-0.898	-17.122	105.777	1.00	0.00	C
ATOM	815	O4'	C B	8	-2.286	-16.687	105.935	1.00	0.00	O
ATOM	816	C5'	C B	8	-0.790	-17.941	104.512	1.00	0.00	C
ATOM	817	O5'	C B	8	-1.237	-19.298	104.768	1.00	0.00	O
ATOM	818	O1P	C B	8	0.858	-20.664	104.475	1.00	0.00	O
ATOM	819	O2P	C B	8	-1.388	-21.703	104.058	1.00	0.00	O
ATOM	820	P	C B	8	-0.528	-20.496	103.993	1.00	0.00	P
ATOM	821	H5	C B	8	-5.316	-20.602	104.617	1.00	0.00	H
ATOM	822	H6	C B	8	-3.210	-19.652	105.498	1.00	0.00	H
ATOM	823	H1'	C B	8	-3.162	-16.733	107.772	1.00	0.00	H
ATOM	824	H3'	C B	8	0.201	-18.594	106.938	1.00	0.00	H
ATOM	825	H4'	C B	8	-0.197	-16.292	105.694	1.00	0.00	H
ATOM	826	H41	C B	8	-7.719	-20.278	104.470	1.00	0.00	H
ATOM	827	H42	C B	8	-8.553	-18.899	105.240	1.00	0.00	H
ATOM	828	H2'1	C B	8	-2.047	-19.435	106.965	1.00	0.00	H
ATOM	829	H2'2	C B	8	-1.982	-18.644	108.533	1.00	0.00	H
ATOM	830	H5'1	C B	8	-1.411	-17.490	103.739	1.00	0.00	H
ATOM	831	H5'2	C B	8	0.247	-17.952	104.180	1.00	0.00	H
ATOM	832	C1'	T B	9	-4.707	-16.061	111.373	1.00	0.00	C
ATOM	833	N1	T B	9	-5.306	-17.211	110.644	1.00	0.00	N
ATOM	834	C2	T B	9	-6.675	-17.205	110.472	1.00	0.00	C
ATOM	835	O2	T B	9	-7.387	-16.310	110.891	1.00	0.00	O
ATOM	836	N3	T B	9	-7.188	-18.291	109.789	1.00	0.00	N
ATOM	837	C4	T B	9	-6.473	-19.354	109.280	1.00	0.00	C
ATOM	838	O4	T B	9	-7.046	-20.276	108.686	1.00	0.00	O
ATOM	839	C5	T B	9	-5.049	-19.271	109.507	1.00	0.00	C
ATOM	840	C6	T B	9	-4.514	-18.226	110.169	1.00	0.00	C
ATOM	841	C7	T B	9	-4.232	-20.407	108.966	1.00	0.00	C
ATOM	842	C2'	T B	9	-3.550	-16.447	112.288	1.00	0.00	C
ATOM	843	C3'	T B	9	-2.627	-15.245	112.156	1.00	0.00	C
ATOM	844	O3'	T B	9	-3.046	-14.232	113.067	1.00	0.00	O
ATOM	845	C4'	T B	9	-2.816	-14.830	110.699	1.00	0.00	C
ATOM	846	O4'	T B	9	-4.216	-15.147	110.412	1.00	0.00	O
ATOM	847	C5'	T B	9	-1.943	-15.527	109.682	1.00	0.00	C
ATOM	848	O5'	T B	9	-1.757	-16.913	110.066	1.00	0.00	O
ATOM	849	O1P	T B	9	0.701	-17.049	110.585	1.00	0.00	O
ATOM	850	O2P	T B	9	-0.533	-19.092	109.808	1.00	0.00	O
ATOM	851	P	T B	9	-0.366	-17.621	109.738	1.00	0.00	P
ATOM	852	H3	T B	9	-8.208	-18.308	109.645	1.00	0.00	H
ATOM	853	H6	T B	9	-3.437	-18.188	110.329	1.00	0.00	H
ATOM	854	H1'	T B	9	-5.498	-15.563	111.935	1.00	0.00	H
ATOM	855	H3'	T B	9	-1.589	-15.507	112.359	1.00	0.00	H
ATOM	856	H4'	T B	9	-2.602	-13.761	110.645	1.00	0.00	H
ATOM	857	H71	T B	9	-3.783	-20.958	109.794	1.00	0.00	H
ATOM	858	H72	T B	9	-4.871	-21.074	108.389	1.00	0.00	H
ATOM	859	H73	T B	9	-3.443	-20.013	108.324	1.00	0.00	H
ATOM	860	H2'1	T B	9	-3.058	-17.363	111.965	1.00	0.00	H
ATOM	861	H2'2	T B	9	-3.870	-16.592	113.320	1.00	0.00	H
ATOM	862	H5'1	T B	9	-2.421	-15.476	108.704	1.00	0.00	H
ATOM	863	H5'2	T B	9	-0.978	-15.027	109.636	1.00	0.00	H
ATOM	864	C1'	A B	10	-8.290	-15.671	114.787	1.00	0.00	C

ATOM	865	N1	A B	10	-10.239	-19.772	112.396	1.00	0.00	N
ATOM	866	C2	A B	10	-10.795	-18.664	112.877	1.00	0.00	C
ATOM	867	N3	A B	10	-10.232	-17.641	113.482	1.00	0.00	N
ATOM	868	C4	A B	10	-8.905	-17.835	113.588	1.00	0.00	C
ATOM	869	C5	A B	10	-8.183	-18.912	113.150	1.00	0.00	C
ATOM	870	C6	A B	10	-8.913	-19.938	112.516	1.00	0.00	C
ATOM	871	N6	A B	10	-8.340	-21.055	112.035	1.00	0.00	N
ATOM	872	N7	A B	10	-6.837	-18.760	113.434	1.00	0.00	N
ATOM	873	C8	A B	10	-6.773	-17.609	114.036	1.00	0.00	C
ATOM	874	N9	A B	10	-7.989	-16.987	114.162	1.00	0.00	N
ATOM	875	C2'	A B	10	-7.457	-15.376	116.027	1.00	0.00	C
ATOM	876	C3'	A B	10	-7.238	-13.875	115.913	1.00	0.00	C
ATOM	877	O3'	A B	10	-8.363	-13.195	116.466	1.00	0.00	O
ATOM	878	C4'	A B	10	-7.120	-13.663	114.404	1.00	0.00	C
ATOM	879	O4'	A B	10	-8.015	-14.667	113.827	1.00	0.00	O
ATOM	880	C5'	A B	10	-5.744	-13.841	113.807	1.00	0.00	C
ATOM	881	O5'	A B	10	-5.051	-14.919	114.486	1.00	0.00	O
ATOM	882	O1P	A B	10	-3.149	-13.749	115.647	1.00	0.00	O
ATOM	883	O2P	A B	10	-2.923	-16.159	114.986	1.00	0.00	O
ATOM	884	P	A B	10	-3.471	-14.815	114.679	1.00	0.00	P
ATOM	885	H2	A B	10	-11.875	-18.593	112.751	1.00	0.00	H
ATOM	886	H8	A B	10	-5.842	-17.179	114.404	1.00	0.00	H
ATOM	887	H1'	A B	10	-9.355	-15.637	115.014	1.00	0.00	H
ATOM	888	H3'	A B	10	-6.332	-13.555	116.427	1.00	0.00	H
ATOM	889	H4'	A B	10	-7.441	-12.641	114.203	1.00	0.00	H
ATOM	890	H61	A B	10	-8.918	-21.773	111.577	1.00	0.00	H
ATOM	891	H62	A B	10	-7.322	-21.191	112.124	1.00	0.00	H
ATOM	892	H2'1	A B	10	-6.511	-15.915	116.029	1.00	0.00	H
ATOM	893	H2'2	A B	10	-7.982	-15.631	116.948	1.00	0.00	H
ATOM	894	H5'1	A B	10	-5.841	-14.076	112.748	1.00	0.00	H
ATOM	895	H5'2	A B	10	-5.183	-12.916	113.920	1.00	0.00	H
ATOM	896	C1'	G B	11	-12.512	-17.087	116.980	1.00	0.00	C
ATOM	897	N1	G B	11	-11.350	-21.654	115.029	1.00	0.00	N
ATOM	898	C2	G B	11	-12.567	-20.999	115.092	1.00	0.00	C
ATOM	899	N2	G B	11	-13.613	-21.648	114.567	1.00	0.00	N
ATOM	900	N3	G B	11	-12.726	-19.793	115.634	1.00	0.00	N
ATOM	901	C4	G B	11	-11.562	-19.289	116.122	1.00	0.00	C
ATOM	902	C5	G B	11	-10.306	-19.870	116.108	1.00	0.00	C
ATOM	903	C6	G B	11	-10.135	-21.149	115.530	1.00	0.00	C
ATOM	904	O6	G B	11	-9.109	-21.822	115.423	1.00	0.00	O
ATOM	905	N7	G B	11	-9.376	-19.023	116.714	1.00	0.00	N
ATOM	906	C8	G B	11	-10.080	-17.978	117.065	1.00	0.00	C
ATOM	907	N9	G B	11	-11.418	-18.066	116.741	1.00	0.00	N
ATOM	908	C2'	G B	11	-12.402	-16.358	118.313	1.00	0.00	C
ATOM	909	C3'	G B	11	-12.918	-14.972	117.961	1.00	0.00	C
ATOM	910	O3'	G B	11	-14.341	-14.968	118.041	1.00	0.00	O
ATOM	911	C4'	G B	11	-12.420	-14.778	116.530	1.00	0.00	C
ATOM	912	O4'	G B	11	-12.459	-16.120	115.950	1.00	0.00	O
ATOM	913	C5'	G B	11	-11.023	-14.224	116.375	1.00	0.00	C
ATOM	914	O5'	G B	11	-10.167	-14.753	117.419	1.00	0.00	O
ATOM	915	O1P	G B	11	-9.593	-12.720	118.787	1.00	0.00	O
ATOM	916	O2P	G B	11	-8.016	-14.669	118.712	1.00	0.00	O
ATOM	917	P	G B	11	-9.008	-13.825	118.005	1.00	0.00	P
ATOM	918	H1	G B	11	-11.333	-22.583	114.581	1.00	0.00	H

ATOM	919	H8	G B	11	-9.647	-17.116	117.571	1.00	0.00	H
ATOM	920	H1'	G B	11	-13.464	-17.611	116.899	1.00	0.00	H
ATOM	921	H21	G B	11	-13.482	-22.579	114.145	1.00	0.00	H
ATOM	922	H3'	G B	11	-12.516	-14.205	118.624	1.00	0.00	H
ATOM	923	H22	G B	11	-14.548	-21.216	114.584	1.00	0.00	H
ATOM	924	H4'	G B	11	-13.109	-14.084	116.046	1.00	0.00	H
ATOM	925	H2'1	G B	11	-11.376	-16.318	118.679	1.00	0.00	H
ATOM	926	H2'2	G B	11	-13.010	-16.822	119.089	1.00	0.00	H
ATOM	927	H5'1	G B	11	-10.632	-14.509	115.398	1.00	0.00	H
ATOM	928	H5'2	G B	11	-11.060	-13.137	116.443	1.00	0.00	H
ATOM	929	C1'	G B	12	-15.998	-20.375	118.229	1.00	0.00	C
ATOM	930	N1	G B	12	-12.234	-23.758	117.583	1.00	0.00	N
ATOM	931	C2	G B	12	-13.561	-23.820	117.195	1.00	0.00	C
ATOM	932	N2	G B	12	-13.935	-24.933	116.549	1.00	0.00	N
ATOM	933	N3	G B	12	-14.443	-22.850	117.429	1.00	0.00	N
ATOM	934	C4	G B	12	-13.892	-21.803	118.099	1.00	0.00	C
ATOM	935	C5	G B	12	-12.586	-21.655	118.529	1.00	0.00	C
ATOM	936	C6	G B	12	-11.648	-22.683	118.277	1.00	0.00	C
ATOM	937	O6	G B	12	-10.455	-22.735	118.578	1.00	0.00	O
ATOM	938	N7	G B	12	-12.427	-20.431	119.181	1.00	0.00	N
ATOM	939	C8	G B	12	-13.615	-19.886	119.124	1.00	0.00	C
ATOM	940	N9	G B	12	-14.560	-20.659	118.483	1.00	0.00	N
ATOM	941	C2'	G B	12	-16.690	-19.649	119.375	1.00	0.00	C
ATOM	942	C3'	G B	12	-17.658	-18.738	118.636	1.00	0.00	C
ATOM	943	O3'	G B	12	-18.848	-19.464	118.336	1.00	0.00	O
ATOM	944	C4'	G B	12	-16.878	-18.364	117.377	1.00	0.00	C
ATOM	945	O4'	G B	12	-16.080	-19.553	117.081	1.00	0.00	O
ATOM	946	C5'	G B	12	-15.950	-17.177	117.490	1.00	0.00	C
ATOM	947	O5'	G B	12	-15.340	-17.155	118.804	1.00	0.00	O
ATOM	948	O1P	G B	12	-16.287	-15.071	119.851	1.00	0.00	O
ATOM	949	O2P	G B	12	-14.045	-15.932	120.577	1.00	0.00	O
ATOM	950	P	G B	12	-15.028	-15.744	119.482	1.00	0.00	P
ATOM	951	H1	G B	12	-11.631	-24.560	117.346	1.00	0.00	H
ATOM	952	H8	G B	12	-13.840	-18.906	119.546	1.00	0.00	H
ATOM	953	H1'	G B	12	-16.498	-21.317	118.005	1.00	0.00	H
ATOM	954	H21	G B	12	-13.246	-25.676	116.367	1.00	0.00	H
ATOM	955	H3'	G B	12	-17.912	-17.852	119.219	1.00	0.00	H
ATOM	956	H22	G B	12	-14.910	-25.041	116.236	1.00	0.00	H
ATOM	957	H4'	G B	12	-17.612	-18.140	116.604	1.00	0.00	H
ATOM	958	H2'1	G B	12	-15.991	-19.075	119.983	1.00	0.00	H
ATOM	959	H2'2	G B	12	-17.218	-20.333	120.040	1.00	0.00	H
ATOM	960	H5'1	G B	12	-15.177	-17.253	116.726	1.00	0.00	H
ATOM	961	H5'2	G B	12	-16.521	-16.261	117.334	1.00	0.00	H
ATOM	962	C1'	T B	13	-17.703	-24.933	119.132	1.00	0.00	C
ATOM	963	N1	T B	13	-16.463	-24.453	119.796	1.00	0.00	N
ATOM	964	C2	T B	13	-15.348	-25.265	119.713	1.00	0.00	C
ATOM	965	O2	T B	13	-15.354	-26.333	119.127	1.00	0.00	O
ATOM	966	N3	T B	13	-14.218	-24.780	120.343	1.00	0.00	N
ATOM	967	C4	T B	13	-14.106	-23.590	121.033	1.00	0.00	C
ATOM	968	O4	T B	13	-13.037	-23.263	121.561	1.00	0.00	O
ATOM	969	C5	T B	13	-15.321	-22.810	121.065	1.00	0.00	C
ATOM	970	C6	T B	13	-16.443	-23.252	120.461	1.00	0.00	C
ATOM	971	C7	T B	13	-15.247	-21.507	121.802	1.00	0.00	C
ATOM	972	C2'	T B	13	-18.978	-24.612	119.905	1.00	0.00	C

ATOM	973	C3'	T B	13	-19.966	-24.332	118.783	1.00	0.00	C
ATOM	974	O3'	T B	13	-20.518	-25.565	118.327	1.00	0.00	O
ATOM	975	C4'	T B	13	-19.097	-23.660	117.724	1.00	0.00	C
ATOM	976	O4'	T B	13	-17.790	-24.302	117.870	1.00	0.00	O
ATOM	977	C5'	T B	13	-18.919	-22.164	117.849	1.00	0.00	C
ATOM	978	O5'	T B	13	-18.842	-21.797	119.251	1.00	0.00	O
ATOM	979	O1P	T B	13	-20.925	-20.433	119.611	1.00	0.00	O
ATOM	980	O2P	T B	13	-18.901	-20.034	121.039	1.00	0.00	O
ATOM	981	P	T B	13	-19.452	-20.398	119.712	1.00	0.00	P
ATOM	982	H3	T B	13	-13.372	-25.366	120.292	1.00	0.00	H
ATOM	983	H6	T B	13	-17.348	-22.645	120.499	1.00	0.00	H
ATOM	984	H1'	T B	13	-17.610	-26.006	118.965	1.00	0.00	H
ATOM	985	H3'	T B	13	-20.772	-23.674	119.107	1.00	0.00	H
ATOM	986	H4'	T B	13	-19.564	-23.858	116.759	1.00	0.00	H
ATOM	987	H71	T B	13	-15.890	-21.548	122.681	1.00	0.00	H
ATOM	988	H72	T B	13	-14.217	-21.325	122.115	1.00	0.00	H
ATOM	989	H73	T B	13	-15.575	-20.699	121.148	1.00	0.00	H
ATOM	990	H2'1	T B	13	-18.859	-23.746	120.555	1.00	0.00	H
ATOM	991	H2'2	T B	13	-19.306	-25.445	120.525	1.00	0.00	H
ATOM	992	H5'1	T B	13	-18.003	-21.869	117.339	1.00	0.00	H
ATOM	993	H5'2	T B	13	-19.766	-21.664	117.384	1.00	0.00	H
ATOM	994	C1'	G B	14	-17.173	-29.694	120.436	1.00	0.00	C
ATOM	995	N1	G B	14	-13.045	-27.986	122.900	1.00	0.00	N
ATOM	996	C2	G B	14	-13.214	-29.127	122.137	1.00	0.00	C
ATOM	997	N2	G B	14	-12.143	-29.920	122.016	1.00	0.00	N
ATOM	998	N3	G B	14	-14.361	-29.451	121.543	1.00	0.00	N
ATOM	999	C4	G B	14	-15.341	-28.538	121.778	1.00	0.00	C
ATOM	1000	C5	G B	14	-15.265	-27.377	122.527	1.00	0.00	C
ATOM	1001	C6	G B	14	-14.047	-27.030	123.156	1.00	0.00	C
ATOM	1002	O6	G B	14	-13.786	-26.050	123.855	1.00	0.00	O
ATOM	1003	N7	G B	14	-16.497	-26.717	122.522	1.00	0.00	N
ATOM	1004	C8	G B	14	-17.261	-27.482	121.784	1.00	0.00	C
ATOM	1005	N9	G B	14	-16.630	-28.608	121.298	1.00	0.00	N
ATOM	1006	C2'	G B	14	-18.614	-30.068	120.755	1.00	0.00	C
ATOM	1007	C3'	G B	14	-19.171	-30.391	119.378	1.00	0.00	C
ATOM	1008	O3'	G B	14	-18.860	-31.743	119.053	1.00	0.00	O
ATOM	1009	C4'	G B	14	-18.441	-29.396	118.476	1.00	0.00	C
ATOM	1010	O4'	G B	14	-17.125	-29.246	119.096	1.00	0.00	O
ATOM	1011	C5'	G B	14	-19.070	-28.030	118.336	1.00	0.00	C
ATOM	1012	O5'	G B	14	-19.656	-27.629	119.599	1.00	0.00	O
ATOM	1013	O1P	G B	14	-22.123	-27.558	119.098	1.00	0.00	O
ATOM	1014	O2P	G B	14	-21.167	-26.103	120.904	1.00	0.00	O
ATOM	1015	P	G B	14	-20.988	-26.750	119.582	1.00	0.00	P
ATOM	1016	H1	G B	14	-12.114	-27.823	123.313	1.00	0.00	H
ATOM	1017	H8	G B	14	-18.305	-27.248	121.574	1.00	0.00	H
ATOM	1018	H1'	G B	14	-16.516	-30.561	120.524	1.00	0.00	H
ATOM	1019	H21	G B	14	-11.257	-29.660	122.477	1.00	0.00	H
ATOM	1020	H3'	G B	14	-20.250	-30.246	119.330	1.00	0.00	H
ATOM	1021	H22	G B	14	-12.204	-30.787	121.464	1.00	0.00	H
ATOM	1022	H4'	G B	14	-18.396	-29.845	117.483	1.00	0.00	H
ATOM	1023	H2'1	G B	14	-19.160	-29.248	121.221	1.00	0.00	H
ATOM	1024	H2'2	G B	14	-18.681	-30.927	121.422	1.00	0.00	H
ATOM	1025	H5'1	G B	14	-18.304	-27.314	118.042	1.00	0.00	H
ATOM	1026	H5'2	G B	14	-19.840	-28.069	117.567	1.00	0.00	H

ATOM	1027	C1'	C B	15	-14.915	-33.460	122.729	1.00	0.00	C
ATOM	1028	N1	C B	15	-15.265	-32.220	123.474	1.00	0.00	N
ATOM	1029	C2	C B	15	-14.263	-31.599	124.216	1.00	0.00	C
ATOM	1030	O2	C B	15	-13.130	-32.100	124.226	1.00	0.00	O
ATOM	1031	N3	C B	15	-14.560	-30.469	124.902	1.00	0.00	N
ATOM	1032	C4	C B	15	-15.795	-29.952	124.873	1.00	0.00	C
ATOM	1033	N4	C B	15	-16.030	-28.844	125.559	1.00	0.00	N
ATOM	1034	C5	C B	15	-16.849	-30.572	124.122	1.00	0.00	C
ATOM	1035	C6	C B	15	-16.524	-31.705	123.436	1.00	0.00	C
ATOM	1036	C2'	C B	15	-16.019	-34.508	122.729	1.00	0.00	C
ATOM	1037	C3'	C B	15	-15.877	-35.118	121.343	1.00	0.00	C
ATOM	1038	O3'	C B	15	-14.875	-36.131	121.376	1.00	0.00	O
ATOM	1039	C4'	C B	15	-15.463	-33.923	120.487	1.00	0.00	C
ATOM	1040	O4'	C B	15	-14.659	-33.096	121.385	1.00	0.00	O
ATOM	1041	C5'	C B	15	-16.585	-33.077	119.928	1.00	0.00	C
ATOM	1042	O5'	C B	15	-17.662	-32.993	120.893	1.00	0.00	O
ATOM	1043	O1P	C B	15	-19.553	-34.213	119.767	1.00	0.00	O
ATOM	1044	O2P	C B	15	-20.046	-32.413	121.443	1.00	0.00	O
ATOM	1045	P	C B	15	-19.165	-32.920	120.364	1.00	0.00	P
ATOM	1046	H5	C B	15	-17.857	-30.156	124.102	1.00	0.00	H
ATOM	1047	H6	C B	15	-17.289	-32.209	122.844	1.00	0.00	H
ATOM	1048	H1'	C B	15	-13.993	-33.862	123.150	1.00	0.00	H
ATOM	1049	H3'	C B	15	-16.815	-35.549	120.990	1.00	0.00	H
ATOM	1050	H4'	C B	15	-14.895	-34.318	119.645	1.00	0.00	H
ATOM	1051	H41	C B	15	-16.972	-28.422	125.552	1.00	0.00	H
ATOM	1052	H42	C B	15	-15.272	-28.401	126.101	1.00	0.00	H
ATOM	1053	H2'1	C B	15	-17.006	-34.070	122.871	1.00	0.00	H
ATOM	1054	H2'2	C B	15	-15.877	-35.257	123.509	1.00	0.00	H
ATOM	1055	H5'1	C B	15	-16.205	-32.078	119.710	1.00	0.00	H
ATOM	1056	H5'2	C B	15	-16.951	-33.531	119.008	1.00	0.00	H
ATOM	1057	C1'	G B	16	-12.025	-35.447	126.225	1.00	0.00	C
ATOM	1058	N1	G B	16	-13.350	-31.298	128.879	1.00	0.00	N
ATOM	1059	C2	G B	16	-12.118	-31.914	128.752	1.00	0.00	C
ATOM	1060	N2	G B	16	-11.105	-31.351	129.423	1.00	0.00	N
ATOM	1061	N3	G B	16	-11.914	-33.005	128.014	1.00	0.00	N
ATOM	1062	C4	G B	16	-13.051	-33.441	127.411	1.00	0.00	C
ATOM	1063	C5	G B	16	-14.321	-32.894	127.484	1.00	0.00	C
ATOM	1064	C6	G B	16	-14.538	-31.734	128.265	1.00	0.00	C
ATOM	1065	O6	G B	16	-15.582	-31.109	128.450	1.00	0.00	O
ATOM	1066	N7	G B	16	-15.214	-33.646	126.718	1.00	0.00	N
ATOM	1067	C8	G B	16	-14.475	-34.600	126.214	1.00	0.00	C
ATOM	1068	N9	G B	16	-13.148	-34.544	126.592	1.00	0.00	N
ATOM	1069	C2'	G B	16	-12.422	-36.915	126.134	1.00	0.00	C
ATOM	1070	C3'	G B	16	-11.559	-37.407	124.984	1.00	0.00	C
ATOM	1071	O3'	G B	16	-10.270	-37.755	125.482	1.00	0.00	O
ATOM	1072	C4'	G B	16	-11.512	-36.198	124.052	1.00	0.00	C
ATOM	1073	O4'	G B	16	-11.547	-35.046	124.955	1.00	0.00	O
ATOM	1074	C5'	G B	16	-12.643	-36.070	123.060	1.00	0.00	C
ATOM	1075	O5'	G B	16	-13.880	-36.522	123.666	1.00	0.00	O
ATOM	1076	O1P	G B	16	-14.463	-38.577	122.337	1.00	0.00	O
ATOM	1077	O2P	G B	16	-16.277	-37.237	123.434	1.00	0.00	O
ATOM	1078	P	G B	16	-14.962	-37.252	122.749	1.00	0.00	P
ATOM	1079	H1	G B	16	-13.400	-30.454	129.469	1.00	0.00	H
ATOM	1080	H8	G B	16	-14.872	-35.372	125.557	1.00	0.00	H

ATOM	1081	H1'	G B	16	-11.221	-35.303	126.946	1.00	0.00	H
ATOM	1082	H21	G B	16	-11.270	-30.507	129.989	1.00	0.00	H
ATOM	1083	H3'	G B	16	-11.998	-38.271	124.484	1.00	0.00	H
ATOM	1084	H22	G B	16	-10.163	-31.765	129.371	1.00	0.00	H
ATOM	1085	H4'	G B	16	-10.581	-36.268	123.488	1.00	0.00	H
ATOM	1086	H2'1	G B	16	-13.483	-37.044	125.918	1.00	0.00	H
ATOM	1087	H2'2	G B	16	-12.207	-37.458	127.054	1.00	0.00	H
ATOM	1088	H5'1	G B	16	-12.740	-35.026	122.761	1.00	0.00	H
ATOM	1089	H5'2	G B	16	-12.419	-36.676	122.183	1.00	0.00	H
ATOM	1090	C1'	G B	17	-9.855	-35.547	130.675	1.00	0.00	C
ATOM	1091	N1	G B	17	-13.783	-32.581	132.025	1.00	0.00	N
ATOM	1092	C2	G B	17	-12.441	-32.482	132.348	1.00	0.00	C
ATOM	1093	N2	G B	17	-12.101	-31.456	133.139	1.00	0.00	N
ATOM	1094	N3	G B	17	-11.514	-33.335	131.918	1.00	0.00	N
ATOM	1095	C4	G B	17	-12.038	-34.315	131.136	1.00	0.00	C
ATOM	1096	C5	G B	17	-13.358	-34.496	130.763	1.00	0.00	C
ATOM	1097	C6	G B	17	-14.342	-33.589	131.215	1.00	0.00	C
ATOM	1098	O6	G B	17	-15.554	-33.583	130.995	1.00	0.00	O
ATOM	1099	N7	G B	17	-13.479	-35.625	129.951	1.00	0.00	N
ATOM	1100	C8	G B	17	-12.257	-36.080	129.856	1.00	0.00	C
ATOM	1101	N9	G B	17	-11.324	-35.338	130.550	1.00	0.00	N
ATOM	1102	C2'	G B	17	-9.451	-37.011	130.772	1.00	0.00	C
ATOM	1103	C3'	G B	17	-8.136	-37.029	130.009	1.00	0.00	C
ATOM	1104	O3'	G B	17	-7.080	-36.647	130.886	1.00	0.00	O
ATOM	1105	C4'	G B	17	-8.371	-35.999	128.905	1.00	0.00	C
ATOM	1106	O4'	G B	17	-9.242	-35.000	129.523	1.00	0.00	O
ATOM	1107	C5'	G B	17	-9.033	-36.504	127.645	1.00	0.00	C
ATOM	1108	O5'	G B	17	-10.024	-37.507	127.980	1.00	0.00	O
ATOM	1109	O1P	G B	17	-9.086	-39.614	126.973	1.00	0.00	O
ATOM	1110	O2P	G B	17	-11.565	-39.362	127.269	1.00	0.00	O
ATOM	1111	P	G B	17	-10.260	-38.721	126.972	1.00	0.00	P
ATOM	1112	H1	G B	17	-14.419	-31.864	132.406	1.00	0.00	H
ATOM	1113	H8	G B	17	-11.997	-36.968	129.281	1.00	0.00	H
ATOM	1114	H1'	G B	17	-9.504	-34.986	131.540	1.00	0.00	H
ATOM	1115	H21	G B	17	-12.823	-30.797	133.466	1.00	0.00	H
ATOM	1116	H3'	G B	17	-7.920	-38.012	129.589	1.00	0.00	H
ATOM	1117	H22	G B	17	-11.118	-31.327	133.419	1.00	0.00	H
ATOM	1118	H4'	G B	17	-7.394	-35.600	128.631	1.00	0.00	H
ATOM	1119	H2'1	G B	17	-10.184	-37.674	130.314	1.00	0.00	H
ATOM	1120	H2'2	G B	17	-9.316	-37.336	131.803	1.00	0.00	H
ATOM	1121	H5'1	G B	17	-9.511	-35.670	127.133	1.00	0.00	H
ATOM	1122	H5'2	G B	17	-8.275	-36.939	126.993	1.00	0.00	H
ATOM	1123	C1'	C B	18	-9.488	-34.365	135.471	1.00	0.00	C
ATOM	1124	N1	C B	18	-10.749	-34.941	134.927	1.00	0.00	N
ATOM	1125	C2	C B	18	-11.940	-34.267	135.193	1.00	0.00	C
ATOM	1126	O2	C B	18	-11.903	-33.229	135.864	1.00	0.00	O
ATOM	1127	N3	C B	18	-13.099	-34.776	134.706	1.00	0.00	N
ATOM	1128	C4	C B	18	-13.105	-35.903	133.983	1.00	0.00	C
ATOM	1129	N4	C B	18	-14.267	-36.353	133.531	1.00	0.00	N
ATOM	1130	C5	C B	18	-11.897	-36.615	133.698	1.00	0.00	C
ATOM	1131	C6	C B	18	-10.743	-36.085	134.195	1.00	0.00	C
ATOM	1132	C2'	C B	18	-8.495	-35.412	135.957	1.00	0.00	C
ATOM	1133	C3'	C B	18	-7.162	-34.783	135.582	1.00	0.00	C
ATOM	1134	O3'	C B	18	-6.764	-33.881	136.613	1.00	0.00	O

ATOM	1135	C4'	C B	18	-7.483	-34.060	134.276	1.00	0.00	C
ATOM	1136	O4'	C B	18	-8.871	-33.625	134.434	1.00	0.00	O
ATOM	1137	C5'	C B	18	-7.375	-34.879	133.011	1.00	0.00	C
ATOM	1138	O5'	C B	18	-7.821	-36.235	133.267	1.00	0.00	O
ATOM	1139	O1P	C B	18	-5.729	-37.602	132.973	1.00	0.00	O
ATOM	1140	O2P	C B	18	-7.975	-38.642	132.557	1.00	0.00	O
ATOM	1141	P	C B	18	-7.114	-37.435	132.491	1.00	0.00	P
ATOM	1142	H5	C B	18	-11.898	-37.535	133.113	1.00	0.00	H
ATOM	1143	H6	C B	18	-9.797	-36.590	134.000	1.00	0.00	H
ATOM	1144	H1'	C B	18	-9.748	-33.671	136.270	1.00	0.00	H
ATOM	1145	H3'	C B	18	-6.384	-35.532	135.436	1.00	0.00	H
ATOM	1146	H4'	C B	18	-6.782	-33.229	134.193	1.00	0.00	H
ATOM	1147	H41	C B	18	-14.301	-37.218	132.971	1.00	0.00	H
ATOM	1148	H42	C B	18	-15.135	-35.839	133.738	1.00	0.00	H
ATOM	1149	H2'1	C B	18	-8.633	-36.373	135.463	1.00	0.00	H
ATOM	1150	H2'2	C B	18	-8.567	-35.582	137.031	1.00	0.00	H
ATOM	1151	H5'1	C B	18	-7.997	-34.427	132.237	1.00	0.00	H
ATOM	1152	H5'2	C B	18	-6.339	-34.889	132.678	1.00	0.00	H
ATOM	1153	C1'	C B	19	-11.315	-33.002	139.868	1.00	0.00	C
ATOM	1154	N1	C B	19	-11.892	-34.161	139.134	1.00	0.00	N
ATOM	1155	C2	C B	19	-13.272	-34.189	138.940	1.00	0.00	C
ATOM	1156	O2	C B	19	-13.956	-33.256	139.380	1.00	0.00	O
ATOM	1157	N3	C B	19	-13.817	-35.235	138.275	1.00	0.00	N
ATOM	1158	C4	C B	19	-13.050	-36.231	137.810	1.00	0.00	C
ATOM	1159	N4	C B	19	-13.634	-37.228	137.167	1.00	0.00	N
ATOM	1160	C5	C B	19	-11.631	-36.227	137.997	1.00	0.00	C
ATOM	1161	C6	C B	19	-11.104	-35.164	138.668	1.00	0.00	C
ATOM	1162	C2'	C B	19	-10.164	-33.373	140.792	1.00	0.00	C
ATOM	1163	C3'	C B	19	-9.254	-32.160	140.666	1.00	0.00	C
ATOM	1164	O3'	C B	19	-9.694	-31.148	141.568	1.00	0.00	O
ATOM	1165	C4'	C B	19	-9.434	-31.751	139.207	1.00	0.00	C
ATOM	1166	O4'	C B	19	-10.826	-32.085	138.906	1.00	0.00	O
ATOM	1167	C5'	C B	19	-8.544	-32.441	138.199	1.00	0.00	C
ATOM	1168	O5'	C B	19	-8.344	-33.823	138.588	1.00	0.00	O
ATOM	1169	O1P	C B	19	-5.889	-33.927	139.129	1.00	0.00	O
ATOM	1170	O2P	C B	19	-7.091	-35.987	138.348	1.00	0.00	O
ATOM	1171	P	C B	19	-6.942	-34.512	138.276	1.00	0.00	P
ATOM	1172	H5	C B	19	-11.001	-37.035	137.624	1.00	0.00	H
ATOM	1173	H6	C B	19	-10.027	-35.118	138.833	1.00	0.00	H
ATOM	1174	H1'	C B	19	-12.119	-32.513	140.420	1.00	0.00	H
ATOM	1175	H3'	C B	19	-8.214	-32.408	140.879	1.00	0.00	H
ATOM	1176	H4'	C B	19	-9.232	-30.680	139.151	1.00	0.00	H
ATOM	1177	H41	C B	19	-13.068	-38.006	136.797	1.00	0.00	H
ATOM	1178	H42	C B	19	-14.657	-37.228	137.033	1.00	0.00	H
ATOM	1179	H2'1	C B	19	-9.657	-34.283	140.477	1.00	0.00	H
ATOM	1180	H2'2	C B	19	-10.492	-33.519	141.822	1.00	0.00	H
ATOM	1181	H5'1	C B	19	-9.013	-32.397	137.218	1.00	0.00	H
ATOM	1182	H5'2	C B	19	-7.584	-31.927	138.160	1.00	0.00	H
ATOM	1183	C1'	T B	20	-14.874	-32.610	143.284	1.00	0.00	C
ATOM	1184	N1	T B	20	-14.576	-33.927	142.663	1.00	0.00	N
ATOM	1185	C2	T B	20	-15.640	-34.632	142.139	1.00	0.00	C
ATOM	1186	O2	T B	20	-16.786	-34.218	142.170	1.00	0.00	O
ATOM	1187	N3	T B	20	-15.318	-35.850	141.572	1.00	0.00	N
ATOM	1188	C4	T B	20	-14.062	-36.409	141.485	1.00	0.00	C

ATOM	1189	O4	T B	20	-13.897	-37.514	140.952	1.00	0.00	O
ATOM	1190	C5	T B	20	-13.014	-35.600	142.058	1.00	0.00	C
ATOM	1191	C6	T B	20	-13.290	-34.407	142.621	1.00	0.00	C
ATOM	1192	C7	T B	20	-11.629	-36.170	141.985	1.00	0.00	C
ATOM	1193	C2'	T B	20	-14.043	-32.316	144.528	1.00	0.00	C
ATOM	1194	C3'	T B	20	-13.820	-30.815	144.412	1.00	0.00	C
ATOM	1195	O3'	T B	20	-14.942	-30.130	144.964	1.00	0.00	O
ATOM	1196	C4'	T B	20	-13.698	-30.605	142.905	1.00	0.00	C
ATOM	1197	O4'	T B	20	-14.595	-31.607	142.328	1.00	0.00	O
ATOM	1198	C5'	T B	20	-12.321	-30.789	142.309	1.00	0.00	C
ATOM	1199	O5'	T B	20	-11.633	-31.868	142.992	1.00	0.00	O
ATOM	1200	O1P	T B	20	-9.731	-30.703	144.154	1.00	0.00	O
ATOM	1201	O2P	T B	20	-9.511	-33.114	143.496	1.00	0.00	O
ATOM	1202	P	T B	20	-10.054	-31.770	143.187	1.00	0.00	P
ATOM	1203	H3	T B	20	-16.095	-36.395	141.173	1.00	0.00	H
ATOM	1204	H6	T B	20	-12.482	-33.813	143.047	1.00	0.00	H
ATOM	1205	H1'	T B	20	-15.940	-32.571	143.510	1.00	0.00	H
ATOM	1206	H3'	T B	20	-12.915	-30.498	144.928	1.00	0.00	H
ATOM	1207	H4'	T B	20	-14.014	-29.581	142.702	1.00	0.00	H
ATOM	1208	H3T	T B	20	-15.180	-30.391	145.857	1.00	0.00	H
ATOM	1209	H71	T B	20	-11.270	-36.384	142.991	1.00	0.00	H
ATOM	1210	H72	T B	20	-11.645	-37.091	141.400	1.00	0.00	H
ATOM	1211	H73	T B	20	-10.962	-35.450	141.508	1.00	0.00	H
ATOM	1212	H2'1	T B	20	-13.100	-32.858	144.532	1.00	0.00	H
ATOM	1213	H2'2	T B	20	-14.571	-32.569	145.448	1.00	0.00	H
ATOM	1214	H5'1	T B	20	-12.417	-31.024	141.250	1.00	0.00	H
ATOM	1215	H5'2	T B	20	-11.757	-29.864	142.422	1.00	0.00	H
TER										
ATOM	1	C1'	A A	1	2.086	-5.242	144.509	1.00	0.00	C
ATOM	2	N1	A A	1	6.857	-7.085	144.085	1.00	0.00	N
ATOM	3	C2	A A	1	6.372	-5.847	144.130	1.00	0.00	C
ATOM	4	N3	A A	1	5.125	-5.441	144.244	1.00	0.00	N
ATOM	5	C4	A A	1	4.295	-6.496	144.312	1.00	0.00	C
ATOM	6	C5	A A	1	4.631	-7.821	144.278	1.00	0.00	C
ATOM	7	C6	A A	1	6.004	-8.118	144.156	1.00	0.00	C
ATOM	8	N6	A A	1	6.483	-9.373	144.110	1.00	0.00	N
ATOM	9	N7	A A	1	3.507	-8.623	144.373	1.00	0.00	N
ATOM	10	C8	A A	1	2.526	-7.775	144.460	1.00	0.00	C
ATOM	11	N9	A A	1	2.927	-6.465	144.431	1.00	0.00	N
ATOM	12	C2'	A A	1	0.759	-5.362	143.772	1.00	0.00	C
ATOM	13	C3'	A A	1	-0.173	-4.559	144.665	1.00	0.00	C
ATOM	14	O3'	A A	1	-0.073	-3.178	144.325	1.00	0.00	O
ATOM	15	C4'	A A	1	0.364	-4.848	146.066	1.00	0.00	C
ATOM	16	O4'	A A	1	1.807	-4.997	145.874	1.00	0.00	O
ATOM	17	C5'	A A	1	-0.165	-6.089	146.744	1.00	0.00	C
ATOM	18	O5'	A A	1	-0.356	-7.141	145.764	1.00	0.00	O
ATOM	19	H2	A A	1	7.116	-5.053	144.064	1.00	0.00	H
ATOM	20	H8	A A	1	1.482	-8.078	144.547	1.00	0.00	H
ATOM	21	H1'	A A	1	2.668	-4.403	144.130	1.00	0.00	H
ATOM	22	H3'	A A	1	-1.211	-4.880	144.569	1.00	0.00	H
ATOM	23	H4'	A A	1	0.103	-3.991	146.687	1.00	0.00	H
ATOM	24	H61	A A	1	7.494	-9.535	144.022	1.00	0.00	H
ATOM	25	H62	A A	1	5.833	-10.172	144.165	1.00	0.00	H
ATOM	26	H5T	A A	1	-1.082	-7.755	145.883	1.00	0.00	H

ATOM	27	H2'1	A A	1	0.427	-6.396	143.683	1.00	0.00	H
ATOM	28	H2'2	A A	1	0.804	-4.942	142.767	1.00	0.00	H
ATOM	29	H5'1	A A	1	0.549	-6.415	147.501	1.00	0.00	H
ATOM	30	H5'2	A A	1	-1.114	-5.857	147.225	1.00	0.00	H
ATOM	31	C1'	G A	2	4.633	-2.650	141.126	1.00	0.00	C
ATOM	32	N1	G A	2	7.370	-6.933	140.706	1.00	0.00	N
ATOM	33	C2	G A	2	7.786	-5.616	140.748	1.00	0.00	C
ATOM	34	N2	G A	2	9.105	-5.412	140.665	1.00	0.00	N
ATOM	35	N3	G A	2	6.952	-4.584	140.864	1.00	0.00	N
ATOM	36	C4	G A	2	5.652	-4.975	140.928	1.00	0.00	C
ATOM	37	C5	G A	2	5.144	-6.264	140.892	1.00	0.00	C
ATOM	38	C6	G A	2	6.031	-7.360	140.773	1.00	0.00	C
ATOM	39	O6	G A	2	5.775	-8.563	140.726	1.00	0.00	O
ATOM	40	N7	G A	2	3.751	-6.237	140.986	1.00	0.00	N
ATOM	41	C8	G A	2	3.465	-4.963	141.078	1.00	0.00	C
ATOM	42	N9	G A	2	4.568	-4.134	141.049	1.00	0.00	N
ATOM	43	C2'	G A	2	3.502	-1.946	140.390	1.00	0.00	C
ATOM	44	C3'	G A	2	3.240	-0.744	141.281	1.00	0.00	C
ATOM	45	O3'	G A	2	4.151	0.299	140.942	1.00	0.00	O
ATOM	46	C4'	G A	2	3.494	-1.299	142.682	1.00	0.00	C
ATOM	47	O4'	G A	2	4.557	-2.285	142.492	1.00	0.00	O
ATOM	48	C5'	G A	2	2.324	-1.972	143.360	1.00	0.00	C
ATOM	49	O5'	G A	2	1.541	-2.697	142.379	1.00	0.00	O
ATOM	50	O1P	G A	2	-0.650	-1.460	142.356	1.00	0.00	O
ATOM	51	O2P	G A	2	-0.576	-3.891	141.745	1.00	0.00	O
ATOM	52	P	G A	2	-0.039	-2.785	142.574	1.00	0.00	P
ATOM	53	H1	G A	2	8.096	-7.658	140.618	1.00	0.00	H
ATOM	54	H8	G A	2	2.447	-4.589	141.167	1.00	0.00	H
ATOM	55	H1'	G A	2	5.604	-2.329	140.747	1.00	0.00	H
ATOM	56	H21	G A	2	9.746	-6.215	140.577	1.00	0.00	H
ATOM	57	H3'	G A	2	2.218	-0.376	141.183	1.00	0.00	H
ATOM	58	H22	G A	2	9.480	-4.453	140.689	1.00	0.00	H
ATOM	59	H4'	G A	2	3.801	-0.457	143.304	1.00	0.00	H
ATOM	60	H2'1	G A	2	2.615	-2.573	140.299	1.00	0.00	H
ATOM	61	H2'2	G A	2	3.791	-1.639	139.383	1.00	0.00	H
ATOM	62	H5'1	G A	2	2.697	-2.661	144.117	1.00	0.00	H
ATOM	63	H5'2	G A	2	1.705	-1.213	143.841	1.00	0.00	H
ATOM	64	C1'	G A	3	8.200	-2.033	137.747	1.00	0.00	C
ATOM	65	N1	G A	3	7.896	-7.106	137.326	1.00	0.00	N
ATOM	66	C2	G A	3	9.006	-6.286	137.368	1.00	0.00	C
ATOM	67	N2	G A	3	10.195	-6.896	137.284	1.00	0.00	N
ATOM	68	N3	G A	3	8.938	-4.962	137.484	1.00	0.00	N
ATOM	69	C4	G A	3	7.657	-4.513	137.549	1.00	0.00	C
ATOM	70	C5	G A	3	6.489	-5.258	137.512	1.00	0.00	C
ATOM	71	C6	G A	3	6.562	-6.665	137.394	1.00	0.00	C
ATOM	72	O6	G A	3	5.647	-7.488	137.345	1.00	0.00	O
ATOM	73	N7	G A	3	5.378	-4.417	137.605	1.00	0.00	N
ATOM	74	C8	G A	3	5.895	-3.220	137.697	1.00	0.00	C
ATOM	75	N9	G A	3	7.274	-3.196	137.669	1.00	0.00	N
ATOM	76	C2'	G A	3	7.698	-0.799	137.010	1.00	0.00	C
ATOM	77	C3'	G A	3	8.193	0.328	137.901	1.00	0.00	C
ATOM	78	O3'	G A	3	9.542	0.635	137.562	1.00	0.00	O
ATOM	79	C4'	G A	3	8.073	-0.270	139.302	1.00	0.00	C
ATOM	80	O4'	G A	3	8.352	-1.693	139.111	1.00	0.00	O

ATOM	81	C5'	G A	3	6.731	-0.128	139.979	1.00	0.00	C
ATOM	82	O5'	G A	3	5.671	-0.253	139.000	1.00	0.00	O
ATOM	83	O1P	G A	3	4.624	2.036	138.976	1.00	0.00	O
ATOM	84	O2P	G A	3	3.256	0.025	138.365	1.00	0.00	O
ATOM	85	P	G A	3	4.340	0.605	139.193	1.00	0.00	P
ATOM	86	H1	G A	3	8.058	-8.122	137.239	1.00	0.00	H
ATOM	87	H8	G A	3	5.290	-2.318	137.787	1.00	0.00	H
ATOM	88	H1'	G A	3	9.173	-2.346	137.368	1.00	0.00	H
ATOM	89	H21	G A	3	10.241	-7.923	137.197	1.00	0.00	H
ATOM	90	H3'	G A	3	7.582	1.226	137.803	1.00	0.00	H
ATOM	91	H22	G A	3	11.061	-6.341	137.307	1.00	0.00	H
ATOM	92	H4'	G A	3	8.814	0.229	139.924	1.00	0.00	H
ATOM	93	H2'1	G A	3	6.612	-0.784	136.918	1.00	0.00	H
ATOM	94	H2'2	G A	3	8.111	-0.721	136.004	1.00	0.00	H
ATOM	95	H5'1	G A	3	6.628	-0.905	140.736	1.00	0.00	H
ATOM	96	H5'2	G A	3	6.675	0.849	140.460	1.00	0.00	H
ATOM	97	C1'	C A	4	11.449	-3.631	134.367	1.00	0.00	C
ATOM	98	N1	C A	4	10.017	-4.035	134.289	1.00	0.00	N
ATOM	99	C2	C A	4	9.727	-5.392	134.171	1.00	0.00	C
ATOM	100	O2	C A	4	10.663	-6.201	134.135	1.00	0.00	O
ATOM	101	N3	C A	4	8.431	-5.779	134.099	1.00	0.00	N
ATOM	102	C4	C A	4	7.440	-4.878	134.138	1.00	0.00	C
ATOM	103	N4	C A	4	6.191	-5.313	134.068	1.00	0.00	N
ATOM	104	C5	C A	4	7.709	-3.476	134.258	1.00	0.00	C
ATOM	105	C6	C A	4	9.021	-3.109	134.331	1.00	0.00	C
ATOM	106	C2'	C A	4	11.764	-2.340	133.625	1.00	0.00	C
ATOM	107	C3'	C A	4	12.824	-1.712	134.518	1.00	0.00	C
ATOM	108	O3'	C A	4	14.100	-2.253	134.180	1.00	0.00	O
ATOM	109	C4'	C A	4	12.375	-2.122	135.918	1.00	0.00	C
ATOM	110	O4'	C A	4	11.768	-3.441	135.733	1.00	0.00	O
ATOM	111	C5'	C A	4	11.369	-1.219	136.592	1.00	0.00	C
ATOM	112	O5'	C A	4	10.436	-0.704	135.608	1.00	0.00	O
ATOM	113	O1P	C A	4	10.926	1.764	135.577	1.00	0.00	O
ATOM	114	O2P	C A	4	8.639	0.932	134.966	1.00	0.00	O
ATOM	115	P	C A	4	9.858	0.770	135.797	1.00	0.00	P
ATOM	116	H5	C A	4	6.907	-2.739	134.286	1.00	0.00	H
ATOM	117	H6	C A	4	9.276	-2.054	134.427	1.00	0.00	H
ATOM	118	H1'	C A	4	12.054	-4.455	133.992	1.00	0.00	H
ATOM	119	H3'	C A	4	12.853	-0.628	134.415	1.00	0.00	H
ATOM	120	H4'	C A	4	13.269	-2.149	136.542	1.00	0.00	H
ATOM	121	H41	C A	4	5.409	-4.641	134.098	1.00	0.00	H
ATOM	122	H42	C A	4	5.998	-6.322	133.981	1.00	0.00	H
ATOM	123	H2'1	C A	4	10.892	-1.693	133.531	1.00	0.00	H
ATOM	124	H2'2	C A	4	12.147	-2.522	132.620	1.00	0.00	H
ATOM	125	H5'1	C A	4	10.828	-1.786	137.350	1.00	0.00	H
ATOM	126	H5'2	C A	4	11.894	-0.393	137.070	1.00	0.00	H
ATOM	127	C1'	C A	5	13.137	-6.833	130.987	1.00	0.00	C
ATOM	128	N1	C A	5	11.742	-6.318	130.909	1.00	0.00	N
ATOM	129	C2	C A	5	10.710	-7.246	130.791	1.00	0.00	C
ATOM	130	O2	C A	5	10.990	-8.452	130.756	1.00	0.00	O
ATOM	131	N3	C A	5	9.433	-6.796	130.718	1.00	0.00	N
ATOM	132	C4	C A	5	9.160	-5.487	130.758	1.00	0.00	C
ATOM	133	N4	C A	5	7.895	-5.104	130.688	1.00	0.00	N
ATOM	134	C5	C A	5	10.203	-4.510	130.878	1.00	0.00	C

ATOM	135	C6	C A	5	11.479	-4.985	130.952	1.00	0.00	C
ATOM	136	C2'	C A	5	14.151	-5.972	130.246	1.00	0.00	C
ATOM	137	C3'	C A	5	15.377	-6.089	131.138	1.00	0.00	C
ATOM	138	O3'	C A	5	16.090	-7.276	130.800	1.00	0.00	O
ATOM	139	C4'	C A	5	14.772	-6.158	132.539	1.00	0.00	C
ATOM	140	O4'	C A	5	13.507	-6.867	132.353	1.00	0.00	O
ATOM	141	C5'	C A	5	14.490	-4.834	133.212	1.00	0.00	C
ATOM	142	O5'	C A	5	14.038	-3.870	132.228	1.00	0.00	O
ATOM	143	O1P	C A	5	15.885	-2.161	132.197	1.00	0.00	O
ATOM	144	O2P	C A	5	13.546	-1.491	131.586	1.00	0.00	O
ATOM	145	P	C A	5	14.436	-2.338	132.417	1.00	0.00	P
ATOM	146	H5	C A	5	9.987	-3.442	130.905	1.00	0.00	H
ATOM	147	H6	C A	5	12.306	-4.281	131.047	1.00	0.00	H
ATOM	148	H1'	C A	5	13.143	-7.856	130.612	1.00	0.00	H
ATOM	149	H3'	C A	5	16.039	-5.229	131.035	1.00	0.00	H
ATOM	150	H4'	C A	5	15.480	-6.703	133.163	1.00	0.00	H
ATOM	151	H41	C A	5	7.657	-4.102	130.718	1.00	0.00	H
ATOM	152	H42	C A	5	7.147	-5.809	130.601	1.00	0.00	H
ATOM	153	H2'1	C A	5	13.826	-4.938	130.152	1.00	0.00	H
ATOM	154	H2'2	C A	5	14.353	-6.347	129.241	1.00	0.00	H
ATOM	155	H5'1	C A	5	13.718	-4.977	133.971	1.00	0.00	H
ATOM	156	H5'2	C A	5	15.400	-4.475	133.690	1.00	0.00	H
ATOM	157	C1'	G A	6	12.619	-10.416	127.607	1.00	0.00	C
ATOM	158	N1	G A	6	7.886	-8.559	127.187	1.00	0.00	N
ATOM	159	C2	G A	6	8.325	-9.871	127.228	1.00	0.00	C
ATOM	160	N2	G A	6	7.379	-10.812	127.144	1.00	0.00	N
ATOM	161	N3	G A	6	9.607	-10.214	127.345	1.00	0.00	N
ATOM	162	C4	G A	6	10.428	-9.133	127.409	1.00	0.00	C
ATOM	163	C5	G A	6	10.081	-7.793	127.372	1.00	0.00	C
ATOM	164	C6	G A	6	8.721	-7.426	127.253	1.00	0.00	C
ATOM	165	O6	G A	6	8.221	-6.303	127.203	1.00	0.00	O
ATOM	166	N7	G A	6	11.224	-6.995	127.465	1.00	0.00	N
ATOM	167	C8	G A	6	12.203	-7.857	127.557	1.00	0.00	C
ATOM	168	N9	G A	6	11.800	-9.177	127.529	1.00	0.00	N
ATOM	169	C2'	G A	6	13.948	-10.320	126.870	1.00	0.00	C
ATOM	170	C3'	G A	6	14.867	-11.140	127.762	1.00	0.00	C
ATOM	171	O3'	G A	6	14.743	-12.519	127.423	1.00	0.00	O
ATOM	172	C4'	G A	6	14.335	-10.840	129.163	1.00	0.00	C
ATOM	173	O4'	G A	6	12.895	-10.666	128.973	1.00	0.00	O
ATOM	174	C5'	G A	6	14.886	-9.608	129.839	1.00	0.00	C
ATOM	175	O5'	G A	6	15.094	-8.560	128.860	1.00	0.00	O
ATOM	176	O1P	G A	6	17.594	-8.273	128.836	1.00	0.00	O
ATOM	177	O2P	G A	6	16.105	-6.348	128.224	1.00	0.00	O
ATOM	178	P	G A	6	16.321	-7.559	129.054	1.00	0.00	P
ATOM	179	H1	G A	6	6.871	-8.399	127.103	1.00	0.00	H
ATOM	180	H8	G A	6	13.249	-7.561	127.646	1.00	0.00	H
ATOM	181	H1'	G A	6	12.021	-11.245	127.228	1.00	0.00	H
ATOM	182	H21	G A	6	6.389	-10.539	127.058	1.00	0.00	H
ATOM	183	H3'	G A	6	15.909	-10.836	127.664	1.00	0.00	H
ATOM	184	H22	G A	6	7.640	-11.808	127.166	1.00	0.00	H
ATOM	185	H4'	G A	6	14.581	-11.700	129.785	1.00	0.00	H
ATOM	186	H2'1	G A	6	14.297	-9.292	126.779	1.00	0.00	H
ATOM	187	H2'2	G A	6	13.895	-10.738	125.864	1.00	0.00	H
ATOM	188	H5'1	G A	6	14.180	-9.268	130.597	1.00	0.00	H

ATOM	189	H5'2	G A	6	15.832	-9.855	130.321	1.00	0.00	H
ATOM	190	C1'	C A	7	10.097	-13.013	124.228	1.00	0.00	C
ATOM	191	N1	C A	7	10.156	-11.527	124.149	1.00	0.00	N
ATOM	192	C2	C A	7	8.954	-10.833	124.031	1.00	0.00	C
ATOM	193	O2	C A	7	7.895	-11.471	123.996	1.00	0.00	O
ATOM	194	N3	C A	7	8.986	-9.478	123.959	1.00	0.00	N
ATOM	195	C4	C A	7	10.148	-8.814	123.999	1.00	0.00	C
ATOM	196	N4	C A	7	10.121	-7.493	123.928	1.00	0.00	N
ATOM	197	C5	C A	7	11.400	-9.503	124.116	1.00	0.00	C
ATOM	198	C6	C A	7	11.344	-10.867	124.193	1.00	0.00	C
ATOM	199	C2'	C A	7	11.228	-13.712	123.487	1.00	0.00	C
ATOM	200	C3'	C A	7	11.496	-14.914	124.380	1.00	0.00	C
ATOM	201	O3'	C A	7	10.587	-15.961	124.042	1.00	0.00	O
ATOM	202	C4'	C A	7	11.244	-14.360	125.780	1.00	0.00	C
ATOM	203	O4'	C A	7	10.178	-13.375	125.593	1.00	0.00	O
ATOM	204	C5'	C A	7	12.415	-13.681	126.454	1.00	0.00	C
ATOM	205	O5'	C A	7	13.194	-12.954	125.469	1.00	0.00	O
ATOM	206	O1P	C A	7	15.390	-14.184	125.439	1.00	0.00	O
ATOM	207	O2P	C A	7	15.302	-11.752	124.827	1.00	0.00	O
ATOM	208	P	C A	7	14.774	-12.859	125.658	1.00	0.00	P
ATOM	209	H5	C A	7	12.350	-8.968	124.143	1.00	0.00	H
ATOM	210	H6	C A	7	12.269	-11.435	124.290	1.00	0.00	H
ATOM	211	H1'	C A	7	9.125	-13.335	123.853	1.00	0.00	H
ATOM	212	H3'	C A	7	12.519	-15.277	124.277	1.00	0.00	H
ATOM	213	H4'	C A	7	10.944	-15.201	126.404	1.00	0.00	H
ATOM	214	H41	C A	7	11.001	-6.956	123.959	1.00	0.00	H
ATOM	215	H42	C A	7	9.222	-6.997	123.841	1.00	0.00	H
ATOM	216	H2'1	C A	7	12.112	-13.083	123.393	1.00	0.00	H
ATOM	217	H2'2	C A	7	10.936	-14.021	122.482	1.00	0.00	H
ATOM	218	H5'1	C A	7	12.041	-12.991	127.212	1.00	0.00	H
ATOM	219	H5'2	C A	7	13.039	-14.436	126.932	1.00	0.00	H
ATOM	220	C1'	A A	8	6.535	-13.654	120.850	1.00	0.00	C
ATOM	221	N1	A A	8	6.813	-8.546	120.425	1.00	0.00	N
ATOM	222	C2	A A	8	5.786	-9.390	120.471	1.00	0.00	C
ATOM	223	N3	A A	8	5.783	-10.701	120.585	1.00	0.00	N
ATOM	224	C4	A A	8	7.046	-11.163	120.652	1.00	0.00	C
ATOM	225	C5	A A	8	8.202	-10.434	120.618	1.00	0.00	C
ATOM	226	C6	A A	8	8.060	-9.038	120.496	1.00	0.00	C
ATOM	227	N6	A A	8	9.106	-8.194	120.450	1.00	0.00	N
ATOM	228	N7	A A	8	9.313	-11.256	120.715	1.00	0.00	N
ATOM	229	C8	A A	8	8.810	-12.453	120.800	1.00	0.00	C
ATOM	230	N9	A A	8	7.439	-12.474	120.771	1.00	0.00	N
ATOM	231	C2'	A A	8	7.059	-14.879	120.113	1.00	0.00	C
ATOM	232	C3'	A A	8	6.583	-16.013	121.007	1.00	0.00	C
ATOM	233	O3'	A A	8	5.240	-16.343	120.665	1.00	0.00	O
ATOM	234	C4'	A A	8	6.692	-15.413	122.407	1.00	0.00	C
ATOM	235	O4'	A A	8	6.388	-13.993	122.215	1.00	0.00	O
ATOM	236	C5'	A A	8	8.036	-15.533	123.085	1.00	0.00	C
ATOM	237	O5'	A A	8	9.095	-15.388	122.105	1.00	0.00	O
ATOM	238	O1P	A A	8	10.181	-17.659	122.082	1.00	0.00	O
ATOM	239	O2P	A A	8	11.515	-15.623	121.471	1.00	0.00	O
ATOM	240	P	A A	8	10.440	-16.223	122.300	1.00	0.00	P
ATOM	241	H2	A A	8	4.802	-8.928	120.404	1.00	0.00	H
ATOM	242	H8	A A	8	9.418	-13.352	120.886	1.00	0.00	H

ATOM	243	H1'	A A	8	5.556	-13.359	120.471	1.00	0.00	H
ATOM	244	H3'	A A	8	7.209	-16.901	120.910	1.00	0.00	H
ATOM	245	H4'	A A	8	5.958	-15.924	123.028	1.00	0.00	H
ATOM	246	H61	A A	8	8.947	-7.182	120.363	1.00	0.00	H
ATOM	247	H62	A A	8	10.066	-8.565	120.502	1.00	0.00	H
ATOM	248	H2'1	A A	8	8.145	-14.874	120.024	1.00	0.00	H
ATOM	249	H2'2	A A	8	6.646	-14.964	119.108	1.00	0.00	H
ATOM	250	H5'1	A A	8	8.125	-14.752	123.841	1.00	0.00	H
ATOM	251	H5'2	A A	8	8.110	-16.508	123.565	1.00	0.00	H
ATOM	252	C1'	C A	9	3.280	-12.032	117.469	1.00	0.00	C
ATOM	253	N1	C A	9	4.711	-11.629	117.390	1.00	0.00	N
ATOM	254	C2	C A	9	5.002	-10.271	117.271	1.00	0.00	C
ATOM	255	O2	C A	9	4.066	-9.462	117.236	1.00	0.00	O
ATOM	256	N3	C A	9	6.298	-9.884	117.199	1.00	0.00	N
ATOM	257	C4	C A	9	7.289	-10.784	117.239	1.00	0.00	C
ATOM	258	N4	C A	9	8.539	-10.349	117.169	1.00	0.00	N
ATOM	259	C5	C A	9	7.021	-12.188	117.356	1.00	0.00	C
ATOM	260	C6	C A	9	5.707	-12.556	117.433	1.00	0.00	C
ATOM	261	C2'	C A	9	2.965	-13.324	116.727	1.00	0.00	C
ATOM	262	C3'	C A	9	1.905	-13.951	117.620	1.00	0.00	C
ATOM	263	O3'	C A	9	0.629	-13.410	117.283	1.00	0.00	O
ATOM	264	C4'	C A	9	2.354	-13.541	119.021	1.00	0.00	C
ATOM	265	O4'	C A	9	2.961	-12.222	118.834	1.00	0.00	O
ATOM	266	C5'	C A	9	3.360	-14.443	119.694	1.00	0.00	C
ATOM	267	O5'	C A	9	4.293	-14.959	118.710	1.00	0.00	O
ATOM	268	O1P	C A	9	3.803	-17.427	118.679	1.00	0.00	O
ATOM	269	O2P	C A	9	6.090	-16.595	118.068	1.00	0.00	O
ATOM	270	P	C A	9	4.871	-16.433	118.899	1.00	0.00	P
ATOM	271	H5	C A	9	7.824	-12.924	117.384	1.00	0.00	H
ATOM	272	H6	C A	9	5.452	-13.610	117.531	1.00	0.00	H
ATOM	273	H1'	C A	9	2.674	-11.208	117.093	1.00	0.00	H
ATOM	274	H3'	C A	9	1.876	-15.035	117.518	1.00	0.00	H
ATOM	275	H4'	C A	9	1.461	-13.514	119.644	1.00	0.00	H
ATOM	276	H41	C A	9	9.321	-11.020	117.200	1.00	0.00	H
ATOM	277	H42	C A	9	8.729	-9.341	117.081	1.00	0.00	H
ATOM	278	H2'1	C A	9	3.836	-13.971	116.633	1.00	0.00	H
ATOM	279	H2'2	C A	9	2.582	-13.141	115.723	1.00	0.00	H
ATOM	280	H5'1	C A	9	3.901	-13.876	120.452	1.00	0.00	H
ATOM	281	H5'2	C A	9	2.835	-15.270	120.173	1.00	0.00	H
ATOM	282	C1'	C A	10	1.592	-8.831	114.088	1.00	0.00	C
ATOM	283	N1	C A	10	2.986	-9.346	114.010	1.00	0.00	N
ATOM	284	C2	C A	10	4.019	-8.418	113.891	1.00	0.00	C
ATOM	285	O2	C A	10	3.739	-7.212	113.856	1.00	0.00	O
ATOM	286	N3	C A	10	5.296	-8.866	113.819	1.00	0.00	N
ATOM	287	C4	C A	10	5.569	-10.177	113.859	1.00	0.00	C
ATOM	288	N4	C A	10	6.836	-10.560	113.789	1.00	0.00	N
ATOM	289	C5	C A	10	4.526	-11.155	113.977	1.00	0.00	C
ATOM	290	C6	C A	10	3.248	-10.679	114.053	1.00	0.00	C
ATOM	291	C2'	C A	10	0.578	-9.691	113.347	1.00	0.00	C
ATOM	292	C3'	C A	10	-0.649	-9.575	114.240	1.00	0.00	C
ATOM	293	O3'	C A	10	-1.362	-8.387	113.902	1.00	0.00	O
ATOM	294	C4'	C A	10	-0.044	-9.507	115.640	1.00	0.00	C
ATOM	295	O4'	C A	10	1.222	-8.796	115.454	1.00	0.00	O
ATOM	296	C5'	C A	10	0.239	-10.829	116.314	1.00	0.00	C

ATOM	297	O5'	C	A	10	0.691	-11.794	115.330	1.00	0.00	O
ATOM	298	O1P	C	A	10	-1.157	-13.502	115.299	1.00	0.00	O
ATOM	299	O2P	C	A	10	1.183	-14.173	114.689	1.00	0.00	O
ATOM	300	P	C	A	10	0.292	-13.326	115.519	1.00	0.00	P
ATOM	301	H5	C	A	10	4.743	-12.223	114.004	1.00	0.00	H
ATOM	302	H6	C	A	10	2.422	-11.384	114.151	1.00	0.00	H
ATOM	303	H1'	C	A	10	1.585	-7.807	113.713	1.00	0.00	H
ATOM	304	H3'	C	A	10	-1.311	-10.435	114.137	1.00	0.00	H
ATOM	305	H4'	C	A	10	-0.752	-8.960	116.264	1.00	0.00	H
ATOM	306	H41	C	A	10	7.073	-11.562	113.820	1.00	0.00	H
ATOM	307	H42	C	A	10	7.582	-9.856	113.701	1.00	0.00	H
ATOM	308	H2'1	C	A	10	0.902	-10.726	113.253	1.00	0.00	H
ATOM	309	H2'2	C	A	10	0.375	-9.318	112.342	1.00	0.00	H
ATOM	310	H5'1	C	A	10	1.011	-10.687	117.072	1.00	0.00	H
ATOM	311	H5'2	C	A	10	-0.671	-11.188	116.792	1.00	0.00	H
ATOM	312	C1'	T	A	11	2.085	-5.247	110.709	1.00	0.00	C
ATOM	313	N1	T	A	11	2.927	-6.469	110.628	1.00	0.00	N
ATOM	314	C2	T	A	11	4.290	-6.288	110.509	1.00	0.00	C
ATOM	315	O2	T	A	11	4.809	-5.184	110.469	1.00	0.00	O
ATOM	316	N3	T	A	11	5.037	-7.449	110.438	1.00	0.00	N
ATOM	317	C4	T	A	11	4.551	-8.741	110.471	1.00	0.00	C
ATOM	318	O4	T	A	11	5.320	-9.708	110.397	1.00	0.00	O
ATOM	319	C5	T	A	11	3.116	-8.830	110.598	1.00	0.00	C
ATOM	320	C6	T	A	11	2.358	-7.718	110.671	1.00	0.00	C
ATOM	321	C7	T	A	11	2.544	-10.216	110.640	1.00	0.00	C
ATOM	322	C2'	T	A	11	0.757	-5.366	109.971	1.00	0.00	C
ATOM	323	C3'	T	A	11	-0.177	-4.567	110.864	1.00	0.00	C
ATOM	324	O3'	T	A	11	-0.080	-3.184	110.528	1.00	0.00	O
ATOM	325	C4'	T	A	11	0.358	-4.860	112.263	1.00	0.00	C
ATOM	326	O4'	T	A	11	1.802	-5.006	112.074	1.00	0.00	O
ATOM	327	C5'	T	A	11	-0.169	-6.105	112.939	1.00	0.00	C
ATOM	328	O5'	T	A	11	-0.356	-7.153	111.955	1.00	0.00	O
ATOM	329	O1P	T	A	11	-2.850	-7.488	111.927	1.00	0.00	O
ATOM	330	O2P	T	A	11	-1.324	-9.381	111.311	1.00	0.00	O
ATOM	331	P	T	A	11	-1.563	-8.177	112.144	1.00	0.00	P
ATOM	332	H3	T	A	11	6.057	-7.341	110.353	1.00	0.00	H
ATOM	333	H6	T	A	11	1.275	-7.810	110.766	1.00	0.00	H
ATOM	334	H1'	T	A	11	2.665	-4.405	110.333	1.00	0.00	H
ATOM	335	H3'	T	A	11	-1.212	-4.890	110.764	1.00	0.00	H
ATOM	336	H4'	T	A	11	0.095	-4.006	112.889	1.00	0.00	H
ATOM	337	H71	T	A	11	1.934	-10.385	109.754	1.00	0.00	H
ATOM	338	H72	T	A	11	3.356	-10.943	110.666	1.00	0.00	H
ATOM	339	H73	T	A	11	1.928	-10.330	111.532	1.00	0.00	H
ATOM	340	H2'1	T	A	11	0.429	-6.400	109.877	1.00	0.00	H
ATOM	341	H2'2	T	A	11	0.803	-4.945	108.965	1.00	0.00	H
ATOM	342	H5'1	T	A	11	0.544	-6.433	113.694	1.00	0.00	H
ATOM	343	H5'2	T	A	11	-1.121	-5.876	113.418	1.00	0.00	H
ATOM	344	C1'	A	A	12	4.613	-2.637	107.329	1.00	0.00	C
ATOM	345	N1	A	A	12	7.390	-6.933	106.906	1.00	0.00	N
ATOM	346	C2	A	A	12	7.724	-5.647	106.950	1.00	0.00	C
ATOM	347	N3	A	A	12	6.954	-4.585	107.064	1.00	0.00	N
ATOM	348	C4	A	A	12	5.663	-4.952	107.132	1.00	0.00	C
ATOM	349	C5	A	A	12	5.155	-6.220	107.099	1.00	0.00	C
ATOM	350	C6	A	A	12	6.093	-7.269	106.976	1.00	0.00	C

ATOM	351	N6	A	A	12	5.741	-8.565	106.931	1.00	0.00	N
ATOM	352	N7	A	A	12	3.776	-6.210	107.195	1.00	0.00	N
ATOM	353	C8	A	A	12	3.478	-4.947	107.279	1.00	0.00	C
ATOM	354	N9	A	A	12	4.574	-4.123	107.249	1.00	0.00	N
ATOM	355	C2'	A	A	12	3.468	-1.955	106.592	1.00	0.00	C
ATOM	356	C3'	A	A	12	3.186	-0.757	107.485	1.00	0.00	C
ATOM	357	O3'	A	A	12	4.079	0.301	107.143	1.00	0.00	O
ATOM	358	C4'	A	A	12	3.451	-1.307	108.886	1.00	0.00	C
ATOM	359	O4'	A	A	12	4.531	-2.275	108.694	1.00	0.00	O
ATOM	360	C5'	A	A	12	2.294	-1.999	109.564	1.00	0.00	C
ATOM	361	O5'	A	A	12	1.522	-2.739	108.584	1.00	0.00	O
ATOM	362	O1P	A	A	12	-0.692	-1.540	108.560	1.00	0.00	O
ATOM	363	O2P	A	A	12	-0.575	-3.971	107.950	1.00	0.00	O
ATOM	364	P	A	A	12	-0.057	-2.854	108.779	1.00	0.00	P
ATOM	365	H2	A	A	12	8.793	-5.442	106.884	1.00	0.00	H
ATOM	366	H8	A	A	12	2.456	-4.576	107.365	1.00	0.00	H
ATOM	367	H1'	A	A	12	5.577	-2.301	106.949	1.00	0.00	H
ATOM	368	H3'	A	A	12	2.159	-0.407	107.388	1.00	0.00	H
ATOM	369	H4'	A	A	12	3.743	-0.460	109.507	1.00	0.00	H
ATOM	370	H61	A	A	12	6.465	-9.292	106.843	1.00	0.00	H
ATOM	371	H62	A	A	12	4.746	-8.831	106.983	1.00	0.00	H
ATOM	372	H2'1	A	A	12	2.593	-2.596	106.502	1.00	0.00	H
ATOM	373	H2'2	A	A	12	3.752	-1.644	105.587	1.00	0.00	H
ATOM	374	H5'1	A	A	12	2.680	-2.682	110.320	1.00	0.00	H
ATOM	375	H5'2	A	A	12	1.661	-1.254	110.044	1.00	0.00	H
ATOM	376	C1'	G	A	13	8.197	-2.038	103.947	1.00	0.00	C
ATOM	377	N1	G	A	13	7.893	-7.112	103.527	1.00	0.00	N
ATOM	378	C2	G	A	13	9.005	-6.291	103.568	1.00	0.00	C
ATOM	379	N2	G	A	13	10.196	-6.901	103.483	1.00	0.00	N
ATOM	380	N3	G	A	13	8.935	-4.966	103.683	1.00	0.00	N
ATOM	381	C4	G	A	13	7.655	-4.518	103.749	1.00	0.00	C
ATOM	382	C5	G	A	13	6.487	-5.263	103.712	1.00	0.00	C
ATOM	383	C6	G	A	13	6.560	-6.670	103.593	1.00	0.00	C
ATOM	384	O6	G	A	13	5.644	-7.492	103.543	1.00	0.00	O
ATOM	385	N7	G	A	13	5.376	-4.422	103.805	1.00	0.00	N
ATOM	386	C8	G	A	13	5.892	-3.224	103.897	1.00	0.00	C
ATOM	387	N9	G	A	13	7.272	-3.201	103.868	1.00	0.00	N
ATOM	388	C2'	G	A	13	7.696	-0.803	103.209	1.00	0.00	C
ATOM	389	C3'	G	A	13	8.190	0.323	104.101	1.00	0.00	C
ATOM	390	O3'	G	A	13	9.541	0.631	103.761	1.00	0.00	O
ATOM	391	C4'	G	A	13	8.070	-0.275	105.502	1.00	0.00	C
ATOM	392	O4'	G	A	13	8.350	-1.699	105.312	1.00	0.00	O
ATOM	393	C5'	G	A	13	6.728	-0.132	106.180	1.00	0.00	C
ATOM	394	O5'	G	A	13	5.668	-0.258	105.200	1.00	0.00	O
ATOM	395	O1P	G	A	13	4.622	2.031	105.175	1.00	0.00	O
ATOM	396	O2P	G	A	13	3.253	0.020	104.565	1.00	0.00	O
ATOM	397	P	G	A	13	4.338	0.600	105.394	1.00	0.00	P
ATOM	398	H1	G	A	13	8.056	-8.128	103.442	1.00	0.00	H
ATOM	399	H8	G	A	13	5.288	-2.322	103.986	1.00	0.00	H
ATOM	400	H1'	G	A	13	9.171	-2.351	103.567	1.00	0.00	H
ATOM	401	H21	G	A	13	10.240	-7.928	103.397	1.00	0.00	H
ATOM	402	H3'	G	A	13	7.580	1.221	104.003	1.00	0.00	H
ATOM	403	H22	G	A	13	11.059	-6.345	103.505	1.00	0.00	H
ATOM	404	H4'	G	A	13	8.813	0.225	106.124	1.00	0.00	H

ATOM	405	H2'1	G A	13	6.609	-0.789	103.118	1.00	0.00	H
ATOM	406	H2'2	G A	13	8.110	-0.725	102.203	1.00	0.00	H
ATOM	407	H5'1	G A	13	6.625	-0.909	106.937	1.00	0.00	H
ATOM	408	H5'2	G A	13	6.672	0.844	106.660	1.00	0.00	H
ATOM	409	C1'	G A	14	11.445	-3.636	100.566	1.00	0.00	C
ATOM	410	N1	G A	14	8.217	-7.563	100.147	1.00	0.00	N
ATOM	411	C2	G A	14	9.599	-7.551	100.188	1.00	0.00	C
ATOM	412	N2	G A	14	10.202	-8.743	100.103	1.00	0.00	N
ATOM	413	N3	G A	14	10.323	-6.438	100.304	1.00	0.00	N
ATOM	414	C4	G A	14	9.548	-5.324	100.368	1.00	0.00	C
ATOM	415	C5	G A	14	8.166	-5.240	100.332	1.00	0.00	C
ATOM	416	C6	G A	14	7.397	-6.419	100.213	1.00	0.00	C
ATOM	417	O6	G A	14	6.174	-6.549	100.163	1.00	0.00	O
ATOM	418	N7	G A	14	7.762	-3.906	100.425	1.00	0.00	N
ATOM	419	C8	G A	14	8.884	-3.241	100.516	1.00	0.00	C
ATOM	420	N9	G A	14	10.013	-4.032	100.488	1.00	0.00	N
ATOM	421	C2'	G A	14	11.764	-2.342	99.829	1.00	0.00	C
ATOM	422	C3'	G A	14	12.828	-1.722	100.721	1.00	0.00	C
ATOM	423	O3'	G A	14	14.100	-2.266	100.381	1.00	0.00	O
ATOM	424	C4'	G A	14	12.378	-2.136	102.122	1.00	0.00	C
ATOM	425	O4'	G A	14	11.768	-3.451	101.931	1.00	0.00	O
ATOM	426	C5'	G A	14	11.376	-1.231	102.799	1.00	0.00	C
ATOM	427	O5'	G A	14	10.445	-0.710	101.819	1.00	0.00	O
ATOM	428	O1P	G A	14	10.944	1.757	101.795	1.00	0.00	O
ATOM	429	O2P	G A	14	8.654	0.936	101.184	1.00	0.00	O
ATOM	430	P	G A	14	9.873	0.767	102.013	1.00	0.00	P
ATOM	431	H1	G A	14	7.751	-8.480	100.062	1.00	0.00	H
ATOM	432	H8	G A	14	8.924	-2.155	100.606	1.00	0.00	H
ATOM	433	H1'	G A	14	12.048	-4.461	100.187	1.00	0.00	H
ATOM	434	H21	G A	14	9.637	-9.601	100.017	1.00	0.00	H
ATOM	435	H3'	G A	14	12.860	-0.637	100.623	1.00	0.00	H
ATOM	436	H22	G A	14	11.229	-8.802	100.125	1.00	0.00	H
ATOM	437	H4'	G A	14	13.272	-2.167	102.744	1.00	0.00	H
ATOM	438	H2'1	G A	14	10.894	-1.693	99.738	1.00	0.00	H
ATOM	439	H2'2	G A	14	12.146	-2.523	98.823	1.00	0.00	H
ATOM	440	H5'1	G A	14	10.836	-1.799	103.556	1.00	0.00	H
ATOM	441	H5'2	G A	14	11.905	-0.407	103.280	1.00	0.00	H
ATOM	442	C1'	A A	15	13.155	-6.825	97.189	1.00	0.00	C
ATOM	443	N1	A A	15	8.211	-8.138	96.765	1.00	0.00	N
ATOM	444	C2	A A	15	9.332	-8.855	96.810	1.00	0.00	C
ATOM	445	N3	A A	15	10.579	-8.452	96.924	1.00	0.00	N
ATOM	446	C4	A A	15	10.628	-7.108	96.992	1.00	0.00	C
ATOM	447	C5	A A	15	9.580	-6.234	96.958	1.00	0.00	C
ATOM	448	C6	A A	15	8.293	-6.801	96.836	1.00	0.00	C
ATOM	449	N6	A A	15	7.169	-6.065	96.790	1.00	0.00	N
ATOM	450	N7	A A	15	10.016	-4.924	97.053	1.00	0.00	N
ATOM	451	C8	A A	15	11.310	-5.032	97.138	1.00	0.00	C
ATOM	452	N9	A A	15	11.755	-6.330	97.110	1.00	0.00	N
ATOM	453	C2'	A A	15	14.159	-5.948	96.451	1.00	0.00	C
ATOM	454	C3'	A A	15	15.385	-6.051	97.344	1.00	0.00	C
ATOM	455	O3'	A A	15	16.114	-7.225	97.003	1.00	0.00	O
ATOM	456	C4'	A A	15	14.780	-6.131	98.745	1.00	0.00	C
ATOM	457	O4'	A A	15	13.524	-6.859	98.554	1.00	0.00	O
ATOM	458	C5'	A A	15	14.478	-4.817	99.423	1.00	0.00	C

ATOM	459	O5'	A	A	15	14.014	-3.854	98.443	1.00	0.00	O
ATOM	460	O1P	A	A	15	15.838	-2.120	98.420	1.00	0.00	O
ATOM	461	O2P	A	A	15	13.490	-1.479	97.809	1.00	0.00	O
ATOM	462	P	A	A	15	14.391	-2.317	98.638	1.00	0.00	P
ATOM	463	H2	A	A	15	9.196	-9.934	96.744	1.00	0.00	H
ATOM	464	H8	A	A	15	11.977	-4.176	97.224	1.00	0.00	H
ATOM	465	H1'	A	A	15	13.176	-7.847	96.810	1.00	0.00	H
ATOM	466	H3'	A	A	15	16.035	-5.181	97.247	1.00	0.00	H
ATOM	467	H4'	A	A	15	15.494	-6.671	99.367	1.00	0.00	H
ATOM	468	H61	A	A	15	6.255	-6.532	96.703	1.00	0.00	H
ATOM	469	H62	A	A	15	7.224	-5.038	96.842	1.00	0.00	H
ATOM	470	H2'1	A	A	15	13.817	-4.917	96.361	1.00	0.00	H
ATOM	471	H2'2	A	A	15	14.368	-6.314	95.447	1.00	0.00	H
ATOM	472	H5'1	A	A	15	13.709	-4.973	100.179	1.00	0.00	H
ATOM	473	H5'2	A	A	15	15.382	-4.445	99.903	1.00	0.00	H
ATOM	474	C1'	C	A	16	12.617	-10.422	93.807	1.00	0.00	C
ATOM	475	N1	C	A	16	11.792	-9.185	93.729	1.00	0.00	N
ATOM	476	C2	C	A	16	10.412	-9.328	93.611	1.00	0.00	C
ATOM	477	O2	C	A	16	9.931	-10.469	93.575	1.00	0.00	O
ATOM	478	N3	C	A	16	9.642	-8.215	93.538	1.00	0.00	N
ATOM	479	C4	C	A	16	10.193	-6.995	93.579	1.00	0.00	C
ATOM	480	N4	C	A	16	9.392	-5.941	93.508	1.00	0.00	N
ATOM	481	C5	C	A	16	11.610	-6.816	93.696	1.00	0.00	C
ATOM	482	C6	C	A	16	12.366	-7.952	93.772	1.00	0.00	C
ATOM	483	C2'	C	A	16	13.944	-10.323	93.066	1.00	0.00	C
ATOM	484	C3'	C	A	16	14.867	-11.137	93.959	1.00	0.00	C
ATOM	485	O3'	C	A	16	14.748	-12.517	93.621	1.00	0.00	O
ATOM	486	C4'	C	A	16	14.337	-10.836	95.360	1.00	0.00	C
ATOM	487	O4'	C	A	16	12.897	-10.667	95.173	1.00	0.00	O
ATOM	488	C5'	C	A	16	14.887	-9.599	96.033	1.00	0.00	C
ATOM	489	O5'	C	A	16	15.088	-8.555	95.049	1.00	0.00	O
ATOM	490	O1P	C	A	16	17.588	-8.257	95.017	1.00	0.00	O
ATOM	491	O2P	C	A	16	16.090	-6.341	94.406	1.00	0.00	O
ATOM	492	P	C	A	16	16.312	-7.548	95.238	1.00	0.00	P
ATOM	493	H5	C	A	16	12.063	-5.824	93.722	1.00	0.00	H
ATOM	494	H6	C	A	16	13.448	-7.868	93.870	1.00	0.00	H
ATOM	495	H1'	C	A	16	12.021	-11.254	93.433	1.00	0.00	H
ATOM	496	H3'	C	A	16	15.908	-10.828	93.856	1.00	0.00	H
ATOM	497	H4'	C	A	16	14.590	-11.693	95.984	1.00	0.00	H
ATOM	498	H41	C	A	16	9.789	-4.989	93.539	1.00	0.00	H
ATOM	499	H42	C	A	16	8.374	-6.070	93.421	1.00	0.00	H
ATOM	500	H2'1	C	A	16	14.289	-9.294	92.972	1.00	0.00	H
ATOM	501	H2'2	C	A	16	13.888	-10.743	92.062	1.00	0.00	H
ATOM	502	H5'1	C	A	16	14.179	-9.262	96.791	1.00	0.00	H
ATOM	503	H5'2	C	A	16	15.835	-9.844	96.511	1.00	0.00	H
ATOM	504	C1'	G	A	17	10.094	-13.016	90.428	1.00	0.00	C
ATOM	505	N1	G	A	17	7.357	-8.732	90.008	1.00	0.00	N
ATOM	506	C2	G	A	17	6.942	-10.052	90.048	1.00	0.00	C
ATOM	507	N2	G	A	17	5.621	-10.256	89.964	1.00	0.00	N
ATOM	508	N3	G	A	17	7.775	-11.083	90.165	1.00	0.00	N
ATOM	509	C4	G	A	17	9.075	-10.690	90.229	1.00	0.00	C
ATOM	510	C5	G	A	17	9.583	-9.403	90.193	1.00	0.00	C
ATOM	511	C6	G	A	17	8.699	-8.307	90.073	1.00	0.00	C
ATOM	512	O6	G	A	17	8.953	-7.103	90.023	1.00	0.00	O

ATOM	513	N7	G A	17	10.977	-9.430	90.286	1.00	0.00	N
ATOM	514	C8	G A	17	11.262	-10.703	90.377	1.00	0.00	C
ATOM	515	N9	G A	17	10.159	-11.532	90.349	1.00	0.00	N
ATOM	516	C2'	G A	17	11.225	-13.721	89.691	1.00	0.00	C
ATOM	517	C3'	G A	17	11.488	-14.922	90.583	1.00	0.00	C
ATOM	518	O3'	G A	17	10.577	-15.966	90.243	1.00	0.00	O
ATOM	519	C4'	G A	17	11.233	-14.367	91.984	1.00	0.00	C
ATOM	520	O4'	G A	17	10.170	-13.380	91.793	1.00	0.00	O
ATOM	521	C5'	G A	17	12.403	-13.694	92.661	1.00	0.00	C
ATOM	522	O5'	G A	17	13.187	-12.969	91.680	1.00	0.00	O
ATOM	523	O1P	G A	17	15.379	-14.206	91.657	1.00	0.00	O
ATOM	524	O2P	G A	17	15.304	-11.774	91.045	1.00	0.00	O
ATOM	525	P	G A	17	14.767	-12.881	91.874	1.00	0.00	P
ATOM	526	H1	G A	17	6.629	-8.006	89.922	1.00	0.00	H
ATOM	527	H8	G A	17	12.283	-11.077	90.467	1.00	0.00	H
ATOM	528	H1'	G A	17	9.123	-13.336	90.049	1.00	0.00	H
ATOM	529	H21	G A	17	4.981	-9.453	89.877	1.00	0.00	H
ATOM	530	H3'	G A	17	12.510	-15.289	90.485	1.00	0.00	H
ATOM	531	H22	G A	17	5.247	-11.216	89.986	1.00	0.00	H
ATOM	532	H4'	G A	17	10.927	-15.207	92.606	1.00	0.00	H
ATOM	533	H2'1	G A	17	12.112	-13.093	89.600	1.00	0.00	H
ATOM	534	H2'2	G A	17	10.936	-14.027	88.685	1.00	0.00	H
ATOM	535	H5'1	G A	17	12.030	-13.004	93.418	1.00	0.00	H
ATOM	536	H5'2	G A	17	13.022	-14.451	93.142	1.00	0.00	H
ATOM	537	C1'	G A	18	6.528	-13.634	87.048	1.00	0.00	C
ATOM	538	N1	G A	18	6.832	-8.559	86.628	1.00	0.00	N
ATOM	539	C2	G A	18	5.719	-9.382	86.668	1.00	0.00	C
ATOM	540	N2	G A	18	4.530	-8.771	86.584	1.00	0.00	N
ATOM	541	N3	G A	18	5.788	-10.706	86.785	1.00	0.00	N
ATOM	542	C4	G A	18	7.070	-11.153	86.849	1.00	0.00	C
ATOM	543	C5	G A	18	8.238	-10.410	86.813	1.00	0.00	C
ATOM	544	C6	G A	18	8.165	-9.002	86.693	1.00	0.00	C
ATOM	545	O6	G A	18	9.081	-8.180	86.643	1.00	0.00	O
ATOM	546	N7	G A	18	9.348	-11.249	86.905	1.00	0.00	N
ATOM	547	C8	G A	18	8.832	-12.447	86.998	1.00	0.00	C
ATOM	548	N9	G A	18	7.453	-12.471	86.970	1.00	0.00	N
ATOM	549	C2'	G A	18	7.029	-14.868	86.312	1.00	0.00	C
ATOM	550	C3'	G A	18	6.534	-15.994	87.204	1.00	0.00	C
ATOM	551	O3'	G A	18	5.184	-16.302	86.864	1.00	0.00	O
ATOM	552	C4'	G A	18	6.654	-15.396	88.605	1.00	0.00	C
ATOM	553	O4'	G A	18	6.375	-13.972	88.413	1.00	0.00	O
ATOM	554	C5'	G A	18	7.997	-15.538	89.282	1.00	0.00	C
ATOM	555	O5'	G A	18	9.057	-15.414	88.301	1.00	0.00	O
ATOM	556	O1P	G A	18	10.103	-17.702	88.277	1.00	0.00	O
ATOM	557	O2P	G A	18	11.473	-15.691	87.666	1.00	0.00	O
ATOM	558	P	G A	18	10.388	-16.271	88.495	1.00	0.00	P
ATOM	559	H1	G A	18	6.669	-7.544	86.543	1.00	0.00	H
ATOM	560	H8	G A	18	9.437	-13.350	87.088	1.00	0.00	H
ATOM	561	H1'	G A	18	5.555	-13.321	86.669	1.00	0.00	H
ATOM	562	H21	G A	18	4.485	-7.744	86.497	1.00	0.00	H
ATOM	563	H3'	G A	18	7.146	-16.892	87.106	1.00	0.00	H
ATOM	564	H22	G A	18	3.665	-9.326	86.605	1.00	0.00	H
ATOM	565	H4'	G A	18	5.912	-15.896	89.226	1.00	0.00	H
ATOM	566	H2'1	G A	18	8.115	-14.882	86.220	1.00	0.00	H

ATOM	567	H2'2	G A	18	6.615	-14.946	85.305	1.00	0.00	H
ATOM	568	H5'1	G A	18	8.100	-14.761	90.039	1.00	0.00	H
ATOM	569	H5'2	G A	18	8.053	-16.514	89.762	1.00	0.00	H
ATOM	570	C1'	T A	19	3.271	-12.059	83.670	1.00	0.00	C
ATOM	571	N1	T A	19	4.693	-11.634	83.589	1.00	0.00	N
ATOM	572	C2	T A	19	4.943	-10.283	83.470	1.00	0.00	C
ATOM	573	O2	T A	19	4.053	-9.449	83.430	1.00	0.00	O
ATOM	574	N3	T A	19	6.278	-9.933	83.398	1.00	0.00	N
ATOM	575	C4	T A	19	7.356	-10.792	83.431	1.00	0.00	C
ATOM	576	O4	T A	19	8.512	-10.360	83.357	1.00	0.00	O
ATOM	577	C5	T A	19	6.997	-12.185	83.557	1.00	0.00	C
ATOM	578	C6	T A	19	5.705	-12.563	83.631	1.00	0.00	C
ATOM	579	C7	T A	19	8.138	-13.156	83.601	1.00	0.00	C
ATOM	580	C2'	T A	19	2.974	-13.358	82.931	1.00	0.00	C
ATOM	581	C3'	T A	19	1.924	-13.999	83.825	1.00	0.00	C
ATOM	582	O3'	T A	19	0.640	-13.478	83.489	1.00	0.00	O
ATOM	583	C4'	T A	19	2.370	-13.580	85.224	1.00	0.00	C
ATOM	584	O4'	T A	19	2.954	-12.253	85.035	1.00	0.00	O
ATOM	585	C5'	T A	19	3.390	-14.467	85.899	1.00	0.00	C
ATOM	586	O5'	T A	19	4.329	-14.969	84.915	1.00	0.00	O
ATOM	587	O1P	T A	19	3.876	-17.444	84.888	1.00	0.00	O
ATOM	588	O2P	T A	19	6.149	-16.577	84.273	1.00	0.00	O
ATOM	589	P	T A	19	4.930	-16.433	85.104	1.00	0.00	P
ATOM	590	H3	T A	19	6.490	-8.928	83.314	1.00	0.00	H
ATOM	591	H6	T A	19	5.459	-13.621	83.726	1.00	0.00	H
ATOM	592	H1'	T A	19	2.649	-11.246	83.294	1.00	0.00	H
ATOM	593	H3'	T A	19	1.912	-15.084	83.725	1.00	0.00	H
ATOM	594	H4'	T A	19	1.476	-13.567	85.851	1.00	0.00	H
ATOM	595	H71	T A	19	8.111	-13.790	82.714	1.00	0.00	H
ATOM	596	H72	T A	19	9.081	-12.609	83.626	1.00	0.00	H
ATOM	597	H73	T A	19	8.056	-13.779	84.493	1.00	0.00	H
ATOM	598	H2'1	T A	19	3.856	-13.989	82.838	1.00	0.00	H
ATOM	599	H2'2	T A	19	2.587	-13.183	81.926	1.00	0.00	H
ATOM	600	H5'1	T A	19	3.922	-13.890	86.655	1.00	0.00	H
ATOM	601	H5'2	T A	19	2.879	-15.300	86.379	1.00	0.00	H
ATOM	602	C01	LNK A	20	-1.733	-14.427	80.783	0.00	0.00	C
ATOM	603	O1	LNK A	20	-0.479	-14.557	81.459	1.00	0.00	O
ATOM	604	S	LNK A	20	-3.570	-15.866	77.558	0.00	0.00	S
ATOM	605	C02	LNK A	20	-1.743	-15.343	79.544	0.00	0.00	C
ATOM	606	C03	LNK A	20	-2.508	-14.650	78.399	0.00	0.00	C
ATOM	607	O1P	LNK A	20	1.692	-13.341	81.075	1.00	0.00	O
ATOM	608	O2P	LNK A	20	-0.432	-12.045	81.415	1.00	0.00	O
ATOM	609	P	LNK A	20	0.379	-13.243	81.744	1.00	0.00	P
ATOM	610	H01	LNK A	20	-1.873	-13.392	80.471	0.00	0.00	H
ATOM	611	H02	LNK A	20	-2.541	-14.716	81.454	0.00	0.00	H
ATOM	612	H03	LNK A	20	-1.797	-14.234	77.686	0.00	0.00	H
ATOM	613	H04	LNK A	20	-2.233	-16.284	79.792	0.00	0.00	H
ATOM	614	H05	LNK A	20	-0.719	-15.539	79.228	0.00	0.00	H
ATOM	615	H06	LNK A	20	-3.125	-13.850	78.807	0.00	0.00	H
ATOM	616	AU	LNK A	20	-3.833	-15.586	76.990			
TER										
ATOM	618	C1'	A B	2	7.268	-1.958	82.726	1.00	0.00	C
ATOM	619	N1	A B	2	6.904	-7.060	83.147	1.00	0.00	N
ATOM	620	C2	A B	2	5.991	-6.096	83.106	1.00	0.00	C

ATOM	621	N3	A B	2	6.153	-4.794	82.992	1.00	0.00	N
ATOM	622	C4	A B	2	7.463	-4.493	82.921	1.00	0.00	C
ATOM	623	C5	A B	2	8.519	-5.360	82.951	1.00	0.00	C
ATOM	624	C6	A B	2	8.203	-6.731	83.073	1.00	0.00	C
ATOM	625	N6	A B	2	9.135	-7.698	83.115	1.00	0.00	N
ATOM	626	N7	A B	2	9.723	-4.685	82.852	1.00	0.00	N
ATOM	627	C8	A B	2	9.374	-3.436	82.769	1.00	0.00	C
ATOM	628	N9	A B	2	8.017	-3.242	82.801	1.00	0.00	N
ATOM	629	C2'	A B	2	7.944	-0.809	83.462	1.00	0.00	C
ATOM	630	C3'	A B	2	7.611	0.377	82.572	1.00	0.00	C
ATOM	631	O3'	A B	2	6.320	0.874	82.916	1.00	0.00	O
ATOM	632	C4'	A B	2	7.642	-0.231	81.171	1.00	0.00	C
ATOM	633	O4'	A B	2	7.163	-1.602	81.362	1.00	0.00	O
ATOM	634	C5'	A B	2	8.988	-0.280	80.488	1.00	0.00	C
ATOM	635	O5'	A B	2	10.023	-0.557	81.465	1.00	0.00	O
ATOM	636	H2	A B	2	4.957	-6.429	83.174	1.00	0.00	H
ATOM	637	H8	A B	2	10.092	-2.620	82.683	1.00	0.00	H
ATOM	638	H1'	A B	2	6.261	-2.128	83.108	1.00	0.00	H
ATOM	639	H3'	A B	2	8.343	1.179	82.668	1.00	0.00	H
ATOM	640	H4'	A B	2	6.976	0.369	80.551	1.00	0.00	H
ATOM	641	H61	A B	2	8.851	-8.682	83.202	1.00	0.00	H
ATOM	642	H62	A B	2	10.135	-7.451	83.060	1.00	0.00	H
ATOM	643	H2'1	A B	2	9.021	-0.950	83.549	1.00	0.00	H
ATOM	644	H2'2	A B	2	7.547	-0.673	84.470	1.00	0.00	H
ATOM	645	H5'1	A B	2	8.977	-1.064	79.731	1.00	0.00	H
ATOM	646	H5'2	A B	2	9.180	0.679	80.009	1.00	0.00	H
ATOM	647	C1'	C B	3	3.837	-3.160	86.110	1.00	0.00	C
ATOM	648	N1	C B	3	5.206	-3.738	86.184	1.00	0.00	N
ATOM	649	C2	C B	3	5.324	-5.122	86.304	1.00	0.00	C
ATOM	650	O2	C B	3	4.294	-5.808	86.342	1.00	0.00	O
ATOM	651	N3	C B	3	6.562	-5.668	86.374	1.00	0.00	N
ATOM	652	C4	C B	3	7.658	-4.900	86.331	1.00	0.00	C
ATOM	653	N4	C B	3	8.844	-5.488	86.399	1.00	0.00	N
ATOM	654	C5	C B	3	7.568	-3.473	86.213	1.00	0.00	C
ATOM	655	C6	C B	3	6.309	-2.944	86.139	1.00	0.00	C
ATOM	656	C2'	C B	3	3.687	-1.838	86.849	1.00	0.00	C
ATOM	657	C3'	C B	3	2.713	-1.083	85.958	1.00	0.00	C
ATOM	658	O3'	C B	3	1.380	-1.460	86.299	1.00	0.00	O
ATOM	659	C4'	C B	3	3.104	-1.547	84.558	1.00	0.00	C
ATOM	660	O4'	C B	3	3.541	-2.932	84.744	1.00	0.00	O
ATOM	661	C5'	C B	3	4.214	-0.778	83.881	1.00	0.00	C
ATOM	662	O5'	C B	3	5.206	-0.383	84.862	1.00	0.00	O
ATOM	663	O1P	C B	3	5.029	2.127	84.892	1.00	0.00	O
ATOM	664	O2P	C B	3	7.194	1.015	85.499	1.00	0.00	O
ATOM	665	P	C B	3	5.963	1.006	84.671	1.00	0.00	P
ATOM	666	H5	C B	3	8.457	-2.843	86.185	1.00	0.00	H
ATOM	667	H6	C B	3	6.190	-1.865	86.041	1.00	0.00	H
ATOM	668	H1'	C B	3	3.132	-3.901	86.486	1.00	0.00	H
ATOM	669	H3'	C B	3	2.820	-0.003	86.060	1.00	0.00	H
ATOM	670	H4'	C B	3	2.214	-1.461	83.934	1.00	0.00	H
ATOM	671	H41	C B	3	9.704	-4.921	86.366	1.00	0.00	H
ATOM	672	H42	C B	3	8.907	-6.514	86.487	1.00	0.00	H
ATOM	673	H2'1	C B	3	4.634	-1.306	86.942	1.00	0.00	H
ATOM	674	H2'2	C B	3	3.286	-1.970	87.855	1.00	0.00	H

ATOM	675	H5'1	C B	3	4.678	-1.410	83.122	1.00	0.00	H
ATOM	676	H5'2	C B	3	3.797	0.107	83.404	1.00	0.00	H
ATOM	677	C1'	C B	4	1.760	-6.124	89.489	1.00	0.00	C
ATOM	678	N1	C B	4	3.208	-5.787	89.564	1.00	0.00	N
ATOM	679	C2	C B	4	4.117	-6.837	89.684	1.00	0.00	C
ATOM	680	O2	C B	4	3.688	-7.998	89.723	1.00	0.00	O
ATOM	681	N3	C B	4	5.440	-6.554	89.755	1.00	0.00	N
ATOM	682	C4	C B	4	5.876	-5.286	89.711	1.00	0.00	C
ATOM	683	N4	C B	4	7.180	-5.064	89.780	1.00	0.00	N
ATOM	684	C5	C B	4	4.963	-4.185	89.593	1.00	0.00	C
ATOM	685	C6	C B	4	3.635	-4.497	89.519	1.00	0.00	C
ATOM	686	C2'	C B	4	0.863	-5.142	90.231	1.00	0.00	C
ATOM	687	C3'	C B	4	-0.369	-5.105	89.340	1.00	0.00	C
ATOM	688	O3'	C B	4	-1.226	-6.193	89.679	1.00	0.00	O
ATOM	689	C4'	C B	4	0.220	-5.251	87.938	1.00	0.00	C
ATOM	690	O4'	C B	4	1.387	-6.114	88.124	1.00	0.00	O
ATOM	691	C5'	C B	4	0.667	-3.975	87.261	1.00	0.00	C
ATOM	692	O5'	C B	4	1.237	-3.073	88.243	1.00	0.00	O
ATOM	693	O1P	C B	4	-0.383	-1.147	88.273	1.00	0.00	O
ATOM	694	O2P	C B	4	2.023	-0.773	88.880	1.00	0.00	O
ATOM	695	P	C B	4	1.033	-1.504	88.052	1.00	0.00	P
ATOM	696	H5	C B	4	5.312	-3.154	89.565	1.00	0.00	H
ATOM	697	H6	C B	4	2.904	-3.695	89.422	1.00	0.00	H
ATOM	698	H1'	C B	4	1.625	-7.138	89.867	1.00	0.00	H
ATOM	699	H3'	C B	4	-0.917	-4.168	89.440	1.00	0.00	H
ATOM	700	H4'	C B	4	-0.550	-5.705	87.315	1.00	0.00	H
ATOM	701	H41	C B	4	7.542	-4.100	89.746	1.00	0.00	H
ATOM	702	H42	C B	4	7.834	-5.857	89.867	1.00	0.00	H
ATOM	703	H2'1	C B	4	1.316	-4.155	90.322	1.00	0.00	H
ATOM	704	H2'2	C B	4	0.616	-5.485	91.235	1.00	0.00	H
ATOM	705	H5'1	C B	4	1.412	-4.214	86.503	1.00	0.00	H
ATOM	706	H5'2	C B	4	-0.192	-3.506	86.784	1.00	0.00	H
ATOM	707	C1'	G B	5	1.825	-9.742	92.870	1.00	0.00	C
ATOM	708	N1	G B	5	6.754	-8.492	93.286	1.00	0.00	N
ATOM	709	C2	G B	5	6.153	-9.738	93.248	1.00	0.00	C
ATOM	710	N2	G B	5	6.975	-10.792	93.335	1.00	0.00	N
ATOM	711	N3	G B	5	4.839	-9.919	93.133	1.00	0.00	N
ATOM	712	C4	G B	5	4.160	-8.744	93.065	1.00	0.00	C
ATOM	713	C5	G B	5	4.673	-7.458	93.100	1.00	0.00	C
ATOM	714	C6	G B	5	6.068	-7.265	93.218	1.00	0.00	C
ATOM	715	O6	G B	5	6.704	-6.213	93.266	1.00	0.00	O
ATOM	716	N7	G B	5	3.638	-6.523	93.004	1.00	0.00	N
ATOM	717	C8	G B	5	2.557	-7.255	92.915	1.00	0.00	C
ATOM	718	N9	G B	5	2.794	-8.615	92.946	1.00	0.00	N
ATOM	719	C2'	G B	5	0.519	-9.479	93.607	1.00	0.00	C
ATOM	720	C3'	G B	5	-0.495	-10.179	92.716	1.00	0.00	C
ATOM	721	O3'	G B	5	-0.545	-11.561	93.060	1.00	0.00	O
ATOM	722	C4'	G B	5	0.069	-9.950	91.315	1.00	0.00	C
ATOM	723	O4'	G B	5	1.519	-9.959	91.506	1.00	0.00	O
ATOM	724	C5'	G B	5	-0.323	-8.660	90.635	1.00	0.00	C
ATOM	725	O5'	G B	5	-0.398	-7.594	91.612	1.00	0.00	O
ATOM	726	O1P	G B	5	-2.842	-6.994	91.635	1.00	0.00	O
ATOM	727	O2P	G B	5	-1.122	-5.272	92.242	1.00	0.00	O
ATOM	728	P	G B	5	-1.489	-6.448	91.417	1.00	0.00	P

ATOM	729	H1	G B	5	7.781	-8.461	93.372	1.00	0.00	H
ATOM	730	H8	G B	5	1.558	-6.830	92.824	1.00	0.00	H
ATOM	731	H1'	G B	5	2.313	-10.639	93.250	1.00	0.00	H
ATOM	732	H21	G B	5	7.992	-10.645	93.420	1.00	0.00	H
ATOM	733	H3'	G B	5	-1.492	-9.746	92.813	1.00	0.00	H
ATOM	734	H22	G B	5	6.592	-11.747	93.317	1.00	0.00	H
ATOM	735	H4'	G B	5	-0.283	-10.774	90.694	1.00	0.00	H
ATOM	736	H2'1	G B	5	0.301	-8.414	93.696	1.00	0.00	H
ATOM	737	H2'2	G B	5	0.519	-9.899	94.613	1.00	0.00	H
ATOM	738	H5'1	G B	5	0.423	-8.415	89.878	1.00	0.00	H
ATOM	739	H5'2	G B	5	-1.293	-8.789	90.154	1.00	0.00	H
ATOM	740	C1'	T B	6	3.983	-12.646	96.248	1.00	0.00	C
ATOM	741	N1	T B	6	4.133	-11.168	96.326	1.00	0.00	N
ATOM	742	C2	T B	6	5.415	-10.671	96.445	1.00	0.00	C
ATOM	743	O2	T B	6	6.400	-11.387	96.487	1.00	0.00	O
ATOM	744	N3	T B	6	5.507	-9.292	96.513	1.00	0.00	N
ATOM	745	C4	T B	6	4.461	-8.395	96.476	1.00	0.00	C
ATOM	746	O4	T B	6	4.669	-7.179	96.549	1.00	0.00	O
ATOM	747	C5	T B	6	3.162	-9.009	96.350	1.00	0.00	C
ATOM	748	C6	T B	6	3.032	-10.349	96.280	1.00	0.00	C
ATOM	749	C7	T B	6	1.993	-8.069	96.303	1.00	0.00	C
ATOM	750	C2'	T B	6	2.761	-13.178	96.987	1.00	0.00	C
ATOM	751	C3'	T B	6	2.329	-14.331	96.095	1.00	0.00	C
ATOM	752	O3'	T B	6	3.080	-15.495	96.436	1.00	0.00	O
ATOM	753	C4'	T B	6	2.658	-13.820	94.695	1.00	0.00	C
ATOM	754	O4'	T B	6	3.852	-12.996	94.884	1.00	0.00	O
ATOM	755	C5'	T B	6	1.598	-12.984	94.016	1.00	0.00	C
ATOM	756	O5'	T B	6	0.928	-12.153	94.998	1.00	0.00	O
ATOM	757	O1P	T B	6	-1.419	-13.061	95.025	1.00	0.00	O
ATOM	758	O2P	T B	6	-0.993	-10.665	95.634	1.00	0.00	O
ATOM	759	P	T B	6	-0.623	-11.838	94.806	1.00	0.00	P
ATOM	760	H3	T B	6	6.455	-8.896	96.598	1.00	0.00	H
ATOM	761	H6	T B	6	2.039	-10.788	96.184	1.00	0.00	H
ATOM	762	H1'	T B	6	4.897	-13.103	96.626	1.00	0.00	H
ATOM	763	H3'	T B	6	1.265	-14.547	96.195	1.00	0.00	H
ATOM	764	H4'	T B	6	2.840	-14.696	94.071	1.00	0.00	H
ATOM	765	H71	T B	6	1.375	-8.213	97.190	1.00	0.00	H
ATOM	766	H72	T B	6	2.355	-7.041	96.276	1.00	0.00	H
ATOM	767	H73	T B	6	1.399	-8.269	95.411	1.00	0.00	H
ATOM	768	H2'1	T B	6	1.975	-12.431	97.078	1.00	0.00	H
ATOM	769	H2'2	T B	6	3.004	-13.524	97.992	1.00	0.00	H
ATOM	770	H5'1	T B	6	2.066	-12.355	93.259	1.00	0.00	H
ATOM	771	H5'2	T B	6	0.875	-13.644	93.538	1.00	0.00	H
ATOM	772	C1'	C B	7	7.465	-13.693	99.630	1.00	0.00	C
ATOM	773	N1	C B	7	6.697	-12.418	99.704	1.00	0.00	N
ATOM	774	C2	C B	7	7.415	-11.230	99.824	1.00	0.00	C
ATOM	775	O2	C B	7	8.652	-11.280	99.862	1.00	0.00	O
ATOM	776	N3	C B	7	6.735	-10.059	99.894	1.00	0.00	N
ATOM	777	C4	C B	7	5.397	-10.037	99.852	1.00	0.00	C
ATOM	778	N4	C B	7	4.784	-8.866	99.921	1.00	0.00	N
ATOM	779	C5	C B	7	4.631	-11.244	99.734	1.00	0.00	C
ATOM	780	C6	C B	7	5.338	-12.411	99.660	1.00	0.00	C
ATOM	781	C2'	C B	7	6.809	-14.848	100.371	1.00	0.00	C
ATOM	782	C3'	C B	7	7.155	-16.031	99.480	1.00	0.00	C

ATOM	783	O3'	C B	7	8.454	-16.510	99.820	1.00	0.00	O
ATOM	784	C4'	C B	7	7.110	-15.426	98.080	1.00	0.00	C
ATOM	785	O4'	C B	7	7.571	-14.051	98.265	1.00	0.00	O
ATOM	786	C5'	C B	7	5.759	-15.397	97.402	1.00	0.00	C
ATOM	787	O5'	C B	7	4.726	-15.134	98.385	1.00	0.00	O
ATOM	788	O1P	C B	7	3.393	-17.267	98.415	1.00	0.00	O
ATOM	789	O2P	C B	7	2.296	-15.096	99.022	1.00	0.00	O
ATOM	790	P	C B	7	3.295	-15.812	98.193	1.00	0.00	P
ATOM	791	H5	C B	7	3.542	-11.231	99.705	1.00	0.00	H
ATOM	792	H6	C B	7	4.801	-13.354	99.562	1.00	0.00	H
ATOM	793	H1'	C B	7	8.471	-13.506	100.007	1.00	0.00	H
ATOM	794	H3'	C B	7	6.433	-16.844	99.581	1.00	0.00	H
ATOM	795	H4'	C B	7	7.779	-16.020	97.456	1.00	0.00	H
ATOM	796	H41	C B	7	3.755	-8.820	99.886	1.00	0.00	H
ATOM	797	H42	C B	7	5.336	-7.998	100.007	1.00	0.00	H
ATOM	798	H2'1	C B	7	5.731	-14.722	100.463	1.00	0.00	H
ATOM	799	H2'2	C B	7	7.211	-14.976	101.376	1.00	0.00	H
ATOM	800	H5'1	C B	7	5.756	-14.613	96.644	1.00	0.00	H
ATOM	801	H5'2	C B	7	5.577	-16.359	96.926	1.00	0.00	H
ATOM	802	C1'	C B	8	10.888	-12.512	103.010	1.00	0.00	C
ATOM	803	N1	C B	8	9.520	-11.933	103.085	1.00	0.00	N
ATOM	804	C2	C B	8	9.401	-10.549	103.205	1.00	0.00	C
ATOM	805	O2	C B	8	10.431	-9.864	103.243	1.00	0.00	O
ATOM	806	N3	C B	8	8.163	-10.003	103.275	1.00	0.00	N
ATOM	807	C4	C B	8	7.067	-10.772	103.232	1.00	0.00	C
ATOM	808	N4	C B	8	5.881	-10.183	103.301	1.00	0.00	N
ATOM	809	C5	C B	8	7.156	-12.198	103.114	1.00	0.00	C
ATOM	810	C6	C B	8	8.415	-12.727	103.040	1.00	0.00	C
ATOM	811	C2'	C B	8	11.038	-13.834	103.751	1.00	0.00	C
ATOM	812	C3'	C B	8	12.012	-14.589	102.860	1.00	0.00	C
ATOM	813	O3'	C B	8	13.344	-14.211	103.200	1.00	0.00	O
ATOM	814	C4'	C B	8	11.621	-14.124	101.459	1.00	0.00	C
ATOM	815	O4'	C B	8	11.183	-12.740	101.645	1.00	0.00	O
ATOM	816	C5'	C B	8	10.511	-14.894	100.782	1.00	0.00	C
ATOM	817	O5'	C B	8	9.518	-15.289	101.764	1.00	0.00	O
ATOM	818	O1P	C B	8	9.696	-17.800	101.794	1.00	0.00	O
ATOM	819	O2P	C B	8	7.531	-16.687	102.401	1.00	0.00	O
ATOM	820	P	C B	8	8.762	-16.678	101.574	1.00	0.00	P
ATOM	821	H5	C B	8	6.268	-12.829	103.086	1.00	0.00	H
ATOM	822	H6	C B	8	8.534	-13.806	102.942	1.00	0.00	H
ATOM	823	H1'	C B	8	11.593	-11.771	103.387	1.00	0.00	H
ATOM	824	H3'	C B	8	11.905	-15.668	102.962	1.00	0.00	H
ATOM	825	H4'	C B	8	12.511	-14.212	100.836	1.00	0.00	H
ATOM	826	H41	C B	8	5.022	-10.751	103.266	1.00	0.00	H
ATOM	827	H42	C B	8	5.818	-9.158	103.387	1.00	0.00	H
ATOM	828	H2'1	C B	8	10.092	-14.366	103.844	1.00	0.00	H
ATOM	829	H2'2	C B	8	11.439	-13.701	104.756	1.00	0.00	H
ATOM	830	H5'1	C B	8	10.047	-14.263	100.024	1.00	0.00	H
ATOM	831	H5'2	C B	8	10.928	-15.779	100.305	1.00	0.00	H
ATOM	832	C1'	T B	9	12.982	-9.562	106.387	1.00	0.00	C
ATOM	833	N1	T B	9	11.530	-9.876	106.465	1.00	0.00	N
ATOM	834	C2	T B	9	10.661	-8.811	106.584	1.00	0.00	C
ATOM	835	O2	T B	9	11.039	-7.654	106.627	1.00	0.00	O
ATOM	836	N3	T B	9	9.322	-9.148	106.652	1.00	0.00	N

ATOM	837	C4	T B	9	8.792	-10.420	106.616	1.00	0.00	C
ATOM	838	O4	T B	9	7.570	-10.599	106.690	1.00	0.00	O
ATOM	839	C5	T B	9	9.778	-11.468	106.490	1.00	0.00	C
ATOM	840	C6	T B	9	11.091	-11.176	106.420	1.00	0.00	C
ATOM	841	C7	T B	9	9.244	-12.868	106.443	1.00	0.00	C
ATOM	842	C2'	T B	9	13.868	-10.560	107.126	1.00	0.00	C
ATOM	843	C3'	T B	9	15.097	-10.614	106.233	1.00	0.00	C
ATOM	844	O3'	T B	9	15.971	-9.540	106.574	1.00	0.00	O
ATOM	845	C4'	T B	9	14.508	-10.460	104.833	1.00	0.00	C
ATOM	846	O4'	T B	9	13.355	-9.577	105.024	1.00	0.00	O
ATOM	847	C5'	T B	9	14.041	-11.726	104.155	1.00	0.00	C
ATOM	848	O5'	T B	9	13.459	-12.621	105.137	1.00	0.00	O
ATOM	849	O1P	T B	9	15.047	-14.571	105.164	1.00	0.00	O
ATOM	850	O2P	T B	9	12.637	-14.907	105.774	1.00	0.00	O
ATOM	851	P	T B	9	13.636	-14.193	104.945	1.00	0.00	P
ATOM	852	H3	T B	9	8.652	-8.370	106.738	1.00	0.00	H
ATOM	853	H6	T B	9	11.816	-11.984	106.325	1.00	0.00	H
ATOM	854	H1'	T B	9	13.134	-8.551	106.765	1.00	0.00	H
ATOM	855	H3'	T B	9	15.630	-11.560	106.333	1.00	0.00	H
ATOM	856	H4'	T B	9	15.286	-10.016	104.210	1.00	0.00	H
ATOM	857	H71	T B	9	9.573	-13.412	107.330	1.00	0.00	H
ATOM	858	H72	T B	9	8.155	-12.843	106.416	1.00	0.00	H
ATOM	859	H73	T B	9	9.618	-13.371	105.551	1.00	0.00	H
ATOM	860	H2'1	T B	9	13.398	-11.538	107.217	1.00	0.00	H
ATOM	861	H2'2	T B	9	14.120	-10.222	108.132	1.00	0.00	H
ATOM	862	H5'1	T B	9	13.298	-11.476	103.399	1.00	0.00	H
ATOM	863	H5'2	T B	9	14.891	-12.209	103.678	1.00	0.00	H
ATOM	864	C1'	A B	10	12.925	-5.928	109.767	1.00	0.00	C
ATOM	865	N1	A B	10	7.961	-7.159	110.187	1.00	0.00	N
ATOM	866	C2	A B	10	8.597	-5.991	110.145	1.00	0.00	C
ATOM	867	N3	A B	10	9.884	-5.745	110.032	1.00	0.00	N
ATOM	868	C4	A B	10	10.575	-6.897	109.961	1.00	0.00	C
ATOM	869	C5	A B	10	10.076	-8.170	109.990	1.00	0.00	C
ATOM	870	C6	A B	10	8.677	-8.291	110.113	1.00	0.00	C
ATOM	871	N6	A B	10	8.045	-9.478	110.156	1.00	0.00	N
ATOM	872	N7	A B	10	11.091	-9.106	109.892	1.00	0.00	N
ATOM	873	C8	A B	10	12.171	-8.387	109.810	1.00	0.00	C
ATOM	874	N9	A B	10	11.936	-7.037	109.842	1.00	0.00	N
ATOM	875	C2'	A B	10	14.226	-6.217	110.503	1.00	0.00	C
ATOM	876	C3'	A B	10	15.253	-5.533	109.612	1.00	0.00	C
ATOM	877	O3'	A B	10	15.326	-4.152	109.956	1.00	0.00	O
ATOM	878	C4'	A B	10	14.683	-5.750	108.211	1.00	0.00	C
ATOM	879	O4'	A B	10	13.232	-5.717	108.402	1.00	0.00	O
ATOM	880	C5'	A B	10	15.053	-7.045	107.528	1.00	0.00	C
ATOM	881	O5'	A B	10	15.109	-8.116	108.506	1.00	0.00	O
ATOM	882	O1P	A B	10	17.543	-8.757	108.528	1.00	0.00	O
ATOM	883	O2P	A B	10	15.793	-10.450	109.134	1.00	0.00	O
ATOM	884	P	A B	10	16.181	-9.280	108.308	1.00	0.00	P
ATOM	885	H2	A B	10	7.959	-5.112	110.214	1.00	0.00	H
ATOM	886	H8	A B	10	13.169	-8.818	109.724	1.00	0.00	H
ATOM	887	H1'	A B	10	12.453	-5.024	110.148	1.00	0.00	H
ATOM	888	H3'	A B	10	16.241	-5.983	109.709	1.00	0.00	H
ATOM	889	H4'	A B	10	15.050	-4.931	107.591	1.00	0.00	H
ATOM	890	H61	A B	10	7.021	-9.511	110.242	1.00	0.00	H

ATOM	891	H62	A B	10	8.587	-10.352	110.100	1.00	0.00	H
ATOM	892	H2'1	A B	10	14.426	-7.284	110.590	1.00	0.00	H
ATOM	893	H2'2	A B	10	14.234	-5.797	111.509	1.00	0.00	H
ATOM	894	H5'1	A B	10	14.304	-7.278	106.772	1.00	0.00	H
ATOM	895	H5'2	A B	10	16.024	-6.934	107.050	1.00	0.00	H
ATOM	896	C1'	G B	11	10.723	-3.037	113.148	1.00	0.00	C
ATOM	897	N1	G B	11	7.471	-6.944	113.566	1.00	0.00	N
ATOM	898	C2	G B	11	7.224	-5.583	113.528	1.00	0.00	C
ATOM	899	N2	G B	11	5.939	-5.215	113.614	1.00	0.00	N
ATOM	900	N3	G B	11	8.181	-4.664	113.412	1.00	0.00	N
ATOM	901	C4	G B	11	9.421	-5.216	113.344	1.00	0.00	C
ATOM	902	C5	G B	11	9.762	-6.557	113.379	1.00	0.00	C
ATOM	903	C6	G B	11	8.747	-7.535	113.499	1.00	0.00	C
ATOM	904	O6	G B	11	8.851	-8.760	113.546	1.00	0.00	O
ATOM	905	N7	G B	11	11.148	-6.705	113.283	1.00	0.00	N
ATOM	906	C8	G B	11	11.591	-5.478	113.194	1.00	0.00	C
ATOM	907	N9	G B	11	10.603	-4.517	113.225	1.00	0.00	N
ATOM	908	C2'	G B	11	11.934	-2.481	113.885	1.00	0.00	C
ATOM	909	C3'	G B	11	12.344	-1.320	112.994	1.00	0.00	C
ATOM	910	O3'	G B	11	11.572	-0.172	113.337	1.00	0.00	O
ATOM	911	C4'	G B	11	12.021	-1.836	111.593	1.00	0.00	C
ATOM	912	O4'	G B	11	10.842	-2.682	111.785	1.00	0.00	O
ATOM	913	C5'	G B	11	13.097	-2.650	110.913	1.00	0.00	C
ATOM	914	O5'	G B	11	13.784	-3.469	111.891	1.00	0.00	O
ATOM	915	O1P	G B	11	16.113	-2.517	111.914	1.00	0.00	O
ATOM	916	O2P	G B	11	15.735	-4.921	112.521	1.00	0.00	O
ATOM	917	P	G B	11	15.341	-3.754	111.695	1.00	0.00	P
ATOM	918	H1	G B	11	6.658	-7.572	113.651	1.00	0.00	H
ATOM	919	H8	G B	11	12.649	-5.236	113.103	1.00	0.00	H
ATOM	920	H1'	G B	11	9.800	-2.598	113.529	1.00	0.00	H
ATOM	921	H21	G B	11	5.204	-5.931	113.701	1.00	0.00	H
ATOM	922	H3'	G B	11	13.404	-1.084	113.091	1.00	0.00	H
ATOM	923	H22	G B	11	5.688	-4.216	113.594	1.00	0.00	H
ATOM	924	H4'	G B	11	11.822	-0.963	110.972	1.00	0.00	H
ATOM	925	H2'1	G B	11	12.736	-3.215	113.974	1.00	0.00	H
ATOM	926	H2'2	G B	11	11.687	-2.142	114.891	1.00	0.00	H
ATOM	927	H5'1	G B	11	12.639	-3.287	110.157	1.00	0.00	H
ATOM	928	H5'2	G B	11	13.805	-1.976	110.433	1.00	0.00	H
ATOM	929	C1'	G B	12	7.263	-1.977	116.528	1.00	0.00	C
ATOM	930	N1	G B	12	6.928	-7.051	116.946	1.00	0.00	N
ATOM	931	C2	G B	12	5.928	-6.094	116.908	1.00	0.00	C
ATOM	932	N2	G B	12	4.671	-6.551	116.995	1.00	0.00	N
ATOM	933	N3	G B	12	6.163	-4.789	116.792	1.00	0.00	N
ATOM	934	C4	G B	12	7.490	-4.507	116.724	1.00	0.00	C
ATOM	935	C5	G B	12	8.555	-5.390	116.759	1.00	0.00	C
ATOM	936	C6	G B	12	8.307	-6.777	116.878	1.00	0.00	C
ATOM	937	O6	G B	12	9.111	-7.708	116.927	1.00	0.00	O
ATOM	938	N7	G B	12	9.762	-4.696	116.664	1.00	0.00	N
ATOM	939	C8	G B	12	9.401	-3.443	116.573	1.00	0.00	C
ATOM	940	N9	G B	12	8.035	-3.247	116.604	1.00	0.00	N
ATOM	941	C2'	G B	12	7.916	-0.817	117.265	1.00	0.00	C
ATOM	942	C3'	G B	12	7.564	0.365	116.374	1.00	0.00	C
ATOM	943	O3'	G B	12	6.264	0.839	116.717	1.00	0.00	O
ATOM	944	C4'	G B	12	7.606	-0.243	114.973	1.00	0.00	C

ATOM	945	O4'	G B	12	7.151	-1.620	115.164	1.00	0.00	O
ATOM	946	C5'	G B	12	8.955	-0.270	114.293	1.00	0.00	C
ATOM	947	O5'	G B	12	9.992	-0.528	115.271	1.00	0.00	O
ATOM	948	O1P	G B	12	11.317	1.611	115.294	1.00	0.00	O
ATOM	949	O2P	G B	12	12.426	-0.556	115.901	1.00	0.00	O
ATOM	950	P	G B	12	11.420	0.156	115.075	1.00	0.00	P
ATOM	951	H1	G B	12	6.639	-8.038	117.032	1.00	0.00	H
ATOM	952	H8	G B	12	10.113	-2.623	116.483	1.00	0.00	H
ATOM	953	H1'	G B	12	6.258	-2.165	116.909	1.00	0.00	H
ATOM	954	H21	G B	12	4.498	-7.564	117.080	1.00	0.00	H
ATOM	955	H3'	G B	12	8.283	1.179	116.471	1.00	0.00	H
ATOM	956	H22	G B	12	3.883	-5.891	116.975	1.00	0.00	H
ATOM	957	H4'	G B	12	6.933	0.345	114.352	1.00	0.00	H
ATOM	958	H2'1	G B	12	8.995	-0.939	117.354	1.00	0.00	H
ATOM	959	H2'2	G B	12	7.518	-0.686	118.271	1.00	0.00	H
ATOM	960	H5'1	G B	12	8.958	-1.055	113.536	1.00	0.00	H
ATOM	961	H5'2	G B	12	9.132	0.692	113.813	1.00	0.00	H
ATOM	962	C1'	T B	13	3.834	-3.131	119.907	1.00	0.00	C
ATOM	963	N1	T B	13	5.192	-3.730	119.985	1.00	0.00	N
ATOM	964	C2	T B	13	5.271	-5.104	120.104	1.00	0.00	C
ATOM	965	O2	T B	13	4.283	-5.819	120.147	1.00	0.00	O
ATOM	966	N3	T B	13	6.552	-5.619	120.172	1.00	0.00	N
ATOM	967	C4	T B	13	7.729	-4.902	120.135	1.00	0.00	C
ATOM	968	O4	T B	13	8.822	-5.474	120.209	1.00	0.00	O
ATOM	969	C5	T B	13	7.547	-3.475	120.009	1.00	0.00	C
ATOM	970	C6	T B	13	6.312	-2.938	119.938	1.00	0.00	C
ATOM	971	C7	T B	13	8.801	-2.653	119.963	1.00	0.00	C
ATOM	972	C2'	T B	13	3.704	-1.804	120.646	1.00	0.00	C
ATOM	973	C3'	T B	13	2.741	-1.038	119.753	1.00	0.00	C
ATOM	974	O3'	T B	13	1.403	-1.393	120.094	1.00	0.00	O
ATOM	975	C4'	T B	13	3.126	-1.511	118.353	1.00	0.00	C
ATOM	976	O4'	T B	13	3.541	-2.901	118.543	1.00	0.00	O
ATOM	977	C5'	T B	13	4.248	-0.759	117.674	1.00	0.00	C
ATOM	978	O5'	T B	13	5.246	-0.378	118.656	1.00	0.00	O
ATOM	979	O1P	T B	13	5.107	2.134	118.682	1.00	0.00	O
ATOM	980	O2P	T B	13	7.255	0.990	119.292	1.00	0.00	O
ATOM	981	P	T B	13	6.025	0.999	118.463	1.00	0.00	P
ATOM	982	H3	T B	13	6.636	-6.642	120.258	1.00	0.00	H
ATOM	983	H6	T B	13	6.201	-1.857	119.844	1.00	0.00	H
ATOM	984	H1'	T B	13	3.116	-3.860	120.285	1.00	0.00	H
ATOM	985	H3'	T B	13	2.865	0.041	119.852	1.00	0.00	H
ATOM	986	H4'	T B	13	2.237	-1.411	117.730	1.00	0.00	H
ATOM	987	H71	T B	13	8.856	-2.021	120.849	1.00	0.00	H
ATOM	988	H72	T B	13	9.668	-3.315	119.934	1.00	0.00	H
ATOM	989	H73	T B	13	8.794	-2.027	119.070	1.00	0.00	H
ATOM	990	H2'1	T B	13	4.659	-1.289	120.736	1.00	0.00	H
ATOM	991	H2'2	T B	13	3.300	-1.928	121.651	1.00	0.00	H
ATOM	992	H5'1	T B	13	4.702	-1.399	116.918	1.00	0.00	H
ATOM	993	H5'2	T B	13	3.845	0.132	117.197	1.00	0.00	H
ATOM	994	C1'	G B	14	1.764	-6.119	123.289	1.00	0.00	C
ATOM	995	N1	G B	14	6.486	-8.005	123.707	1.00	0.00	N
ATOM	996	C2	G B	14	5.268	-8.661	123.669	1.00	0.00	C
ATOM	997	N2	G B	14	5.313	-9.995	123.754	1.00	0.00	N
ATOM	998	N3	G B	14	4.098	-8.034	123.553	1.00	0.00	N

ATOM	999	C4	G B	14	4.240	-6.683	123.484	1.00	0.00	C
ATOM	1000	C5	G B	14	5.409	-5.944	123.519	1.00	0.00	C
ATOM	1001	C6	G B	14	6.653	-6.609	123.638	1.00	0.00	C
ATOM	1002	O6	G B	14	7.787	-6.131	123.686	1.00	0.00	O
ATOM	1003	N7	G B	14	5.123	-4.581	123.424	1.00	0.00	N
ATOM	1004	C8	G B	14	3.818	-4.539	123.334	1.00	0.00	C
ATOM	1005	N9	G B	14	3.209	-5.777	123.365	1.00	0.00	N
ATOM	1006	C2'	G B	14	0.862	-5.138	124.026	1.00	0.00	C
ATOM	1007	C3'	G B	14	-0.370	-5.108	123.136	1.00	0.00	C
ATOM	1008	O3'	G B	14	-1.222	-6.198	123.478	1.00	0.00	O
ATOM	1009	C4'	G B	14	0.222	-5.256	121.735	1.00	0.00	C
ATOM	1010	O4'	G B	14	1.390	-6.114	121.925	1.00	0.00	O
ATOM	1011	C5'	G B	14	0.662	-3.982	121.054	1.00	0.00	C
ATOM	1012	O5'	G B	14	1.230	-3.075	122.032	1.00	0.00	O
ATOM	1013	O1P	G B	14	-0.396	-1.153	122.055	1.00	0.00	O
ATOM	1014	O2P	G B	14	2.008	-0.770	122.661	1.00	0.00	O
ATOM	1015	P	G B	14	1.019	-1.506	121.836	1.00	0.00	P
ATOM	1016	H1	G B	14	7.335	-8.585	123.791	1.00	0.00	H
ATOM	1017	H8	G B	14	3.260	-3.606	123.244	1.00	0.00	H
ATOM	1018	H1'	G B	14	1.632	-7.133	123.669	1.00	0.00	H
ATOM	1019	H21	G B	14	6.223	-10.473	123.841	1.00	0.00	H
ATOM	1020	H3'	G B	14	-0.922	-4.172	123.232	1.00	0.00	H
ATOM	1021	H22	G B	14	4.442	-10.543	123.736	1.00	0.00	H
ATOM	1022	H4'	G B	14	-0.548	-5.716	121.114	1.00	0.00	H
ATOM	1023	H2'1	G B	14	1.311	-4.149	124.116	1.00	0.00	H
ATOM	1024	H2'2	G B	14	0.616	-5.477	125.032	1.00	0.00	H
ATOM	1025	H5'1	G B	14	1.408	-4.221	120.297	1.00	0.00	H
ATOM	1026	H5'2	G B	14	-0.198	-3.516	120.574	1.00	0.00	H
ATOM	1027	C1'	C B	15	1.827	-9.739	126.670	1.00	0.00	C
ATOM	1028	N1	C B	15	2.800	-8.616	126.745	1.00	0.00	N
ATOM	1029	C2	C B	15	4.153	-8.930	126.865	1.00	0.00	C
ATOM	1030	O2	C B	15	4.486	-10.121	126.902	1.00	0.00	O
ATOM	1031	N3	C B	15	5.055	-7.921	126.934	1.00	0.00	N
ATOM	1032	C4	C B	15	4.663	-6.643	126.891	1.00	0.00	C
ATOM	1033	N4	C B	15	5.588	-5.697	126.960	1.00	0.00	N
ATOM	1034	C5	C B	15	3.277	-6.288	126.774	1.00	0.00	C
ATOM	1035	C6	C B	15	2.388	-7.319	126.700	1.00	0.00	C
ATOM	1036	C2'	C B	15	0.524	-9.472	127.410	1.00	0.00	C
ATOM	1037	C3'	C B	15	-0.496	-10.166	126.521	1.00	0.00	C
ATOM	1038	O3'	C B	15	-0.551	-11.550	126.860	1.00	0.00	O
ATOM	1039	C4'	C B	15	0.066	-9.938	125.119	1.00	0.00	C
ATOM	1040	O4'	C B	15	1.518	-9.950	125.305	1.00	0.00	O
ATOM	1041	C5'	C B	15	-0.322	-8.643	124.441	1.00	0.00	C
ATOM	1042	O5'	C B	15	-0.391	-7.579	125.424	1.00	0.00	O
ATOM	1043	O1P	C B	15	-2.834	-6.971	125.454	1.00	0.00	O
ATOM	1044	O2P	C B	15	-1.107	-5.254	126.061	1.00	0.00	O
ATOM	1045	P	C B	15	-1.478	-6.428	125.233	1.00	0.00	P
ATOM	1046	H5	C B	15	2.953	-5.248	126.744	1.00	0.00	H
ATOM	1047	H6	C B	15	1.324	-7.101	126.602	1.00	0.00	H
ATOM	1048	H1'	C B	15	2.314	-10.638	127.047	1.00	0.00	H
ATOM	1049	H3'	C B	15	-1.489	-9.729	126.621	1.00	0.00	H
ATOM	1050	H4'	C B	15	-0.291	-10.758	124.496	1.00	0.00	H
ATOM	1051	H41	C B	15	5.314	-4.703	126.926	1.00	0.00	H
ATOM	1052	H42	C B	15	6.582	-5.953	127.047	1.00	0.00	H

ATOM	1053	H2'1	C B	15	0.311	-8.408	127.503	1.00	0.00	H
ATOM	1054	H2'2	C B	15	0.525	-9.894	128.417	1.00	0.00	H
ATOM	1055	H5'1	C B	15	0.422	-8.398	123.684	1.00	0.00	H
ATOM	1056	H5'2	C B	15	-1.294	-8.767	123.965	1.00	0.00	H
ATOM	1057	C1'	G B	16	4.005	-12.627	130.050	1.00	0.00	C
ATOM	1058	N1	G B	16	7.257	-8.720	130.466	1.00	0.00	N
ATOM	1059	C2	G B	16	7.505	-10.081	130.428	1.00	0.00	C
ATOM	1060	N2	G B	16	8.789	-10.450	130.515	1.00	0.00	N
ATOM	1061	N3	G B	16	6.548	-11.000	130.313	1.00	0.00	N
ATOM	1062	C4	G B	16	5.307	-10.448	130.245	1.00	0.00	C
ATOM	1063	C5	G B	16	4.966	-9.107	130.280	1.00	0.00	C
ATOM	1064	C6	G B	16	5.982	-8.130	130.398	1.00	0.00	C
ATOM	1065	O6	G B	16	5.878	-6.904	130.446	1.00	0.00	O
ATOM	1066	N7	G B	16	3.580	-8.959	130.184	1.00	0.00	N
ATOM	1067	C8	G B	16	3.136	-10.186	130.095	1.00	0.00	C
ATOM	1068	N9	G B	16	4.126	-11.147	130.126	1.00	0.00	N
ATOM	1069	C2'	G B	16	2.794	-13.183	130.788	1.00	0.00	C
ATOM	1070	C3'	G B	16	2.384	-14.344	129.897	1.00	0.00	C
ATOM	1071	O3'	G B	16	3.157	-15.492	130.240	1.00	0.00	O
ATOM	1072	C4'	G B	16	2.707	-13.828	128.495	1.00	0.00	C
ATOM	1073	O4'	G B	16	3.886	-12.982	128.686	1.00	0.00	O
ATOM	1074	C5'	G B	16	1.632	-13.014	127.815	1.00	0.00	C
ATOM	1075	O5'	G B	16	0.944	-12.196	128.793	1.00	0.00	O
ATOM	1076	O1P	G B	16	-1.386	-13.147	128.817	1.00	0.00	O
ATOM	1077	O2P	G B	16	-1.007	-10.743	129.423	1.00	0.00	O
ATOM	1078	P	G B	16	-0.614	-11.911	128.597	1.00	0.00	P
ATOM	1079	H1	G B	16	8.071	-8.091	130.551	1.00	0.00	H
ATOM	1080	H8	G B	16	2.078	-10.428	130.004	1.00	0.00	H
ATOM	1081	H1'	G B	16	4.928	-13.066	130.430	1.00	0.00	H
ATOM	1082	H21	G B	16	9.525	-9.733	130.600	1.00	0.00	H
ATOM	1083	H3'	G B	16	1.324	-14.580	129.994	1.00	0.00	H
ATOM	1084	H22	G B	16	9.039	-11.448	130.495	1.00	0.00	H
ATOM	1085	H4'	G B	16	2.907	-14.702	127.875	1.00	0.00	H
ATOM	1086	H2'1	G B	16	1.992	-12.448	130.876	1.00	0.00	H
ATOM	1087	H2'2	G B	16	3.041	-13.522	131.794	1.00	0.00	H
ATOM	1088	H5'1	G B	16	2.090	-12.378	127.058	1.00	0.00	H
ATOM	1089	H5'2	G B	16	0.923	-13.689	127.336	1.00	0.00	H
ATOM	1090	C1'	G B	17	7.467	-13.686	133.430	1.00	0.00	C
ATOM	1091	N1	G B	17	7.801	-8.613	133.846	1.00	0.00	N
ATOM	1092	C2	G B	17	8.801	-9.569	133.809	1.00	0.00	C
ATOM	1093	N2	G B	17	10.055	-9.112	133.894	1.00	0.00	N
ATOM	1094	N3	G B	17	8.567	-10.874	133.692	1.00	0.00	N
ATOM	1095	C4	G B	17	7.239	-11.157	133.626	1.00	0.00	C
ATOM	1096	C5	G B	17	6.174	-10.272	133.659	1.00	0.00	C
ATOM	1097	C6	G B	17	6.422	-8.887	133.778	1.00	0.00	C
ATOM	1098	O6	G B	17	5.618	-7.955	133.825	1.00	0.00	O
ATOM	1099	N7	G B	17	4.966	-10.967	133.565	1.00	0.00	N
ATOM	1100	C8	G B	17	5.329	-12.220	133.475	1.00	0.00	C
ATOM	1101	N9	G B	17	6.694	-12.416	133.506	1.00	0.00	N
ATOM	1102	C2'	G B	17	6.812	-14.846	134.167	1.00	0.00	C
ATOM	1103	C3'	G B	17	7.164	-16.028	133.276	1.00	0.00	C
ATOM	1104	O3'	G B	17	8.464	-16.503	133.620	1.00	0.00	O
ATOM	1105	C4'	G B	17	7.122	-15.421	131.875	1.00	0.00	C
ATOM	1106	O4'	G B	17	7.577	-14.043	132.066	1.00	0.00	O

ATOM	1107	C5'	G B	17	5.773	-15.394	131.195	1.00	0.00	C
ATOM	1108	O5'	G B	17	4.736	-15.135	132.174	1.00	0.00	O
ATOM	1109	O1P	G B	17	3.412	-17.275	132.197	1.00	0.00	O
ATOM	1110	O2P	G B	17	2.303	-15.108	132.803	1.00	0.00	O
ATOM	1111	P	G B	17	3.308	-15.819	131.978	1.00	0.00	P
ATOM	1112	H1	G B	17	8.089	-7.626	133.932	1.00	0.00	H
ATOM	1113	H8	G B	17	4.616	-13.039	133.384	1.00	0.00	H
ATOM	1114	H1'	G B	17	8.470	-13.498	133.810	1.00	0.00	H
ATOM	1115	H21	G B	17	10.230	-8.100	133.980	1.00	0.00	H
ATOM	1116	H3'	G B	17	6.445	-16.842	133.373	1.00	0.00	H
ATOM	1117	H22	G B	17	10.846	-9.773	133.874	1.00	0.00	H
ATOM	1118	H4'	G B	17	7.796	-16.009	131.254	1.00	0.00	H
ATOM	1119	H2'1	G B	17	5.733	-14.724	134.256	1.00	0.00	H
ATOM	1120	H2'2	G B	17	7.211	-14.975	135.173	1.00	0.00	H
ATOM	1121	H5'1	G B	17	5.770	-14.610	130.439	1.00	0.00	H
ATOM	1122	H5'2	G B	17	5.597	-16.356	130.716	1.00	0.00	H
ATOM	1123	C1'	C B	18	10.890	-12.507	136.810	1.00	0.00	C
ATOM	1124	N1	C B	18	9.520	-11.929	136.884	1.00	0.00	N
ATOM	1125	C2	C B	18	9.403	-10.545	137.003	1.00	0.00	C
ATOM	1126	O2	C B	18	10.433	-9.859	137.041	1.00	0.00	O
ATOM	1127	N3	C B	18	8.166	-10.000	137.074	1.00	0.00	N
ATOM	1128	C4	C B	18	7.070	-10.769	137.030	1.00	0.00	C
ATOM	1129	N4	C B	18	5.885	-10.181	137.102	1.00	0.00	N
ATOM	1130	C5	C B	18	7.162	-12.193	136.912	1.00	0.00	C
ATOM	1131	C6	C B	18	8.417	-12.721	136.840	1.00	0.00	C
ATOM	1132	C2'	C B	18	11.040	-13.830	137.551	1.00	0.00	C
ATOM	1133	C3'	C B	18	12.015	-14.584	136.660	1.00	0.00	C
ATOM	1134	O3'	C B	18	13.347	-14.206	137.000	1.00	0.00	O
ATOM	1135	C4'	C B	18	11.622	-14.120	135.259	1.00	0.00	C
ATOM	1136	O4'	C B	18	11.186	-12.736	135.445	1.00	0.00	O
ATOM	1137	C5'	C B	18	10.513	-14.890	134.582	1.00	0.00	C
ATOM	1138	O5'	C B	18	9.521	-15.284	135.564	1.00	0.00	O
ATOM	1139	O1P	C B	18	9.697	-17.795	135.594	1.00	0.00	O
ATOM	1140	O2P	C B	18	7.532	-16.682	136.201	1.00	0.00	O
ATOM	1141	P	C B	18	8.762	-16.673	135.373	1.00	0.00	P
ATOM	1142	H5	C B	18	6.273	-12.824	136.880	1.00	0.00	H
ATOM	1143	H6	C B	18	8.536	-13.800	136.745	1.00	0.00	H
ATOM	1144	H1'	C B	18	11.594	-11.766	137.186	1.00	0.00	H
ATOM	1145	H3'	C B	18	11.908	-15.664	136.761	1.00	0.00	H
ATOM	1146	H4'	C B	18	12.513	-14.206	134.636	1.00	0.00	H
ATOM	1147	H41	C B	18	5.025	-10.749	137.069	1.00	0.00	H
ATOM	1148	H42	C B	18	5.822	-9.157	137.188	1.00	0.00	H
ATOM	1149	H2'1	C B	18	10.093	-14.361	137.643	1.00	0.00	H
ATOM	1150	H2'2	C B	18	11.440	-13.696	138.556	1.00	0.00	H
ATOM	1151	H5'1	C B	18	10.049	-14.259	133.824	1.00	0.00	H
ATOM	1152	H5'2	C B	18	10.930	-15.774	134.105	1.00	0.00	H
ATOM	1153	C1'	C B	19	12.967	-9.543	140.190	1.00	0.00	C
ATOM	1154	N1	C B	19	11.519	-9.878	140.264	1.00	0.00	N
ATOM	1155	C2	C B	19	10.609	-8.828	140.383	1.00	0.00	C
ATOM	1156	O2	C B	19	11.040	-7.668	140.420	1.00	0.00	O
ATOM	1157	N3	C B	19	9.288	-9.114	140.454	1.00	0.00	N
ATOM	1158	C4	C B	19	8.854	-10.381	140.411	1.00	0.00	C
ATOM	1159	N4	C B	19	7.552	-10.603	140.482	1.00	0.00	N
ATOM	1160	C5	C B	19	9.766	-11.477	140.291	1.00	0.00	C

ATOM	1161	C6	C B	19	11.091	-11.167	140.221	1.00	0.00	C
ATOM	1162	C2'	C B	19	13.863	-10.523	140.931	1.00	0.00	C
ATOM	1163	C3'	C B	19	15.096	-10.561	140.039	1.00	0.00	C
ATOM	1164	O3'	C B	19	15.953	-9.474	140.378	1.00	0.00	O
ATOM	1165	C4'	C B	19	14.507	-10.416	138.638	1.00	0.00	C
ATOM	1166	O4'	C B	19	13.340	-9.554	138.824	1.00	0.00	O
ATOM	1167	C5'	C B	19	14.060	-11.692	137.962	1.00	0.00	C
ATOM	1168	O5'	C B	19	13.491	-12.593	138.943	1.00	0.00	O
ATOM	1169	O1P	C B	19	15.110	-14.520	138.974	1.00	0.00	O
ATOM	1170	O2P	C B	19	12.703	-14.893	139.581	1.00	0.00	O
ATOM	1171	P	C B	19	13.695	-14.163	138.753	1.00	0.00	P
ATOM	1172	H5	C B	19	9.419	-12.510	140.258	1.00	0.00	H
ATOM	1173	H6	C B	19	11.824	-11.969	140.126	1.00	0.00	H
ATOM	1174	H1'	C B	19	13.101	-8.528	140.566	1.00	0.00	H
ATOM	1175	H3'	C B	19	15.643	-11.498	140.140	1.00	0.00	H
ATOM	1176	H4'	C B	19	15.277	-9.962	138.015	1.00	0.00	H
ATOM	1177	H41	C B	19	7.189	-11.567	140.450	1.00	0.00	H
ATOM	1178	H42	C B	19	6.897	-9.810	140.569	1.00	0.00	H
ATOM	1179	H2'1	C B	19	13.411	-11.511	141.023	1.00	0.00	H
ATOM	1180	H2'2	C B	19	14.110	-10.181	141.935	1.00	0.00	H
ATOM	1181	H5'1	C B	19	13.315	-11.453	137.203	1.00	0.00	H
ATOM	1182	H5'2	C B	19	14.919	-12.161	137.485	1.00	0.00	H
ATOM	1183	C1'	T B	20	12.927	-5.924	143.567	1.00	0.00	C
ATOM	1184	N1	T B	20	11.938	-7.032	143.645	1.00	0.00	N
ATOM	1185	C2	T B	20	10.608	-6.681	143.763	1.00	0.00	C
ATOM	1186	O2	T B	20	10.232	-5.522	143.805	1.00	0.00	O
ATOM	1187	N3	T B	20	9.724	-7.740	143.833	1.00	0.00	N
ATOM	1188	C4	T B	20	10.042	-9.081	143.795	1.00	0.00	C
ATOM	1189	O4	T B	20	9.158	-9.944	143.867	1.00	0.00	O
ATOM	1190	C5	T B	20	11.454	-9.349	143.669	1.00	0.00	C
ATOM	1191	C6	T B	20	12.346	-8.342	143.599	1.00	0.00	C
ATOM	1192	C7	T B	20	11.847	-10.795	143.623	1.00	0.00	C
ATOM	1193	C2'	T B	20	14.229	-6.212	144.305	1.00	0.00	C
ATOM	1194	C3'	T B	20	15.257	-5.533	143.413	1.00	0.00	C
ATOM	1195	O3'	T B	20	15.333	-4.150	143.754	1.00	0.00	O
ATOM	1196	C4'	T B	20	14.688	-5.753	142.013	1.00	0.00	C
ATOM	1197	O4'	T B	20	13.238	-5.718	142.203	1.00	0.00	O
ATOM	1198	C5'	T B	20	15.055	-7.052	141.335	1.00	0.00	C
ATOM	1199	O5'	T B	20	15.109	-8.119	142.317	1.00	0.00	O
ATOM	1200	O1P	T B	20	17.542	-8.763	142.343	1.00	0.00	O
ATOM	1201	O2P	T B	20	15.790	-10.453	142.953	1.00	0.00	O
ATOM	1202	P	T B	20	16.178	-9.285	142.124	1.00	0.00	P
ATOM	1203	H3	T B	20	8.726	-7.506	143.922	1.00	0.00	H
ATOM	1204	H6	T B	20	13.408	-8.569	143.504	1.00	0.00	H
ATOM	1205	H1'	T B	20	12.456	-5.017	143.944	1.00	0.00	H
ATOM	1206	H3'	T B	20	16.243	-5.983	143.513	1.00	0.00	H
ATOM	1207	H4'	T B	20	15.057	-4.938	141.390	1.00	0.00	H
ATOM	1208	H3T	T B	20	15.488	-3.967	144.682	1.00	0.00	H
ATOM	1209	H71	T B	20	12.432	-11.042	144.509	1.00	0.00	H
ATOM	1210	H72	T B	20	10.950	-11.416	143.596	1.00	0.00	H
ATOM	1211	H73	T B	20	12.444	-10.983	142.731	1.00	0.00	H
ATOM	1212	H2'1	T B	20	14.425	-7.278	144.397	1.00	0.00	H
ATOM	1213	H2'2	T B	20	14.235	-5.789	145.311	1.00	0.00	H
ATOM	1214	H5'1	T B	20	14.307	-7.286	140.577	1.00	0.00	H

ATOM	1215	H5'2	T B	20	16.027	-6.943	140.857	1.00	0.00	H
TER										
ATOM	1	C1'	A A	1	40.772	-3.255	127.578	1.00	0.00	C
ATOM	2	N1	A A	1	42.114	-8.194	127.215	1.00	0.00	N
ATOM	3	C2	A A	1	42.650	-7.079	126.726	1.00	0.00	C
ATOM	4	N3	A A	1	42.253	-5.832	126.862	1.00	0.00	N
ATOM	5	C4	A A	1	41.136	-5.776	127.611	1.00	0.00	C
ATOM	6	C5	A A	1	40.465	-6.821	128.181	1.00	0.00	C
ATOM	7	C6	A A	1	41.001	-8.108	127.958	1.00	0.00	C
ATOM	8	N6	A A	1	40.449	-9.228	128.456	1.00	0.00	N
ATOM	9	N7	A A	1	39.357	-6.380	128.882	1.00	0.00	N
ATOM	10	C8	A A	1	39.380	-5.090	128.720	1.00	0.00	C
ATOM	11	N9	A A	1	40.433	-4.651	127.961	1.00	0.00	N
ATOM	12	C2'	A A	1	39.557	-2.389	127.276	1.00	0.00	C
ATOM	13	C3'	A A	1	39.994	-1.033	127.807	1.00	0.00	C
ATOM	14	O3'	A A	1	40.758	-0.363	126.807	1.00	0.00	O
ATOM	15	C4'	A A	1	40.835	-1.400	129.029	1.00	0.00	C
ATOM	16	O4'	A A	1	41.469	-2.668	128.660	1.00	0.00	O
ATOM	17	C5'	A A	1	40.086	-1.593	130.325	1.00	0.00	C
ATOM	18	O5'	A A	1	38.802	-2.215	130.064	1.00	0.00	O
ATOM	19	H2	A A	1	43.549	-7.219	126.128	1.00	0.00	H
ATOM	20	H8	A A	1	38.633	-4.421	129.149	1.00	0.00	H
ATOM	21	H1'	A A	1	41.449	-3.290	126.724	1.00	0.00	H
ATOM	22	H3'	A A	1	39.143	-0.410	128.089	1.00	0.00	H
ATOM	23	H4'	A A	1	41.551	-0.592	129.173	1.00	0.00	H
ATOM	24	H61	A A	1	40.881	-10.141	128.266	1.00	0.00	H
ATOM	25	H62	A A	1	39.595	-9.168	129.029	1.00	0.00	H
ATOM	26	H5T	A A	1	38.053	-1.976	130.613	1.00	0.00	H
ATOM	27	H2'1	A A	1	38.660	-2.742	127.783	1.00	0.00	H
ATOM	28	H2'2	A A	1	39.336	-2.343	126.209	1.00	0.00	H
ATOM	29	H5'1	A A	1	40.674	-2.228	130.987	1.00	0.00	H
ATOM	30	H5'2	A A	1	39.936	-0.625	130.799	1.00	0.00	H
ATOM	31	C1'	G A	2	42.157	-4.321	122.931	1.00	0.00	C
ATOM	32	N1	G A	2	40.773	-9.065	124.190	1.00	0.00	N
ATOM	33	C2	G A	2	41.875	-8.622	123.485	1.00	0.00	C
ATOM	34	N2	G A	2	42.720	-9.566	123.055	1.00	0.00	N
ATOM	35	N3	G A	2	42.116	-7.337	123.227	1.00	0.00	N
ATOM	36	C4	G A	2	41.154	-6.520	123.731	1.00	0.00	C
ATOM	37	C5	G A	2	40.020	-6.874	124.445	1.00	0.00	C
ATOM	38	C6	G A	2	39.767	-8.238	124.721	1.00	0.00	C
ATOM	39	O6	G A	2	38.828	-8.744	125.335	1.00	0.00	O
ATOM	40	N7	G A	2	39.287	-5.734	124.781	1.00	0.00	N
ATOM	41	C8	G A	2	39.984	-4.749	124.276	1.00	0.00	C
ATOM	42	N9	G A	2	41.132	-5.147	123.622	1.00	0.00	N
ATOM	43	C2'	G A	2	41.580	-3.129	122.177	1.00	0.00	C
ATOM	44	C3'	G A	2	42.655	-2.075	122.377	1.00	0.00	C
ATOM	45	O3'	G A	2	43.670	-2.247	121.391	1.00	0.00	O
ATOM	46	C4'	G A	2	43.165	-2.372	123.787	1.00	0.00	C
ATOM	47	O4'	G A	2	43.045	-3.825	123.914	1.00	0.00	O
ATOM	48	C5'	G A	2	42.411	-1.724	124.923	1.00	0.00	C
ATOM	49	O5'	G A	2	40.996	-1.683	124.613	1.00	0.00	O
ATOM	50	O1P	G A	2	40.517	0.779	124.400	1.00	0.00	O
ATOM	51	O2P	G A	2	38.692	-0.799	125.089	1.00	0.00	O
ATOM	52	P	G A	2	40.132	-0.445	125.129	1.00	0.00	P

ATOM	53	H1	G A	2	40.682	-10.081	124.338	1.00	0.00	H
ATOM	54	H8	G A	2	39.684	-3.705	124.364	1.00	0.00	H
ATOM	55	H1'	G A	2	42.724	-4.968	122.262	1.00	0.00	H
ATOM	56	H21	G A	2	42.529	-10.557	123.259	1.00	0.00	H
ATOM	57	H3'	G A	2	42.253	-1.064	122.309	1.00	0.00	H
ATOM	58	H22	G A	2	43.559	-9.299	122.521	1.00	0.00	H
ATOM	59	H4'	G A	2	44.196	-2.024	123.830	1.00	0.00	H
ATOM	60	H2'1	G A	2	40.624	-2.805	122.588	1.00	0.00	H
ATOM	61	H2'2	G A	2	41.426	-3.345	121.119	1.00	0.00	H
ATOM	62	H5'1	G A	2	42.572	-2.299	125.834	1.00	0.00	H
ATOM	63	H5'2	G A	2	42.787	-0.711	125.069	1.00	0.00	H
ATOM	64	C1'	G A	3	42.864	-7.350	119.077	1.00	0.00	C
ATOM	65	N1	G A	3	39.231	-10.136	121.325	1.00	0.00	N
ATOM	66	C2	G A	3	40.416	-10.534	120.733	1.00	0.00	C
ATOM	67	N2	G A	3	40.663	-11.850	120.737	1.00	0.00	N
ATOM	68	N3	G A	3	41.281	-9.688	120.180	1.00	0.00	N
ATOM	69	C4	G A	3	40.866	-8.397	120.260	1.00	0.00	C
ATOM	70	C5	G A	3	39.702	-7.908	120.829	1.00	0.00	C
ATOM	71	C6	G A	3	38.783	-8.806	121.420	1.00	0.00	C
ATOM	72	O6	G A	3	37.708	-8.567	121.970	1.00	0.00	O
ATOM	73	N7	G A	3	39.650	-6.519	120.702	1.00	0.00	N
ATOM	74	C8	G A	3	40.758	-6.216	120.079	1.00	0.00	C
ATOM	75	N9	G A	3	41.550	-7.305	119.775	1.00	0.00	N
ATOM	76	C2'	G A	3	42.988	-6.351	117.934	1.00	0.00	C
ATOM	77	C3'	G A	3	44.448	-5.942	118.026	1.00	0.00	C
ATOM	78	O3'	G A	3	45.245	-6.892	117.322	1.00	0.00	O
ATOM	79	C4'	G A	3	44.716	-5.967	119.530	1.00	0.00	C
ATOM	80	O4'	G A	3	43.868	-7.051	120.028	1.00	0.00	O
ATOM	81	C5'	G A	3	44.384	-4.706	120.291	1.00	0.00	C
ATOM	82	O5'	G A	3	43.193	-4.094	119.734	1.00	0.00	O
ATOM	83	O1P	G A	3	44.043	-1.930	118.770	1.00	0.00	O
ATOM	84	O2P	G A	3	41.660	-2.114	119.530	1.00	0.00	O
ATOM	85	P	G A	3	43.078	-2.503	119.726	1.00	0.00	P
ATOM	86	H1	G A	3	38.632	-10.871	121.729	1.00	0.00	H
ATOM	87	H8	G A	3	41.034	-5.194	119.820	1.00	0.00	H
ATOM	88	H1'	G A	3	43.028	-8.368	118.725	1.00	0.00	H
ATOM	89	H21	G A	3	39.989	-12.499	121.169	1.00	0.00	H
ATOM	90	H3'	G A	3	44.622	-4.948	117.612	1.00	0.00	H
ATOM	91	H22	G A	3	41.527	-12.211	120.309	1.00	0.00	H
ATOM	92	H4'	G A	3	45.779	-6.164	119.659	1.00	0.00	H
ATOM	93	H2'1	G A	3	42.327	-5.493	118.063	1.00	0.00	H
ATOM	94	H2'2	G A	3	42.759	-6.798	116.967	1.00	0.00	H
ATOM	95	H5'1	G A	3	44.216	-4.953	121.338	1.00	0.00	H
ATOM	96	H5'2	G A	3	45.223	-4.013	120.217	1.00	0.00	H
ATOM	97	C1'	C A	4	41.974	-11.418	116.396	1.00	0.00	C
ATOM	98	N1	C A	4	40.856	-10.526	116.811	1.00	0.00	N
ATOM	99	C2	C A	4	39.762	-11.108	117.448	1.00	0.00	C
ATOM	100	O2	C A	4	39.762	-12.330	117.641	1.00	0.00	O
ATOM	101	N3	C A	4	38.734	-10.313	117.835	1.00	0.00	N
ATOM	102	C4	C A	4	38.762	-8.993	117.610	1.00	0.00	C
ATOM	103	N4	C A	4	37.730	-8.264	118.011	1.00	0.00	N
ATOM	104	C5	C A	4	39.873	-8.371	116.955	1.00	0.00	C
ATOM	105	C6	C A	4	40.898	-9.188	116.578	1.00	0.00	C
ATOM	106	C2'	C A	4	42.601	-11.036	115.062	1.00	0.00	C

ATOM	107	C3'	C A	4	44.067	-11.368	115.294	1.00	0.00	C
ATOM	108	O3'	C A	4	44.280	-12.754	115.031	1.00	0.00	O
ATOM	109	C4'	C A	4	44.265	-11.022	116.767	1.00	0.00	C
ATOM	110	O4'	C A	4	42.979	-11.338	117.389	1.00	0.00	O
ATOM	111	C5'	C A	4	44.610	-9.585	117.079	1.00	0.00	C
ATOM	112	O5'	C A	4	43.901	-8.703	116.172	1.00	0.00	O
ATOM	113	O1P	C A	4	45.743	-7.657	114.813	1.00	0.00	O
ATOM	114	O2P	C A	4	43.587	-6.424	115.161	1.00	0.00	O
ATOM	115	P	C A	4	44.608	-7.351	115.705	1.00	0.00	P
ATOM	116	H5	C A	4	39.898	-7.297	116.765	1.00	0.00	H
ATOM	117	H6	C A	4	41.768	-8.760	116.080	1.00	0.00	H
ATOM	118	H1'	C A	4	41.603	-12.441	116.375	1.00	0.00	H
ATOM	119	H3'	C A	4	44.724	-10.775	114.657	1.00	0.00	H
ATOM	120	H4'	C A	4	45.080	-11.647	117.133	1.00	0.00	H
ATOM	121	H41	C A	4	37.727	-7.246	117.852	1.00	0.00	H
ATOM	122	H42	C A	4	36.931	-8.714	118.481	1.00	0.00	H
ATOM	123	H2'1	C A	4	42.466	-9.981	114.828	1.00	0.00	H
ATOM	124	H2'2	C A	4	42.188	-11.611	114.231	1.00	0.00	H
ATOM	125	H5'1	C A	4	44.327	-9.362	118.107	1.00	0.00	H
ATOM	126	H5'2	C A	4	45.685	-9.442	116.965	1.00	0.00	H
ATOM	127	C1'	C A	5	39.164	-15.180	114.823	1.00	0.00	C
ATOM	128	N1	C A	5	38.654	-13.782	114.769	1.00	0.00	N
ATOM	129	C2	C A	5	37.409	-13.522	115.336	1.00	0.00	C
ATOM	130	O2	C A	5	36.780	-14.454	115.857	1.00	0.00	O
ATOM	131	N3	C A	5	36.926	-12.256	115.300	1.00	0.00	N
ATOM	132	C4	C A	5	37.627	-11.268	114.730	1.00	0.00	C
ATOM	133	N4	C A	5	37.110	-10.050	114.725	1.00	0.00	N
ATOM	134	C5	C A	5	38.910	-11.509	114.138	1.00	0.00	C
ATOM	135	C6	C A	5	39.376	-12.789	114.189	1.00	0.00	C
ATOM	136	C2'	C A	5	39.916	-15.606	113.569	1.00	0.00	C
ATOM	137	C3'	C A	5	41.002	-16.503	114.142	1.00	0.00	C
ATOM	138	O3'	C A	5	40.480	-17.819	114.312	1.00	0.00	O
ATOM	139	C4'	C A	5	41.329	-15.834	115.473	1.00	0.00	C
ATOM	140	O4'	C A	5	40.055	-15.272	115.919	1.00	0.00	O
ATOM	141	C5'	C A	5	42.358	-14.728	115.434	1.00	0.00	C
ATOM	142	O5'	C A	5	42.211	-13.966	114.208	1.00	0.00	O
ATOM	143	O1P	C A	5	44.346	-14.444	112.966	1.00	0.00	O
ATOM	144	O2P	C A	5	43.120	-12.292	112.570	1.00	0.00	O
ATOM	145	P	C A	5	43.516	-13.359	113.522	1.00	0.00	P
ATOM	146	H5	C A	5	39.483	-10.709	113.668	1.00	0.00	H
ATOM	147	H6	C A	5	40.350	-13.020	113.757	1.00	0.00	H
ATOM	148	H1'	C A	5	38.322	-15.843	115.019	1.00	0.00	H
ATOM	149	H3'	C A	5	41.879	-16.546	113.495	1.00	0.00	H
ATOM	150	H4'	C A	5	41.707	-16.614	116.135	1.00	0.00	H
ATOM	151	H41	C A	5	37.629	-9.271	114.294	1.00	0.00	H
ATOM	152	H42	C A	5	36.187	-9.880	115.150	1.00	0.00	H
ATOM	153	H2'1	C A	5	40.343	-14.759	113.035	1.00	0.00	H
ATOM	154	H2'2	C A	5	39.278	-16.150	112.870	1.00	0.00	H
ATOM	155	H5'1	C A	5	42.213	-14.073	116.294	1.00	0.00	H
ATOM	156	H5'2	C A	5	43.355	-15.165	115.479	1.00	0.00	H
ATOM	157	C1'	G A	6	34.846	-17.410	113.870	1.00	0.00	C
ATOM	158	N1	G A	6	33.104	-12.628	113.506	1.00	0.00	N
ATOM	159	C2	G A	6	32.537	-13.736	114.114	1.00	0.00	C
ATOM	160	N2	G A	6	31.349	-13.546	114.698	1.00	0.00	N

ATOM	161	N3	G A	6	33.113	-14.938	114.133	1.00	0.00	N
ATOM	162	C4	G A	6	34.307	-14.950	113.487	1.00	0.00	C
ATOM	163	C5	G A	6	34.946	-13.898	112.851	1.00	0.00	C
ATOM	164	C6	G A	6	34.340	-12.622	112.832	1.00	0.00	C
ATOM	165	O6	G A	6	34.745	-11.577	112.325	1.00	0.00	O
ATOM	166	N7	G A	6	36.158	-14.327	112.307	1.00	0.00	N
ATOM	167	C8	G A	6	36.217	-15.594	112.626	1.00	0.00	C
ATOM	168	N9	G A	6	35.128	-16.047	113.342	1.00	0.00	N
ATOM	169	C2'	G A	6	35.291	-18.531	112.942	1.00	0.00	C
ATOM	170	C3'	G A	6	35.752	-19.594	113.926	1.00	0.00	C
ATOM	171	O3'	G A	6	34.625	-20.356	114.355	1.00	0.00	O
ATOM	172	C4'	G A	6	36.357	-18.768	115.059	1.00	0.00	C
ATOM	173	O4'	G A	6	35.544	-17.552	115.092	1.00	0.00	O
ATOM	174	C5'	G A	6	37.807	-18.377	114.906	1.00	0.00	C
ATOM	175	O5'	G A	6	38.093	-18.092	113.514	1.00	0.00	O
ATOM	176	O1P	G A	6	39.698	-19.917	112.863	1.00	0.00	O
ATOM	177	O2P	G A	6	39.761	-17.710	111.672	1.00	0.00	O
ATOM	178	P	G A	6	39.536	-18.453	112.937	1.00	0.00	P
ATOM	179	H1	G A	6	32.579	-11.741	113.553	1.00	0.00	H
ATOM	180	H8	G A	6	37.052	-16.238	112.350	1.00	0.00	H
ATOM	181	H1'	G A	6	33.778	-17.479	114.083	1.00	0.00	H
ATOM	182	H21	G A	6	30.912	-12.613	114.683	1.00	0.00	H
ATOM	183	H3'	G A	6	36.493	-20.264	113.488	1.00	0.00	H
ATOM	184	H22	G A	6	30.874	-14.331	115.166	1.00	0.00	H
ATOM	185	H4'	G A	6	36.267	-19.364	115.967	1.00	0.00	H
ATOM	186	H2'1	G A	6	36.103	-18.224	112.281	1.00	0.00	H
ATOM	187	H2'2	G A	6	34.479	-18.897	112.313	1.00	0.00	H
ATOM	188	H5'1	G A	6	38.006	-17.494	115.511	1.00	0.00	H
ATOM	189	H5'2	G A	6	38.437	-19.197	115.251	1.00	0.00	H
ATOM	190	C1'	C A	7	30.008	-17.467	112.813	1.00	0.00	C
ATOM	191	N1	C A	7	30.951	-16.661	111.991	1.00	0.00	N
ATOM	192	C2	C A	7	30.645	-15.319	111.778	1.00	0.00	C
ATOM	193	O2	C A	7	29.611	-14.854	112.274	1.00	0.00	O
ATOM	194	N3	C A	7	31.491	-14.567	111.032	1.00	0.00	N
ATOM	195	C4	C A	7	32.603	-15.097	110.507	1.00	0.00	C
ATOM	196	N4	C A	7	33.396	-14.315	109.789	1.00	0.00	N
ATOM	197	C5	C A	7	32.941	-16.476	110.707	1.00	0.00	C
ATOM	198	C6	C A	7	32.076	-17.214	111.465	1.00	0.00	C
ATOM	199	C2'	C A	7	29.830	-18.897	112.319	1.00	0.00	C
ATOM	200	C3'	C A	7	29.673	-19.666	113.623	1.00	0.00	C
ATOM	201	O3'	C A	7	28.310	-19.608	114.038	1.00	0.00	O
ATOM	202	C4'	C A	7	30.601	-18.914	114.574	1.00	0.00	C
ATOM	203	O4'	C A	7	30.522	-17.521	114.131	1.00	0.00	O
ATOM	204	C5'	C A	7	32.051	-19.340	114.574	1.00	0.00	C
ATOM	205	O5'	C A	7	32.457	-19.695	113.229	1.00	0.00	O
ATOM	206	O1P	C A	7	32.916	-22.165	113.391	1.00	0.00	O
ATOM	207	O2P	C A	7	34.107	-20.777	111.674	1.00	0.00	O
ATOM	208	P	C A	7	33.521	-20.866	113.032	1.00	0.00	P
ATOM	209	H5	C A	7	33.841	-16.915	110.276	1.00	0.00	H
ATOM	210	H6	C A	7	32.294	-18.265	111.652	1.00	0.00	H
ATOM	211	H1'	C A	7	29.052	-16.944	112.849	1.00	0.00	H
ATOM	212	H3'	C A	7	29.975	-20.709	113.518	1.00	0.00	H
ATOM	213	H4'	C A	7	30.210	-19.064	115.580	1.00	0.00	H
ATOM	214	H41	C A	7	34.259	-14.698	109.375	1.00	0.00	H

ATOM	215	H42	C A	7	33.152	-13.326	109.643	1.00	0.00	H
ATOM	216	H2'1	C A	7	30.691	-19.249	111.752	1.00	0.00	H
ATOM	217	H2'2	C A	7	28.950	-19.008	111.683	1.00	0.00	H
ATOM	218	H5'1	C A	7	32.667	-18.517	114.940	1.00	0.00	H
ATOM	219	H5'2	C A	7	32.172	-20.199	115.233	1.00	0.00	H
ATOM	220	C1'	A A	8	25.824	-15.559	110.981	1.00	0.00	C
ATOM	221	N1	A A	8	29.030	-12.870	108.008	1.00	0.00	N
ATOM	222	C2	A A	8	27.925	-12.537	108.669	1.00	0.00	C
ATOM	223	N3	A A	8	27.145	-13.281	109.423	1.00	0.00	N
ATOM	224	C4	A A	8	27.608	-14.545	109.466	1.00	0.00	C
ATOM	225	C5	A A	8	28.719	-15.045	108.848	1.00	0.00	C
ATOM	226	C6	A A	8	29.468	-14.136	108.072	1.00	0.00	C
ATOM	227	N6	A A	8	30.583	-14.484	107.407	1.00	0.00	N
ATOM	228	N7	A A	8	28.882	-16.392	109.124	1.00	0.00	N
ATOM	229	C8	A A	8	27.872	-16.676	109.893	1.00	0.00	C
ATOM	230	N9	A A	8	27.056	-15.602	110.147	1.00	0.00	N
ATOM	231	C2'	A A	8	24.964	-16.810	110.872	1.00	0.00	C
ATOM	232	C3'	A A	8	24.424	-16.948	112.286	1.00	0.00	C
ATOM	233	O3'	A A	8	23.268	-16.127	112.426	1.00	0.00	O
ATOM	234	C4'	A A	8	25.588	-16.456	113.144	1.00	0.00	C
ATOM	235	O4'	A A	8	26.224	-15.417	112.330	1.00	0.00	O
ATOM	236	C5'	A A	8	26.630	-17.485	113.515	1.00	0.00	C
ATOM	237	O5'	A A	8	26.827	-18.403	112.409	1.00	0.00	O
ATOM	238	O1P	A A	8	25.987	-20.595	113.318	1.00	0.00	O
ATOM	239	O2P	A A	8	27.740	-20.569	111.522	1.00	0.00	O
ATOM	240	P	A A	8	27.166	-19.929	112.731	1.00	0.00	P
ATOM	241	H2	A A	8	27.623	-11.495	108.574	1.00	0.00	H
ATOM	242	H8	A A	8	27.690	-17.671	110.298	1.00	0.00	H
ATOM	243	H1'	A A	8	25.258	-14.670	110.704	1.00	0.00	H
ATOM	244	H3'	A A	8	24.166	-17.979	112.526	1.00	0.00	H
ATOM	245	H4'	A A	8	25.159	-16.070	114.068	1.00	0.00	H
ATOM	246	H61	A A	8	31.095	-13.782	106.856	1.00	0.00	H
ATOM	247	H62	A A	8	30.924	-15.456	107.449	1.00	0.00	H
ATOM	248	H2'1	A A	8	25.544	-17.686	110.582	1.00	0.00	H
ATOM	249	H2'2	A A	8	24.158	-16.695	110.148	1.00	0.00	H
ATOM	250	H5'1	A A	8	27.567	-16.977	113.743	1.00	0.00	H
ATOM	251	H5'2	A A	8	26.295	-18.034	114.393	1.00	0.00	H
ATOM	252	C1'	C A	9	23.261	-12.574	107.950	1.00	0.00	C
ATOM	253	N1	C A	9	24.299	-13.490	107.404	1.00	0.00	N
ATOM	254	C2	C A	9	25.273	-12.948	106.567	1.00	0.00	C
ATOM	255	O2	C A	9	25.235	-11.738	106.313	1.00	0.00	O
ATOM	256	N3	C A	9	26.227	-13.766	106.059	1.00	0.00	N
ATOM	257	C4	C A	9	26.241	-15.073	106.351	1.00	0.00	C
ATOM	258	N4	C A	9	27.199	-15.826	105.831	1.00	0.00	N
ATOM	259	C5	C A	9	25.249	-15.659	107.206	1.00	0.00	C
ATOM	260	C6	C A	9	24.301	-14.816	107.710	1.00	0.00	C
ATOM	261	C2'	C A	9	21.875	-13.197	108.035	1.00	0.00	C
ATOM	262	C3'	C A	9	21.324	-12.575	109.309	1.00	0.00	C
ATOM	263	O3'	C A	9	20.765	-11.299	109.001	1.00	0.00	O
ATOM	264	C4'	C A	9	22.561	-12.464	110.195	1.00	0.00	C
ATOM	265	O4'	C A	9	23.656	-12.207	109.260	1.00	0.00	O
ATOM	266	C5'	C A	9	22.907	-13.681	111.021	1.00	0.00	C
ATOM	267	O5'	C A	9	22.607	-14.884	110.268	1.00	0.00	O
ATOM	268	O1P	C A	9	20.733	-15.939	111.575	1.00	0.00	O

ATOM	269	O2P	C A	9	22.264	-17.373	110.197	1.00	0.00	O
ATOM	270	P	C A	9	22.094	-16.174	111.054	1.00	0.00	P
ATOM	271	H5	C A	9	25.254	-16.724	107.442	1.00	0.00	H
ATOM	272	H6	C A	9	23.531	-15.213	108.372	1.00	0.00	H
ATOM	273	H1'	C A	9	23.247	-11.672	107.340	1.00	0.00	H
ATOM	274	H3'	C A	9	20.561	-13.200	109.771	1.00	0.00	H
ATOM	275	H4'	C A	9	22.386	-11.635	110.882	1.00	0.00	H
ATOM	276	H41	C A	9	27.235	-16.834	106.041	1.00	0.00	H
ATOM	277	H42	C A	9	27.908	-15.403	105.214	1.00	0.00	H
ATOM	278	H2'1	C A	9	21.913	-14.283	108.110	1.00	0.00	H
ATOM	279	H2'2	C A	9	21.257	-12.950	107.171	1.00	0.00	H
ATOM	280	H5'1	C A	9	23.967	-13.657	111.270	1.00	0.00	H
ATOM	281	H5'2	C A	9	22.323	-13.668	111.940	1.00	0.00	H
ATOM	282	C1'	C A	10	22.606	-9.914	103.825	1.00	0.00	C
ATOM	283	N1	C A	10	23.037	-11.337	103.746	1.00	0.00	N
ATOM	284	C2	C A	10	24.161	-11.636	102.980	1.00	0.00	C
ATOM	285	O2	C A	10	24.752	-10.716	102.399	1.00	0.00	O
ATOM	286	N3	C A	10	24.571	-12.926	102.895	1.00	0.00	N
ATOM	287	C4	C A	10	23.910	-13.902	103.533	1.00	0.00	C
ATOM	288	N4	C A	10	24.355	-15.144	103.418	1.00	0.00	N
ATOM	289	C5	C A	10	22.748	-13.623	104.325	1.00	0.00	C
ATOM	290	C6	C A	10	22.357	-12.316	104.400	1.00	0.00	C
ATOM	291	C2'	C A	10	21.095	-9.730	103.829	1.00	0.00	C
ATOM	292	C3'	C A	10	20.924	-8.541	104.762	1.00	0.00	C
ATOM	293	O3'	C A	10	21.100	-7.335	104.021	1.00	0.00	O
ATOM	294	C4'	C A	10	22.032	-8.753	105.790	1.00	0.00	C
ATOM	295	O4'	C A	10	23.116	-9.377	105.031	1.00	0.00	O
ATOM	296	C5'	C A	10	21.695	-9.640	106.967	1.00	0.00	C
ATOM	297	O5'	C A	10	20.833	-10.724	106.533	1.00	0.00	O
ATOM	298	O1P	C A	10	18.665	-10.255	107.724	1.00	0.00	O
ATOM	299	O2P	C A	10	19.265	-12.607	107.089	1.00	0.00	O
ATOM	300	P	C A	10	19.721	-11.269	107.538	1.00	0.00	P
ATOM	301	H5	C A	10	22.202	-14.414	104.840	1.00	0.00	H
ATOM	302	H6	C A	10	21.483	-12.054	104.996	1.00	0.00	H
ATOM	303	H1'	C A	10	23.064	-9.373	102.997	1.00	0.00	H
ATOM	304	H3'	C A	10	19.942	-8.532	105.235	1.00	0.00	H
ATOM	305	H4'	C A	10	22.294	-7.771	106.181	1.00	0.00	H
ATOM	306	H41	C A	10	23.867	-15.913	103.901	1.00	0.00	H
ATOM	307	H42	C A	10	25.188	-15.342	102.846	1.00	0.00	H
ATOM	308	H2'1	C A	10	20.572	-10.607	104.206	1.00	0.00	H
ATOM	309	H2'2	C A	10	20.702	-9.514	102.833	1.00	0.00	H
ATOM	310	H5'1	C A	10	22.616	-10.048	107.385	1.00	0.00	H
ATOM	311	H5'2	C A	10	21.188	-9.048	107.727	1.00	0.00	H
ATOM	312	C1'	T A	11	23.447	-8.766	99.084	1.00	0.00	C
ATOM	313	N1	T A	11	23.109	-10.164	99.464	1.00	0.00	N
ATOM	314	C2	T A	11	23.945	-11.161	99.007	1.00	0.00	C
ATOM	315	O2	T A	11	24.927	-10.937	98.319	1.00	0.00	O
ATOM	316	N3	T A	11	23.595	-12.444	99.385	1.00	0.00	N
ATOM	317	C4	T A	11	22.508	-12.806	100.155	1.00	0.00	C
ATOM	318	O4	T A	11	22.292	-13.994	100.426	1.00	0.00	O
ATOM	319	C5	T A	11	21.692	-11.695	100.585	1.00	0.00	C
ATOM	320	C6	T A	11	22.005	-10.432	100.236	1.00	0.00	C
ATOM	321	C7	T A	11	20.501	-12.042	101.427	1.00	0.00	C
ATOM	322	C2'	T A	11	22.231	-7.900	98.779	1.00	0.00	C

ATOM	323	C3'	T A	11	22.665	-6.544	99.314	1.00	0.00	C
ATOM	324	O3'	T A	11	23.432	-5.870	98.319	1.00	0.00	O
ATOM	325	C4'	T A	11	23.502	-6.914	100.536	1.00	0.00	C
ATOM	326	O4'	T A	11	24.139	-8.179	100.169	1.00	0.00	O
ATOM	327	C5'	T A	11	22.750	-7.111	101.832	1.00	0.00	C
ATOM	328	O5'	T A	11	21.468	-7.733	101.564	1.00	0.00	O
ATOM	329	O1P	T A	11	19.810	-5.948	102.195	1.00	0.00	O
ATOM	330	O2P	T A	11	19.160	-8.368	102.328	1.00	0.00	O
ATOM	331	P	T A	11	20.219	-7.339	102.472	1.00	0.00	P
ATOM	332	H3	T A	11	24.205	-13.207	99.061	1.00	0.00	H
ATOM	333	H6	T A	11	21.374	-9.609	100.574	1.00	0.00	H
ATOM	334	H1'	T A	11	24.126	-8.799	98.232	1.00	0.00	H
ATOM	335	H3'	T A	11	21.813	-5.926	99.592	1.00	0.00	H
ATOM	336	H4'	T A	11	24.218	-6.104	100.687	1.00	0.00	H
ATOM	337	H71	T A	11	19.588	-11.799	100.883	1.00	0.00	H
ATOM	338	H72	T A	11	20.515	-13.109	101.655	1.00	0.00	H
ATOM	339	H73	T A	11	20.532	-11.472	102.356	1.00	0.00	H
ATOM	340	H2'1	T A	11	21.335	-8.257	99.282	1.00	0.00	H
ATOM	341	H2'2	T A	11	22.013	-7.855	97.711	1.00	0.00	H
ATOM	342	H5'1	T A	11	23.337	-7.745	102.495	1.00	0.00	H
ATOM	343	H5'2	T A	11	22.595	-6.142	102.307	1.00	0.00	H
ATOM	344	C1'	A A	12	24.833	-9.807	94.434	1.00	0.00	C
ATOM	345	N1	A A	12	23.464	-14.591	95.688	1.00	0.00	N
ATOM	346	C2	A A	12	24.500	-14.100	95.016	1.00	0.00	C
ATOM	347	N3	A A	12	24.796	-12.849	94.730	1.00	0.00	N
ATOM	348	C4	A A	12	23.855	-12.025	95.224	1.00	0.00	C
ATOM	349	C5	A A	12	22.736	-12.366	95.929	1.00	0.00	C
ATOM	350	C6	A A	12	22.541	-13.743	96.169	1.00	0.00	C
ATOM	351	N6	A A	12	21.488	-14.228	96.849	1.00	0.00	N
ATOM	352	N7	A A	12	22.001	-11.247	96.273	1.00	0.00	N
ATOM	353	C8	A A	12	22.681	-10.259	95.769	1.00	0.00	C
ATOM	354	N9	A A	12	23.822	-10.656	95.119	1.00	0.00	N
ATOM	355	C2'	A A	12	24.235	-8.618	93.693	1.00	0.00	C
ATOM	356	C3'	A A	12	25.296	-7.549	93.900	1.00	0.00	C
ATOM	357	O3'	A A	12	26.310	-7.699	92.908	1.00	0.00	O
ATOM	358	C4'	A A	12	25.816	-7.852	95.305	1.00	0.00	C
ATOM	359	O4'	A A	12	25.717	-9.308	95.419	1.00	0.00	O
ATOM	360	C5'	A A	12	25.056	-7.224	96.449	1.00	0.00	C
ATOM	361	O5'	A A	12	23.639	-7.202	96.145	1.00	0.00	O
ATOM	362	O1P	A A	12	23.124	-4.745	95.955	1.00	0.00	O
ATOM	363	O2P	A A	12	21.324	-6.356	96.636	1.00	0.00	O
ATOM	364	P	A A	12	22.760	-5.982	96.675	1.00	0.00	P
ATOM	365	H2	A A	12	25.210	-14.841	94.650	1.00	0.00	H
ATOM	366	H8	A A	12	22.376	-9.216	95.855	1.00	0.00	H
ATOM	367	H1'	A A	12	25.407	-10.440	93.758	1.00	0.00	H
ATOM	368	H3'	A A	12	24.882	-6.543	93.843	1.00	0.00	H
ATOM	369	H4'	A A	12	26.843	-7.489	95.348	1.00	0.00	H
ATOM	370	H61	A A	12	21.394	-15.241	96.999	1.00	0.00	H
ATOM	371	H62	A A	12	20.774	-13.582	97.220	1.00	0.00	H
ATOM	372	H2'1	A A	12	23.277	-8.310	94.109	1.00	0.00	H
ATOM	373	H2'2	A A	12	24.082	-8.826	92.635	1.00	0.00	H
ATOM	374	H5'1	A A	12	25.229	-7.807	97.354	1.00	0.00	H
ATOM	375	H5'2	A A	12	25.416	-6.209	96.604	1.00	0.00	H
ATOM	376	C1'	G A	13	25.540	-12.860	90.583	1.00	0.00	C

ATOM	377	N1	G A	13	21.907	-15.648	92.832	1.00	0.00	N
ATOM	378	C2	G A	13	23.091	-16.046	92.239	1.00	0.00	C
ATOM	379	N2	G A	13	23.340	-17.363	92.240	1.00	0.00	N
ATOM	380	N3	G A	13	23.957	-15.199	91.685	1.00	0.00	N
ATOM	381	C4	G A	13	23.542	-13.909	91.766	1.00	0.00	C
ATOM	382	C5	G A	13	22.377	-13.419	92.335	1.00	0.00	C
ATOM	383	C6	G A	13	21.459	-14.317	92.926	1.00	0.00	C
ATOM	384	O6	G A	13	20.382	-14.077	93.475	1.00	0.00	O
ATOM	385	N7	G A	13	22.325	-12.030	92.209	1.00	0.00	N
ATOM	386	C8	G A	13	23.434	-11.727	91.585	1.00	0.00	C
ATOM	387	N9	G A	13	24.225	-12.815	91.281	1.00	0.00	N
ATOM	388	C2'	G A	13	25.663	-11.862	89.441	1.00	0.00	C
ATOM	389	C3'	G A	13	27.123	-11.453	89.532	1.00	0.00	C
ATOM	390	O3'	G A	13	27.920	-12.403	88.827	1.00	0.00	O
ATOM	391	C4'	G A	13	27.391	-11.478	91.036	1.00	0.00	C
ATOM	392	O4'	G A	13	26.543	-12.561	91.534	1.00	0.00	O
ATOM	393	C5'	G A	13	27.059	-10.216	91.797	1.00	0.00	C
ATOM	394	O5'	G A	13	25.868	-9.606	91.240	1.00	0.00	O
ATOM	395	O1P	G A	13	26.718	-7.442	90.276	1.00	0.00	O
ATOM	396	O2P	G A	13	24.335	-7.625	91.036	1.00	0.00	O
ATOM	397	P	G A	13	25.753	-8.015	91.232	1.00	0.00	P
ATOM	398	H1	G A	13	21.308	-16.383	93.238	1.00	0.00	H
ATOM	399	H8	G A	13	23.710	-10.704	91.326	1.00	0.00	H
ATOM	400	H1'	G A	13	25.704	-13.879	90.231	1.00	0.00	H
ATOM	401	H21	G A	13	22.665	-18.011	92.674	1.00	0.00	H
ATOM	402	H3'	G A	13	27.297	-10.460	89.117	1.00	0.00	H
ATOM	403	H22	G A	13	24.202	-17.723	91.811	1.00	0.00	H
ATOM	404	H4'	G A	13	28.454	-11.675	91.165	1.00	0.00	H
ATOM	405	H2'1	G A	13	25.002	-11.004	89.569	1.00	0.00	H
ATOM	406	H2'2	G A	13	25.434	-12.309	88.473	1.00	0.00	H
ATOM	407	H5'1	G A	13	26.891	-10.464	92.844	1.00	0.00	H
ATOM	408	H5'2	G A	13	27.898	-9.524	91.723	1.00	0.00	H
ATOM	409	C1'	G A	14	24.649	-16.928	87.902	1.00	0.00	C
ATOM	410	N1	G A	14	20.072	-16.719	90.146	1.00	0.00	N
ATOM	411	C2	G A	14	20.894	-17.804	89.905	1.00	0.00	C
ATOM	412	N2	G A	14	20.434	-18.994	90.314	1.00	0.00	N
ATOM	413	N3	G A	14	22.080	-17.712	89.304	1.00	0.00	N
ATOM	414	C4	G A	14	22.380	-16.436	88.951	1.00	0.00	C
ATOM	415	C5	G A	14	21.622	-15.293	89.147	1.00	0.00	C
ATOM	416	C6	G A	14	20.367	-15.389	89.787	1.00	0.00	C
ATOM	417	O6	G A	14	19.557	-14.499	90.049	1.00	0.00	O
ATOM	418	N7	G A	14	22.291	-14.178	88.635	1.00	0.00	N
ATOM	419	C8	G A	14	23.408	-14.668	88.160	1.00	0.00	C
ATOM	420	N9	G A	14	23.534	-16.033	88.314	1.00	0.00	N
ATOM	421	C2'	G A	14	25.280	-16.547	86.570	1.00	0.00	C
ATOM	422	C3'	G A	14	26.744	-16.886	86.804	1.00	0.00	C
ATOM	423	O3'	G A	14	26.953	-18.272	86.542	1.00	0.00	O
ATOM	424	C4'	G A	14	26.940	-16.542	88.280	1.00	0.00	C
ATOM	425	O4'	G A	14	25.651	-16.854	88.898	1.00	0.00	O
ATOM	426	C5'	G A	14	27.290	-15.106	88.592	1.00	0.00	C
ATOM	427	O5'	G A	14	26.587	-14.221	87.685	1.00	0.00	O
ATOM	428	O1P	G A	14	28.437	-13.183	86.331	1.00	0.00	O
ATOM	429	O2P	G A	14	26.286	-11.940	86.676	1.00	0.00	O
ATOM	430	P	G A	14	27.302	-12.873	87.221	1.00	0.00	P

ATOM	431	H1	G A	14	19.176	-16.897	90.624	1.00	0.00	H
ATOM	432	H8	G A	14	24.170	-14.052	87.684	1.00	0.00	H
ATOM	433	H1'	G A	14	24.274	-17.952	87.878	1.00	0.00	H
ATOM	434	H21	G A	14	19.518	-19.058	90.781	1.00	0.00	H
ATOM	435	H3'	G A	14	27.406	-16.296	86.170	1.00	0.00	H
ATOM	436	H22	G A	14	20.997	-19.843	90.162	1.00	0.00	H
ATOM	437	H4'	G A	14	27.750	-17.170	88.646	1.00	0.00	H
ATOM	438	H2'1	G A	14	25.150	-15.491	86.337	1.00	0.00	H
ATOM	439	H2'2	G A	14	24.868	-17.120	85.738	1.00	0.00	H
ATOM	440	H5'1	G A	14	27.005	-14.884	89.621	1.00	0.00	H
ATOM	441	H5'2	G A	14	28.366	-14.968	88.482	1.00	0.00	H
ATOM	442	C1'	A A	15	21.860	-20.699	86.320	1.00	0.00	C
ATOM	443	N1	A A	15	17.968	-17.601	87.584	1.00	0.00	N
ATOM	444	C2	A A	15	18.176	-18.903	87.762	1.00	0.00	C
ATOM	445	N3	A A	15	19.208	-19.642	87.413	1.00	0.00	N
ATOM	446	C4	A A	15	20.130	-18.886	86.788	1.00	0.00	C
ATOM	447	C5	A A	15	20.069	-17.547	86.524	1.00	0.00	C
ATOM	448	C6	A A	15	18.906	-16.875	86.957	1.00	0.00	C
ATOM	449	N6	A A	15	18.708	-15.559	86.769	1.00	0.00	N
ATOM	450	N7	A A	15	21.206	-17.115	85.864	1.00	0.00	N
ATOM	451	C8	A A	15	21.921	-18.194	85.739	1.00	0.00	C
ATOM	452	N9	A A	15	21.333	-19.310	86.278	1.00	0.00	N
ATOM	453	C2'	A A	15	22.618	-21.107	85.063	1.00	0.00	C
ATOM	454	C3'	A A	15	23.714	-21.997	85.629	1.00	0.00	C
ATOM	455	O3'	A A	15	23.206	-23.318	85.788	1.00	0.00	O
ATOM	456	C4'	A A	15	24.033	-21.334	86.968	1.00	0.00	C
ATOM	457	O4'	A A	15	22.750	-20.790	87.416	1.00	0.00	O
ATOM	458	C5'	A A	15	25.048	-20.217	86.940	1.00	0.00	C
ATOM	459	O5'	A A	15	24.894	-19.445	85.721	1.00	0.00	O
ATOM	460	O1P	A A	15	27.037	-19.889	84.477	1.00	0.00	O
ATOM	461	O2P	A A	15	25.787	-17.747	84.098	1.00	0.00	O
ATOM	462	P	A A	15	26.193	-18.817	85.041	1.00	0.00	P
ATOM	463	H2	A A	15	17.374	-19.435	88.275	1.00	0.00	H
ATOM	464	H8	A A	15	22.896	-18.211	85.251	1.00	0.00	H
ATOM	465	H1'	A A	15	21.025	-21.374	86.508	1.00	0.00	H
ATOM	466	H3'	A A	15	24.593	-22.023	84.984	1.00	0.00	H
ATOM	467	H4'	A A	15	24.416	-22.116	87.623	1.00	0.00	H
ATOM	468	H61	A A	15	17.841	-15.117	87.107	1.00	0.00	H
ATOM	469	H62	A A	15	19.422	-14.995	86.287	1.00	0.00	H
ATOM	470	H2'1	A A	15	23.035	-20.249	84.537	1.00	0.00	H
ATOM	471	H2'2	A A	15	21.989	-21.651	84.358	1.00	0.00	H
ATOM	472	H5'1	A A	15	24.894	-19.572	87.805	1.00	0.00	H
ATOM	473	H5'2	A A	15	26.049	-20.642	86.982	1.00	0.00	H
ATOM	474	C1'	C A	16	17.520	-22.921	85.376	1.00	0.00	C
ATOM	475	N1	C A	16	17.797	-21.556	84.852	1.00	0.00	N
ATOM	476	C2	C A	16	16.854	-20.561	85.093	1.00	0.00	C
ATOM	477	O2	C A	16	15.831	-20.849	85.728	1.00	0.00	O
ATOM	478	N3	C A	16	17.087	-19.310	84.623	1.00	0.00	N
ATOM	479	C4	C A	16	18.203	-19.031	83.938	1.00	0.00	C
ATOM	480	N4	C A	16	18.381	-17.790	83.506	1.00	0.00	N
ATOM	481	C5	C A	16	19.190	-20.035	83.671	1.00	0.00	C
ATOM	482	C6	C A	16	18.937	-21.287	84.157	1.00	0.00	C
ATOM	483	C2'	C A	16	17.965	-24.040	84.444	1.00	0.00	C
ATOM	484	C3'	C A	16	18.432	-25.104	85.425	1.00	0.00	C

ATOM	485	O3'	C	A	16	17.308	-25.869	85.855	1.00	0.00	O
ATOM	486	C4'	C	A	16	19.038	-24.279	86.558	1.00	0.00	C
ATOM	487	O4'	C	A	16	18.224	-23.064	86.596	1.00	0.00	O
ATOM	488	C5'	C	A	16	20.488	-23.884	86.399	1.00	0.00	C
ATOM	489	O5'	C	A	16	20.768	-23.596	85.005	1.00	0.00	O
ATOM	490	O1P	C	A	16	22.375	-25.416	84.344	1.00	0.00	O
ATOM	491	O2P	C	A	16	22.427	-23.205	83.159	1.00	0.00	O
ATOM	492	P	C	A	16	22.208	-23.952	84.423	1.00	0.00	P
ATOM	493	H5	C	A	16	20.097	-19.812	83.107	1.00	0.00	H
ATOM	494	H6	C	A	16	19.662	-22.082	83.987	1.00	0.00	H
ATOM	495	H1'	C	A	16	16.454	-22.993	85.594	1.00	0.00	H
ATOM	496	H3'	C	A	16	19.174	-25.769	84.980	1.00	0.00	H
ATOM	497	H4'	C	A	16	18.955	-24.878	87.464	1.00	0.00	H
ATOM	498	H41	C	A	16	19.232	-17.546	82.978	1.00	0.00	H
ATOM	499	H42	C	A	16	17.670	-17.069	83.696	1.00	0.00	H
ATOM	500	H2'1	C	A	16	18.773	-23.730	83.781	1.00	0.00	H
ATOM	501	H2'2	C	A	16	17.149	-24.405	83.818	1.00	0.00	H
ATOM	502	H5'1	C	A	16	20.686	-23.002	87.006	1.00	0.00	H
ATOM	503	H5'2	C	A	16	21.121	-24.704	86.739	1.00	0.00	H
ATOM	504	C1'	G	A	17	12.683	-22.978	84.319	1.00	0.00	C
ATOM	505	N1	G	A	17	13.636	-18.369	82.350	1.00	0.00	N
ATOM	506	C2	G	A	17	12.575	-18.801	83.127	1.00	0.00	C
ATOM	507	N2	G	A	17	11.644	-17.884	83.415	1.00	0.00	N
ATOM	508	N3	G	A	17	12.454	-20.048	83.579	1.00	0.00	N
ATOM	509	C4	G	A	17	13.484	-20.844	83.184	1.00	0.00	C
ATOM	510	C5	G	A	17	14.579	-20.502	82.409	1.00	0.00	C
ATOM	511	C6	G	A	17	14.711	-19.178	81.931	1.00	0.00	C
ATOM	512	O6	G	A	17	15.601	-18.686	81.236	1.00	0.00	O
ATOM	513	N7	G	A	17	15.409	-21.610	82.229	1.00	0.00	N
ATOM	514	C8	G	A	17	14.805	-22.566	82.890	1.00	0.00	C
ATOM	515	N9	G	A	17	13.629	-22.177	83.497	1.00	0.00	N
ATOM	516	C2'	G	A	17	12.505	-24.409	83.830	1.00	0.00	C
ATOM	517	C3'	G	A	17	12.343	-25.174	85.134	1.00	0.00	C
ATOM	518	O3'	G	A	17	10.981	-25.112	85.548	1.00	0.00	O
ATOM	519	C4'	G	A	17	13.271	-24.419	86.086	1.00	0.00	C
ATOM	520	O4'	G	A	17	13.194	-23.029	85.637	1.00	0.00	O
ATOM	521	C5'	G	A	17	14.719	-24.847	86.092	1.00	0.00	C
ATOM	522	O5'	G	A	17	15.129	-25.207	84.749	1.00	0.00	O
ATOM	523	O1P	G	A	17	15.582	-27.677	84.923	1.00	0.00	O
ATOM	524	O2P	G	A	17	16.781	-26.298	83.203	1.00	0.00	O
ATOM	525	P	G	A	17	16.191	-26.381	84.560	1.00	0.00	P
ATOM	526	H1	G	A	17	13.639	-17.381	82.057	1.00	0.00	H
ATOM	527	H8	G	A	17	15.199	-23.581	82.954	1.00	0.00	H
ATOM	528	H1'	G	A	17	11.728	-22.454	84.349	1.00	0.00	H
ATOM	529	H21	G	A	17	11.745	-16.921	83.065	1.00	0.00	H
ATOM	530	H3'	G	A	17	12.645	-26.216	85.037	1.00	0.00	H
ATOM	531	H22	G	A	17	10.827	-18.142	83.988	1.00	0.00	H
ATOM	532	H4'	G	A	17	12.877	-24.563	87.091	1.00	0.00	H
ATOM	533	H2'1	G	A	17	13.368	-24.764	83.266	1.00	0.00	H
ATOM	534	H2'2	G	A	17	11.627	-24.522	83.192	1.00	0.00	H
ATOM	535	H5'1	G	A	17	15.333	-24.024	86.456	1.00	0.00	H
ATOM	536	H5'2	G	A	17	14.836	-25.703	86.756	1.00	0.00	H
ATOM	537	C1'	G	A	18	8.511	-21.052	82.474	1.00	0.00	C
ATOM	538	N1	G	A	18	11.713	-18.401	79.516	1.00	0.00	N

ATOM	539	C2	G A	18	10.571	-17.990	80.180	1.00	0.00	C
ATOM	540	N2	G A	18	10.235	-16.701	80.034	1.00	0.00	N
ATOM	541	N3	G A	18	9.824	-18.798	80.928	1.00	0.00	N
ATOM	542	C4	G A	18	10.306	-20.068	80.958	1.00	0.00	C
ATOM	543	C5	G A	18	11.432	-20.570	80.326	1.00	0.00	C
ATOM	544	C6	G A	18	12.229	-19.710	79.534	1.00	0.00	C
ATOM	545	O6	G A	18	13.254	-19.967	78.901	1.00	0.00	O
ATOM	546	N7	G A	18	11.580	-21.928	80.608	1.00	0.00	N
ATOM	547	C8	G A	18	10.565	-22.202	81.388	1.00	0.00	C
ATOM	548	N9	G A	18	9.745	-21.122	81.644	1.00	0.00	N
ATOM	549	C2'	G A	18	7.632	-22.290	82.373	1.00	0.00	C
ATOM	550	C3'	G A	18	7.086	-22.408	83.786	1.00	0.00	C
ATOM	551	O3'	G A	18	5.941	-21.569	83.917	1.00	0.00	O
ATOM	552	C4'	G A	18	8.255	-21.926	84.645	1.00	0.00	C
ATOM	553	O4'	G A	18	8.907	-20.905	83.824	1.00	0.00	O
ATOM	554	C5'	G A	18	9.281	-22.967	85.025	1.00	0.00	C
ATOM	555	O5'	G A	18	9.467	-23.898	83.930	1.00	0.00	O
ATOM	556	O1P	G A	18	8.592	-26.069	84.853	1.00	0.00	O
ATOM	557	O2P	G A	18	10.348	-26.085	83.063	1.00	0.00	O
ATOM	558	P	G A	18	9.781	-25.426	84.264	1.00	0.00	P
ATOM	559	H1	G A	18	12.225	-17.693	78.967	1.00	0.00	H
ATOM	560	H8	G A	18	10.381	-23.194	81.798	1.00	0.00	H
ATOM	561	H1'	G A	18	7.958	-20.156	82.187	1.00	0.00	H
ATOM	562	H21	G A	18	10.821	-16.080	79.455	1.00	0.00	H
ATOM	563	H3'	G A	18	6.812	-23.434	84.035	1.00	0.00	H
ATOM	564	H22	G A	18	9.395	-16.334	80.499	1.00	0.00	H
ATOM	565	H4'	G A	18	7.829	-21.526	85.564	1.00	0.00	H
ATOM	566	H2'1	G A	18	8.200	-23.178	82.092	1.00	0.00	H
ATOM	567	H2'2	G A	18	6.829	-22.171	81.645	1.00	0.00	H
ATOM	568	H5'1	G A	18	10.224	-22.473	85.253	1.00	0.00	H
ATOM	569	H5'2	G A	18	8.935	-23.503	85.909	1.00	0.00	H
ATOM	570	C1'	T A	19	5.919	-18.091	79.470	1.00	0.00	C
ATOM	571	N1	T A	19	6.964	-18.989	78.913	1.00	0.00	N
ATOM	572	C2	T A	19	7.910	-18.419	78.086	1.00	0.00	C
ATOM	573	O2	T A	19	7.912	-17.231	77.807	1.00	0.00	O
ATOM	574	N3	T A	19	8.863	-19.288	77.591	1.00	0.00	N
ATOM	575	C4	T A	19	8.949	-20.642	77.840	1.00	0.00	C
ATOM	576	O4	T A	19	9.849	-21.323	77.334	1.00	0.00	O
ATOM	577	C5	T A	19	7.918	-21.149	78.714	1.00	0.00	C
ATOM	578	C6	T A	19	6.973	-20.329	79.216	1.00	0.00	C
ATOM	579	C7	T A	19	7.974	-22.616	79.014	1.00	0.00	C
ATOM	580	C2'	T A	19	4.539	-18.733	79.557	1.00	0.00	C
ATOM	581	C3'	T A	19	3.986	-18.128	80.837	1.00	0.00	C
ATOM	582	O3'	T A	19	3.410	-16.857	80.542	1.00	0.00	O
ATOM	583	C4'	T A	19	5.226	-18.009	81.719	1.00	0.00	C
ATOM	584	O4'	T A	19	6.313	-17.731	80.781	1.00	0.00	O
ATOM	585	C5'	T A	19	5.591	-19.228	82.534	1.00	0.00	C
ATOM	586	O5'	T A	19	5.304	-20.428	81.773	1.00	0.00	O
ATOM	587	O1P	T A	19	3.448	-21.516	83.079	1.00	0.00	O
ATOM	588	O2P	T A	19	4.991	-22.920	81.683	1.00	0.00	O
ATOM	589	P	T A	19	4.810	-21.731	82.550	1.00	0.00	P
ATOM	590	H3	T A	19	9.583	-18.885	76.973	1.00	0.00	H
ATOM	591	H6	T A	19	6.204	-20.735	79.874	1.00	0.00	H
ATOM	592	H1'	T A	19	5.890	-17.184	78.867	1.00	0.00	H

ATOM	593	H3'	T A	19	3.234	-18.767	81.298	1.00	0.00	H
ATOM	594	H4'	T A	19	5.043	-17.188	82.414	1.00	0.00	H
ATOM	595	H71	T A	19	7.099	-23.108	78.590	1.00	0.00	H
ATOM	596	H72	T A	19	8.877	-23.043	78.577	1.00	0.00	H
ATOM	597	H73	T A	19	7.986	-22.769	80.094	1.00	0.00	H
ATOM	598	H2'1	T A	19	4.594	-19.820	79.622	1.00	0.00	H
ATOM	599	H2'2	T A	19	3.914	-18.488	78.697	1.00	0.00	H
ATOM	600	H5'1	T A	19	6.652	-19.192	82.779	1.00	0.00	H
ATOM	601	H5'2	T A	19	5.010	-19.229	83.455	1.00	0.00	H
ATOM	602	C01	LNK A	20	0.056	-15.962	79.197	0.00	0.00	C
ATOM	603	O1	LNK A	20	1.038	-16.925	79.588	1.00	0.00	O
ATOM	604	S	LNK A	20	-3.570	-15.866	77.558	0.00	0.00	S
ATOM	605	C02	LNK A	20	-1.170	-16.690	78.614	0.00	0.00	C
ATOM	606	C03	LNK A	20	-1.753	-15.865	77.452	0.00	0.00	C
ATOM	607	O1P	LNK A	20	2.863	-18.005	78.233	1.00	0.00	O
ATOM	608	O2P	LNK A	20	2.648	-15.505	78.282	1.00	0.00	O
ATOM	609	P	LNK A	20	2.516	-16.795	79.004	1.00	0.00	P
ATOM	610	H01	LNK A	20	0.477	-15.298	78.443	0.00	0.00	H
ATOM	611	H02	LNK A	20	-0.248	-15.379	80.067	0.00	0.00	H
ATOM	612	H03	LNK A	20	-1.444	-16.304	76.503	0.00	0.00	H
ATOM	613	H04	LNK A	20	-1.927	-16.809	79.391	0.00	0.00	H
ATOM	614	H05	LNK A	20	-0.870	-17.672	78.247	0.00	0.00	H
ATOM	615	H06	LNK A	20	-1.386	-14.840	77.515	0.00	0.00	H
ATOM	616	AU	LNK A	20	-3.833	-15.586	76.990			
TER										
ATOM	618	C1'	A B	2	14.183	-15.533	72.833	1.00	0.00	C
ATOM	619	N1	A B	2	10.929	-18.153	75.816	1.00	0.00	N
ATOM	620	C2	A B	2	11.000	-16.870	75.475	1.00	0.00	C
ATOM	621	N3	A B	2	11.867	-16.259	74.696	1.00	0.00	N
ATOM	622	C4	A B	2	12.775	-17.136	74.230	1.00	0.00	C
ATOM	623	C5	A B	2	12.841	-18.477	74.485	1.00	0.00	C
ATOM	624	C6	A B	2	11.847	-19.005	75.336	1.00	0.00	C
ATOM	625	N6	A B	2	11.784	-20.304	75.675	1.00	0.00	N
ATOM	626	N7	A B	2	13.912	-19.058	73.828	1.00	0.00	N
ATOM	627	C8	A B	2	14.468	-18.065	73.201	1.00	0.00	C
ATOM	628	N9	A B	2	13.831	-16.867	73.395	1.00	0.00	N
ATOM	629	C2'	A B	2	15.682	-15.282	72.746	1.00	0.00	C
ATOM	630	C3'	A B	2	15.793	-14.471	71.466	1.00	0.00	C
ATOM	631	O3'	A B	2	15.546	-13.098	71.759	1.00	0.00	O
ATOM	632	C4'	A B	2	14.704	-15.077	70.583	1.00	0.00	C
ATOM	633	O4'	A B	2	13.651	-15.464	71.525	1.00	0.00	O
ATOM	634	C5'	A B	2	15.095	-16.288	69.770	1.00	0.00	C
ATOM	635	O5'	A B	2	16.012	-17.115	70.532	1.00	0.00	O
ATOM	636	H2	A B	2	10.230	-16.231	75.902	1.00	0.00	H
ATOM	637	H8	A B	2	15.358	-18.173	72.579	1.00	0.00	H
ATOM	638	H1'	A B	2	13.693	-14.770	73.437	1.00	0.00	H
ATOM	639	H3'	A B	2	16.775	-14.570	71.002	1.00	0.00	H
ATOM	640	H4'	A B	2	14.388	-14.298	69.890	1.00	0.00	H
ATOM	641	H61	A B	2	11.037	-20.638	76.297	1.00	0.00	H
ATOM	642	H62	A B	2	12.488	-20.964	75.310	1.00	0.00	H
ATOM	643	H2'1	A B	2	16.254	-16.207	72.680	1.00	0.00	H
ATOM	644	H2'2	A B	2	16.058	-14.723	73.604	1.00	0.00	H
ATOM	645	H5'1	A B	2	14.199	-16.860	69.527	1.00	0.00	H
ATOM	646	H5'2	A B	2	15.573	-15.960	68.848	1.00	0.00	H

ATOM	647	C1'	C B	3	13.180	-12.953	76.955	1.00	0.00	C
ATOM	648	N1	C B	3	13.634	-14.368	77.042	1.00	0.00	N
ATOM	649	C2	C B	3	12.880	-15.250	77.814	1.00	0.00	C
ATOM	650	O2	C B	3	11.870	-14.824	78.390	1.00	0.00	O
ATOM	651	N3	C B	3	13.276	-16.541	77.906	1.00	0.00	N
ATOM	652	C4	C B	3	14.374	-16.972	77.271	1.00	0.00	C
ATOM	653	N4	C B	3	14.713	-18.249	77.394	1.00	0.00	N
ATOM	654	C5	C B	3	15.173	-16.088	76.474	1.00	0.00	C
ATOM	655	C6	C B	3	14.752	-14.791	76.391	1.00	0.00	C
ATOM	656	C2'	C B	3	14.320	-11.943	76.946	1.00	0.00	C
ATOM	657	C3'	C B	3	13.786	-10.872	76.007	1.00	0.00	C
ATOM	658	O3'	C B	3	12.955	-9.976	76.742	1.00	0.00	O
ATOM	659	C4'	C B	3	12.996	-11.683	74.983	1.00	0.00	C
ATOM	660	O4'	C B	3	12.457	-12.807	75.749	1.00	0.00	O
ATOM	661	C5'	C B	3	13.777	-12.227	73.810	1.00	0.00	C
ATOM	662	O5'	C B	3	15.101	-12.625	74.246	1.00	0.00	O
ATOM	663	O1P	C B	3	16.619	-11.015	73.047	1.00	0.00	O
ATOM	664	O2P	C B	3	17.461	-13.289	73.695	1.00	0.00	O
ATOM	665	P	C B	3	16.325	-12.450	73.242	1.00	0.00	P
ATOM	666	H5	C B	3	16.071	-16.432	75.961	1.00	0.00	H
ATOM	667	H6	C B	3	15.323	-14.082	75.792	1.00	0.00	H
ATOM	668	H1'	C B	3	12.496	-12.763	77.783	1.00	0.00	H
ATOM	669	H3'	C B	3	14.589	-10.311	75.531	1.00	0.00	H
ATOM	670	H4'	C B	3	12.221	-11.026	74.587	1.00	0.00	H
ATOM	671	H41	C B	3	15.552	-18.607	76.912	1.00	0.00	H
ATOM	672	H42	C B	3	14.139	-18.882	77.968	1.00	0.00	H
ATOM	673	H2'1	C B	3	15.249	-12.370	76.574	1.00	0.00	H
ATOM	674	H2'2	C B	3	14.519	-11.537	77.939	1.00	0.00	H
ATOM	675	H5'1	C B	3	13.251	-13.088	73.397	1.00	0.00	H
ATOM	676	H5'2	C B	3	13.859	-11.457	73.046	1.00	0.00	H
ATOM	677	C1'	C B	4	11.828	-12.480	81.696	1.00	0.00	C
ATOM	678	N1	C B	4	12.911	-13.423	81.309	1.00	0.00	N
ATOM	679	C2	C B	4	12.823	-14.739	81.758	1.00	0.00	C
ATOM	680	O2	C B	4	11.854	-15.068	82.456	1.00	0.00	O
ATOM	681	N3	C B	4	13.799	-15.614	81.419	1.00	0.00	N
ATOM	682	C4	C B	4	14.836	-15.229	80.661	1.00	0.00	C
ATOM	683	N4	C B	4	15.762	-16.126	80.355	1.00	0.00	N
ATOM	684	C5	C B	4	14.956	-13.880	80.189	1.00	0.00	C
ATOM	685	C6	C B	4	13.958	-13.018	80.540	1.00	0.00	C
ATOM	686	C2'	C B	4	12.320	-11.072	82.003	1.00	0.00	C
ATOM	687	C3'	C B	4	11.181	-10.215	81.474	1.00	0.00	C
ATOM	688	O3'	C B	4	10.168	-10.112	82.472	1.00	0.00	O
ATOM	689	C4'	C B	4	10.708	-10.997	80.250	1.00	0.00	C
ATOM	690	O4'	C B	4	10.920	-12.400	80.613	1.00	0.00	O
ATOM	691	C5'	C B	4	11.432	-10.719	78.953	1.00	0.00	C
ATOM	692	O5'	C B	4	12.838	-10.486	79.218	1.00	0.00	O
ATOM	693	O1P	C B	4	13.156	-8.069	78.592	1.00	0.00	O
ATOM	694	O2P	C B	4	15.086	-9.667	78.449	1.00	0.00	O
ATOM	695	P	C B	4	13.626	-9.440	78.310	1.00	0.00	P
ATOM	696	H5	C B	4	15.802	-13.560	79.579	1.00	0.00	H
ATOM	697	H6	C B	4	14.001	-11.983	80.198	1.00	0.00	H
ATOM	698	H1'	C B	4	11.295	-12.902	82.548	1.00	0.00	H
ATOM	699	H3'	C B	4	11.517	-9.216	81.195	1.00	0.00	H
ATOM	700	H4'	C B	4	9.656	-10.750	80.103	1.00	0.00	H

ATOM	701	H41	C B	4	16.568	-15.857	79.772	1.00	0.00	H
ATOM	702	H42	C B	4	15.675	-17.095	80.698	1.00	0.00	H
ATOM	703	H2'1	C B	4	13.257	-10.842	81.498	1.00	0.00	H
ATOM	704	H2'2	C B	4	12.475	-10.912	83.071	1.00	0.00	H
ATOM	705	H5'1	C B	4	11.319	-11.575	78.289	1.00	0.00	H
ATOM	706	H5'2	C B	4	10.995	-9.839	78.483	1.00	0.00	H
ATOM	707	C1'	G B	5	11.284	-14.090	86.347	1.00	0.00	C
ATOM	708	N1	G B	5	15.124	-17.215	85.112	1.00	0.00	N
ATOM	709	C2	G B	5	13.964	-17.471	85.822	1.00	0.00	C
ATOM	710	N2	G B	5	13.806	-18.725	86.262	1.00	0.00	N
ATOM	711	N3	G B	5	13.034	-16.548	86.071	1.00	0.00	N
ATOM	712	C4	G B	5	13.362	-15.334	85.556	1.00	0.00	C
ATOM	713	C5	G B	5	14.495	-14.986	84.842	1.00	0.00	C
ATOM	714	C6	G B	5	15.480	-15.964	84.573	1.00	0.00	C
ATOM	715	O6	G B	5	16.542	-15.849	83.962	1.00	0.00	O
ATOM	716	N7	G B	5	14.450	-13.634	84.495	1.00	0.00	N
ATOM	717	C8	G B	5	13.317	-13.215	84.995	1.00	0.00	C
ATOM	718	N9	G B	5	12.599	-14.191	85.657	1.00	0.00	N
ATOM	719	C2'	G B	5	11.081	-12.777	87.091	1.00	0.00	C
ATOM	720	C3'	G B	5	9.596	-12.523	86.888	1.00	0.00	C
ATOM	721	O3'	G B	5	8.860	-13.235	87.880	1.00	0.00	O
ATOM	722	C4'	G B	5	9.347	-13.068	85.482	1.00	0.00	C
ATOM	723	O4'	G B	5	10.272	-14.196	85.366	1.00	0.00	O
ATOM	724	C5'	G B	5	9.599	-12.115	84.339	1.00	0.00	C
ATOM	725	O5'	G B	5	10.738	-11.273	84.644	1.00	0.00	O
ATOM	726	O1P	G B	5	9.731	-8.975	84.838	1.00	0.00	O
ATOM	727	O2P	G B	5	12.130	-9.240	84.152	1.00	0.00	O
ATOM	728	P	G B	5	10.745	-9.768	84.116	1.00	0.00	P
ATOM	729	H1	G B	5	15.776	-18.001	84.968	1.00	0.00	H
ATOM	730	H8	G B	5	12.969	-12.187	84.901	1.00	0.00	H
ATOM	731	H1'	G B	5	11.186	-14.940	87.022	1.00	0.00	H
ATOM	732	H21	G B	5	14.526	-19.433	86.063	1.00	0.00	H
ATOM	733	H3'	G B	5	9.351	-11.462	86.947	1.00	0.00	H
ATOM	734	H22	G B	5	12.965	-18.980	86.800	1.00	0.00	H
ATOM	735	H4'	G B	5	8.301	-13.371	85.441	1.00	0.00	H
ATOM	736	H2'1	G B	5	11.682	-11.969	86.675	1.00	0.00	H
ATOM	737	H2'2	G B	5	11.329	-12.858	88.149	1.00	0.00	H
ATOM	738	H5'1	G B	5	9.795	-12.688	83.433	1.00	0.00	H
ATOM	739	H5'2	G B	5	8.714	-11.496	84.187	1.00	0.00	H
ATOM	740	C1'	T B	6	12.397	-16.951	90.231	1.00	0.00	C
ATOM	741	N1	T B	6	13.467	-16.195	89.527	1.00	0.00	N
ATOM	742	C2	T B	6	14.582	-16.906	89.127	1.00	0.00	C
ATOM	743	O2	T B	6	14.711	-18.100	89.331	1.00	0.00	O
ATOM	744	N3	T B	6	15.550	-16.164	88.476	1.00	0.00	N
ATOM	745	C4	T B	6	15.506	-14.814	88.199	1.00	0.00	C
ATOM	746	O4	T B	6	16.439	-14.258	87.611	1.00	0.00	O
ATOM	747	C5	T B	6	14.303	-14.159	88.654	1.00	0.00	C
ATOM	748	C6	T B	6	13.337	-14.849	89.291	1.00	0.00	C
ATOM	749	C7	T B	6	14.210	-12.688	88.371	1.00	0.00	C
ATOM	750	C2'	T B	6	11.736	-16.168	91.359	1.00	0.00	C
ATOM	751	C3'	T B	6	10.293	-16.643	91.268	1.00	0.00	C
ATOM	752	O3'	T B	6	10.154	-17.863	91.993	1.00	0.00	O
ATOM	753	C4'	T B	6	10.091	-16.835	89.767	1.00	0.00	C
ATOM	754	O4'	T B	6	11.400	-17.273	89.282	1.00	0.00	O

ATOM	755	C5'	T B	6	9.670	-15.614	88.983	1.00	0.00	C
ATOM	756	O5'	T B	6	10.320	-14.436	89.526	1.00	0.00	O
ATOM	757	O1P	T B	6	8.406	-13.095	90.460	1.00	0.00	O
ATOM	758	O2P	T B	6	10.494	-11.935	89.689	1.00	0.00	O
ATOM	759	P	T B	6	9.533	-13.049	89.506	1.00	0.00	P
ATOM	760	H3	T B	6	16.392	-16.673	88.164	1.00	0.00	H
ATOM	761	H6	T B	6	12.437	-14.331	89.625	1.00	0.00	H
ATOM	762	H1'	T B	6	12.823	-17.883	90.601	1.00	0.00	H
ATOM	763	H3'	T B	6	9.596	-15.906	91.667	1.00	0.00	H
ATOM	764	H4'	T B	6	9.316	-17.592	89.646	1.00	0.00	H
ATOM	765	H71	T B	6	14.217	-12.136	89.311	1.00	0.00	H
ATOM	766	H72	T B	6	15.060	-12.381	87.762	1.00	0.00	H
ATOM	767	H73	T B	6	13.284	-12.479	87.834	1.00	0.00	H
ATOM	768	H2'1	T B	6	11.810	-15.092	91.214	1.00	0.00	H
ATOM	769	H2'2	T B	6	12.168	-16.400	92.332	1.00	0.00	H
ATOM	770	H5'1	T B	6	9.952	-15.744	87.939	1.00	0.00	H
ATOM	771	H5'2	T B	6	8.589	-15.502	89.051	1.00	0.00	H
ATOM	772	C1'	C B	7	15.459	-19.781	92.928	1.00	0.00	C
ATOM	773	N1	C B	7	15.871	-18.413	92.502	1.00	0.00	N
ATOM	774	C2	C B	7	17.104	-18.272	91.868	1.00	0.00	C
ATOM	775	O2	C B	7	17.801	-19.279	91.684	1.00	0.00	O
ATOM	776	N3	C B	7	17.498	-17.037	91.472	1.00	0.00	N
ATOM	777	C4	C B	7	16.722	-15.966	91.686	1.00	0.00	C
ATOM	778	N4	C B	7	17.155	-14.783	91.276	1.00	0.00	N
ATOM	779	C5	C B	7	15.452	-16.081	92.340	1.00	0.00	C
ATOM	780	C6	C B	7	15.074	-17.336	92.726	1.00	0.00	C
ATOM	781	C2'	C B	7	14.724	-19.812	94.260	1.00	0.00	C
ATOM	782	C3'	C B	7	13.710	-20.922	94.035	1.00	0.00	C
ATOM	783	O3'	C B	7	14.323	-22.179	94.308	1.00	0.00	O
ATOM	784	C4'	C B	7	13.353	-20.763	92.559	1.00	0.00	C
ATOM	785	O4'	C B	7	14.591	-20.296	91.936	1.00	0.00	O
ATOM	786	C5'	C B	7	12.250	-19.780	92.237	1.00	0.00	C
ATOM	787	O5'	C B	7	12.329	-18.645	93.134	1.00	0.00	O
ATOM	788	O1P	C B	7	10.216	-18.824	94.489	1.00	0.00	O
ATOM	789	O2P	C B	7	11.285	-16.585	94.125	1.00	0.00	O
ATOM	790	P	C B	7	10.976	-17.933	93.592	1.00	0.00	P
ATOM	791	H5	C B	7	14.821	-15.211	92.523	1.00	0.00	H
ATOM	792	H6	C B	7	14.112	-17.475	93.220	1.00	0.00	H
ATOM	793	H1'	C B	7	16.348	-20.411	92.957	1.00	0.00	H
ATOM	794	H3'	C B	7	12.828	-20.805	94.668	1.00	0.00	H
ATOM	795	H4'	C B	7	13.038	-21.743	92.201	1.00	0.00	H
ATOM	796	H41	C B	7	16.576	-13.944	91.425	1.00	0.00	H
ATOM	797	H42	C B	7	18.070	-14.703	90.807	1.00	0.00	H
ATOM	798	H2'1	C B	7	14.233	-18.866	94.485	1.00	0.00	H
ATOM	799	H2'2	C B	7	15.388	-20.043	95.094	1.00	0.00	H
ATOM	800	H5'1	C B	7	12.360	-19.444	91.206	1.00	0.00	H
ATOM	801	H5'2	C B	7	11.286	-20.274	92.352	1.00	0.00	H
ATOM	802	C1'	C B	8	19.909	-21.265	94.519	1.00	0.00	C
ATOM	803	N1	C B	8	19.532	-19.825	94.560	1.00	0.00	N
ATOM	804	C2	C B	8	20.409	-18.904	93.990	1.00	0.00	C
ATOM	805	O2	C B	8	21.457	-19.318	93.478	1.00	0.00	O
ATOM	806	N3	C B	8	20.085	-17.589	94.016	1.00	0.00	N
ATOM	807	C4	C B	8	18.943	-17.173	94.578	1.00	0.00	C
ATOM	808	N4	C B	8	18.674	-15.875	94.572	1.00	0.00	N

ATOM	809	C5	C B	8	18.022	-18.095	95.177	1.00	0.00	C
ATOM	810	C6	C B	8	18.368	-19.417	95.134	1.00	0.00	C
ATOM	811	C2'	C B	8	19.529	-22.034	95.778	1.00	0.00	C
ATOM	812	C3'	C B	8	19.149	-23.395	95.215	1.00	0.00	C
ATOM	813	O3'	C B	8	20.328	-24.180	95.053	1.00	0.00	O
ATOM	814	C4'	C B	8	18.503	-23.041	93.877	1.00	0.00	C
ATOM	815	O4'	C B	8	19.232	-21.856	93.425	1.00	0.00	O
ATOM	816	C5'	C B	8	17.028	-22.718	93.909	1.00	0.00	C
ATOM	817	O5'	C B	8	16.710	-21.998	95.128	1.00	0.00	O
ATOM	818	O1P	C B	8	15.222	-23.599	96.377	1.00	0.00	O
ATOM	819	O2P	C B	8	15.003	-21.128	96.753	1.00	0.00	O
ATOM	820	P	C B	8	15.290	-22.237	95.811	1.00	0.00	P
ATOM	821	H5	C B	8	17.096	-17.761	95.643	1.00	0.00	H
ATOM	822	H6	C B	8	17.697	-20.158	95.570	1.00	0.00	H
ATOM	823	H1'	C B	8	20.979	-21.332	94.329	1.00	0.00	H
ATOM	824	H3'	C B	8	18.450	-23.923	95.862	1.00	0.00	H
ATOM	825	H4'	C B	8	18.639	-23.902	93.222	1.00	0.00	H
ATOM	826	H41	C B	8	17.801	-15.528	94.996	1.00	0.00	H
ATOM	827	H42	C B	8	19.338	-15.213	94.144	1.00	0.00	H
ATOM	828	H2'1	C B	8	18.694	-21.577	96.306	1.00	0.00	H
ATOM	829	H2'2	C B	8	20.360	-22.111	96.480	1.00	0.00	H
ATOM	830	H5'1	C B	8	16.776	-22.103	93.044	1.00	0.00	H
ATOM	831	H5'2	C B	8	16.457	-23.644	93.869	1.00	0.00	H
ATOM	832	C1'	T B	9	24.725	-20.659	95.481	1.00	0.00	C
ATOM	833	N1	T B	9	23.732	-19.675	95.987	1.00	0.00	N
ATOM	834	C2	T B	9	23.975	-18.341	95.723	1.00	0.00	C
ATOM	835	O2	T B	9	24.953	-17.961	95.105	1.00	0.00	O
ATOM	836	N3	T B	9	23.026	-17.461	96.209	1.00	0.00	N
ATOM	837	C4	T B	9	21.892	-17.788	96.920	1.00	0.00	C
ATOM	838	O4	T B	9	21.114	-16.908	97.309	1.00	0.00	O
ATOM	839	C5	T B	9	21.722	-19.205	97.146	1.00	0.00	C
ATOM	840	C6	T B	9	22.626	-20.091	96.685	1.00	0.00	C
ATOM	841	C7	T B	9	20.498	-19.604	97.914	1.00	0.00	C
ATOM	842	C2'	T B	9	24.974	-21.825	96.431	1.00	0.00	C
ATOM	843	C3'	T B	9	25.187	-22.980	95.466	1.00	0.00	C
ATOM	844	O3'	T B	9	26.549	-22.994	95.046	1.00	0.00	O
ATOM	845	C4'	T B	9	24.231	-22.649	94.323	1.00	0.00	C
ATOM	846	O4'	T B	9	24.231	-21.187	94.265	1.00	0.00	O
ATOM	847	C5'	T B	9	22.806	-23.128	94.478	1.00	0.00	C
ATOM	848	O5'	T B	9	22.404	-23.026	95.867	1.00	0.00	O
ATOM	849	O1P	T B	9	22.082	-25.424	96.558	1.00	0.00	O
ATOM	850	O2P	T B	9	20.797	-23.602	97.710	1.00	0.00	O
ATOM	851	P	T B	9	21.402	-24.116	96.458	1.00	0.00	P
ATOM	852	H3	T B	9	23.184	-16.462	96.022	1.00	0.00	H
ATOM	853	H6	T B	9	22.477	-21.154	96.869	1.00	0.00	H
ATOM	854	H1'	T B	9	25.653	-20.129	95.262	1.00	0.00	H
ATOM	855	H3'	T B	9	24.939	-23.940	95.920	1.00	0.00	H
ATOM	856	H4'	T B	9	24.642	-23.111	93.423	1.00	0.00	H
ATOM	857	H71	T B	9	20.793	-20.038	98.869	1.00	0.00	H
ATOM	858	H72	T B	9	19.875	-18.727	98.090	1.00	0.00	H
ATOM	859	H73	T B	9	19.933	-20.341	97.339	1.00	0.00	H
ATOM	860	H2'1	T B	9	24.127	-22.008	97.090	1.00	0.00	H
ATOM	861	H2'2	T B	9	25.850	-21.665	97.060	1.00	0.00	H
ATOM	862	H5'1	T B	9	22.153	-22.514	93.858	1.00	0.00	H

ATOM	863	H5'2	T B	9	22.741	-24.164	94.151	1.00	0.00	H
ATOM	864	C1'	A B	10	28.747	-17.943	96.519	1.00	0.00	C
ATOM	865	N1	A B	10	25.329	-14.642	98.458	1.00	0.00	N
ATOM	866	C2	A B	10	26.418	-14.475	97.713	1.00	0.00	C
ATOM	867	N3	A B	10	27.256	-15.374	97.244	1.00	0.00	N
ATOM	868	C4	A B	10	26.880	-16.607	97.626	1.00	0.00	C
ATOM	869	C5	A B	10	25.796	-16.948	98.387	1.00	0.00	C
ATOM	870	C6	A B	10	24.978	-15.885	98.823	1.00	0.00	C
ATOM	871	N6	A B	10	23.879	-16.068	99.577	1.00	0.00	N
ATOM	872	N7	A B	10	25.729	-18.317	98.576	1.00	0.00	N
ATOM	873	C8	A B	10	26.765	-18.771	97.936	1.00	0.00	C
ATOM	874	N9	A B	10	27.510	-17.791	97.332	1.00	0.00	N
ATOM	875	C2'	A B	10	29.687	-19.026	97.031	1.00	0.00	C
ATOM	876	C3'	A B	10	30.255	-19.591	95.738	1.00	0.00	C
ATOM	877	O3'	A B	10	31.357	-18.786	95.321	1.00	0.00	O
ATOM	878	C4'	A B	10	29.072	-19.492	94.776	1.00	0.00	C
ATOM	879	O4'	A B	10	28.359	-18.287	95.203	1.00	0.00	O
ATOM	880	C5'	A B	10	28.107	-20.653	94.778	1.00	0.00	C
ATOM	881	O5'	A B	10	27.955	-21.162	96.128	1.00	0.00	O
ATOM	882	O1P	A B	10	28.953	-23.470	95.993	1.00	0.00	O
ATOM	883	O2P	A B	10	27.178	-22.967	97.694	1.00	0.00	O
ATOM	884	P	A B	10	27.725	-22.727	96.336	1.00	0.00	P
ATOM	885	H2	A B	10	26.650	-13.442	97.454	1.00	0.00	H
ATOM	886	H8	A B	10	27.018	-19.830	97.884	1.00	0.00	H
ATOM	887	H1'	A B	10	29.250	-16.977	96.480	1.00	0.00	H
ATOM	888	H3'	A B	10	30.583	-20.623	95.852	1.00	0.00	H
ATOM	889	H4'	A B	10	29.488	-19.406	93.771	1.00	0.00	H
ATOM	890	H61	A B	10	23.315	-15.257	99.867	1.00	0.00	H
ATOM	891	H62	A B	10	23.604	-17.018	99.863	1.00	0.00	H
ATOM	892	H2'1	A B	10	29.163	-19.794	97.601	1.00	0.00	H
ATOM	893	H2'2	A B	10	30.475	-18.624	97.667	1.00	0.00	H
ATOM	894	H5'1	A B	10	27.141	-20.316	94.402	1.00	0.00	H
ATOM	895	H5'2	A B	10	28.489	-21.439	94.129	1.00	0.00	H
ATOM	896	C1'	G B	11	31.066	-13.953	98.350	1.00	0.00	C
ATOM	897	N1	G B	11	26.916	-13.576	101.295	1.00	0.00	N
ATOM	898	C2	G B	11	27.625	-12.591	100.628	1.00	0.00	C
ATOM	899	N2	G B	11	27.168	-11.341	100.766	1.00	0.00	N
ATOM	900	N3	G B	11	28.702	-12.837	99.883	1.00	0.00	N
ATOM	901	C4	G B	11	29.025	-14.156	99.861	1.00	0.00	C
ATOM	902	C5	G B	11	28.382	-15.205	100.497	1.00	0.00	C
ATOM	903	C6	G B	11	27.237	-14.948	101.285	1.00	0.00	C
ATOM	904	O6	G B	11	26.537	-15.737	101.919	1.00	0.00	O
ATOM	905	N7	G B	11	29.033	-16.409	100.220	1.00	0.00	N
ATOM	906	C8	G B	11	30.026	-16.061	99.443	1.00	0.00	C
ATOM	907	N9	G B	11	30.089	-14.708	99.180	1.00	0.00	N
ATOM	908	C2'	G B	11	32.493	-14.473	98.457	1.00	0.00	C
ATOM	909	C3'	G B	11	33.013	-14.267	97.044	1.00	0.00	C
ATOM	910	O3'	G B	11	33.479	-12.927	96.908	1.00	0.00	O
ATOM	911	C4'	G B	11	31.780	-14.539	96.184	1.00	0.00	C
ATOM	912	O4'	G B	11	30.661	-14.064	96.999	1.00	0.00	O
ATOM	913	C5'	G B	11	31.527	-15.980	95.810	1.00	0.00	C
ATOM	914	O5'	G B	11	31.900	-16.846	96.911	1.00	0.00	O
ATOM	915	O1P	G B	11	33.856	-18.140	95.999	1.00	0.00	O
ATOM	916	O2P	G B	11	32.414	-19.142	97.790	1.00	0.00	O

ATOM	917	P	G B	11	32.510	-18.283	96.586	1.00	0.00	P
ATOM	918	H1	G B	11	26.092	-13.283	101.839	1.00	0.00	H
ATOM	919	H8	G B	11	30.741	-16.777	99.040	1.00	0.00	H
ATOM	920	H1'	G B	11	31.011	-12.900	98.630	1.00	0.00	H
ATOM	921	H21	G B	11	26.333	-11.160	101.341	1.00	0.00	H
ATOM	922	H3'	G B	11	33.821	-14.956	96.801	1.00	0.00	H
ATOM	923	H22	G B	11	27.652	-10.562	100.299	1.00	0.00	H
ATOM	924	H4'	G B	11	31.905	-13.972	95.262	1.00	0.00	H
ATOM	925	H2'1	G B	11	32.529	-15.524	98.744	1.00	0.00	H
ATOM	926	H2'2	G B	11	33.082	-13.914	99.183	1.00	0.00	H
ATOM	927	H5'1	G B	11	30.470	-16.110	95.581	1.00	0.00	H
ATOM	928	H5'2	G B	11	32.119	-16.228	94.929	1.00	0.00	H
ATOM	929	C1'	G B	12	31.489	-10.030	101.343	1.00	0.00	C
ATOM	930	N1	G B	12	28.269	-12.655	104.304	1.00	0.00	N
ATOM	931	C2	G B	12	28.288	-11.308	103.986	1.00	0.00	C
ATOM	932	N2	G B	12	27.319	-10.561	104.533	1.00	0.00	N
ATOM	933	N3	G B	12	29.196	-10.753	103.189	1.00	0.00	N
ATOM	934	C4	G B	12	30.104	-11.655	102.733	1.00	0.00	C
ATOM	935	C5	G B	12	30.167	-13.012	102.996	1.00	0.00	C
ATOM	936	C6	G B	12	29.201	-13.604	103.840	1.00	0.00	C
ATOM	937	O6	G B	12	29.091	-14.779	104.191	1.00	0.00	O
ATOM	938	N7	G B	12	31.255	-13.584	102.333	1.00	0.00	N
ATOM	939	C8	G B	12	31.802	-12.579	101.699	1.00	0.00	C
ATOM	940	N9	G B	12	31.161	-11.373	101.893	1.00	0.00	N
ATOM	941	C2'	G B	12	32.984	-9.753	101.255	1.00	0.00	C
ATOM	942	C3'	G B	12	33.081	-8.930	99.980	1.00	0.00	C
ATOM	943	O3'	G B	12	32.814	-7.562	100.285	1.00	0.00	O
ATOM	944	C4'	G B	12	31.998	-9.546	99.096	1.00	0.00	C
ATOM	945	O4'	G B	12	30.955	-9.956	100.036	1.00	0.00	O
ATOM	946	C5'	G B	12	32.405	-10.745	98.273	1.00	0.00	C
ATOM	947	O5'	G B	12	33.337	-11.562	99.025	1.00	0.00	O
ATOM	948	O1P	G B	12	35.476	-11.364	97.713	1.00	0.00	O
ATOM	949	O2P	G B	12	35.037	-13.411	99.096	1.00	0.00	O
ATOM	950	P	G B	12	34.492	-12.331	98.238	1.00	0.00	P
ATOM	951	H1	G B	12	27.517	-12.988	104.926	1.00	0.00	H
ATOM	952	H8	G B	12	32.688	-12.683	101.072	1.00	0.00	H
ATOM	953	H1'	G B	12	30.988	-9.279	101.954	1.00	0.00	H
ATOM	954	H21	G B	12	26.617	-11.000	105.147	1.00	0.00	H
ATOM	955	H3'	G B	12	34.062	-9.011	99.514	1.00	0.00	H
ATOM	956	H22	G B	12	27.279	-9.551	104.339	1.00	0.00	H
ATOM	957	H4'	G B	12	31.668	-8.767	98.408	1.00	0.00	H
ATOM	958	H2'1	G B	12	33.570	-10.669	101.181	1.00	0.00	H
ATOM	959	H2'2	G B	12	33.353	-9.196	102.116	1.00	0.00	H
ATOM	960	H5'1	G B	12	31.519	-11.329	98.027	1.00	0.00	H
ATOM	961	H5'2	G B	12	32.877	-10.403	97.351	1.00	0.00	H
ATOM	962	C1'	T B	13	30.517	-7.424	105.437	1.00	0.00	C
ATOM	963	N1	T B	13	30.952	-8.842	105.539	1.00	0.00	N
ATOM	964	C2	T B	13	30.180	-9.687	106.313	1.00	0.00	C
ATOM	965	O2	T B	13	29.180	-9.311	106.900	1.00	0.00	O
ATOM	966	N3	T B	13	30.621	-10.995	106.379	1.00	0.00	N
ATOM	967	C4	T B	13	31.736	-11.519	105.760	1.00	0.00	C
ATOM	968	O4	T B	13	32.035	-12.711	105.895	1.00	0.00	O
ATOM	969	C5	T B	13	32.480	-10.562	104.972	1.00	0.00	C
ATOM	970	C6	T B	13	32.079	-9.279	104.884	1.00	0.00	C

ATOM	971	C7	T B	13	33.699	-11.089	104.277	1.00	0.00	C
ATOM	972	C2'	T B	13	31.668	-6.428	105.421	1.00	0.00	C
ATOM	973	C3'	T B	13	31.149	-5.359	104.471	1.00	0.00	C
ATOM	974	O3'	T B	13	30.330	-4.446	105.197	1.00	0.00	O
ATOM	975	C4'	T B	13	30.350	-6.169	103.452	1.00	0.00	C
ATOM	976	O4'	T B	13	29.797	-7.280	104.229	1.00	0.00	O
ATOM	977	C5'	T B	13	31.126	-6.735	102.285	1.00	0.00	C
ATOM	978	O5'	T B	13	32.445	-7.146	102.728	1.00	0.00	O
ATOM	979	O1P	T B	13	33.984	-5.566	101.517	1.00	0.00	O
ATOM	980	O2P	T B	13	34.798	-7.843	102.187	1.00	0.00	O
ATOM	981	P	T B	13	33.673	-6.995	101.723	1.00	0.00	P
ATOM	982	H3	T B	13	30.059	-11.645	106.947	1.00	0.00	H
ATOM	983	H6	T B	13	32.655	-8.575	104.285	1.00	0.00	H
ATOM	984	H1'	T B	13	29.833	-7.217	106.261	1.00	0.00	H
ATOM	985	H3'	T B	13	31.960	-4.812	103.990	1.00	0.00	H
ATOM	986	H4'	T B	13	29.585	-5.506	103.051	1.00	0.00	H
ATOM	987	H71	T B	13	34.589	-10.619	104.697	1.00	0.00	H
ATOM	988	H72	T B	13	33.760	-12.170	104.417	1.00	0.00	H
ATOM	989	H73	T B	13	33.638	-10.863	103.211	1.00	0.00	H
ATOM	990	H2'1	T B	13	32.593	-6.870	105.053	1.00	0.00	H
ATOM	991	H2'2	T B	13	31.873	-6.014	106.408	1.00	0.00	H
ATOM	992	H5'1	T B	13	30.590	-7.592	101.879	1.00	0.00	H
ATOM	993	H5'2	T B	13	31.220	-5.972	101.514	1.00	0.00	H
ATOM	994	C1'	G B	14	29.153	-6.969	110.190	1.00	0.00	C
ATOM	995	N1	G B	14	30.870	-11.759	110.567	1.00	0.00	N
ATOM	996	C2	G B	14	29.733	-11.178	111.102	1.00	0.00	C
ATOM	997	N2	G B	14	28.950	-11.979	111.833	1.00	0.00	N
ATOM	998	N3	G B	14	29.403	-9.900	110.917	1.00	0.00	N
ATOM	999	C4	G B	14	30.312	-9.237	110.155	1.00	0.00	C
ATOM	1000	C5	G B	14	31.473	-9.731	109.586	1.00	0.00	C
ATOM	1001	C6	G B	14	31.823	-11.087	109.777	1.00	0.00	C
ATOM	1002	O6	G B	14	32.804	-11.704	109.357	1.00	0.00	O
ATOM	1003	N7	G B	14	32.132	-8.723	108.878	1.00	0.00	N
ATOM	1004	C8	G B	14	31.364	-7.674	109.035	1.00	0.00	C
ATOM	1005	N9	G B	14	30.240	-7.908	109.800	1.00	0.00	N
ATOM	1006	C2'	G B	14	29.640	-5.558	110.495	1.00	0.00	C
ATOM	1007	C3'	G B	14	28.497	-4.706	109.968	1.00	0.00	C
ATOM	1008	O3'	G B	14	27.487	-4.608	110.970	1.00	0.00	O
ATOM	1009	C4'	G B	14	28.024	-5.492	108.747	1.00	0.00	C
ATOM	1010	O4'	G B	14	28.243	-6.892	109.111	1.00	0.00	O
ATOM	1011	C5'	G B	14	28.742	-5.211	107.449	1.00	0.00	C
ATOM	1012	O5'	G B	14	30.148	-4.973	107.708	1.00	0.00	O
ATOM	1013	O1P	G B	14	30.456	-2.555	107.081	1.00	0.00	O
ATOM	1014	O2P	G B	14	32.390	-4.145	106.932	1.00	0.00	O
ATOM	1015	P	G B	14	30.931	-3.923	106.796	1.00	0.00	P
ATOM	1016	H1	G B	14	31.030	-12.758	110.764	1.00	0.00	H
ATOM	1017	H8	G B	14	31.594	-6.701	108.600	1.00	0.00	H
ATOM	1018	H1'	G B	14	28.625	-7.394	111.045	1.00	0.00	H
ATOM	1019	H21	G B	14	29.211	-12.968	111.969	1.00	0.00	H
ATOM	1020	H3'	G B	14	28.828	-3.707	109.689	1.00	0.00	H
ATOM	1021	H22	G B	14	28.091	-11.607	112.262	1.00	0.00	H
ATOM	1022	H4'	G B	14	26.970	-5.249	108.603	1.00	0.00	H
ATOM	1023	H2'1	G B	14	30.576	-5.326	109.988	1.00	0.00	H
ATOM	1024	H2'2	G B	14	29.797	-5.397	111.561	1.00	0.00	H

ATOM	1025	H5'1	G B	14	28.630	-6.067	106.785	1.00	0.00	H
ATOM	1026	H5'2	G B	14	28.301	-4.333	106.978	1.00	0.00	H
ATOM	1027	C1'	C B	15	28.608	-8.580	114.841	1.00	0.00	C
ATOM	1028	N1	C B	15	29.923	-8.687	114.153	1.00	0.00	N
ATOM	1029	C2	C B	15	30.558	-9.927	114.148	1.00	0.00	C
ATOM	1030	O2	C B	15	30.008	-10.881	114.713	1.00	0.00	O
ATOM	1031	N3	C B	15	31.757	-10.045	113.525	1.00	0.00	N
ATOM	1032	C4	C B	15	32.327	-8.994	112.924	1.00	0.00	C
ATOM	1033	N4	C B	15	33.498	-9.167	112.328	1.00	0.00	N
ATOM	1034	C5	C B	15	31.698	-7.704	112.917	1.00	0.00	C
ATOM	1035	C6	C B	15	30.492	-7.610	113.546	1.00	0.00	C
ATOM	1036	C2'	C B	15	28.411	-7.267	115.587	1.00	0.00	C
ATOM	1037	C3'	C B	15	26.927	-7.006	115.382	1.00	0.00	C
ATOM	1038	O3'	C B	15	26.185	-7.714	116.373	1.00	0.00	O
ATOM	1039	C4'	C B	15	26.677	-7.548	113.977	1.00	0.00	C
ATOM	1040	O4'	C B	15	27.596	-8.679	113.857	1.00	0.00	O
ATOM	1041	C5'	C B	15	26.934	-6.594	112.833	1.00	0.00	C
ATOM	1042	O5'	C B	15	28.078	-5.759	113.141	1.00	0.00	O
ATOM	1043	O1P	C B	15	27.081	-3.455	113.337	1.00	0.00	O
ATOM	1044	O2P	C B	15	29.479	-3.729	112.652	1.00	0.00	O
ATOM	1045	P	C B	15	28.093	-4.253	112.614	1.00	0.00	P
ATOM	1046	H5	C B	15	32.163	-6.844	112.434	1.00	0.00	H
ATOM	1047	H6	C B	15	29.971	-6.651	113.562	1.00	0.00	H
ATOM	1048	H1'	C B	15	28.507	-9.431	115.515	1.00	0.00	H
ATOM	1049	H3'	C B	15	26.688	-5.944	115.442	1.00	0.00	H
ATOM	1050	H4'	C B	15	25.628	-7.844	113.933	1.00	0.00	H
ATOM	1051	H41	C B	15	33.957	-8.375	111.855	1.00	0.00	H
ATOM	1052	H42	C B	15	33.949	-10.094	112.337	1.00	0.00	H
ATOM	1053	H2'1	C B	15	29.016	-6.461	115.173	1.00	0.00	H
ATOM	1054	H2'2	C B	15	28.658	-7.350	116.646	1.00	0.00	H
ATOM	1055	H5'1	C B	15	27.130	-7.167	111.926	1.00	0.00	H
ATOM	1056	H5'2	C B	15	26.053	-5.971	112.683	1.00	0.00	H
ATOM	1057	C1'	G B	16	29.744	-11.447	118.716	1.00	0.00	C
ATOM	1058	N1	G B	16	34.320	-11.687	116.475	1.00	0.00	N
ATOM	1059	C2	G B	16	33.572	-12.684	117.077	1.00	0.00	C
ATOM	1060	N2	G B	16	34.118	-13.907	117.084	1.00	0.00	N
ATOM	1061	N3	G B	16	32.376	-12.478	117.627	1.00	0.00	N
ATOM	1062	C4	G B	16	31.983	-11.180	117.533	1.00	0.00	C
ATOM	1063	C5	G B	16	32.663	-10.121	116.957	1.00	0.00	C
ATOM	1064	C6	G B	16	33.930	-10.339	116.370	1.00	0.00	C
ATOM	1065	O6	G B	16	34.678	-9.533	115.815	1.00	0.00	O
ATOM	1066	N7	G B	16	31.914	-8.947	117.072	1.00	0.00	N
ATOM	1067	C8	G B	16	30.829	-9.325	117.699	1.00	0.00	C
ATOM	1068	N9	G B	16	30.798	-10.668	118.014	1.00	0.00	N
ATOM	1069	C2'	G B	16	29.072	-10.687	119.851	1.00	0.00	C
ATOM	1070	C3'	G B	16	27.638	-11.184	119.763	1.00	0.00	C
ATOM	1071	O3'	G B	16	27.523	-12.412	120.477	1.00	0.00	O
ATOM	1072	C4'	G B	16	27.435	-11.368	118.260	1.00	0.00	C
ATOM	1073	O4'	G B	16	28.750	-11.781	117.767	1.00	0.00	O
ATOM	1074	C5'	G B	16	26.990	-10.149	117.488	1.00	0.00	C
ATOM	1075	O5'	G B	16	27.620	-8.965	118.036	1.00	0.00	O
ATOM	1076	O1P	G B	16	25.688	-7.662	118.986	1.00	0.00	O
ATOM	1077	O2P	G B	16	27.752	-6.462	118.219	1.00	0.00	O
ATOM	1078	P	G B	16	26.808	-7.591	118.031	1.00	0.00	P

ATOM	1079	H1	G B	16	35.231	-11.954	116.072	1.00	0.00	H
ATOM	1080	H8	G B	16	30.020	-8.639	117.949	1.00	0.00	H
ATOM	1081	H1'	G B	16	30.187	-12.376	119.076	1.00	0.00	H
ATOM	1082	H21	G B	16	35.041	-14.061	116.654	1.00	0.00	H
ATOM	1083	H3'	G B	16	26.929	-10.462	120.169	1.00	0.00	H
ATOM	1084	H22	G B	16	33.612	-14.692	117.518	1.00	0.00	H
ATOM	1085	H4'	G B	16	26.673	-12.138	118.135	1.00	0.00	H
ATOM	1086	H2'1	G B	16	29.127	-9.607	119.715	1.00	0.00	H
ATOM	1087	H2'2	G B	16	29.513	-10.917	120.821	1.00	0.00	H
ATOM	1088	H5'1	G B	16	27.272	-10.265	116.441	1.00	0.00	H
ATOM	1089	H5'2	G B	16	25.907	-10.057	117.560	1.00	0.00	H
ATOM	1090	C1'	G B	17	32.785	-14.268	121.422	1.00	0.00	C
ATOM	1091	N1	G B	17	36.432	-11.506	119.164	1.00	0.00	N
ATOM	1092	C2	G B	17	36.375	-12.866	119.417	1.00	0.00	C
ATOM	1093	N2	G B	17	37.431	-13.584	119.016	1.00	0.00	N
ATOM	1094	N3	G B	17	35.347	-13.460	120.019	1.00	0.00	N
ATOM	1095	C4	G B	17	34.371	-12.579	120.363	1.00	0.00	C
ATOM	1096	C5	G B	17	34.342	-11.211	120.156	1.00	0.00	C
ATOM	1097	C6	G B	17	35.431	-10.579	119.513	1.00	0.00	C
ATOM	1098	O6	G B	17	35.589	-9.389	119.243	1.00	0.00	O
ATOM	1099	N7	G B	17	33.157	-10.671	120.659	1.00	0.00	N
ATOM	1100	C8	G B	17	32.518	-11.705	121.142	1.00	0.00	C
ATOM	1101	N9	G B	17	33.192	-12.900	121.000	1.00	0.00	N
ATOM	1102	C2'	G B	17	32.045	-14.304	122.752	1.00	0.00	C
ATOM	1103	C3'	G B	17	31.036	-15.418	122.525	1.00	0.00	C
ATOM	1104	O3'	G B	17	31.654	-16.673	122.799	1.00	0.00	O
ATOM	1105	C4'	G B	17	30.682	-15.259	121.048	1.00	0.00	C
ATOM	1106	O4'	G B	17	31.921	-14.787	120.429	1.00	0.00	O
ATOM	1107	C5'	G B	17	29.577	-14.281	120.724	1.00	0.00	C
ATOM	1108	O5'	G B	17	29.648	-13.146	121.620	1.00	0.00	O
ATOM	1109	O1P	G B	17	27.533	-13.336	122.971	1.00	0.00	O
ATOM	1110	O2P	G B	17	28.594	-11.091	122.612	1.00	0.00	O
ATOM	1111	P	G B	17	28.292	-12.441	122.076	1.00	0.00	P
ATOM	1112	H1	G B	17	37.272	-11.146	118.687	1.00	0.00	H
ATOM	1113	H8	G B	17	31.539	-11.630	121.614	1.00	0.00	H
ATOM	1114	H1'	G B	17	33.675	-14.894	121.452	1.00	0.00	H
ATOM	1115	H21	G B	17	38.222	-13.119	118.547	1.00	0.00	H
ATOM	1116	H3'	G B	17	30.153	-15.305	123.155	1.00	0.00	H
ATOM	1117	H22	G B	17	37.451	-14.601	119.176	1.00	0.00	H
ATOM	1118	H4'	G B	17	30.373	-16.240	120.687	1.00	0.00	H
ATOM	1119	H2'1	G B	17	31.550	-13.359	122.976	1.00	0.00	H
ATOM	1120	H2'2	G B	17	32.707	-14.532	123.588	1.00	0.00	H
ATOM	1121	H5'1	G B	17	29.688	-13.945	119.692	1.00	0.00	H
ATOM	1122	H5'2	G B	17	28.614	-14.780	120.836	1.00	0.00	H
ATOM	1123	C1'	C B	18	37.234	-15.753	123.014	1.00	0.00	C
ATOM	1124	N1	C B	18	36.856	-14.313	123.054	1.00	0.00	N
ATOM	1125	C2	C B	18	37.734	-13.394	122.483	1.00	0.00	C
ATOM	1126	O2	C B	18	38.782	-13.807	121.971	1.00	0.00	O
ATOM	1127	N3	C B	18	37.409	-12.079	122.510	1.00	0.00	N
ATOM	1128	C4	C B	18	36.267	-11.664	123.073	1.00	0.00	C
ATOM	1129	N4	C B	18	35.999	-10.365	123.068	1.00	0.00	N
ATOM	1130	C5	C B	18	35.348	-12.587	123.668	1.00	0.00	C
ATOM	1131	C6	C B	18	35.694	-13.905	123.627	1.00	0.00	C
ATOM	1132	C2'	C B	18	36.854	-16.523	124.272	1.00	0.00	C

ATOM	1133	C3'	C B	18	36.474	-17.884	123.710	1.00	0.00	C
ATOM	1134	O3'	C B	18	37.653	-18.669	123.547	1.00	0.00	O
ATOM	1135	C4'	C B	18	35.828	-17.530	122.372	1.00	0.00	C
ATOM	1136	O4'	C B	18	36.557	-16.344	121.920	1.00	0.00	O
ATOM	1137	C5'	C B	18	34.353	-17.206	122.403	1.00	0.00	C
ATOM	1138	O5'	C B	18	34.035	-16.487	123.622	1.00	0.00	O
ATOM	1139	O1P	C B	18	32.546	-18.087	124.872	1.00	0.00	O
ATOM	1140	O2P	C B	18	32.328	-15.616	125.247	1.00	0.00	O
ATOM	1141	P	C B	18	32.615	-16.725	124.305	1.00	0.00	P
ATOM	1142	H5	C B	18	34.420	-12.253	124.130	1.00	0.00	H
ATOM	1143	H6	C B	18	35.024	-14.645	124.065	1.00	0.00	H
ATOM	1144	H1'	C B	18	38.304	-15.820	122.823	1.00	0.00	H
ATOM	1145	H3'	C B	18	35.775	-18.412	124.356	1.00	0.00	H
ATOM	1146	H4'	C B	18	35.964	-18.390	121.716	1.00	0.00	H
ATOM	1147	H41	C B	18	35.126	-10.019	123.493	1.00	0.00	H
ATOM	1148	H42	C B	18	36.661	-9.704	122.640	1.00	0.00	H
ATOM	1149	H2'1	C B	18	36.019	-16.065	124.800	1.00	0.00	H
ATOM	1150	H2'2	C B	18	37.684	-16.600	124.975	1.00	0.00	H
ATOM	1151	H5'1	C B	18	34.101	-16.592	121.538	1.00	0.00	H
ATOM	1152	H5'2	C B	18	33.782	-18.132	122.364	1.00	0.00	H
ATOM	1153	C1'	C B	19	42.051	-15.125	123.973	1.00	0.00	C
ATOM	1154	N1	C B	19	41.045	-14.157	124.486	1.00	0.00	N
ATOM	1155	C2	C B	19	41.255	-12.801	124.237	1.00	0.00	C
ATOM	1156	O2	C B	19	42.262	-12.461	123.603	1.00	0.00	O
ATOM	1157	N3	C B	19	40.350	-11.905	124.697	1.00	0.00	N
ATOM	1158	C4	C B	19	39.269	-12.306	125.380	1.00	0.00	C
ATOM	1159	N4	C B	19	38.418	-11.387	125.805	1.00	0.00	N
ATOM	1160	C5	C B	19	39.031	-13.691	125.650	1.00	0.00	C
ATOM	1161	C6	C B	19	39.953	-14.576	125.178	1.00	0.00	C
ATOM	1162	C2'	C B	19	42.318	-16.290	124.914	1.00	0.00	C
ATOM	1163	C3'	C B	19	42.544	-17.438	123.941	1.00	0.00	C
ATOM	1164	O3'	C B	19	43.905	-17.430	123.516	1.00	0.00	O
ATOM	1165	C4'	C B	19	41.581	-17.114	122.802	1.00	0.00	C
ATOM	1166	O4'	C B	19	41.559	-15.651	122.754	1.00	0.00	O
ATOM	1167	C5'	C B	19	40.163	-17.612	122.959	1.00	0.00	C
ATOM	1168	O5'	C B	19	39.763	-17.525	124.349	1.00	0.00	O
ATOM	1169	O1P	C B	19	39.477	-19.932	125.025	1.00	0.00	O
ATOM	1170	O2P	C B	19	38.169	-18.136	126.193	1.00	0.00	O
ATOM	1171	P	C B	19	38.779	-18.633	124.935	1.00	0.00	P
ATOM	1172	H5	C B	19	38.155	-14.022	126.208	1.00	0.00	H
ATOM	1173	H6	C B	19	39.812	-15.642	125.359	1.00	0.00	H
ATOM	1174	H1'	C B	19	42.969	-14.578	123.755	1.00	0.00	H
ATOM	1175	H3'	C B	19	42.311	-18.404	124.391	1.00	0.00	H
ATOM	1176	H4'	C B	19	41.994	-17.563	121.899	1.00	0.00	H
ATOM	1177	H41	C B	19	37.577	-11.667	126.332	1.00	0.00	H
ATOM	1178	H42	C B	19	38.593	-10.390	125.609	1.00	0.00	H
ATOM	1179	H2'1	C B	19	41.476	-16.490	125.574	1.00	0.00	H
ATOM	1180	H2'2	C B	19	43.195	-16.122	125.542	1.00	0.00	H
ATOM	1181	H5'1	C B	19	39.500	-17.004	122.345	1.00	0.00	H
ATOM	1182	H5'2	C B	19	40.111	-18.647	122.625	1.00	0.00	H
ATOM	1183	C1'	T B	20	46.072	-12.432	125.014	1.00	0.00	C
ATOM	1184	N1	T B	20	44.836	-12.279	125.828	1.00	0.00	N
ATOM	1185	C2	T B	20	44.358	-10.996	126.011	1.00	0.00	C
ATOM	1186	O2	T B	20	44.905	-10.014	125.539	1.00	0.00	O

ATOM	1187	N3	T B	20	43.210	-10.900	126.773	1.00	0.00	N
ATOM	1188	C4	T B	20	42.517	-11.941	127.350	1.00	0.00	C
ATOM	1189	O4	T B	20	41.495	-11.730	128.016	1.00	0.00	O
ATOM	1190	C5	T B	20	43.091	-13.242	127.104	1.00	0.00	C
ATOM	1191	C6	T B	20	44.210	-13.375	126.366	1.00	0.00	C
ATOM	1192	C7	T B	20	42.368	-14.405	127.714	1.00	0.00	C
ATOM	1193	C2'	T B	20	47.013	-13.515	125.528	1.00	0.00	C
ATOM	1194	C3'	T B	20	47.578	-14.082	124.234	1.00	0.00	C
ATOM	1195	O3'	T B	20	48.681	-13.282	123.814	1.00	0.00	O
ATOM	1196	C4'	T B	20	46.394	-13.987	123.274	1.00	0.00	C
ATOM	1197	O4'	T B	20	45.682	-12.781	123.700	1.00	0.00	O
ATOM	1198	C5'	T B	20	45.428	-15.147	123.283	1.00	0.00	C
ATOM	1199	O5'	T B	20	45.280	-15.653	124.635	1.00	0.00	O
ATOM	1200	O1P	T B	20	46.277	-17.960	124.506	1.00	0.00	O
ATOM	1201	O2P	T B	20	44.505	-17.451	126.209	1.00	0.00	O
ATOM	1202	P	T B	20	45.049	-17.216	124.849	1.00	0.00	P
ATOM	1203	H3	T B	20	42.833	-9.954	126.923	1.00	0.00	H
ATOM	1204	H6	T B	20	44.625	-14.368	126.193	1.00	0.00	H
ATOM	1205	H1'	T B	20	46.575	-11.467	124.969	1.00	0.00	H
ATOM	1206	H3'	T B	20	47.907	-15.114	124.352	1.00	0.00	H
ATOM	1207	H4'	T B	20	46.808	-13.907	122.268	1.00	0.00	H
ATOM	1208	H3T	T B	20	49.363	-13.146	124.475	1.00	0.00	H
ATOM	1209	H71	T B	20	43.000	-14.870	128.471	1.00	0.00	H
ATOM	1210	H72	T B	20	41.443	-14.058	128.176	1.00	0.00	H
ATOM	1211	H73	T B	20	42.133	-15.136	126.938	1.00	0.00	H
ATOM	1212	H2'1	T B	20	46.491	-14.279	126.100	1.00	0.00	H
ATOM	1213	H2'2	T B	20	47.802	-13.110	126.161	1.00	0.00	H
ATOM	1214	H5'1	T B	20	44.461	-14.812	122.907	1.00	0.00	H
ATOM	1215	H5'2	T B	20	45.810	-15.935	122.636	1.00	0.00	H
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ATOM	1	C1'	A A	1	55.554	-35.637	104.773	1.00	0.00	C
ATOM	2	N1	A A	1	52.981	-39.646	106.681	1.00	0.00	N
ATOM	3	C2	A A	1	53.751	-39.501	105.607	1.00	0.00	C
ATOM	4	N3	A A	1	54.390	-38.435	105.172	1.00	0.00	N
ATOM	5	C4	A A	1	54.168	-37.393	105.993	1.00	0.00	C
ATOM	6	C5	A A	1	53.408	-37.376	107.128	1.00	0.00	C
ATOM	7	C6	A A	1	52.780	-38.589	107.482	1.00	0.00	C
ATOM	8	N6	A A	1	52.002	-38.723	108.571	1.00	0.00	N
ATOM	9	N7	A A	1	53.414	-36.122	107.714	1.00	0.00	N
ATOM	10	C8	A A	1	54.169	-35.414	106.927	1.00	0.00	C
ATOM	11	N9	A A	1	54.664	-36.119	105.862	1.00	0.00	N
ATOM	12	C2'	A A	1	55.256	-34.214	104.321	1.00	0.00	C
ATOM	13	C3'	A A	1	56.645	-33.685	104.004	1.00	0.00	C
ATOM	14	O3'	A A	1	57.000	-34.065	102.676	1.00	0.00	O
ATOM	15	C4'	A A	1	57.519	-34.370	105.053	1.00	0.00	C
ATOM	16	O4'	A A	1	56.883	-35.673	105.256	1.00	0.00	O
ATOM	17	C5'	A A	1	57.630	-33.674	106.390	1.00	0.00	C
ATOM	18	O5'	A A	1	56.363	-33.058	106.731	1.00	0.00	O
ATOM	19	H2	A A	1	53.871	-40.397	104.996	1.00	0.00	H
ATOM	20	H8	A A	1	54.388	-34.360	107.099	1.00	0.00	H
ATOM	21	H1'	A A	1	55.482	-36.336	103.939	1.00	0.00	H
ATOM	22	H3'	A A	1	56.700	-32.599	104.094	1.00	0.00	H
ATOM	23	H4'	A A	1	58.520	-34.443	104.632	1.00	0.00	H
ATOM	24	H61	A A	1	51.568	-39.629	108.784	1.00	0.00	H

ATOM	25	H62	A A	1	51.843	-37.914	109.189	1.00	0.00	H
ATOM	26	H5T	A A	1	56.368	-32.234	107.220	1.00	0.00	H
ATOM	27	H2'1	A A	1	54.775	-33.625	105.100	1.00	0.00	H
ATOM	28	H2'2	A A	1	54.612	-34.186	103.442	1.00	0.00	H
ATOM	29	H5'1	A A	1	57.902	-34.405	107.151	1.00	0.00	H
ATOM	30	H5'2	A A	1	58.406	-32.912	106.333	1.00	0.00	H
ATOM	31	C1'	G A	2	53.286	-38.119	101.119	1.00	0.00	C
ATOM	32	N1	G A	2	50.106	-39.580	104.829	1.00	0.00	N
ATOM	33	C2	G A	2	50.659	-40.313	103.797	1.00	0.00	C
ATOM	34	N2	G A	2	50.320	-41.607	103.744	1.00	0.00	N
ATOM	35	N3	G A	2	51.487	-39.798	102.889	1.00	0.00	N
ATOM	36	C4	G A	2	51.715	-38.473	103.093	1.00	0.00	C
ATOM	37	C5	G A	2	51.204	-37.661	104.092	1.00	0.00	C
ATOM	38	C6	G A	2	50.329	-38.211	105.058	1.00	0.00	C
ATOM	39	O6	G A	2	49.781	-37.658	106.012	1.00	0.00	O
ATOM	40	N7	G A	2	51.685	-36.357	103.947	1.00	0.00	N
ATOM	41	C8	G A	2	52.455	-36.420	102.891	1.00	0.00	C
ATOM	42	N9	G A	2	52.523	-37.672	102.316	1.00	0.00	N
ATOM	43	C2'	G A	2	53.330	-37.088	99.999	1.00	0.00	C
ATOM	44	C3'	G A	2	54.724	-37.296	99.430	1.00	0.00	C
ATOM	45	O3'	G A	2	54.690	-38.365	98.486	1.00	0.00	O
ATOM	46	C4'	G A	2	55.548	-37.645	100.668	1.00	0.00	C
ATOM	47	O4'	G A	2	54.616	-38.376	101.526	1.00	0.00	O
ATOM	48	C5'	G A	2	56.113	-36.481	101.447	1.00	0.00	C
ATOM	49	O5'	G A	2	55.168	-35.382	101.442	1.00	0.00	O
ATOM	50	O1P	G A	2	56.357	-33.600	100.121	1.00	0.00	O
ATOM	51	O2P	G A	2	54.656	-32.956	101.849	1.00	0.00	O
ATOM	52	P	G A	2	55.728	-33.889	101.424	1.00	0.00	P
ATOM	53	H1	G A	2	49.480	-40.075	105.480	1.00	0.00	H
ATOM	54	H8	G A	2	52.995	-35.558	102.500	1.00	0.00	H
ATOM	55	H1'	G A	2	52.855	-39.057	100.770	1.00	0.00	H
ATOM	56	H21	G A	2	49.681	-42.000	104.449	1.00	0.00	H
ATOM	57	H3'	G A	2	55.105	-36.397	98.945	1.00	0.00	H
ATOM	58	H22	G A	2	50.698	-42.206	102.997	1.00	0.00	H
ATOM	59	H4'	G A	2	56.384	-38.256	100.329	1.00	0.00	H
ATOM	60	H2'1	G A	2	53.199	-36.070	100.369	1.00	0.00	H
ATOM	61	H2'2	G A	2	52.562	-37.264	99.244	1.00	0.00	H
ATOM	62	H5'1	G A	2	56.303	-36.796	102.474	1.00	0.00	H
ATOM	63	H5'2	G A	2	57.050	-36.165	100.991	1.00	0.00	H
ATOM	64	C1'	G A	3	49.781	-41.077	99.251	1.00	0.00	C
ATOM	65	N1	G A	3	47.069	-39.446	103.251	1.00	0.00	N
ATOM	66	C2	G A	3	47.189	-40.716	102.720	1.00	0.00	C
ATOM	67	N2	G A	3	46.493	-41.681	103.334	1.00	0.00	N
ATOM	68	N3	G A	3	47.944	-41.002	101.661	1.00	0.00	N
ATOM	69	C4	G A	3	48.572	-39.905	101.162	1.00	0.00	C
ATOM	70	C5	G A	3	48.508	-38.601	101.624	1.00	0.00	C
ATOM	71	C6	G A	3	47.710	-38.298	102.751	1.00	0.00	C
ATOM	72	O6	G A	3	47.529	-37.212	103.304	1.00	0.00	O
ATOM	73	N7	G A	3	49.301	-37.769	100.831	1.00	0.00	N
ATOM	74	C8	G A	3	49.811	-38.576	99.937	1.00	0.00	C
ATOM	75	N9	G A	3	49.414	-39.891	100.072	1.00	0.00	N
ATOM	76	C2'	G A	3	49.905	-40.779	97.763	1.00	0.00	C
ATOM	77	C3'	G A	3	51.051	-41.687	97.350	1.00	0.00	C
ATOM	78	O3'	G A	3	50.539	-42.990	97.078	1.00	0.00	O

ATOM	79	C4'	G A	3	51.958	-41.669	98.579	1.00	0.00	C
ATOM	80	O4'	G A	3	51.035	-41.547	99.707	1.00	0.00	O
ATOM	81	C5'	G A	3	52.964	-40.545	98.652	1.00	0.00	C
ATOM	82	O5'	G A	3	52.386	-39.333	98.109	1.00	0.00	O
ATOM	83	O1P	G A	3	53.764	-38.904	96.046	1.00	0.00	O
ATOM	84	O2P	G A	3	52.668	-36.991	97.242	1.00	0.00	O
ATOM	85	P	G A	3	53.334	-38.314	97.328	1.00	0.00	P
ATOM	86	H1	G A	3	46.461	-39.331	104.076	1.00	0.00	H
ATOM	87	H8	G A	3	50.490	-38.241	99.153	1.00	0.00	H
ATOM	88	H1'	G A	3	49.044	-41.860	99.432	1.00	0.00	H
ATOM	89	H21	G A	3	45.913	-41.452	104.155	1.00	0.00	H
ATOM	90	H3'	G A	3	51.573	-41.313	96.470	1.00	0.00	H
ATOM	91	H22	G A	3	46.539	-42.648	102.986	1.00	0.00	H
ATOM	92	H4'	G A	3	52.509	-42.609	98.580	1.00	0.00	H
ATOM	93	H2'1	G A	3	50.139	-39.732	97.570	1.00	0.00	H
ATOM	94	H2'2	G A	3	48.992	-41.015	97.216	1.00	0.00	H
ATOM	95	H5'1	G A	3	53.247	-40.386	99.692	1.00	0.00	H
ATOM	96	H5'2	G A	3	53.850	-40.820	98.081	1.00	0.00	H
ATOM	97	C1'	C A	4	45.296	-43.180	99.203	1.00	0.00	C
ATOM	98	N1	C A	4	45.437	-41.701	99.324	1.00	0.00	N
ATOM	99	C2	C A	4	44.766	-41.067	100.365	1.00	0.00	C
ATOM	100	O2	C A	4	44.084	-41.748	101.141	1.00	0.00	O
ATOM	101	N3	C A	4	44.881	-39.722	100.493	1.00	0.00	N
ATOM	102	C4	C A	4	45.626	-39.010	99.636	1.00	0.00	C
ATOM	103	N4	C A	4	45.706	-37.700	99.810	1.00	0.00	N
ATOM	104	C5	C A	4	46.325	-39.639	98.556	1.00	0.00	C
ATOM	105	C6	C A	4	46.197	-40.992	98.448	1.00	0.00	C
ATOM	106	C2'	C A	4	45.217	-43.672	97.765	1.00	0.00	C
ATOM	107	C3'	C A	4	45.964	-44.994	97.841	1.00	0.00	C
ATOM	108	O3'	C A	4	45.066	-46.015	98.273	1.00	0.00	O
ATOM	109	C4'	C A	4	47.054	-44.711	98.872	1.00	0.00	C
ATOM	110	O4'	C A	4	46.433	-43.770	99.805	1.00	0.00	O
ATOM	111	C5'	C A	4	48.330	-44.096	98.346	1.00	0.00	C
ATOM	112	O5'	C A	4	48.023	-43.164	97.279	1.00	0.00	O
ATOM	113	O1P	C A	4	49.051	-44.242	95.250	1.00	0.00	O
ATOM	114	O2P	C A	4	48.780	-41.750	95.344	1.00	0.00	O
ATOM	115	P	C A	4	49.053	-43.015	96.070	1.00	0.00	P
ATOM	116	H5	C A	4	46.928	-39.063	97.853	1.00	0.00	H
ATOM	117	H6	C A	4	46.715	-41.515	97.644	1.00	0.00	H
ATOM	118	H1'	C A	4	44.419	-43.484	99.770	1.00	0.00	H
ATOM	119	H3'	C A	4	46.394	-45.276	96.879	1.00	0.00	H
ATOM	120	H4'	C A	4	47.309	-45.664	99.333	1.00	0.00	H
ATOM	121	H41	C A	4	46.273	-37.129	99.166	1.00	0.00	H
ATOM	122	H42	C A	4	45.201	-37.250	100.587	1.00	0.00	H
ATOM	123	H2'1	C A	4	45.694	-42.987	97.065	1.00	0.00	H
ATOM	124	H2'2	C A	4	44.187	-43.814	97.433	1.00	0.00	H
ATOM	125	H5'1	C A	4	48.837	-43.572	99.158	1.00	0.00	H
ATOM	126	H5'2	C A	4	48.979	-44.886	97.970	1.00	0.00	H
ATOM	127	C1'	C A	5	40.475	-43.394	100.310	1.00	0.00	C
ATOM	128	N1	C A	5	41.048	-42.181	99.664	1.00	0.00	N
ATOM	129	C2	C A	5	40.791	-40.946	100.254	1.00	0.00	C
ATOM	130	O2	C A	5	40.101	-40.905	101.282	1.00	0.00	O
ATOM	131	N3	C A	5	41.304	-39.829	99.681	1.00	0.00	N
ATOM	132	C4	C A	5	42.046	-39.904	98.569	1.00	0.00	C

ATOM	133	N4	C A	5	42.525	-38.782	98.055	1.00	0.00	N
ATOM	134	C5	C A	5	42.325	-41.162	97.941	1.00	0.00	C
ATOM	135	C6	C A	5	41.800	-42.272	98.536	1.00	0.00	C
ATOM	136	C2'	C A	5	39.991	-44.445	99.320	1.00	0.00	C
ATOM	137	C3'	C A	5	40.333	-45.740	100.041	1.00	0.00	C
ATOM	138	O3'	C A	5	39.281	-46.064	100.946	1.00	0.00	O
ATOM	139	C4'	C A	5	41.632	-45.393	100.764	1.00	0.00	C
ATOM	140	O4'	C A	5	41.488	-43.978	101.107	1.00	0.00	O
ATOM	141	C5'	C A	5	42.908	-45.572	99.976	1.00	0.00	C
ATOM	142	O5'	C A	5	42.683	-45.210	98.589	1.00	0.00	O
ATOM	143	O1P	C A	5	42.965	-47.392	97.366	1.00	0.00	O
ATOM	144	O2P	C A	5	43.435	-45.224	96.192	1.00	0.00	O
ATOM	145	P	C A	5	43.468	-46.007	97.452	1.00	0.00	P
ATOM	146	H5	C A	5	42.923	-41.228	97.032	1.00	0.00	H
ATOM	147	H6	C A	5	41.988	-43.252	98.097	1.00	0.00	H
ATOM	148	H1'	C A	5	39.668	-43.078	100.971	1.00	0.00	H
ATOM	149	H3'	C A	5	40.478	-46.568	99.345	1.00	0.00	H
ATOM	150	H4'	C A	5	41.688	-46.041	101.640	1.00	0.00	H
ATOM	151	H41	C A	5	43.100	-38.812	97.201	1.00	0.00	H
ATOM	152	H42	C A	5	42.322	-37.879	98.508	1.00	0.00	H
ATOM	153	H2'1	C A	5	40.503	-44.378	98.361	1.00	0.00	H
ATOM	154	H2'2	C A	5	38.920	-44.369	99.127	1.00	0.00	H
ATOM	155	H5'1	C A	5	43.685	-44.935	100.402	1.00	0.00	H
ATOM	156	H5'2	C A	5	43.224	-46.613	100.039	1.00	0.00	H
ATOM	157	C1'	G A	6	36.085	-41.414	101.465	1.00	0.00	C
ATOM	158	N1	G A	6	37.954	-37.298	99.101	1.00	0.00	N
ATOM	159	C2	G A	6	37.233	-37.395	100.278	1.00	0.00	C
ATOM	160	N2	G A	6	36.973	-36.243	100.908	1.00	0.00	N
ATOM	161	N3	G A	6	36.806	-38.550	100.785	1.00	0.00	N
ATOM	162	C4	G A	6	37.151	-39.613	100.014	1.00	0.00	C
ATOM	163	C5	G A	6	37.864	-39.612	98.826	1.00	0.00	C
ATOM	164	C6	G A	6	38.322	-38.387	98.288	1.00	0.00	C
ATOM	165	O6	G A	6	38.962	-38.183	97.258	1.00	0.00	O
ATOM	166	N7	G A	6	38.007	-40.915	98.347	1.00	0.00	N
ATOM	167	C8	G A	6	37.393	-41.649	99.239	1.00	0.00	C
ATOM	168	N9	G A	6	36.847	-40.930	100.282	1.00	0.00	N
ATOM	169	C2'	G A	6	35.148	-42.574	101.158	1.00	0.00	C
ATOM	170	C3'	G A	6	35.236	-43.401	102.430	1.00	0.00	C
ATOM	171	O3'	G A	6	34.323	-42.878	103.393	1.00	0.00	O
ATOM	172	C4'	G A	6	36.692	-43.216	102.855	1.00	0.00	C
ATOM	173	O4'	G A	6	37.020	-41.854	102.431	1.00	0.00	O
ATOM	174	C5'	G A	6	37.695	-44.165	102.247	1.00	0.00	C
ATOM	175	O5'	G A	6	37.329	-44.455	100.874	1.00	0.00	O
ATOM	176	O1P	G A	6	36.748	-46.902	100.927	1.00	0.00	O
ATOM	177	O2P	G A	6	37.585	-45.858	98.806	1.00	0.00	O
ATOM	178	P	G A	6	37.629	-45.907	100.288	1.00	0.00	P
ATOM	179	H1	G A	6	38.245	-36.355	98.798	1.00	0.00	H
ATOM	180	H8	G A	6	37.319	-42.734	99.166	1.00	0.00	H
ATOM	181	H1'	G A	6	35.537	-40.571	101.887	1.00	0.00	H
ATOM	182	H21	G A	6	37.310	-35.353	100.511	1.00	0.00	H
ATOM	183	H3'	G A	6	35.010	-44.452	102.252	1.00	0.00	H
ATOM	184	H22	G A	6	36.438	-36.247	101.788	1.00	0.00	H
ATOM	185	H4'	G A	6	36.726	-43.343	103.936	1.00	0.00	H
ATOM	186	H2'1	G A	6	35.471	-43.148	100.289	1.00	0.00	H

ATOM	187	H2'2	G A	6	34.126	-42.243	100.969	1.00	0.00	H
ATOM	188	H5'1	G A	6	38.684	-43.711	102.276	1.00	0.00	H
ATOM	189	H5'2	G A	6	37.710	-45.089	102.826	1.00	0.00	H
ATOM	190	C1'	C A	7	32.731	-37.771	101.546	1.00	0.00	C
ATOM	191	N1	C A	7	33.367	-38.185	100.265	1.00	0.00	N
ATOM	192	C2	C A	7	33.939	-37.193	99.471	1.00	0.00	C
ATOM	193	O2	C A	7	33.897	-36.019	99.858	1.00	0.00	O
ATOM	194	N3	C A	7	34.524	-37.550	98.301	1.00	0.00	N
ATOM	195	C4	C A	7	34.552	-38.829	97.907	1.00	0.00	C
ATOM	196	N4	C A	7	35.139	-39.121	96.756	1.00	0.00	N
ATOM	197	C5	C A	7	33.967	-39.869	98.701	1.00	0.00	C
ATOM	198	C6	C A	7	33.389	-39.488	99.878	1.00	0.00	C
ATOM	199	C2'	C A	7	31.462	-38.544	101.879	1.00	0.00	C
ATOM	200	C3'	C A	7	31.549	-38.654	103.394	1.00	0.00	C
ATOM	201	O3'	C A	7	31.018	-37.469	103.982	1.00	0.00	O
ATOM	202	C4'	C A	7	33.049	-38.798	103.639	1.00	0.00	C
ATOM	203	O4'	C A	7	33.667	-37.996	102.583	1.00	0.00	O
ATOM	204	C5'	C A	7	33.609	-40.201	103.570	1.00	0.00	C
ATOM	205	O5'	C A	7	32.925	-40.952	102.534	1.00	0.00	O
ATOM	206	O1P	C A	7	31.692	-42.731	103.821	1.00	0.00	O
ATOM	207	O2P	C A	7	32.383	-43.149	101.445	1.00	0.00	O
ATOM	208	P	C A	7	32.686	-42.513	102.749	1.00	0.00	P
ATOM	209	H5	C A	7	33.983	-40.912	98.383	1.00	0.00	H
ATOM	210	H6	C A	7	32.937	-40.244	100.521	1.00	0.00	H
ATOM	211	H1'	C A	7	32.535	-36.699	101.498	1.00	0.00	H
ATOM	212	H3'	C A	7	31.003	-39.520	103.770	1.00	0.00	H
ATOM	213	H4'	C A	7	33.244	-38.412	104.640	1.00	0.00	H
ATOM	214	H41	C A	7	35.178	-40.098	96.430	1.00	0.00	H
ATOM	215	H42	C A	7	35.557	-38.373	96.184	1.00	0.00	H
ATOM	216	H2'1	C A	7	31.441	-39.525	101.410	1.00	0.00	H
ATOM	217	H2'2	C A	7	30.561	-38.012	101.570	1.00	0.00	H
ATOM	218	H5'1	C A	7	34.675	-40.151	103.346	1.00	0.00	H
ATOM	219	H5'2	C A	7	33.468	-40.691	104.533	1.00	0.00	H
ATOM	220	C1'	A A	8	30.613	-33.626	99.858	1.00	0.00	C
ATOM	221	N1	A A	8	32.647	-35.093	95.379	1.00	0.00	N
ATOM	222	C2	A A	8	32.564	-33.913	95.986	1.00	0.00	C
ATOM	223	N3	A A	8	32.027	-33.603	97.146	1.00	0.00	N
ATOM	224	C4	A A	8	31.508	-34.702	97.725	1.00	0.00	C
ATOM	225	C5	A A	8	31.508	-35.979	97.238	1.00	0.00	C
ATOM	226	C6	A A	8	32.121	-36.170	95.983	1.00	0.00	C
ATOM	227	N6	A A	8	32.197	-37.369	95.379	1.00	0.00	N
ATOM	228	N7	A A	8	30.882	-36.848	98.114	1.00	0.00	N
ATOM	229	C8	A A	8	30.515	-36.085	99.103	1.00	0.00	C
ATOM	230	N9	A A	8	30.864	-34.769	98.937	1.00	0.00	N
ATOM	231	C2'	A A	8	29.263	-33.691	100.561	1.00	0.00	C
ATOM	232	C3'	A A	8	29.591	-33.110	101.927	1.00	0.00	C
ATOM	233	O3'	A A	8	29.524	-31.688	101.859	1.00	0.00	O
ATOM	234	C4'	A A	8	31.013	-33.610	102.178	1.00	0.00	C
ATOM	235	O4'	A A	8	31.624	-33.642	100.847	1.00	0.00	O
ATOM	236	C5'	A A	8	31.142	-34.979	102.803	1.00	0.00	C
ATOM	237	O5'	A A	8	30.103	-35.851	102.293	1.00	0.00	O
ATOM	238	O1P	A A	8	28.685	-36.313	104.321	1.00	0.00	O
ATOM	239	O2P	A A	8	28.787	-37.986	102.453	1.00	0.00	O
ATOM	240	P	A A	8	29.486	-36.958	103.263	1.00	0.00	P

ATOM	241	H2	A A	8	33.007	-33.080	95.441	1.00	0.00	H
ATOM	242	H8	A A	8	29.982	-36.455	99.979	1.00	0.00	H
ATOM	243	H1'	A A	8	30.714	-32.703	99.290	1.00	0.00	H
ATOM	244	H3'	A A	8	28.907	-33.467	102.697	1.00	0.00	H
ATOM	245	H4'	A A	8	31.486	-32.892	102.846	1.00	0.00	H
ATOM	246	H61	A A	8	32.658	-37.456	94.463	1.00	0.00	H
ATOM	247	H62	A A	8	31.793	-38.201	95.835	1.00	0.00	H
ATOM	248	H2'1	A A	8	28.888	-34.709	100.642	1.00	0.00	H
ATOM	249	H2'2	A A	8	28.503	-33.100	100.050	1.00	0.00	H
ATOM	250	H5'1	A A	8	32.121	-35.391	102.559	1.00	0.00	H
ATOM	251	H5'2	A A	8	31.050	-34.890	103.885	1.00	0.00	H
ATOM	252	C1'	C A	9	29.497	-30.340	96.306	1.00	0.00	C
ATOM	253	N1	C A	9	29.227	-31.790	96.103	1.00	0.00	N
ATOM	254	C2	C A	9	29.703	-32.386	94.936	1.00	0.00	C
ATOM	255	O2	C A	9	30.324	-31.690	94.122	1.00	0.00	O
ATOM	256	N3	C A	9	29.468	-33.703	94.732	1.00	0.00	N
ATOM	257	C4	C A	9	28.789	-34.430	95.630	1.00	0.00	C
ATOM	258	N4	C A	9	28.591	-35.717	95.382	1.00	0.00	N
ATOM	259	C5	C A	9	28.285	-33.844	96.838	1.00	0.00	C
ATOM	260	C6	C A	9	28.537	-32.515	97.026	1.00	0.00	C
ATOM	261	C2'	C A	9	28.347	-29.588	96.960	1.00	0.00	C
ATOM	262	C3'	C A	9	29.082	-28.578	97.829	1.00	0.00	C
ATOM	263	O3'	C A	9	29.419	-27.440	97.039	1.00	0.00	O
ATOM	264	C4'	C A	9	30.317	-29.352	98.280	1.00	0.00	C
ATOM	265	O4'	C A	9	30.628	-30.228	97.149	1.00	0.00	O
ATOM	266	C5'	C A	9	30.160	-30.203	99.519	1.00	0.00	C
ATOM	267	O5'	C A	9	28.833	-30.790	99.545	1.00	0.00	O
ATOM	268	O1P	C A	9	27.754	-29.702	101.541	1.00	0.00	O
ATOM	269	O2P	C A	9	27.009	-31.981	100.800	1.00	0.00	O
ATOM	270	P	C A	9	28.117	-31.006	100.954	1.00	0.00	P
ATOM	271	H5	C A	9	27.727	-34.430	97.569	1.00	0.00	H
ATOM	272	H6	C A	9	28.182	-32.025	97.932	1.00	0.00	H
ATOM	273	H1'	C A	9	29.753	-29.903	95.342	1.00	0.00	H
ATOM	274	H3'	C A	9	28.482	-28.261	98.681	1.00	0.00	H
ATOM	275	H4'	C A	9	31.097	-28.619	98.479	1.00	0.00	H
ATOM	276	H41	C A	9	28.075	-36.298	96.058	1.00	0.00	H
ATOM	277	H42	C A	9	28.953	-36.135	94.512	1.00	0.00	H
ATOM	278	H2'1	C A	9	27.714	-30.239	97.560	1.00	0.00	H
ATOM	279	H2'2	C A	9	27.708	-29.092	96.228	1.00	0.00	H
ATOM	280	H5'1	C A	9	30.912	-30.993	99.510	1.00	0.00	H
ATOM	281	H5'2	C A	9	30.304	-29.581	100.401	1.00	0.00	H
ATOM	282	C1'	C A	10	28.707	-28.940	91.622	1.00	0.00	C
ATOM	283	N1	C A	10	28.004	-30.125	92.185	1.00	0.00	N
ATOM	284	C2	C A	10	28.066	-31.320	91.470	1.00	0.00	C
ATOM	285	O2	C A	10	28.696	-31.348	90.405	1.00	0.00	O
ATOM	286	N3	C A	10	27.433	-32.411	91.966	1.00	0.00	N
ATOM	287	C4	C A	10	26.757	-32.351	93.121	1.00	0.00	C
ATOM	288	N4	C A	10	26.159	-33.449	93.561	1.00	0.00	N
ATOM	289	C5	C A	10	26.674	-31.134	93.875	1.00	0.00	C
ATOM	290	C6	C A	10	27.324	-30.049	93.359	1.00	0.00	C
ATOM	291	C2'	C A	10	27.961	-27.630	91.828	1.00	0.00	C
ATOM	292	C3'	C A	10	29.100	-26.648	92.052	1.00	0.00	C
ATOM	293	O3'	C A	10	29.592	-26.206	90.789	1.00	0.00	O
ATOM	294	C4'	C A	10	30.127	-27.486	92.810	1.00	0.00	C

ATOM	295	O4'	C	A	10	29.961	-28.835	92.270	1.00	0.00	O
ATOM	296	C5'	C	A	10	29.968	-27.544	94.312	1.00	0.00	C
ATOM	297	O5'	C	A	10	28.561	-27.559	94.657	1.00	0.00	O
ATOM	298	O1P	C	A	10	28.226	-25.368	95.847	1.00	0.00	O
ATOM	299	O2P	C	A	10	26.743	-27.320	96.374	1.00	0.00	O
ATOM	300	P	C	A	10	28.089	-26.830	95.994	1.00	0.00	P
ATOM	301	H5	C	A	10	26.120	-31.078	94.814	1.00	0.00	H
ATOM	302	H6	C	A	10	27.296	-29.104	93.901	1.00	0.00	H
ATOM	303	H1'	C	A	10	28.891	-29.123	90.564	1.00	0.00	H
ATOM	304	H3'	C	A	10	28.785	-25.784	92.639	1.00	0.00	H
ATOM	305	H4'	C	A	10	31.106	-27.057	92.595	1.00	0.00	H
ATOM	306	H41	C	A	10	25.635	-33.430	94.447	1.00	0.00	H
ATOM	307	H42	C	A	10	26.218	-34.321	93.014	1.00	0.00	H
ATOM	308	H2'1	C	A	10	27.292	-27.663	92.687	1.00	0.00	H
ATOM	309	H2'2	C	A	10	27.363	-27.353	90.957	1.00	0.00	H
ATOM	310	H5'1	C	A	10	30.451	-28.446	94.689	1.00	0.00	H
ATOM	311	H5'2	C	A	10	30.447	-26.671	94.755	1.00	0.00	H
ATOM	312	C1'	T	A	11	27.494	-29.713	86.886	1.00	0.00	C
ATOM	313	N1	T	A	11	26.602	-30.196	87.973	1.00	0.00	N
ATOM	314	C2	T	A	11	26.210	-31.518	87.925	1.00	0.00	C
ATOM	315	O2	T	A	11	26.563	-32.281	87.042	1.00	0.00	O
ATOM	316	N3	T	A	11	25.381	-31.927	88.955	1.00	0.00	N
ATOM	317	C4	T	A	11	24.922	-31.147	89.997	1.00	0.00	C
ATOM	318	O4	T	A	11	24.178	-31.624	90.863	1.00	0.00	O
ATOM	319	C5	T	A	11	25.385	-29.780	89.961	1.00	0.00	C
ATOM	320	C6	T	A	11	26.193	-29.349	88.974	1.00	0.00	C
ATOM	321	C7	T	A	11	24.911	-28.898	91.078	1.00	0.00	C
ATOM	322	C2'	T	A	11	27.194	-28.289	86.432	1.00	0.00	C
ATOM	323	C3'	T	A	11	28.583	-27.756	86.119	1.00	0.00	C
ATOM	324	O3'	T	A	11	28.943	-28.136	84.792	1.00	0.00	O
ATOM	325	C4'	T	A	11	29.453	-28.438	87.171	1.00	0.00	C
ATOM	326	O4'	T	A	11	28.822	-29.744	87.371	1.00	0.00	O
ATOM	327	C5'	T	A	11	29.560	-27.743	88.509	1.00	0.00	C
ATOM	328	O5'	T	A	11	28.290	-27.131	88.845	1.00	0.00	O
ATOM	329	O1P	T	A	11	28.802	-24.668	88.805	1.00	0.00	O
ATOM	330	O2P	T	A	11	26.952	-25.540	90.256	1.00	0.00	O
ATOM	331	P	T	A	11	28.291	-25.759	89.656	1.00	0.00	P
ATOM	332	H3	T	A	11	25.078	-32.909	88.944	1.00	0.00	H
ATOM	333	H6	T	A	11	26.531	-28.312	88.968	1.00	0.00	H
ATOM	334	H1'	T	A	11	27.426	-30.411	86.051	1.00	0.00	H
ATOM	335	H3'	T	A	11	28.633	-26.672	86.209	1.00	0.00	H
ATOM	336	H4'	T	A	11	30.458	-28.512	86.753	1.00	0.00	H
ATOM	337	H71	T	A	11	24.263	-28.118	90.675	1.00	0.00	H
ATOM	338	H72	T	A	11	24.355	-29.493	91.801	1.00	0.00	H
ATOM	339	H73	T	A	11	25.769	-28.439	91.570	1.00	0.00	H
ATOM	340	H2'1	T	A	11	26.709	-27.702	87.209	1.00	0.00	H
ATOM	341	H2'2	T	A	11	26.551	-28.263	85.552	1.00	0.00	H
ATOM	342	H5'1	T	A	11	29.831	-28.473	89.272	1.00	0.00	H
ATOM	343	H5'2	T	A	11	30.335	-26.979	88.454	1.00	0.00	H
ATOM	344	C1'	A	A	12	25.241	-32.181	83.217	1.00	0.00	C
ATOM	345	N1	A	A	12	22.041	-33.677	86.940	1.00	0.00	N
ATOM	346	C2	A	A	12	22.604	-34.325	85.926	1.00	0.00	C
ATOM	347	N3	A	A	12	23.427	-33.877	85.000	1.00	0.00	N
ATOM	348	C4	A	A	12	23.666	-32.567	85.185	1.00	0.00	C

ATOM	349	C5	A	A	12	23.169	-31.761	86.169	1.00	0.00	C
ATOM	350	C6	A	A	12	22.300	-32.370	87.100	1.00	0.00	C
ATOM	351	N6	A	A	12	21.735	-31.704	88.121	1.00	0.00	N
ATOM	352	N7	A	A	12	23.639	-30.466	86.041	1.00	0.00	N
ATOM	353	C8	A	A	12	24.402	-30.514	84.990	1.00	0.00	C
ATOM	354	N9	A	A	12	24.469	-31.759	84.417	1.00	0.00	N
ATOM	355	C2'	A	A	12	25.278	-31.133	82.113	1.00	0.00	C
ATOM	356	C3'	A	A	12	26.676	-31.319	81.546	1.00	0.00	C
ATOM	357	O3'	A	A	12	26.654	-32.375	80.587	1.00	0.00	O
ATOM	358	C4'	A	A	12	27.500	-31.680	82.781	1.00	0.00	C
ATOM	359	O4'	A	A	12	26.571	-32.432	83.626	1.00	0.00	O
ATOM	360	C5'	A	A	12	28.052	-30.523	83.579	1.00	0.00	C
ATOM	361	O5'	A	A	12	27.098	-29.431	83.587	1.00	0.00	O
ATOM	362	O1P	A	A	12	28.275	-27.619	82.296	1.00	0.00	O
ATOM	363	O2P	A	A	12	26.562	-27.016	84.028	1.00	0.00	O
ATOM	364	P	A	A	12	27.644	-27.934	83.592	1.00	0.00	P
ATOM	365	H2	A	A	12	22.350	-35.382	85.850	1.00	0.00	H
ATOM	366	H8	A	A	12	24.938	-29.649	84.598	1.00	0.00	H
ATOM	367	H1'	A	A	12	24.819	-33.117	82.852	1.00	0.00	H
ATOM	368	H3'	A	A	12	27.051	-30.411	81.074	1.00	0.00	H
ATOM	369	H4'	A	A	12	28.342	-32.278	82.435	1.00	0.00	H
ATOM	370	H61	A	A	12	21.109	-32.197	88.774	1.00	0.00	H
ATOM	371	H62	A	A	12	21.927	-30.699	88.249	1.00	0.00	H
ATOM	372	H2'1	A	A	12	25.139	-30.122	82.497	1.00	0.00	H
ATOM	373	H2'2	A	A	12	24.515	-31.303	81.354	1.00	0.00	H
ATOM	374	H5'1	A	A	12	28.242	-30.853	84.600	1.00	0.00	H
ATOM	375	H5'2	A	A	12	28.986	-30.192	83.130	1.00	0.00	H
ATOM	376	C1'	G	A	13	21.721	-35.151	81.363	1.00	0.00	C
ATOM	377	N1	G	A	13	19.009	-33.521	85.365	1.00	0.00	N
ATOM	378	C2	G	A	13	19.129	-34.791	84.833	1.00	0.00	C
ATOM	379	N2	G	A	13	18.432	-35.757	85.446	1.00	0.00	N
ATOM	380	N3	G	A	13	19.883	-35.077	83.773	1.00	0.00	N
ATOM	381	C4	G	A	13	20.511	-33.980	83.275	1.00	0.00	C
ATOM	382	C5	G	A	13	20.448	-32.675	83.736	1.00	0.00	C
ATOM	383	C6	G	A	13	19.650	-32.372	84.864	1.00	0.00	C
ATOM	384	O6	G	A	13	19.468	-31.286	85.415	1.00	0.00	O
ATOM	385	N7	G	A	13	21.241	-31.844	82.944	1.00	0.00	N
ATOM	386	C8	G	A	13	21.751	-32.651	82.050	1.00	0.00	C
ATOM	387	N9	G	A	13	21.354	-33.966	82.185	1.00	0.00	N
ATOM	388	C2'	G	A	13	21.844	-34.854	79.876	1.00	0.00	C
ATOM	389	C3'	G	A	13	22.990	-35.762	79.464	1.00	0.00	C
ATOM	390	O3'	G	A	13	22.479	-37.065	79.191	1.00	0.00	O
ATOM	391	C4'	G	A	13	23.898	-35.744	80.692	1.00	0.00	C
ATOM	392	O4'	G	A	13	22.975	-35.621	81.820	1.00	0.00	O
ATOM	393	C5'	G	A	13	24.904	-34.620	80.765	1.00	0.00	C
ATOM	394	O5'	G	A	13	24.326	-33.407	80.222	1.00	0.00	O
ATOM	395	O1P	G	A	13	25.703	-32.979	78.159	1.00	0.00	O
ATOM	396	O2P	G	A	13	24.607	-31.065	79.356	1.00	0.00	O
ATOM	397	P	G	A	13	25.273	-32.389	79.441	1.00	0.00	P
ATOM	398	H1	G	A	13	18.403	-33.407	86.192	1.00	0.00	H
ATOM	399	H8	G	A	13	22.430	-32.317	81.266	1.00	0.00	H
ATOM	400	H1'	G	A	13	20.983	-35.934	81.545	1.00	0.00	H
ATOM	401	H21	G	A	13	17.852	-35.528	86.268	1.00	0.00	H
ATOM	402	H3'	G	A	13	23.512	-35.388	78.583	1.00	0.00	H

ATOM	403	H22	G	A	13	18.477	-36.723	85.098	1.00	0.00	H
ATOM	404	H4'	G	A	13	24.448	-36.684	80.693	1.00	0.00	H
ATOM	405	H2'1	G	A	13	22.079	-33.806	79.682	1.00	0.00	H
ATOM	406	H2'2	G	A	13	20.932	-35.090	79.329	1.00	0.00	H
ATOM	407	H5'1	G	A	13	25.186	-34.461	81.805	1.00	0.00	H
ATOM	408	H5'2	G	A	13	25.790	-34.895	80.194	1.00	0.00	H
ATOM	409	C1'	G	A	14	17.236	-37.253	81.316	1.00	0.00	C
ATOM	410	N1	G	A	14	15.895	-33.123	83.994	1.00	0.00	N
ATOM	411	C2	G	A	14	15.549	-34.449	84.175	1.00	0.00	C
ATOM	412	N2	G	A	14	14.734	-34.712	85.205	1.00	0.00	N
ATOM	413	N3	G	A	14	15.980	-35.437	83.391	1.00	0.00	N
ATOM	414	C4	G	A	14	16.788	-34.989	82.396	1.00	0.00	C
ATOM	415	C5	G	A	14	17.183	-33.688	82.136	1.00	0.00	C
ATOM	416	C6	G	A	14	16.731	-32.641	82.967	1.00	0.00	C
ATOM	417	O6	G	A	14	16.968	-31.434	82.900	1.00	0.00	O
ATOM	418	N7	G	A	14	18.018	-33.653	81.014	1.00	0.00	N
ATOM	419	C8	G	A	14	18.102	-34.904	80.643	1.00	0.00	C
ATOM	420	N9	G	A	14	17.380	-35.775	81.432	1.00	0.00	N
ATOM	421	C2'	G	A	14	17.160	-37.750	79.879	1.00	0.00	C
ATOM	422	C3'	G	A	14	17.902	-39.075	79.960	1.00	0.00	C
ATOM	423	O3'	G	A	14	17.002	-40.091	80.394	1.00	0.00	O
ATOM	424	C4'	G	A	14	18.992	-38.789	80.994	1.00	0.00	C
ATOM	425	O4'	G	A	14	18.369	-37.845	81.922	1.00	0.00	O
ATOM	426	C5'	G	A	14	20.270	-38.179	80.470	1.00	0.00	C
ATOM	427	O5'	G	A	14	19.968	-37.252	79.399	1.00	0.00	O
ATOM	428	O1P	G	A	14	20.999	-38.338	77.377	1.00	0.00	O
ATOM	429	O2P	G	A	14	20.734	-35.845	77.462	1.00	0.00	O
ATOM	430	P	G	A	14	21.000	-37.109	78.192	1.00	0.00	P
ATOM	431	H1	G	A	14	15.513	-32.436	84.662	1.00	0.00	H
ATOM	432	H8	G	A	14	18.689	-35.229	79.784	1.00	0.00	H
ATOM	433	H1'	G	A	14	16.355	-37.555	81.882	1.00	0.00	H
ATOM	434	H21	G	A	14	14.409	-33.943	85.810	1.00	0.00	H
ATOM	435	H3'	G	A	14	18.335	-39.360	79.001	1.00	0.00	H
ATOM	436	H22	G	A	14	14.437	-35.679	85.393	1.00	0.00	H
ATOM	437	H4'	G	A	14	19.243	-39.741	81.460	1.00	0.00	H
ATOM	438	H2'1	G	A	14	17.640	-37.069	79.178	1.00	0.00	H
ATOM	439	H2'2	G	A	14	16.131	-37.892	79.545	1.00	0.00	H
ATOM	440	H5'1	G	A	14	20.775	-37.656	81.281	1.00	0.00	H
ATOM	441	H5'2	G	A	14	20.919	-38.973	80.098	1.00	0.00	H
ATOM	442	C1'	A	A	15	12.416	-37.492	82.415	1.00	0.00	C
ATOM	443	N1	A	A	15	12.812	-32.382	82.686	1.00	0.00	N
ATOM	444	C2	A	A	15	12.190	-33.277	83.450	1.00	0.00	C
ATOM	445	N3	A	A	15	12.131	-34.586	83.324	1.00	0.00	N
ATOM	446	C4	A	A	15	12.822	-34.981	82.238	1.00	0.00	C
ATOM	447	C5	A	A	15	13.508	-34.194	81.357	1.00	0.00	C
ATOM	448	C6	A	A	15	13.493	-32.807	81.611	1.00	0.00	C
ATOM	449	N6	A	A	15	14.123	-31.911	80.831	1.00	0.00	N
ATOM	450	N7	A	A	15	14.098	-34.954	80.362	1.00	0.00	N
ATOM	451	C8	A	A	15	13.755	-36.173	80.657	1.00	0.00	C
ATOM	452	N9	A	A	15	12.980	-36.268	81.786	1.00	0.00	N
ATOM	453	C2'	A	A	15	11.947	-38.537	81.413	1.00	0.00	C
ATOM	454	C3'	A	A	15	12.296	-39.837	82.122	1.00	0.00	C
ATOM	455	O3'	A	A	15	11.242	-40.177	83.018	1.00	0.00	O
ATOM	456	C4'	A	A	15	13.589	-39.486	82.857	1.00	0.00	C

ATOM	457	O4'	A	A	15	13.429	-38.074	83.212	1.00	0.00	O
ATOM	458	C5'	A	A	15	14.871	-39.646	82.075	1.00	0.00	C
ATOM	459	O5'	A	A	15	14.651	-39.272	80.690	1.00	0.00	O
ATOM	460	O1P	A	A	15	14.959	-41.438	79.447	1.00	0.00	O
ATOM	461	O2P	A	A	15	15.416	-39.256	78.297	1.00	0.00	O
ATOM	462	P	A	A	15	15.449	-40.049	79.550	1.00	0.00	P
ATOM	463	H2	A	A	15	11.653	-32.867	84.304	1.00	0.00	H
ATOM	464	H8	A	A	15	14.053	-37.038	80.065	1.00	0.00	H
ATOM	465	H1'	A	A	15	11.603	-37.191	83.075	1.00	0.00	H
ATOM	466	H3'	A	A	15	12.453	-40.656	81.420	1.00	0.00	H
ATOM	467	H4'	A	A	15	13.645	-40.139	83.727	1.00	0.00	H
ATOM	468	H61	A	A	15	14.082	-30.909	81.063	1.00	0.00	H
ATOM	469	H62	A	A	15	14.647	-32.230	80.002	1.00	0.00	H
ATOM	470	H2'1	A	A	15	12.465	-38.455	80.457	1.00	0.00	H
ATOM	471	H2'2	A	A	15	10.877	-38.469	81.214	1.00	0.00	H
ATOM	472	H5'1	A	A	15	15.638	-39.006	82.511	1.00	0.00	H
ATOM	473	H5'2	A	A	15	15.195	-40.684	82.128	1.00	0.00	H
ATOM	474	C1'	C	A	16	8.023	-35.489	83.579	1.00	0.00	C
ATOM	475	N1	C	A	16	8.786	-34.998	82.398	1.00	0.00	N
ATOM	476	C2	C	A	16	9.005	-33.627	82.286	1.00	0.00	C
ATOM	477	O2	C	A	16	8.559	-32.878	83.165	1.00	0.00	O
ATOM	478	N3	C	A	16	9.696	-33.160	81.217	1.00	0.00	N
ATOM	479	C4	C	A	16	10.165	-33.996	80.283	1.00	0.00	C
ATOM	480	N4	C	A	16	10.838	-33.484	79.262	1.00	0.00	N
ATOM	481	C5	C	A	16	9.952	-35.411	80.369	1.00	0.00	C
ATOM	482	C6	C	A	16	9.256	-35.860	81.456	1.00	0.00	C
ATOM	483	C2'	C	A	16	7.085	-36.646	83.266	1.00	0.00	C
ATOM	484	C3'	C	A	16	7.176	-37.479	84.537	1.00	0.00	C
ATOM	485	O3'	C	A	16	6.263	-36.962	85.500	1.00	0.00	O
ATOM	486	C4'	C	A	16	8.631	-37.296	84.960	1.00	0.00	C
ATOM	487	O4'	C	A	16	8.961	-35.932	84.542	1.00	0.00	O
ATOM	488	C5'	C	A	16	9.634	-38.245	84.345	1.00	0.00	C
ATOM	489	O5'	C	A	16	9.265	-38.526	82.972	1.00	0.00	O
ATOM	490	O1P	C	A	16	8.684	-40.975	83.014	1.00	0.00	O
ATOM	491	O2P	C	A	16	9.520	-39.920	80.897	1.00	0.00	O
ATOM	492	P	C	A	16	9.565	-39.975	82.378	1.00	0.00	P
ATOM	493	H5	C	A	16	10.326	-36.095	79.606	1.00	0.00	H
ATOM	494	H6	C	A	16	9.075	-36.929	81.570	1.00	0.00	H
ATOM	495	H1'	C	A	16	7.477	-34.647	84.006	1.00	0.00	H
ATOM	496	H3'	C	A	16	6.948	-38.530	84.350	1.00	0.00	H
ATOM	497	H4'	C	A	16	8.666	-37.431	86.040	1.00	0.00	H
ATOM	498	H41	C	A	16	11.211	-34.106	78.529	1.00	0.00	H
ATOM	499	H42	C	A	16	10.988	-32.468	79.200	1.00	0.00	H
ATOM	500	H2'1	C	A	16	7.408	-37.216	82.395	1.00	0.00	H
ATOM	501	H2'2	C	A	16	6.064	-36.313	83.081	1.00	0.00	H
ATOM	502	H5'1	C	A	16	10.624	-37.788	84.376	1.00	0.00	H
ATOM	503	H5'2	C	A	16	9.648	-39.171	84.919	1.00	0.00	H
ATOM	504	C1'	G	A	17	4.671	-31.845	83.658	1.00	0.00	C
ATOM	505	N1	G	A	17	7.154	-30.236	79.502	1.00	0.00	N
ATOM	506	C2	G	A	17	6.668	-29.517	80.581	1.00	0.00	C
ATOM	507	N2	G	A	17	6.868	-28.194	80.545	1.00	0.00	N
ATOM	508	N3	G	A	17	6.033	-30.074	81.610	1.00	0.00	N
ATOM	509	C4	G	A	17	5.913	-31.422	81.476	1.00	0.00	C
ATOM	510	C5	G	A	17	6.362	-32.221	80.437	1.00	0.00	C

ATOM	511	C6	G A	17	7.040	-31.631	79.345	1.00	0.00	C
ATOM	512	O6	G A	17	7.507	-32.166	78.339	1.00	0.00	O
ATOM	513	N7	G A	17	6.037	-33.557	80.680	1.00	0.00	N
ATOM	514	C8	G A	17	5.419	-33.526	81.832	1.00	0.00	C
ATOM	515	N9	G A	17	5.305	-32.265	82.379	1.00	0.00	N
ATOM	516	C2'	G A	17	3.404	-32.617	83.998	1.00	0.00	C
ATOM	517	C3'	G A	17	3.491	-32.723	85.511	1.00	0.00	C
ATOM	518	O3'	G A	17	2.961	-31.535	86.095	1.00	0.00	O
ATOM	519	C4'	G A	17	4.993	-32.865	85.755	1.00	0.00	C
ATOM	520	O4'	G A	17	5.608	-32.066	84.695	1.00	0.00	O
ATOM	521	C5'	G A	17	5.553	-34.267	85.693	1.00	0.00	C
ATOM	522	O5'	G A	17	4.870	-35.022	84.661	1.00	0.00	O
ATOM	523	O1P	G A	17	3.640	-36.795	85.957	1.00	0.00	O
ATOM	524	O2P	G A	17	4.328	-37.224	83.583	1.00	0.00	O
ATOM	525	P	G A	17	4.632	-36.583	84.885	1.00	0.00	P
ATOM	526	H1	G A	17	7.637	-29.709	78.759	1.00	0.00	H
ATOM	527	H8	G A	17	5.029	-34.421	82.319	1.00	0.00	H
ATOM	528	H1'	G A	17	4.474	-30.774	83.606	1.00	0.00	H
ATOM	529	H21	G A	17	7.362	-27.770	79.747	1.00	0.00	H
ATOM	530	H3'	G A	17	2.948	-33.587	85.893	1.00	0.00	H
ATOM	531	H22	G A	17	6.528	-27.601	81.316	1.00	0.00	H
ATOM	532	H4'	G A	17	5.190	-32.472	86.753	1.00	0.00	H
ATOM	533	H2'1	G A	17	3.382	-33.603	83.532	1.00	0.00	H
ATOM	534	H2'2	G A	17	2.501	-32.090	83.688	1.00	0.00	H
ATOM	535	H5'1	G A	17	6.618	-34.216	85.469	1.00	0.00	H
ATOM	536	H5'2	G A	17	5.414	-34.751	86.659	1.00	0.00	H
ATOM	537	C1'	G A	18	2.564	-27.702	81.949	1.00	0.00	C
ATOM	538	N1	G A	18	4.579	-29.186	77.503	1.00	0.00	N
ATOM	539	C2	G A	18	4.526	-27.929	78.079	1.00	0.00	C
ATOM	540	N2	G A	18	5.083	-26.933	77.375	1.00	0.00	N
ATOM	541	N3	G A	18	3.965	-27.684	79.261	1.00	0.00	N
ATOM	542	C4	G A	18	3.445	-28.804	79.828	1.00	0.00	C
ATOM	543	C5	G A	18	3.446	-30.096	79.327	1.00	0.00	C
ATOM	544	C6	G A	18	4.047	-30.358	78.073	1.00	0.00	C
ATOM	545	O6	G A	18	4.146	-31.426	77.470	1.00	0.00	O
ATOM	546	N7	G A	18	2.808	-30.960	80.219	1.00	0.00	N
ATOM	547	C8	G A	18	2.451	-30.185	81.210	1.00	0.00	C
ATOM	548	N9	G A	18	2.802	-28.861	81.044	1.00	0.00	N
ATOM	549	C2'	G A	18	1.217	-27.742	82.657	1.00	0.00	C
ATOM	550	C3'	G A	18	1.552	-27.147	84.013	1.00	0.00	C
ATOM	551	O3'	G A	18	1.499	-25.724	83.926	1.00	0.00	O
ATOM	552	C4'	G A	18	2.970	-27.655	84.268	1.00	0.00	C
ATOM	553	O4'	G A	18	3.576	-27.711	82.937	1.00	0.00	O
ATOM	554	C5'	G A	18	3.089	-29.016	84.910	1.00	0.00	C
ATOM	555	O5'	G A	18	2.039	-29.886	84.416	1.00	0.00	O
ATOM	556	O1P	G A	18	0.623	-30.306	86.455	1.00	0.00	O
ATOM	557	O2P	G A	18	0.703	-32.005	84.611	1.00	0.00	O
ATOM	558	P	G A	18	1.414	-30.973	85.404	1.00	0.00	P
ATOM	559	H1	G A	18	5.043	-29.270	76.586	1.00	0.00	H
ATOM	560	H8	G A	18	1.921	-30.551	82.089	1.00	0.00	H
ATOM	561	H1'	G A	18	2.672	-26.788	81.366	1.00	0.00	H
ATOM	562	H21	G A	18	5.519	-27.133	76.462	1.00	0.00	H
ATOM	563	H3'	G A	18	0.867	-27.486	84.791	1.00	0.00	H
ATOM	564	H22	G A	18	5.075	-25.975	77.747	1.00	0.00	H

ATOM	565	H4'	G	A	18	3.453	-26.933	84.924	1.00	0.00	H
ATOM	566	H2'1	G	A	18	0.831	-28.757	82.754	1.00	0.00	H
ATOM	567	H2'2	G	A	18	0.459	-27.153	82.139	1.00	0.00	H
ATOM	568	H5'1	G	A	18	4.063	-29.442	84.671	1.00	0.00	H
ATOM	569	H5'2	G	A	18	3.001	-28.910	85.991	1.00	0.00	H
ATOM	570	C1'	T	A	19	1.430	-24.403	78.438	1.00	0.00	C
ATOM	571	N1	T	A	19	1.170	-25.849	78.214	1.00	0.00	N
ATOM	572	C2	T	A	19	1.653	-26.403	77.046	1.00	0.00	C
ATOM	573	O2	T	A	19	2.271	-25.758	76.216	1.00	0.00	O
ATOM	574	N3	T	A	19	1.390	-27.750	76.880	1.00	0.00	N
ATOM	575	C4	T	A	19	0.702	-28.567	77.751	1.00	0.00	C
ATOM	576	O4	T	A	19	0.525	-29.763	77.491	1.00	0.00	O
ATOM	577	C5	T	A	19	0.235	-27.900	78.943	1.00	0.00	C
ATOM	578	C6	T	A	19	0.474	-26.588	79.140	1.00	0.00	C
ATOM	579	C7	T	A	19	-0.518	-28.751	79.922	1.00	0.00	C
ATOM	580	C2'	T	A	19	0.273	-23.665	79.102	1.00	0.00	C
ATOM	581	C3'	T	A	19	0.999	-22.663	79.983	1.00	0.00	C
ATOM	582	O3'	T	A	19	1.330	-21.511	79.211	1.00	0.00	O
ATOM	583	C4'	T	A	19	2.238	-23.437	80.427	1.00	0.00	C
ATOM	584	O4'	T	A	19	2.557	-24.292	79.285	1.00	0.00	O
ATOM	585	C5'	T	A	19	2.085	-24.305	81.655	1.00	0.00	C
ATOM	586	O5'	T	A	19	0.764	-24.901	81.670	1.00	0.00	O
ATOM	587	O1P	T	A	19	-0.328	-23.846	83.678	1.00	0.00	O
ATOM	588	O2P	T	A	19	-1.055	-26.120	82.904	1.00	0.00	O
ATOM	589	P	T	A	19	0.046	-25.142	83.074	1.00	0.00	P
ATOM	590	H3	T	A	19	1.745	-28.187	76.017	1.00	0.00	H
ATOM	591	H6	T	A	19	0.111	-26.106	80.048	1.00	0.00	H
ATOM	592	H1'	T	A	19	1.684	-23.949	77.479	1.00	0.00	H
ATOM	593	H3'	T	A	19	0.394	-22.363	80.840	1.00	0.00	H
ATOM	594	H4'	T	A	19	3.014	-22.699	80.637	1.00	0.00	H
ATOM	595	H71	T	A	19	-1.551	-28.411	79.980	1.00	0.00	H
ATOM	596	H72	T	A	19	-0.496	-29.790	79.591	1.00	0.00	H
ATOM	597	H73	T	A	19	-0.054	-28.675	80.905	1.00	0.00	H
ATOM	598	H2'1	T	A	19	-0.356	-24.332	79.690	1.00	0.00	H
ATOM	599	H2'2	T	A	19	-0.370	-23.165	78.375	1.00	0.00	H
ATOM	600	H5'1	T	A	19	2.843	-25.088	81.636	1.00	0.00	H
ATOM	601	H5'2	T	A	19	2.224	-23.694	82.545	1.00	0.00	H
ATOM	602	C01	LNK	A	20	-0.712	-18.540	78.283	0.00	0.00	C
ATOM	603	O1	LNK	A	20	-0.564	-19.820	78.904	1.00	0.00	O
ATOM	604	S	LNK	A	20	-3.570	-15.866	77.558	0.00	0.00	S
ATOM	605	C02	LNK	A	20	-2.179	-18.084	78.395	0.00	0.00	C
ATOM	606	C03	LNK	A	20	-2.581	-17.328	77.113	0.00	0.00	C
ATOM	607	O1P	LNK	A	20	-0.901	-22.124	77.947	1.00	0.00	O
ATOM	608	O2P	LNK	A	20	0.598	-20.485	76.778	1.00	0.00	O
ATOM	609	P	LNK	A	20	0.067	-21.016	78.058	1.00	0.00	P
ATOM	610	H01	LNK	A	20	-0.433	-18.610	77.231	0.00	0.00	H
ATOM	611	H02	LNK	A	20	-0.068	-17.816	78.782	0.00	0.00	H
ATOM	612	H03	LNK	A	20	-3.171	-17.984	76.474	0.00	0.00	H
ATOM	613	H04	LNK	A	20	-2.291	-17.426	79.256	0.00	0.00	H
ATOM	614	H05	LNK	A	20	-2.822	-18.956	78.518	0.00	0.00	H
ATOM	615	H06	LNK	A	20	-1.684	-17.012	76.582	0.00	0.00	H
ATOM	616	AU	LNK	A	20	-3.833	-15.586	76.990			
TER											
ATOM	618	C1'	A	B	2	4.404	-30.568	69.951	1.00	0.00	C

ATOM	619	N1	A B	2	2.393	-29.021	74.412	1.00	0.00	N
ATOM	620	C2	A B	2	3.077	-28.385	73.468	1.00	0.00	C
ATOM	621	N3	A B	2	3.566	-28.844	72.336	1.00	0.00	N
ATOM	622	C4	A B	2	3.287	-30.155	72.206	1.00	0.00	C
ATOM	623	C5	A B	2	2.598	-30.948	73.079	1.00	0.00	C
ATOM	624	C6	A B	2	2.127	-30.327	74.255	1.00	0.00	C
ATOM	625	N6	A B	2	1.435	-30.980	75.204	1.00	0.00	N
ATOM	626	N7	A B	2	2.505	-32.247	72.608	1.00	0.00	N
ATOM	627	C8	A B	2	3.138	-32.212	71.473	1.00	0.00	C
ATOM	628	N9	A B	2	3.637	-30.974	71.161	1.00	0.00	N
ATOM	629	C2'	A B	2	5.380	-31.628	69.459	1.00	0.00	C
ATOM	630	C3'	A B	2	5.306	-31.452	67.951	1.00	0.00	C
ATOM	631	O3'	A B	2	6.192	-30.406	67.558	1.00	0.00	O
ATOM	632	C4'	A B	2	3.840	-31.083	67.724	1.00	0.00	C
ATOM	633	O4'	A B	2	3.471	-30.318	68.916	1.00	0.00	O
ATOM	634	C5'	A B	2	2.874	-32.234	67.569	1.00	0.00	C
ATOM	635	O5'	A B	2	3.262	-33.321	68.446	1.00	0.00	O
ATOM	636	H2	A B	2	3.263	-27.329	73.658	1.00	0.00	H
ATOM	637	H8	A B	2	3.259	-33.084	70.830	1.00	0.00	H
ATOM	638	H1'	A B	2	4.920	-29.633	70.172	1.00	0.00	H
ATOM	639	H3'	A B	2	5.568	-32.366	67.419	1.00	0.00	H
ATOM	640	H4'	A B	2	3.802	-30.491	66.810	1.00	0.00	H
ATOM	641	H61	A B	2	1.111	-30.478	76.042	1.00	0.00	H
ATOM	642	H62	A B	2	1.229	-31.984	75.091	1.00	0.00	H
ATOM	643	H2'1	A B	2	5.083	-32.634	69.756	1.00	0.00	H
ATOM	644	H2'2	A B	2	6.392	-31.462	69.828	1.00	0.00	H
ATOM	645	H5'1	A B	2	1.871	-31.895	67.825	1.00	0.00	H
ATOM	646	H5'2	A B	2	2.885	-32.572	66.534	1.00	0.00	H
ATOM	647	C1'	C B	3	7.590	-27.593	72.328	1.00	0.00	C
ATOM	648	N1	C B	3	6.990	-28.765	73.022	1.00	0.00	N
ATOM	649	C2	C B	3	6.390	-28.554	74.261	1.00	0.00	C
ATOM	650	O2	C B	3	6.379	-27.407	74.730	1.00	0.00	O
ATOM	651	N3	C B	3	5.838	-29.608	74.910	1.00	0.00	N
ATOM	652	C4	C B	3	5.867	-30.836	74.376	1.00	0.00	C
ATOM	653	N4	C B	3	5.309	-31.830	75.053	1.00	0.00	N
ATOM	654	C5	C B	3	6.483	-31.086	73.105	1.00	0.00	C
ATOM	655	C6	C B	3	7.028	-30.008	72.467	1.00	0.00	C
ATOM	656	C2'	C B	3	8.884	-27.911	71.592	1.00	0.00	C
ATOM	657	C3'	C B	3	8.782	-27.016	70.367	1.00	0.00	C
ATOM	658	O3'	C B	3	9.254	-25.712	70.700	1.00	0.00	O
ATOM	659	C4'	C B	3	7.284	-27.027	70.063	1.00	0.00	C
ATOM	660	O4'	C B	3	6.650	-27.130	71.378	1.00	0.00	O
ATOM	661	C5'	C B	3	6.785	-28.157	69.195	1.00	0.00	C
ATOM	662	O5'	C B	3	7.513	-29.372	69.505	1.00	0.00	O
ATOM	663	O1P	C B	3	8.798	-29.836	67.391	1.00	0.00	O
ATOM	664	O2P	C B	3	8.160	-31.727	68.913	1.00	0.00	O
ATOM	665	P	C B	3	7.812	-30.407	68.332	1.00	0.00	P
ATOM	666	H5	C B	3	6.515	-32.085	72.670	1.00	0.00	H
ATOM	667	H6	C B	3	7.500	-30.146	71.495	1.00	0.00	H
ATOM	668	H1'	C B	3	7.742	-26.802	73.063	1.00	0.00	H
ATOM	669	H3'	C B	3	9.356	-27.404	69.527	1.00	0.00	H
ATOM	670	H4'	C B	3	7.058	-26.091	69.552	1.00	0.00	H
ATOM	671	H41	C B	3	5.314	-32.785	74.663	1.00	0.00	H
ATOM	672	H42	C B	3	4.869	-31.650	75.968	1.00	0.00	H

ATOM	673	H2'1	C B	3	8.953	-28.961	71.310	1.00	0.00	H
ATOM	674	H2'2	C B	3	9.767	-27.672	72.186	1.00	0.00	H
ATOM	675	H5'1	C B	3	5.720	-28.308	69.382	1.00	0.00	H
ATOM	676	H5'2	C B	3	6.932	-27.897	68.149	1.00	0.00	H
ATOM	677	C1'	C B	4	9.546	-25.468	76.350	1.00	0.00	C
ATOM	678	N1	C B	4	9.366	-26.943	76.286	1.00	0.00	N
ATOM	679	C2	C B	4	8.705	-27.568	77.342	1.00	0.00	C
ATOM	680	O2	C B	4	8.297	-26.875	78.285	1.00	0.00	O
ATOM	681	N3	C B	4	8.531	-28.910	77.304	1.00	0.00	N
ATOM	682	C4	C B	4	8.985	-29.634	76.271	1.00	0.00	C
ATOM	683	N4	C B	4	8.784	-30.944	76.281	1.00	0.00	N
ATOM	684	C5	C B	4	9.672	-29.020	75.172	1.00	0.00	C
ATOM	685	C6	C B	4	9.832	-27.665	75.230	1.00	0.00	C
ATOM	686	C2'	C B	4	10.885	-24.988	75.808	1.00	0.00	C
ATOM	687	C3'	C B	4	10.508	-23.668	75.154	1.00	0.00	C
ATOM	688	O3'	C B	4	10.506	-22.640	76.141	1.00	0.00	O
ATOM	689	C4'	C B	4	9.110	-23.947	74.607	1.00	0.00	C
ATOM	690	O4'	C B	4	8.522	-24.876	75.574	1.00	0.00	O
ATOM	691	C5'	C B	4	9.039	-24.573	73.233	1.00	0.00	C
ATOM	692	O5'	C B	4	10.129	-25.513	73.065	1.00	0.00	O
ATOM	693	O1P	C B	4	11.536	-24.458	71.265	1.00	0.00	O
ATOM	694	O2P	C B	4	11.548	-26.948	71.569	1.00	0.00	O
ATOM	695	P	C B	4	10.785	-25.678	71.622	1.00	0.00	P
ATOM	696	H5	C B	4	10.050	-29.605	74.333	1.00	0.00	H
ATOM	697	H6	C B	4	10.342	-27.152	74.416	1.00	0.00	H
ATOM	698	H1'	C B	4	9.408	-25.152	77.385	1.00	0.00	H
ATOM	699	H3'	C B	4	11.197	-23.398	74.353	1.00	0.00	H
ATOM	700	H4'	C B	4	8.589	-22.990	74.564	1.00	0.00	H
ATOM	701	H41	C B	4	9.120	-31.524	75.498	1.00	0.00	H
ATOM	702	H42	C B	4	8.291	-31.384	77.074	1.00	0.00	H
ATOM	703	H2'1	C B	4	11.311	-25.682	75.085	1.00	0.00	H
ATOM	704	H2'2	C B	4	11.623	-24.844	76.598	1.00	0.00	H
ATOM	705	H5'1	C B	4	8.086	-25.090	73.124	1.00	0.00	H
ATOM	706	H5'2	C B	4	9.109	-23.789	72.480	1.00	0.00	H
ATOM	707	C1'	G B	5	10.589	-25.216	81.185	1.00	0.00	C
ATOM	708	N1	G B	5	10.160	-30.295	80.962	1.00	0.00	N
ATOM	709	C2	G B	5	9.695	-29.405	81.915	1.00	0.00	C
ATOM	710	N2	G B	5	9.030	-29.941	82.945	1.00	0.00	N
ATOM	711	N3	G B	5	9.879	-28.088	81.843	1.00	0.00	N
ATOM	712	C4	G B	5	10.580	-27.724	80.738	1.00	0.00	C
ATOM	713	C5	G B	5	11.086	-28.541	79.739	1.00	0.00	C
ATOM	714	C6	G B	5	10.888	-29.937	79.811	1.00	0.00	C
ATOM	715	O6	G B	5	11.257	-30.814	79.032	1.00	0.00	O
ATOM	716	N7	G B	5	11.747	-27.772	78.778	1.00	0.00	N
ATOM	717	C8	G B	5	11.620	-26.544	79.211	1.00	0.00	C
ATOM	718	N9	G B	5	10.925	-26.434	80.398	1.00	0.00	N
ATOM	719	C2'	G B	5	11.692	-24.168	81.194	1.00	0.00	C
ATOM	720	C3'	G B	5	10.898	-22.872	81.185	1.00	0.00	C
ATOM	721	O3'	G B	5	10.530	-22.538	82.521	1.00	0.00	O
ATOM	722	C4'	G B	5	9.688	-23.220	80.322	1.00	0.00	C
ATOM	723	O4'	G B	5	9.437	-24.633	80.607	1.00	0.00	O
ATOM	724	C5'	G B	5	9.854	-23.050	78.830	1.00	0.00	C
ATOM	725	O5'	G B	5	11.202	-23.417	78.443	1.00	0.00	O
ATOM	726	O1P	G B	5	12.194	-21.243	77.651	1.00	0.00	O

ATOM	727	O2P	G B	5	13.048	-23.418	76.738	1.00	0.00	O
ATOM	728	P	G B	5	11.897	-22.629	77.243	1.00	0.00	P
ATOM	729	H1	G B	5	9.958	-31.296	81.108	1.00	0.00	H
ATOM	730	H8	G B	5	12.030	-25.682	78.685	1.00	0.00	H
ATOM	731	H1'	G B	5	10.335	-25.525	82.199	1.00	0.00	H
ATOM	732	H21	G B	5	8.887	-30.960	82.993	1.00	0.00	H
ATOM	733	H3'	G B	5	11.466	-22.047	80.750	1.00	0.00	H
ATOM	734	H22	G B	5	8.660	-29.333	83.690	1.00	0.00	H
ATOM	735	H4'	G B	5	8.872	-22.571	80.641	1.00	0.00	H
ATOM	736	H2'1	G B	5	12.341	-24.242	80.320	1.00	0.00	H
ATOM	737	H2'2	G B	5	12.325	-24.240	82.079	1.00	0.00	H
ATOM	738	H5'1	G B	5	9.137	-23.688	78.315	1.00	0.00	H
ATOM	739	H5'2	G B	5	9.666	-22.011	78.565	1.00	0.00	H
ATOM	740	C1'	T B	6	11.389	-27.138	85.677	1.00	0.00	C
ATOM	741	N1	T B	6	12.125	-27.664	84.495	1.00	0.00	N
ATOM	742	C2	T B	6	12.105	-29.029	84.299	1.00	0.00	C
ATOM	743	O2	T B	6	11.520	-29.796	85.043	1.00	0.00	O
ATOM	744	N3	T B	6	12.801	-29.475	83.188	1.00	0.00	N
ATOM	745	C4	T B	6	13.497	-28.696	82.287	1.00	0.00	C
ATOM	746	O4	T B	6	14.085	-29.210	81.330	1.00	0.00	O
ATOM	747	C5	T B	6	13.457	-27.282	82.577	1.00	0.00	C
ATOM	748	C6	T B	6	12.790	-26.813	83.648	1.00	0.00	C
ATOM	749	C7	T B	6	14.200	-26.397	81.619	1.00	0.00	C
ATOM	750	C2'	T B	6	12.087	-25.971	86.364	1.00	0.00	C
ATOM	751	C3'	T B	6	10.910	-25.114	86.806	1.00	0.00	C
ATOM	752	O3'	T B	6	10.422	-25.598	88.056	1.00	0.00	O
ATOM	753	C4'	T B	6	9.903	-25.310	85.677	1.00	0.00	C
ATOM	754	O4'	T B	6	10.124	-26.687	85.232	1.00	0.00	O
ATOM	755	C5'	T B	6	10.039	-24.391	84.486	1.00	0.00	C
ATOM	756	O5'	T B	6	11.442	-24.133	84.225	1.00	0.00	O
ATOM	757	O1P	T B	6	11.682	-21.675	84.714	1.00	0.00	O
ATOM	758	O2P	T B	6	13.225	-22.786	83.077	1.00	0.00	O
ATOM	759	P	T B	6	11.868	-22.700	83.668	1.00	0.00	P
ATOM	760	H3	T B	6	12.799	-30.491	83.018	1.00	0.00	H
ATOM	761	H6	T B	6	12.776	-25.740	83.844	1.00	0.00	H
ATOM	762	H1'	T B	6	11.227	-27.960	86.372	1.00	0.00	H
ATOM	763	H3'	T B	6	11.186	-24.065	86.909	1.00	0.00	H
ATOM	764	H4'	T B	6	8.912	-25.155	86.105	1.00	0.00	H
ATOM	765	H71	T B	6	15.037	-25.927	82.133	1.00	0.00	H
ATOM	766	H72	T B	6	14.571	-26.993	80.786	1.00	0.00	H
ATOM	767	H73	T B	6	13.527	-25.625	81.241	1.00	0.00	H
ATOM	768	H2'1	T B	6	12.743	-25.426	85.688	1.00	0.00	H
ATOM	769	H2'2	T B	6	12.686	-26.292	87.217	1.00	0.00	H
ATOM	770	H5'1	T B	6	9.584	-24.861	83.615	1.00	0.00	H
ATOM	771	H5'2	T B	6	9.526	-23.454	84.698	1.00	0.00	H
ATOM	772	C1'	C B	7	12.719	-30.785	88.773	1.00	0.00	C
ATOM	773	N1	C B	7	13.611	-30.385	87.648	1.00	0.00	N
ATOM	774	C2	C B	7	14.083	-31.387	86.803	1.00	0.00	C
ATOM	775	O2	C B	7	13.744	-32.559	87.017	1.00	0.00	O
ATOM	776	N3	C B	7	14.895	-31.044	85.773	1.00	0.00	N
ATOM	777	C4	C B	7	15.244	-29.767	85.568	1.00	0.00	C
ATOM	778	N4	C B	7	16.038	-29.490	84.545	1.00	0.00	N
ATOM	779	C5	C B	7	14.778	-28.716	86.424	1.00	0.00	C
ATOM	780	C6	C B	7	13.956	-29.086	87.451	1.00	0.00	C

ATOM	781	C2'	C B	7	12.959	-30.002	90.055	1.00	0.00	C
ATOM	782	C3'	C B	7	11.552	-29.879	90.619	1.00	0.00	C
ATOM	783	O3'	C B	7	11.241	-31.056	91.360	1.00	0.00	O
ATOM	784	C4'	C B	7	10.693	-29.742	89.364	1.00	0.00	C
ATOM	785	O4'	C B	7	11.383	-30.557	88.365	1.00	0.00	O
ATOM	786	C5'	C B	7	10.523	-28.344	88.815	1.00	0.00	C
ATOM	787	O5'	C B	7	11.755	-27.598	88.986	1.00	0.00	O
ATOM	788	O1P	C B	7	11.122	-25.800	90.631	1.00	0.00	O
ATOM	789	O2P	C B	7	12.981	-25.405	88.994	1.00	0.00	O
ATOM	790	P	C B	7	11.669	-26.032	89.279	1.00	0.00	P
ATOM	791	H5	C B	7	15.065	-27.678	86.264	1.00	0.00	H
ATOM	792	H6	C B	7	13.569	-28.321	88.126	1.00	0.00	H
ATOM	793	H1'	C B	7	12.841	-31.856	88.939	1.00	0.00	H
ATOM	794	H3'	C B	7	11.447	-29.006	91.265	1.00	0.00	H
ATOM	795	H4'	C B	7	9.704	-30.122	89.615	1.00	0.00	H
ATOM	796	H41	C B	7	16.319	-28.515	84.362	1.00	0.00	H
ATOM	797	H42	C B	7	16.374	-30.246	83.931	1.00	0.00	H
ATOM	798	H2'1	C B	7	13.398	-29.022	89.866	1.00	0.00	H
ATOM	799	H2'2	C B	7	13.620	-30.528	90.744	1.00	0.00	H
ATOM	800	H5'1	C B	7	10.273	-28.405	87.755	1.00	0.00	H
ATOM	801	H5'2	C B	7	9.715	-27.847	89.348	1.00	0.00	H
ATOM	802	C1'	C B	8	15.137	-34.932	89.992	1.00	0.00	C
ATOM	803	N1	C B	8	15.862	-33.786	89.377	1.00	0.00	N
ATOM	804	C2	C B	8	16.662	-34.040	88.265	1.00	0.00	C
ATOM	805	O2	C B	8	16.736	-35.199	87.836	1.00	0.00	O
ATOM	806	N3	C B	8	17.329	-33.011	87.691	1.00	0.00	N
ATOM	807	C4	C B	8	17.229	-31.767	88.178	1.00	0.00	C
ATOM	808	N4	C B	8	17.902	-30.797	87.575	1.00	0.00	N
ATOM	809	C5	C B	8	16.418	-31.475	89.325	1.00	0.00	C
ATOM	810	C6	C B	8	15.750	-32.529	89.884	1.00	0.00	C
ATOM	811	C2'	C B	8	15.073	-34.874	91.512	1.00	0.00	C
ATOM	812	C3'	C B	8	13.697	-35.457	91.794	1.00	0.00	C
ATOM	813	O3'	C B	8	13.789	-36.879	91.821	1.00	0.00	O
ATOM	814	C4'	C B	8	12.867	-34.954	90.615	1.00	0.00	C
ATOM	815	O4'	C B	8	13.812	-34.916	89.497	1.00	0.00	O
ATOM	816	C5'	C B	8	12.244	-33.587	90.766	1.00	0.00	C
ATOM	817	O5'	C B	8	13.146	-32.715	91.495	1.00	0.00	O
ATOM	818	O1P	C B	8	11.910	-32.262	93.641	1.00	0.00	O
ATOM	819	O2P	C B	8	13.556	-30.585	92.761	1.00	0.00	O
ATOM	820	P	C B	8	12.529	-31.614	92.467	1.00	0.00	P
ATOM	821	H5	C B	8	16.338	-30.467	89.730	1.00	0.00	H
ATOM	822	H6	C B	8	15.115	-32.355	90.753	1.00	0.00	H
ATOM	823	H1'	C B	8	15.611	-35.854	89.656	1.00	0.00	H
ATOM	824	H3'	C B	8	13.290	-35.103	92.741	1.00	0.00	H
ATOM	825	H4'	C B	8	12.059	-35.671	90.467	1.00	0.00	H
ATOM	826	H41	C B	8	17.839	-29.831	87.929	1.00	0.00	H
ATOM	827	H42	C B	8	18.485	-31.009	86.753	1.00	0.00	H
ATOM	828	H2'1	C B	8	15.158	-33.856	91.891	1.00	0.00	H
ATOM	829	H2'2	C B	8	15.859	-35.465	91.982	1.00	0.00	H
ATOM	830	H5'1	C B	8	12.049	-33.169	89.778	1.00	0.00	H
ATOM	831	H5'2	C B	8	11.305	-33.679	91.308	1.00	0.00	H
ATOM	832	C1'	T B	9	18.780	-38.254	89.560	1.00	0.00	C
ATOM	833	N1	T B	9	19.098	-36.807	89.687	1.00	0.00	N
ATOM	834	C2	T B	9	19.954	-36.266	88.749	1.00	0.00	C

ATOM	835	O2	T B	9	20.443	-36.923	87.846	1.00	0.00	O
ATOM	836	N3	T B	9	20.222	-34.919	88.903	1.00	0.00	N
ATOM	837	C4	T B	9	19.727	-34.090	89.887	1.00	0.00	C
ATOM	838	O4	T B	9	20.042	-32.895	89.926	1.00	0.00	O
ATOM	839	C5	T B	9	18.841	-34.745	90.820	1.00	0.00	C
ATOM	840	C6	T B	9	18.556	-36.056	90.700	1.00	0.00	C
ATOM	841	C7	T B	9	18.276	-33.878	91.906	1.00	0.00	C
ATOM	842	C2'	T B	9	18.665	-38.978	90.898	1.00	0.00	C
ATOM	843	C3'	T B	9	17.553	-39.978	90.622	1.00	0.00	C
ATOM	844	O3'	T B	9	18.110	-41.139	90.009	1.00	0.00	O
ATOM	845	C4'	T B	9	16.631	-39.211	89.679	1.00	0.00	C
ATOM	846	O4'	T B	9	17.536	-38.368	88.897	1.00	0.00	O
ATOM	847	C5'	T B	9	15.587	-38.331	90.327	1.00	0.00	C
ATOM	848	O5'	T B	9	16.134	-37.726	91.525	1.00	0.00	O
ATOM	849	O1P	T B	9	14.770	-38.755	93.372	1.00	0.00	O
ATOM	850	O2P	T B	9	15.788	-36.482	93.681	1.00	0.00	O
ATOM	851	P	T B	9	15.165	-37.468	92.765	1.00	0.00	P
ATOM	852	H3	T B	9	20.856	-34.491	88.213	1.00	0.00	H
ATOM	853	H6	T B	9	17.885	-36.528	91.417	1.00	0.00	H
ATOM	854	H1'	T B	9	19.538	-38.719	88.930	1.00	0.00	H
ATOM	855	H3'	T B	9	17.032	-40.268	91.535	1.00	0.00	H
ATOM	856	H4'	T B	9	16.110	-39.954	89.072	1.00	0.00	H
ATOM	857	H71	T B	9	18.657	-34.211	92.872	1.00	0.00	H
ATOM	858	H72	T B	9	18.569	-32.842	91.736	1.00	0.00	H
ATOM	859	H73	T B	9	17.187	-33.953	91.901	1.00	0.00	H
ATOM	860	H2'1	T B	9	18.399	-38.303	91.710	1.00	0.00	H
ATOM	861	H2'2	T B	9	19.591	-39.479	91.177	1.00	0.00	H
ATOM	862	H5'1	T B	9	15.287	-37.554	89.624	1.00	0.00	H
ATOM	863	H5'2	T B	9	14.720	-38.936	90.583	1.00	0.00	H
ATOM	864	C1'	A B	10	23.355	-39.701	88.291	1.00	0.00	C
ATOM	865	N1	A B	10	24.496	-34.740	88.937	1.00	0.00	N
ATOM	866	C2	A B	10	24.847	-35.630	88.013	1.00	0.00	C
ATOM	867	N3	A B	10	24.512	-36.898	87.905	1.00	0.00	N
ATOM	868	C4	A B	10	23.704	-37.255	88.919	1.00	0.00	C
ATOM	869	C5	A B	10	23.255	-36.468	89.942	1.00	0.00	C
ATOM	870	C6	A B	10	23.688	-35.126	89.936	1.00	0.00	C
ATOM	871	N6	A B	10	23.328	-34.236	90.878	1.00	0.00	N
ATOM	872	N7	A B	10	22.437	-37.182	90.801	1.00	0.00	N
ATOM	873	C8	A B	10	22.414	-38.376	90.286	1.00	0.00	C
ATOM	874	N9	A B	10	23.158	-38.496	89.141	1.00	0.00	N
ATOM	875	C2'	A B	10	23.462	-40.997	89.083	1.00	0.00	C
ATOM	876	C3'	A B	10	22.767	-41.990	88.165	1.00	0.00	C
ATOM	877	O3'	A B	10	23.698	-42.465	87.196	1.00	0.00	O
ATOM	878	C4'	A B	10	21.657	-41.147	87.533	1.00	0.00	C
ATOM	879	O4'	A B	10	22.237	-39.807	87.430	1.00	0.00	O
ATOM	880	C5'	A B	10	20.363	-41.056	88.307	1.00	0.00	C
ATOM	881	O5'	A B	10	20.642	-41.013	89.730	1.00	0.00	O
ATOM	882	O1P	A B	10	19.671	-43.174	90.578	1.00	0.00	O
ATOM	883	O2P	A B	10	19.846	-41.192	92.106	1.00	0.00	O
ATOM	884	P	A B	10	19.617	-41.708	90.734	1.00	0.00	P
ATOM	885	H2	A B	10	25.507	-35.254	87.232	1.00	0.00	H
ATOM	886	H8	A B	10	21.857	-39.204	90.725	1.00	0.00	H
ATOM	887	H1'	A B	10	24.240	-39.544	87.676	1.00	0.00	H
ATOM	888	H3'	A B	10	22.352	-42.835	88.715	1.00	0.00	H

ATOM	889	H4'	A B	10	21.437	-41.592	86.564	1.00	0.00	H
ATOM	890	H61	A B	10	23.670	-33.266	90.825	1.00	0.00	H
ATOM	891	H62	A B	10	22.709	-34.523	91.649	1.00	0.00	H
ATOM	892	H2'1	A B	10	22.964	-40.936	90.049	1.00	0.00	H
ATOM	893	H2'2	A B	10	24.499	-41.286	89.265	1.00	0.00	H
ATOM	894	H5'1	A B	10	19.832	-40.152	88.009	1.00	0.00	H
ATOM	895	H5'2	A B	10	19.748	-41.924	88.079	1.00	0.00	H
ATOM	896	C1'	G B	11	28.173	-38.920	87.384	1.00	0.00	C
ATOM	897	N1	G B	11	27.542	-34.919	90.485	1.00	0.00	N
ATOM	898	C2	G B	11	28.237	-35.017	89.292	1.00	0.00	C
ATOM	899	N2	G B	11	28.845	-33.901	88.870	1.00	0.00	N
ATOM	900	N3	G B	11	28.316	-36.138	88.576	1.00	0.00	N
ATOM	901	C4	G B	11	27.646	-37.168	89.157	1.00	0.00	C
ATOM	902	C5	G B	11	26.933	-37.165	90.343	1.00	0.00	C
ATOM	903	C6	G B	11	26.844	-35.974	91.102	1.00	0.00	C
ATOM	904	O6	G B	11	26.264	-35.776	92.169	1.00	0.00	O
ATOM	905	N7	G B	11	26.396	-38.430	90.587	1.00	0.00	N
ATOM	906	C8	G B	11	26.789	-39.145	89.563	1.00	0.00	C
ATOM	907	N9	G B	11	27.555	-38.447	88.652	1.00	0.00	N
ATOM	908	C2'	G B	11	28.713	-40.341	87.456	1.00	0.00	C
ATOM	909	C3'	G B	11	28.419	-40.865	86.060	1.00	0.00	C
ATOM	910	O3'	G B	11	29.473	-40.476	85.183	1.00	0.00	O
ATOM	911	C4'	G B	11	27.097	-40.183	85.712	1.00	0.00	C
ATOM	912	O4'	G B	11	27.177	-38.883	86.379	1.00	0.00	O
ATOM	913	C5'	G B	11	25.839	-40.884	86.168	1.00	0.00	C
ATOM	914	O5'	G B	11	26.065	-41.506	87.457	1.00	0.00	O
ATOM	915	O1P	G B	11	25.892	-43.966	86.957	1.00	0.00	O
ATOM	916	O2P	G B	11	25.341	-43.111	89.250	1.00	0.00	O
ATOM	917	P	G B	11	25.330	-42.883	87.785	1.00	0.00	P
ATOM	918	H1	G B	11	27.537	-34.002	90.957	1.00	0.00	H
ATOM	919	H8	G B	11	26.535	-40.197	89.443	1.00	0.00	H
ATOM	920	H1'	G B	11	28.957	-38.216	87.102	1.00	0.00	H
ATOM	921	H21	G B	11	28.776	-33.037	89.427	1.00	0.00	H
ATOM	922	H3'	G B	11	28.317	-41.951	86.044	1.00	0.00	H
ATOM	923	H22	G B	11	29.381	-33.908	87.991	1.00	0.00	H
ATOM	924	H4'	G B	11	27.059	-40.102	84.626	1.00	0.00	H
ATOM	925	H2'1	G B	11	28.208	-40.936	88.218	1.00	0.00	H
ATOM	926	H2'2	G B	11	29.782	-40.366	87.674	1.00	0.00	H
ATOM	927	H5'1	G B	11	25.032	-40.156	86.245	1.00	0.00	H
ATOM	928	H5'2	G B	11	25.569	-41.643	85.434	1.00	0.00	H
ATOM	929	C1'	G B	12	32.456	-36.480	87.858	1.00	0.00	C
ATOM	930	N1	G B	12	30.448	-34.967	92.297	1.00	0.00	N
ATOM	931	C2	G B	12	31.158	-34.248	91.350	1.00	0.00	C
ATOM	932	N2	G B	12	31.360	-32.952	91.625	1.00	0.00	N
ATOM	933	N3	G B	12	31.625	-34.777	90.223	1.00	0.00	N
ATOM	934	C4	G B	12	31.335	-36.099	90.114	1.00	0.00	C
ATOM	935	C5	G B	12	30.640	-36.898	91.004	1.00	0.00	C
ATOM	936	C6	G B	12	30.138	-36.337	92.201	1.00	0.00	C
ATOM	937	O6	G B	12	29.505	-36.878	93.106	1.00	0.00	O
ATOM	938	N7	G B	12	30.558	-38.205	90.520	1.00	0.00	N
ATOM	939	C8	G B	12	31.189	-38.159	89.375	1.00	0.00	C
ATOM	940	N9	G B	12	31.691	-36.912	89.059	1.00	0.00	N
ATOM	941	C2'	G B	12	33.445	-37.522	87.354	1.00	0.00	C
ATOM	942	C3'	G B	12	33.373	-37.327	85.847	1.00	0.00	C

ATOM	943	O3'	G	B	12	34.250	-36.268	85.471	1.00	0.00	O
ATOM	944	C4'	G	B	12	31.905	-36.969	85.622	1.00	0.00	C
ATOM	945	O4'	G	B	12	31.527	-36.225	86.822	1.00	0.00	O
ATOM	946	C5'	G	B	12	30.951	-38.127	85.450	1.00	0.00	C
ATOM	947	O5'	G	B	12	31.348	-39.222	86.312	1.00	0.00	O
ATOM	948	O1P	G	B	12	32.029	-41.022	84.691	1.00	0.00	O
ATOM	949	O2P	G	B	12	31.179	-41.642	86.967	1.00	0.00	O
ATOM	950	P	G	B	12	31.117	-40.718	85.809	1.00	0.00	P
ATOM	951	H1	G	B	12	30.123	-34.461	93.136	1.00	0.00	H
ATOM	952	H8	G	B	12	31.310	-39.026	88.726	1.00	0.00	H
ATOM	953	H1'	G	B	12	32.961	-35.544	88.093	1.00	0.00	H
ATOM	954	H21	G	B	12	30.991	-32.549	92.500	1.00	0.00	H
ATOM	955	H3'	G	B	12	33.645	-38.231	85.304	1.00	0.00	H
ATOM	956	H22	G	B	12	31.882	-32.363	90.964	1.00	0.00	H
ATOM	957	H4'	G	B	12	31.862	-36.365	84.716	1.00	0.00	H
ATOM	958	H2'1	G	B	12	33.158	-38.536	87.636	1.00	0.00	H
ATOM	959	H2'2	G	B	12	34.454	-37.352	87.728	1.00	0.00	H
ATOM	960	H5'1	G	B	12	29.943	-37.802	85.708	1.00	0.00	H
ATOM	961	H5'2	G	B	12	30.968	-38.452	84.409	1.00	0.00	H
ATOM	962	C1'	T	B	13	35.661	-33.519	90.194	1.00	0.00	C
ATOM	963	N1	T	B	13	35.058	-34.677	90.905	1.00	0.00	N
ATOM	964	C2	T	B	13	34.472	-34.428	92.131	1.00	0.00	C
ATOM	965	O2	T	B	13	34.439	-33.318	92.631	1.00	0.00	O
ATOM	966	N3	T	B	13	33.922	-35.531	92.756	1.00	0.00	N
ATOM	967	C4	T	B	13	33.909	-36.826	92.279	1.00	0.00	C
ATOM	968	O4	T	B	13	33.388	-37.737	92.934	1.00	0.00	O
ATOM	969	C5	T	B	13	34.543	-36.987	90.992	1.00	0.00	C
ATOM	970	C6	T	B	13	35.089	-35.933	90.353	1.00	0.00	C
ATOM	971	C7	T	B	13	34.551	-38.378	90.432	1.00	0.00	C
ATOM	972	C2'	T	B	13	36.951	-33.856	89.455	1.00	0.00	C
ATOM	973	C3'	T	B	13	36.849	-32.976	88.220	1.00	0.00	C
ATOM	974	O3'	T	B	13	37.335	-31.673	88.534	1.00	0.00	O
ATOM	975	C4'	T	B	13	35.351	-32.978	87.923	1.00	0.00	C
ATOM	976	O4'	T	B	13	34.722	-33.059	89.242	1.00	0.00	O
ATOM	977	C5'	T	B	13	34.837	-34.116	87.072	1.00	0.00	C
ATOM	978	O5'	T	B	13	35.558	-35.333	87.393	1.00	0.00	O
ATOM	979	O1P	T	B	13	36.830	-35.833	85.282	1.00	0.00	O
ATOM	980	O2P	T	B	13	36.184	-37.700	86.829	1.00	0.00	O
ATOM	981	P	T	B	13	35.844	-36.385	86.231	1.00	0.00	P
ATOM	982	H3	T	B	13	33.477	-35.371	93.671	1.00	0.00	H
ATOM	983	H6	T	B	13	35.562	-36.080	89.382	1.00	0.00	H
ATOM	984	H1'	T	B	13	35.824	-32.719	90.917	1.00	0.00	H
ATOM	985	H3'	T	B	13	37.417	-33.380	87.383	1.00	0.00	H
ATOM	986	H4'	T	B	13	35.131	-32.047	87.400	1.00	0.00	H
ATOM	987	H71	T	B	13	35.576	-38.744	90.377	1.00	0.00	H
ATOM	988	H72	T	B	13	33.966	-39.034	91.080	1.00	0.00	H
ATOM	989	H73	T	B	13	34.113	-38.373	89.433	1.00	0.00	H
ATOM	990	H2'1	T	B	13	37.010	-34.910	89.187	1.00	0.00	H
ATOM	991	H2'2	T	B	13	37.839	-33.617	90.041	1.00	0.00	H
ATOM	992	H5'1	T	B	13	33.774	-34.254	87.263	1.00	0.00	H
ATOM	993	H5'2	T	B	13	34.983	-33.870	86.021	1.00	0.00	H
ATOM	994	C1'	G	B	14	37.606	-31.394	94.238	1.00	0.00	C
ATOM	995	N1	G	B	14	35.723	-35.492	96.622	1.00	0.00	N
ATOM	996	C2	G	B	14	35.715	-34.162	97.003	1.00	0.00	C

ATOM	997	N2	G B	14	35.131	-33.886	98.174	1.00	0.00	N
ATOM	998	N3	G B	14	36.249	-33.184	96.271	1.00	0.00	N
ATOM	999	C4	G B	14	36.803	-33.645	95.119	1.00	0.00	C
ATOM	1000	C5	G B	14	36.863	-34.950	94.661	1.00	0.00	C
ATOM	1001	C6	G B	14	36.294	-35.988	95.434	1.00	0.00	C
ATOM	1002	O6	G B	14	36.247	-37.196	95.198	1.00	0.00	O
ATOM	1003	N7	G B	14	37.522	-35.001	93.430	1.00	0.00	N
ATOM	1004	C8	G B	14	37.832	-33.753	93.187	1.00	0.00	C
ATOM	1005	N9	G B	14	37.430	-32.870	94.169	1.00	0.00	N
ATOM	1006	C2'	G B	14	38.943	-30.909	93.693	1.00	0.00	C
ATOM	1007	C3'	G B	14	38.562	-29.588	93.045	1.00	0.00	C
ATOM	1008	O3'	G B	14	38.559	-28.564	94.037	1.00	0.00	O
ATOM	1009	C4'	G B	14	37.163	-29.869	92.500	1.00	0.00	C
ATOM	1010	O4'	G B	14	36.581	-30.800	93.466	1.00	0.00	O
ATOM	1011	C5'	G B	14	37.089	-30.488	91.124	1.00	0.00	C
ATOM	1012	O5'	G B	14	38.180	-31.426	90.950	1.00	0.00	O
ATOM	1013	O1P	G B	14	39.581	-30.362	89.150	1.00	0.00	O
ATOM	1014	O2P	G B	14	39.598	-32.854	89.445	1.00	0.00	O
ATOM	1015	P	G B	14	38.833	-31.584	89.504	1.00	0.00	P
ATOM	1016	H1	G B	14	35.277	-36.171	97.258	1.00	0.00	H
ATOM	1017	H8	G B	14	38.362	-33.439	92.287	1.00	0.00	H
ATOM	1018	H1'	G B	14	37.469	-31.081	95.274	1.00	0.00	H
ATOM	1019	H21	G B	14	34.717	-34.649	98.733	1.00	0.00	H
ATOM	1020	H3'	G B	14	39.248	-29.314	92.243	1.00	0.00	H
ATOM	1021	H22	G B	14	35.094	-32.916	98.517	1.00	0.00	H
ATOM	1022	H4'	G B	14	36.640	-28.912	92.463	1.00	0.00	H
ATOM	1023	H2'1	G B	14	39.368	-31.600	92.965	1.00	0.00	H
ATOM	1024	H2'2	G B	14	39.683	-30.766	94.481	1.00	0.00	H
ATOM	1025	H5'1	G B	14	36.138	-31.006	91.016	1.00	0.00	H
ATOM	1026	H5'2	G B	14	37.156	-29.701	90.374	1.00	0.00	H
ATOM	1027	C1'	C B	15	38.649	-31.142	99.073	1.00	0.00	C
ATOM	1028	N1	C B	15	38.981	-32.362	98.289	1.00	0.00	N
ATOM	1029	C2	C B	15	38.551	-33.592	98.783	1.00	0.00	C
ATOM	1030	O2	C B	15	37.914	-33.619	99.845	1.00	0.00	O
ATOM	1031	N3	C B	15	38.843	-34.716	98.085	1.00	0.00	N
ATOM	1032	C4	C B	15	39.534	-34.655	96.940	1.00	0.00	C
ATOM	1033	N4	C B	15	39.789	-35.784	96.296	1.00	0.00	N
ATOM	1034	C5	C B	15	39.994	-33.404	96.409	1.00	0.00	C
ATOM	1035	C6	C B	15	39.683	-32.285	97.127	1.00	0.00	C
ATOM	1036	C2'	C B	15	39.756	-30.098	99.082	1.00	0.00	C
ATOM	1037	C3'	C B	15	38.967	-28.796	99.067	1.00	0.00	C
ATOM	1038	O3'	C B	15	38.596	-28.458	100.403	1.00	0.00	O
ATOM	1039	C4'	C B	15	37.756	-29.145	98.203	1.00	0.00	C
ATOM	1040	O4'	C B	15	37.499	-30.556	98.490	1.00	0.00	O
ATOM	1041	C5'	C B	15	37.928	-28.979	96.710	1.00	0.00	C
ATOM	1042	O5'	C B	15	39.275	-29.350	96.328	1.00	0.00	O
ATOM	1043	O1P	C B	15	40.277	-27.182	95.533	1.00	0.00	O
ATOM	1044	O2P	C B	15	41.126	-29.362	94.626	1.00	0.00	O
ATOM	1045	P	C B	15	39.976	-28.570	95.127	1.00	0.00	P
ATOM	1046	H5	C B	15	40.562	-33.350	95.481	1.00	0.00	H
ATOM	1047	H6	C B	15	40.006	-31.310	96.761	1.00	0.00	H
ATOM	1048	H1'	C B	15	38.392	-31.447	100.088	1.00	0.00	H
ATOM	1049	H3'	C B	15	39.538	-27.977	98.632	1.00	0.00	H
ATOM	1050	H4'	C B	15	36.944	-28.490	98.518	1.00	0.00	H

ATOM	1051	H41	C	B	15	40.316	-35.766	95.411	1.00	0.00	H
ATOM	1052	H42	C	B	15	39.459	-36.683	96.680	1.00	0.00	H
ATOM	1053	H2'1	C	B	15	40.406	-30.176	98.211	1.00	0.00	H
ATOM	1054	H2'2	C	B	15	40.386	-30.169	99.968	1.00	0.00	H
ATOM	1055	H5'1	C	B	15	37.209	-29.616	96.195	1.00	0.00	H
ATOM	1056	H5'2	C	B	15	37.743	-27.939	96.442	1.00	0.00	H
ATOM	1057	C1'	G	B	16	39.452	-33.086	103.555	1.00	0.00	C
ATOM	1058	N1	G	B	16	40.774	-37.233	100.895	1.00	0.00	N
ATOM	1059	C2	G	B	16	40.018	-37.121	102.048	1.00	0.00	C
ATOM	1060	N2	G	B	16	39.552	-38.268	102.561	1.00	0.00	N
ATOM	1061	N3	G	B	16	39.746	-35.960	102.641	1.00	0.00	N
ATOM	1062	C4	G	B	16	40.301	-34.906	101.989	1.00	0.00	C
ATOM	1063	C5	G	B	16	41.073	-34.922	100.839	1.00	0.00	C
ATOM	1064	C6	G	B	16	41.359	-36.154	100.207	1.00	0.00	C
ATOM	1065	O6	G	B	16	42.019	-36.369	99.189	1.00	0.00	O
ATOM	1066	N7	G	B	16	41.453	-33.623	100.494	1.00	0.00	N
ATOM	1067	C8	G	B	16	40.910	-32.877	101.423	1.00	0.00	C
ATOM	1068	N9	G	B	16	40.195	-33.585	102.367	1.00	0.00	N
ATOM	1069	C2'	G	B	16	40.135	-31.923	104.262	1.00	0.00	C
ATOM	1070	C3'	G	B	16	38.949	-31.086	104.715	1.00	0.00	C
ATOM	1071	O3'	G	B	16	38.464	-31.595	105.955	1.00	0.00	O
ATOM	1072	C4'	G	B	16	37.945	-31.277	103.581	1.00	0.00	C
ATOM	1073	O4'	G	B	16	38.182	-32.645	103.116	1.00	0.00	O
ATOM	1074	C5'	G	B	16	38.073	-30.338	102.405	1.00	0.00	C
ATOM	1075	O5'	G	B	16	39.472	-30.059	102.151	1.00	0.00	O
ATOM	1076	O1P	G	B	16	39.683	-27.607	102.676	1.00	0.00	O
ATOM	1077	O2P	G	B	16	41.241	-28.675	101.026	1.00	0.00	O
ATOM	1078	P	G	B	16	39.882	-28.613	101.617	1.00	0.00	P
ATOM	1079	H1	G	B	16	40.921	-38.180	100.512	1.00	0.00	H
ATOM	1080	H8	G	B	16	41.013	-31.793	101.448	1.00	0.00	H
ATOM	1081	H1'	G	B	16	39.298	-33.923	104.238	1.00	0.00	H
ATOM	1082	H21	G	B	16	39.764	-39.162	102.095	1.00	0.00	H
ATOM	1083	H3'	G	B	16	39.212	-30.035	104.835	1.00	0.00	H
ATOM	1084	H22	G	B	16	38.984	-38.252	103.420	1.00	0.00	H
ATOM	1085	H4'	G	B	16	36.952	-31.140	104.010	1.00	0.00	H
ATOM	1086	H2'1	G	B	16	40.787	-31.359	103.595	1.00	0.00	H
ATOM	1087	H2'2	G	B	16	40.737	-32.250	105.110	1.00	0.00	H
ATOM	1088	H5'1	G	B	16	37.623	-30.800	101.527	1.00	0.00	H
ATOM	1089	H5'2	G	B	16	37.547	-29.410	102.631	1.00	0.00	H
ATOM	1090	C1'	G	B	17	40.780	-36.710	106.659	1.00	0.00	C
ATOM	1091	N1	G	B	17	43.480	-38.369	102.661	1.00	0.00	N
ATOM	1092	C2	G	B	17	42.708	-39.076	103.567	1.00	0.00	C
ATOM	1093	N2	G	B	17	42.649	-40.400	103.383	1.00	0.00	N
ATOM	1094	N3	G	B	17	42.048	-38.506	104.572	1.00	0.00	N
ATOM	1095	C4	G	B	17	42.227	-37.160	104.610	1.00	0.00	C
ATOM	1096	C5	G	B	17	42.979	-36.373	103.756	1.00	0.00	C
ATOM	1097	C6	G	B	17	43.677	-36.976	102.686	1.00	0.00	C
ATOM	1098	O6	G	B	17	44.390	-36.451	101.829	1.00	0.00	O
ATOM	1099	N7	G	B	17	42.902	-35.032	104.139	1.00	0.00	N
ATOM	1100	C8	G	B	17	42.122	-35.049	105.189	1.00	0.00	C
ATOM	1101	N9	G	B	17	41.672	-36.305	105.538	1.00	0.00	N
ATOM	1102	C2'	G	B	17	41.015	-35.927	107.943	1.00	0.00	C
ATOM	1103	C3'	G	B	17	39.607	-35.810	108.505	1.00	0.00	C
ATOM	1104	O3'	G	B	17	39.300	-36.989	109.245	1.00	0.00	O

ATOM	1105	C4'	G B	17	38.749	-35.676	107.249	1.00	0.00	C
ATOM	1106	O4'	G B	17	39.444	-36.487	106.250	1.00	0.00	O
ATOM	1107	C5'	G B	17	38.574	-34.280	106.702	1.00	0.00	C
ATOM	1108	O5'	G B	17	39.801	-33.528	106.874	1.00	0.00	O
ATOM	1109	O1P	G B	17	39.157	-31.735	108.520	1.00	0.00	O
ATOM	1110	O2P	G B	17	41.017	-31.328	106.885	1.00	0.00	O
ATOM	1111	P	G B	17	39.706	-31.962	107.170	1.00	0.00	P
ATOM	1112	H1	G B	17	43.947	-38.905	101.913	1.00	0.00	H
ATOM	1113	H8	G B	17	41.851	-34.148	105.740	1.00	0.00	H
ATOM	1114	H1'	G B	17	40.906	-37.779	106.825	1.00	0.00	H
ATOM	1115	H21	G B	17	43.160	-40.835	102.600	1.00	0.00	H
ATOM	1116	H3'	G B	17	39.496	-34.939	109.152	1.00	0.00	H
ATOM	1117	H22	G B	17	42.093	-40.983	104.024	1.00	0.00	H
ATOM	1118	H4'	G B	17	37.761	-36.062	107.498	1.00	0.00	H
ATOM	1119	H2'1	G B	17	41.449	-34.944	107.754	1.00	0.00	H
ATOM	1120	H2'2	G B	17	41.676	-36.450	108.632	1.00	0.00	H
ATOM	1121	H5'1	G B	17	38.324	-34.339	105.642	1.00	0.00	H
ATOM	1122	H5'2	G B	17	37.761	-33.786	107.233	1.00	0.00	H
ATOM	1123	C1'	C B	18	43.198	-40.857	107.879	1.00	0.00	C
ATOM	1124	N1	C B	18	43.922	-39.710	107.264	1.00	0.00	N
ATOM	1125	C2	C B	18	44.721	-39.965	106.151	1.00	0.00	C
ATOM	1126	O2	C B	18	44.796	-41.123	105.722	1.00	0.00	O
ATOM	1127	N3	C B	18	45.389	-38.935	105.578	1.00	0.00	N
ATOM	1128	C4	C B	18	45.287	-37.693	106.067	1.00	0.00	C
ATOM	1129	N4	C B	18	45.962	-36.723	105.465	1.00	0.00	N
ATOM	1130	C5	C B	18	44.476	-37.403	107.210	1.00	0.00	C
ATOM	1131	C6	C B	18	43.811	-38.454	107.769	1.00	0.00	C
ATOM	1132	C2'	C B	18	43.134	-40.799	109.399	1.00	0.00	C
ATOM	1133	C3'	C B	18	41.757	-41.382	109.681	1.00	0.00	C
ATOM	1134	O3'	C B	18	41.849	-42.805	109.708	1.00	0.00	O
ATOM	1135	C4'	C B	18	40.928	-40.880	108.501	1.00	0.00	C
ATOM	1136	O4'	C B	18	41.871	-40.842	107.384	1.00	0.00	O
ATOM	1137	C5'	C B	18	40.304	-39.512	108.653	1.00	0.00	C
ATOM	1138	O5'	C B	18	41.207	-38.641	109.382	1.00	0.00	O
ATOM	1139	O1P	C B	18	39.971	-38.187	111.528	1.00	0.00	O
ATOM	1140	O2P	C B	18	41.617	-36.509	110.649	1.00	0.00	O
ATOM	1141	P	C B	18	40.589	-37.538	110.355	1.00	0.00	P
ATOM	1142	H5	C B	18	44.393	-36.394	107.614	1.00	0.00	H
ATOM	1143	H6	C B	18	43.178	-38.281	108.639	1.00	0.00	H
ATOM	1144	H1'	C B	18	43.671	-41.779	107.542	1.00	0.00	H
ATOM	1145	H3'	C B	18	41.351	-41.028	110.628	1.00	0.00	H
ATOM	1146	H4'	C B	18	40.120	-41.597	108.353	1.00	0.00	H
ATOM	1147	H41	C B	18	45.900	-35.757	105.819	1.00	0.00	H
ATOM	1148	H42	C B	18	46.544	-36.934	104.642	1.00	0.00	H
ATOM	1149	H2'1	C B	18	43.218	-39.781	109.778	1.00	0.00	H
ATOM	1150	H2'2	C B	18	43.920	-41.390	109.868	1.00	0.00	H
ATOM	1151	H5'1	C B	18	40.109	-39.095	107.665	1.00	0.00	H
ATOM	1152	H5'2	C B	18	39.365	-39.605	109.196	1.00	0.00	H
ATOM	1153	C1'	C B	19	46.854	-44.168	107.434	1.00	0.00	C
ATOM	1154	N1	C B	19	47.158	-42.718	107.578	1.00	0.00	N
ATOM	1155	C2	C B	19	48.018	-42.136	106.647	1.00	0.00	C
ATOM	1156	O2	C B	19	48.488	-42.842	105.745	1.00	0.00	O
ATOM	1157	N3	C B	19	48.307	-40.817	106.761	1.00	0.00	N
ATOM	1158	C4	C B	19	47.782	-40.081	107.749	1.00	0.00	C

ATOM	1159	N4	C B	19	48.098	-38.797	107.813	1.00	0.00	N
ATOM	1160	C5	C B	19	46.899	-40.654	108.719	1.00	0.00	C
ATOM	1161	C6	C B	19	46.620	-41.981	108.584	1.00	0.00	C
ATOM	1162	C2'	C B	19	46.745	-44.906	108.760	1.00	0.00	C
ATOM	1163	C3'	C B	19	45.643	-45.915	108.472	1.00	0.00	C
ATOM	1164	O3'	C B	19	46.211	-47.062	107.844	1.00	0.00	O
ATOM	1165	C4'	C B	19	44.714	-45.144	107.535	1.00	0.00	C
ATOM	1166	O4'	C B	19	45.611	-44.281	106.766	1.00	0.00	O
ATOM	1167	C5'	C B	19	43.662	-44.281	108.194	1.00	0.00	C
ATOM	1168	O5'	C B	19	44.201	-43.685	109.400	1.00	0.00	O
ATOM	1169	O1P	C B	19	42.845	-44.751	111.232	1.00	0.00	O
ATOM	1170	O2P	C B	19	43.841	-42.474	111.570	1.00	0.00	O
ATOM	1171	P	C B	19	43.229	-43.454	110.641	1.00	0.00	P
ATOM	1172	H5	C B	19	46.470	-40.059	109.525	1.00	0.00	H
ATOM	1173	H6	C B	19	45.950	-42.461	109.297	1.00	0.00	H
ATOM	1174	H1'	C B	19	47.619	-44.615	106.798	1.00	0.00	H
ATOM	1175	H3'	C B	19	45.122	-46.219	109.379	1.00	0.00	H
ATOM	1176	H4'	C B	19	44.201	-45.882	106.919	1.00	0.00	H
ATOM	1177	H41	C B	19	47.707	-38.206	108.561	1.00	0.00	H
ATOM	1178	H42	C B	19	48.736	-38.387	107.113	1.00	0.00	H
ATOM	1179	H2'1	C B	19	46.472	-44.245	109.581	1.00	0.00	H
ATOM	1180	H2'2	C B	19	47.676	-45.404	109.034	1.00	0.00	H
ATOM	1181	H5'1	C B	19	43.356	-43.500	107.500	1.00	0.00	H
ATOM	1182	H5'2	C B	19	42.799	-44.898	108.440	1.00	0.00	H
ATOM	1183	C1'	T B	20	51.415	-45.626	106.179	1.00	0.00	C
ATOM	1184	N1	T B	20	51.222	-44.421	107.029	1.00	0.00	N
ATOM	1185	C2	T B	20	51.861	-43.263	106.634	1.00	0.00	C
ATOM	1186	O2	T B	20	52.560	-43.202	105.637	1.00	0.00	O
ATOM	1187	N3	T B	20	51.654	-42.168	107.451	1.00	0.00	N
ATOM	1188	C4	T B	20	50.887	-42.130	108.595	1.00	0.00	C
ATOM	1189	O4	T B	20	50.777	-41.085	109.250	1.00	0.00	O
ATOM	1190	C5	T B	20	50.259	-43.386	108.927	1.00	0.00	C
ATOM	1191	C6	T B	20	50.437	-44.474	108.154	1.00	0.00	C
ATOM	1192	C7	T B	20	49.413	-43.390	110.166	1.00	0.00	C
ATOM	1193	C2'	T B	20	51.526	-46.923	106.971	1.00	0.00	C
ATOM	1194	C3'	T B	20	50.825	-47.914	106.055	1.00	0.00	C
ATOM	1195	O3'	T B	20	51.753	-48.393	105.085	1.00	0.00	O
ATOM	1196	C4'	T B	20	49.715	-47.074	105.429	1.00	0.00	C
ATOM	1197	O4'	T B	20	50.295	-45.734	105.322	1.00	0.00	O
ATOM	1198	C5'	T B	20	48.423	-46.980	106.207	1.00	0.00	C
ATOM	1199	O5'	T B	20	48.708	-46.937	107.628	1.00	0.00	O
ATOM	1200	O1P	T B	20	47.740	-49.096	108.482	1.00	0.00	O
ATOM	1201	O2P	T B	20	47.921	-47.113	110.007	1.00	0.00	O
ATOM	1202	P	T B	20	47.687	-47.629	108.637	1.00	0.00	P
ATOM	1203	H3	T B	20	52.120	-41.292	107.178	1.00	0.00	H
ATOM	1204	H6	T B	20	49.952	-45.412	108.425	1.00	0.00	H
ATOM	1205	H1'	T B	20	52.298	-45.470	105.560	1.00	0.00	H
ATOM	1206	H3'	T B	20	50.415	-48.759	106.608	1.00	0.00	H
ATOM	1207	H4'	T B	20	49.488	-47.520	104.460	1.00	0.00	H
ATOM	1208	H3T	T B	20	52.569	-48.750	105.442	1.00	0.00	H
ATOM	1209	H71	T B	20	49.866	-44.041	110.914	1.00	0.00	H
ATOM	1210	H72	T B	20	49.341	-42.376	110.561	1.00	0.00	H
ATOM	1211	H73	T B	20	48.414	-43.755	109.924	1.00	0.00	H
ATOM	1212	H2'1	T B	20	51.031	-46.859	107.939	1.00	0.00	H

