

Table 2. REMARK model depicted in Fig.

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	-17.347	-85.394	65.888	1.00	0.00	C
ATOM	2	N1	A A	1	-22.171	-84.698	67.494	1.00	0.00	N

ATOM	3	C2	A A	1	-21.634	-84.804	66.282	1.00	0.00	C
ATOM	4	N3	A A	1	-20.377	-84.986	65.938	1.00	0.00	N
ATOM	5	C4	A A	1	-19.599	-85.059	67.032	1.00	0.00	C
ATOM	6	C5	A A	1	-19.992	-84.968	68.339	1.00	0.00	C
ATOM	7	C6	A A	1	-21.371	-84.775	68.568	1.00	0.00	C
ATOM	8	N6	A A	1	-21.903	-84.668	69.798	1.00	0.00	N
ATOM	9	N7	A A	1	-18.912	-85.088	69.194	1.00	0.00	N
ATOM	10	C8	A A	1	-17.898	-85.245	68.395	1.00	0.00	C
ATOM	11	N9	A A	1	-18.239	-85.239	67.069	1.00	0.00	N
ATOM	12	C2'	A A	1	-15.994	-84.714	66.048	1.00	0.00	C
ATOM	13	C3'	A A	1	-15.070	-85.673	65.315	1.00	0.00	C
ATOM	14	O3'	A A	1	-15.091	-85.372	63.922	1.00	0.00	O
ATOM	15	C4'	A A	1	-15.684	-87.039	65.620	1.00	0.00	C
ATOM	16	O4'	A A	1	-17.122	-86.777	65.697	1.00	0.00	O
ATOM	17	C5'	A A	1	-15.243	-87.701	66.903	1.00	0.00	C
ATOM	18	O5'	A A	1	-15.055	-86.698	67.934	1.00	0.00	O
ATOM	19	H2	A A	1	-22.337	-84.729	65.453	1.00	0.00	H
ATOM	20	H8	A A	1	-16.874	-85.371	68.748	1.00	0.00	H
ATOM	21	H1'	A A	1	-17.873	-85.016	65.012	1.00	0.00	H
ATOM	22	H3'	A A	1	-14.044	-85.613	65.681	1.00	0.00	H
ATOM	23	H4'	A A	1	-15.414	-87.698	64.795	1.00	0.00	H
ATOM	24	H61	A A	1	-22.915	-84.529	69.910	1.00	0.00	H
ATOM	25	H62	A A	1	-21.293	-84.726	70.626	1.00	0.00	H
ATOM	26	H5T	A A	1	-14.363	-86.829	68.585	1.00	0.00	H
ATOM	27	H2'1	A A	1	-15.705	-84.607	67.093	1.00	0.00	H
ATOM	28	H2'2	A A	1	-15.974	-83.722	65.597	1.00	0.00	H
ATOM	29	H5'1	A A	1	-16.005	-88.413	67.218	1.00	0.00	H
ATOM	30	H5'2	A A	1	-14.308	-88.230	66.731	1.00	0.00	H
ATOM	31	C1'	G A	2	-19.616	-81.984	63.082	1.00	0.00	C
ATOM	32	N1	G A	2	-22.520	-81.306	67.219	1.00	0.00	N
ATOM	33	C2	G A	2	-22.878	-81.370	65.887	1.00	0.00	C
ATOM	34	N2	G A	2	-24.181	-81.234	65.619	1.00	0.00	N
ATOM	35	N3	G A	2	-22.005	-81.556	64.898	1.00	0.00	N
ATOM	36	C4	G A	2	-20.728	-81.667	65.351	1.00	0.00	C
ATOM	37	C5	G A	2	-20.277	-81.613	66.660	1.00	0.00	C
ATOM	38	C6	G A	2	-21.206	-81.420	67.710	1.00	0.00	C
ATOM	39	O6	G A	2	-21.003	-81.346	68.922	1.00	0.00	O
ATOM	40	N7	G A	2	-18.890	-81.769	66.700	1.00	0.00	N
ATOM	41	C8	G A	2	-18.552	-81.914	65.444	1.00	0.00	C
ATOM	42	N9	G A	2	-19.614	-81.862	64.564	1.00	0.00	N
ATOM	43	C2'	G A	2	-18.421	-81.321	62.410	1.00	0.00	C
ATOM	44	C3'	G A	2	-18.147	-82.261	61.248	1.00	0.00	C
ATOM	45	O3'	G A	2	-18.993	-81.913	60.154	1.00	0.00	O
ATOM	46	C4'	G A	2	-18.491	-83.631	61.831	1.00	0.00	C
ATOM	47	O4'	G A	2	-19.586	-83.362	62.762	1.00	0.00	O
ATOM	48	C5'	G A	2	-17.385	-84.339	62.577	1.00	0.00	C
ATOM	49	O5'	G A	2	-16.590	-83.373	63.309	1.00	0.00	O
ATOM	50	O1P	G A	2	-14.346	-83.487	62.175	1.00	0.00	O
ATOM	51	O2P	G A	2	-14.502	-82.797	64.581	1.00	0.00	O
ATOM	52	P	G A	2	-15.026	-83.635	63.476	1.00	0.00	P
ATOM	53	H1	G A	2	-23.274	-81.162	67.907	1.00	0.00	H
ATOM	54	H8	G A	2	-17.522	-82.062	65.121	1.00	0.00	H
ATOM	55	H1'	G A	2	-20.552	-81.572	62.707	1.00	0.00	H
ATOM	56	H21	G A	2	-24.852	-81.092	66.388	1.00	0.00	H

ATOM	57	H3'	G A	2	-17.106	-82.221	60.926	1.00	0.00	H
ATOM	58	H22	G A	2	-24.513	-81.271	64.644	1.00	0.00	H
ATOM	59	H4'	G A	2	-18.788	-84.265	60.996	1.00	0.00	H
ATOM	60	H2'1	G A	2	-17.560	-81.250	63.075	1.00	0.00	H
ATOM	61	H2'2	G A	2	-18.649	-80.313	62.061	1.00	0.00	H
ATOM	62	H5'1	G A	2	-17.824	-85.056	63.271	1.00	0.00	H
ATOM	63	H5'2	G A	2	-16.756	-84.871	61.864	1.00	0.00	H
ATOM	64	C1'	G A	3	-22.990	-78.467	62.201	1.00	0.00	C
ATOM	65	N1	G A	3	-22.895	-77.902	67.269	1.00	0.00	N
ATOM	66	C2	G A	3	-23.969	-77.919	66.399	1.00	0.00	C
ATOM	67	N2	G A	3	-25.179	-77.763	66.952	1.00	0.00	N
ATOM	68	N3	G A	3	-23.847	-78.080	65.084	1.00	0.00	N
ATOM	69	C4	G A	3	-22.551	-78.216	64.698	1.00	0.00	C
ATOM	70	C5	G A	3	-21.417	-78.209	65.494	1.00	0.00	C
ATOM	71	C6	G A	3	-21.547	-78.043	66.892	1.00	0.00	C
ATOM	72	O6	G A	3	-20.670	-78.010	67.755	1.00	0.00	O
ATOM	73	N7	G A	3	-20.275	-78.378	64.709	1.00	0.00	N
ATOM	74	C8	G A	3	-20.741	-78.484	63.491	1.00	0.00	C
ATOM	75	N9	G A	3	-22.115	-78.395	63.403	1.00	0.00	N
ATOM	76	C2'	G A	3	-22.400	-77.793	60.971	1.00	0.00	C
ATOM	77	C3'	G A	3	-22.884	-78.697	59.849	1.00	0.00	C
ATOM	78	O3'	G A	3	-24.202	-78.306	59.469	1.00	0.00	O
ATOM	79	C4'	G A	3	-22.857	-80.082	60.493	1.00	0.00	C
ATOM	80	O4'	G A	3	-23.190	-79.834	61.895	1.00	0.00	O
ATOM	81	C5'	G A	3	-21.542	-80.823	60.433	1.00	0.00	C
ATOM	82	O5'	G A	3	-20.444	-79.888	60.579	1.00	0.00	O
ATOM	83	O1P	G A	3	-19.296	-79.983	58.341	1.00	0.00	O
ATOM	84	O2P	G A	3	-17.992	-79.372	60.394	1.00	0.00	O
ATOM	85	P	G A	3	-19.087	-80.169	59.789	1.00	0.00	P
ATOM	86	H1	G A	3	-23.099	-77.776	68.273	1.00	0.00	H
ATOM	87	H8	G A	3	-20.101	-78.630	62.622	1.00	0.00	H
ATOM	88	H1'	G A	3	-23.958	-78.035	62.457	1.00	0.00	H
ATOM	89	H21	G A	3	-25.267	-77.641	67.971	1.00	0.00	H
ATOM	90	H3'	G A	3	-22.230	-78.654	58.978	1.00	0.00	H
ATOM	91	H22	G A	3	-26.019	-77.764	66.357	1.00	0.00	H
ATOM	92	H4'	G A	3	-23.603	-80.685	59.978	1.00	0.00	H
ATOM	93	H2'1	G A	3	-21.311	-77.751	61.004	1.00	0.00	H
ATOM	94	H2'2	G A	3	-22.762	-76.772	60.844	1.00	0.00	H
ATOM	95	H5'1	G A	3	-21.509	-81.559	61.235	1.00	0.00	H
ATOM	96	H5'2	G A	3	-21.464	-81.336	59.474	1.00	0.00	H
ATOM	97	C1'	C A	4	-26.147	-74.896	63.547	1.00	0.00	C
ATOM	98	N1	C A	4	-24.732	-74.870	64.014	1.00	0.00	N
ATOM	99	C2	C A	4	-24.500	-74.723	65.379	1.00	0.00	C
ATOM	100	O2	C A	4	-25.468	-74.619	66.143	1.00	0.00	O
ATOM	101	N3	C A	4	-23.220	-74.697	65.823	1.00	0.00	N
ATOM	102	C4	C A	4	-22.193	-74.810	64.971	1.00	0.00	C
ATOM	103	N4	C A	4	-20.962	-74.782	65.461	1.00	0.00	N
ATOM	104	C5	C A	4	-22.404	-74.960	63.563	1.00	0.00	C
ATOM	105	C6	C A	4	-23.700	-74.987	63.137	1.00	0.00	C
ATOM	106	C2'	C A	4	-26.368	-74.182	62.221	1.00	0.00	C
ATOM	107	C3'	C A	4	-27.440	-75.046	61.571	1.00	0.00	C
ATOM	108	O3'	C A	4	-28.722	-74.634	62.042	1.00	0.00	O
ATOM	109	C4'	C A	4	-27.076	-76.451	62.043	1.00	0.00	C
ATOM	110	O4'	C A	4	-26.521	-76.251	63.382	1.00	0.00	O

ATOM	111	C5'	C A	4	-26.062	-77.198	61.208	1.00	0.00	C
ATOM	112	O5'	C A	4	-25.063	-76.273	60.708	1.00	0.00	O
ATOM	113	O1P	C A	4	-25.439	-76.298	58.220	1.00	0.00	O
ATOM	114	O2P	C A	4	-23.166	-75.765	59.139	1.00	0.00	O
ATOM	115	P	C A	4	-24.428	-76.534	59.268	1.00	0.00	P
ATOM	116	H5	C A	4	-21.571	-75.048	62.865	1.00	0.00	H
ATOM	117	H6	C A	4	-23.911	-75.104	62.075	1.00	0.00	H
ATOM	118	H1'	C A	4	-26.771	-74.468	64.330	1.00	0.00	H
ATOM	119	H3'	C A	4	-27.415	-74.976	60.484	1.00	0.00	H
ATOM	120	H4'	C A	4	-27.997	-77.033	62.046	1.00	0.00	H
ATOM	121	H41	C A	4	-20.153	-74.868	64.828	1.00	0.00	H
ATOM	122	H42	C A	4	-20.812	-74.672	66.475	1.00	0.00	H
ATOM	123	H2'1	C A	4	-25.466	-74.148	61.613	1.00	0.00	H
ATOM	124	H2'2	C A	4	-26.712	-73.156	62.356	1.00	0.00	H
ATOM	125	H5'1	C A	4	-25.584	-77.961	61.821	1.00	0.00	H
ATOM	126	H5'2	C A	4	-26.571	-77.677	60.372	1.00	0.00	H
ATOM	127	C1'	C A	5	-27.819	-71.344	66.566	1.00	0.00	C
ATOM	128	N1	C A	5	-26.401	-71.346	66.114	1.00	0.00	N
ATOM	129	C2	C A	5	-25.407	-71.245	67.085	1.00	0.00	C
ATOM	130	O2	C A	5	-25.739	-71.159	68.275	1.00	0.00	O
ATOM	131	N3	C A	5	-24.108	-71.245	66.694	1.00	0.00	N
ATOM	132	C4	C A	5	-23.780	-71.338	65.400	1.00	0.00	C
ATOM	133	N4	C A	5	-22.496	-71.337	65.074	1.00	0.00	N
ATOM	134	C5	C A	5	-24.781	-71.441	64.380	1.00	0.00	C
ATOM	135	C6	C A	5	-26.080	-71.442	64.797	1.00	0.00	C
ATOM	136	C2'	C A	5	-28.758	-70.586	65.639	1.00	0.00	C
ATOM	137	C3'	C A	5	-30.028	-71.418	65.724	1.00	0.00	C
ATOM	138	O3'	C A	5	-30.778	-71.012	66.866	1.00	0.00	O
ATOM	139	C4'	C A	5	-29.493	-72.841	65.861	1.00	0.00	C
ATOM	140	O4'	C A	5	-28.254	-72.691	66.623	1.00	0.00	O
ATOM	141	C5'	C A	5	-29.183	-73.569	64.574	1.00	0.00	C
ATOM	142	O5'	C A	5	-28.642	-72.637	63.602	1.00	0.00	O
ATOM	143	O1P	C A	5	-30.408	-72.576	61.810	1.00	0.00	O
ATOM	144	O2P	C A	5	-28.015	-72.093	61.231	1.00	0.00	O
ATOM	145	P	C A	5	-28.980	-72.856	62.059	1.00	0.00	P
ATOM	146	H5	C A	5	-24.519	-71.512	63.324	1.00	0.00	H
ATOM	147	H6	C A	5	-26.878	-71.523	64.058	1.00	0.00	H
ATOM	148	H1'	C A	5	-27.853	-70.938	67.577	1.00	0.00	H
ATOM	149	H3'	C A	5	-30.645	-71.313	64.832	1.00	0.00	H
ATOM	150	H4'	C A	5	-30.253	-73.415	66.391	1.00	0.00	H
ATOM	151	H41	C A	5	-22.216	-71.409	64.086	1.00	0.00	H
ATOM	152	H42	C A	5	-21.778	-71.261	65.810	1.00	0.00	H
ATOM	153	H2'1	C A	5	-28.383	-70.539	64.617	1.00	0.00	H
ATOM	154	H2'2	C A	5	-28.930	-69.561	65.973	1.00	0.00	H
ATOM	155	H5'1	C A	5	-28.454	-74.356	64.773	1.00	0.00	H
ATOM	156	H5'2	C A	5	-30.097	-74.016	64.186	1.00	0.00	H
ATOM	157	C1'	G A	6	-27.307	-67.880	70.069	1.00	0.00	C
ATOM	158	N1	G A	6	-22.481	-67.733	68.421	1.00	0.00	N
ATOM	159	C2	G A	6	-22.980	-67.713	69.712	1.00	0.00	C
ATOM	160	N2	G A	6	-22.073	-67.641	70.693	1.00	0.00	N
ATOM	161	N3	G A	6	-24.280	-67.760	69.999	1.00	0.00	N
ATOM	162	C4	G A	6	-25.053	-67.822	68.883	1.00	0.00	C
ATOM	163	C5	G A	6	-24.645	-67.843	67.560	1.00	0.00	C
ATOM	164	C6	G A	6	-23.266	-67.797	67.254	1.00	0.00	C



ATOM	165	O6	G A	6	-22.714	-67.804	66.154	1.00	0.00	O
ATOM	166	N7	G A	6	-25.753	-67.909	66.714	1.00	0.00	N
ATOM	167	C8	G A	6	-26.774	-67.930	67.531	1.00	0.00	C
ATOM	168	N9	G A	6	-26.430	-67.878	68.866	1.00	0.00	N
ATOM	169	C2'	G A	6	-28.594	-67.088	69.890	1.00	0.00	C
ATOM	170	C3'	G A	6	-29.589	-67.911	70.691	1.00	0.00	C
ATOM	171	O3'	G A	6	-29.512	-67.534	72.064	1.00	0.00	O
ATOM	172	C4'	G A	6	-29.111	-69.343	70.457	1.00	0.00	C
ATOM	173	O4'	G A	6	-27.657	-69.223	70.345	1.00	0.00	O
ATOM	174	C5'	G A	6	-29.636	-70.033	69.222	1.00	0.00	C
ATOM	175	O5'	G A	6	-29.751	-69.078	68.137	1.00	0.00	O
ATOM	176	O1P	G A	6	-32.232	-68.950	67.734	1.00	0.00	O
ATOM	177	O2P	G A	6	-30.631	-68.468	65.864	1.00	0.00	O
ATOM	178	P	G A	6	-30.940	-69.248	67.087	1.00	0.00	P
ATOM	179	H1	G A	6	-21.456	-67.699	68.307	1.00	0.00	H
ATOM	180	H8	G A	6	-27.809	-67.982	67.190	1.00	0.00	H
ATOM	181	H1'	G A	6	-26.730	-67.503	70.913	1.00	0.00	H
ATOM	182	H21	G A	6	-21.069	-67.608	70.465	1.00	0.00	H
ATOM	183	H3'	G A	6	-30.612	-67.776	70.337	1.00	0.00	H
ATOM	184	H22	G A	6	-22.380	-67.620	71.677	1.00	0.00	H
ATOM	185	H4'	G A	6	-29.423	-69.926	71.323	1.00	0.00	H
ATOM	186	H2'1	G A	6	-28.892	-67.013	68.843	1.00	0.00	H
ATOM	187	H2'2	G A	6	-28.513	-66.072	70.280	1.00	0.00	H
ATOM	188	H5'1	G A	6	-28.951	-70.832	68.938	1.00	0.00	H
ATOM	189	H5'2	G A	6	-30.614	-70.463	69.439	1.00	0.00	H
ATOM	190	C1'	C A	7	-24.749	-64.538	72.679	1.00	0.00	C
ATOM	191	N1	C A	7	-24.738	-64.504	71.191	1.00	0.00	N
ATOM	192	C2	C A	7	-23.502	-64.462	70.549	1.00	0.00	C
ATOM	193	O2	C A	7	-22.472	-64.454	71.235	1.00	0.00	O
ATOM	194	N3	C A	7	-23.470	-64.431	69.194	1.00	0.00	N
ATOM	195	C4	C A	7	-24.601	-64.440	68.478	1.00	0.00	C
ATOM	196	N4	C A	7	-24.511	-64.411	67.157	1.00	0.00	N
ATOM	197	C5	C A	7	-25.887	-64.478	69.111	1.00	0.00	C
ATOM	198	C6	C A	7	-25.896	-64.514	70.477	1.00	0.00	C
ATOM	199	C2'	C A	7	-25.875	-63.725	73.303	1.00	0.00	C
ATOM	200	C3'	C A	7	-26.238	-64.567	74.517	1.00	0.00	C
ATOM	201	O3'	C A	7	-25.363	-64.238	75.594	1.00	0.00	O
ATOM	202	C4'	C A	7	-26.027	-65.994	74.016	1.00	0.00	C
ATOM	203	O4'	C A	7	-24.910	-65.887	73.077	1.00	0.00	O
ATOM	204	C5'	C A	7	-27.197	-66.635	73.304	1.00	0.00	C
ATOM	205	O5'	C A	7	-27.895	-65.640	72.514	1.00	0.00	O
ATOM	206	O1P	C A	7	-30.140	-65.472	73.638	1.00	0.00	O
ATOM	207	O2P	C A	7	-29.916	-64.942	71.196	1.00	0.00	O
ATOM	208	P	C A	7	-29.476	-65.761	72.351	1.00	0.00	P
ATOM	209	H5	C A	7	-26.812	-64.479	68.533	1.00	0.00	H
ATOM	210	H6	C A	7	-26.849	-64.552	71.004	1.00	0.00	H
ATOM	211	H1'	C A	7	-23.777	-64.197	73.035	1.00	0.00	H
ATOM	212	H3'	C A	7	-27.271	-64.407	74.829	1.00	0.00	H
ATOM	213	H4'	C A	7	-25.794	-66.604	74.889	1.00	0.00	H
ATOM	214	H41	C A	7	-25.366	-64.420	66.582	1.00	0.00	H
ATOM	215	H42	C A	7	-23.587	-64.381	66.702	1.00	0.00	H
ATOM	216	H2'1	C A	7	-26.725	-63.611	72.631	1.00	0.00	H
ATOM	217	H2'2	C A	7	-25.551	-62.725	73.595	1.00	0.00	H
ATOM	218	H5'1	C A	7	-26.828	-67.430	72.655	1.00	0.00	H

ATOM	219	H5'2	C A	7	-27.875	-67.060	74.043	1.00	0.00	H
ATOM	220	C1'	A A	8	-21.067	-61.306	73.385	1.00	0.00	C
ATOM	221	N1	A A	8	-21.095	-61.029	68.259	1.00	0.00	N
ATOM	222	C2	A A	8	-20.110	-61.095	69.150	1.00	0.00	C
ATOM	223	N3	A A	8	-20.172	-61.167	70.463	1.00	0.00	N
ATOM	224	C4	A A	8	-21.456	-61.164	70.868	1.00	0.00	C
ATOM	225	C5	A A	8	-22.575	-61.101	70.087	1.00	0.00	C
ATOM	226	C6	A A	8	-22.365	-61.029	68.694	1.00	0.00	C
ATOM	227	N6	A A	8	-23.368	-60.962	67.803	1.00	0.00	N
ATOM	228	N7	A A	8	-23.725	-61.121	70.857	1.00	0.00	N
ATOM	229	C8	A A	8	-23.281	-61.191	72.078	1.00	0.00	C
ATOM	230	N9	A A	8	-21.912	-61.223	72.163	1.00	0.00	N
ATOM	231	C2'	A A	8	-21.611	-60.508	74.562	1.00	0.00	C
ATOM	232	C3'	A A	8	-21.229	-61.385	75.743	1.00	0.00	C
ATOM	233	O3'	A A	8	-19.887	-61.095	76.125	1.00	0.00	O
ATOM	234	C4'	A A	8	-21.375	-62.798	75.180	1.00	0.00	C
ATOM	235	O4'	A A	8	-21.000	-62.664	73.770	1.00	0.00	O
ATOM	236	C5'	A A	8	-22.754	-63.411	75.258	1.00	0.00	C
ATOM	237	O5'	A A	8	-23.758	-62.389	75.034	1.00	0.00	O
ATOM	238	O1P	A A	8	-24.943	-62.246	77.251	1.00	0.00	O
ATOM	239	O2P	A A	8	-26.155	-61.639	75.138	1.00	0.00	O
ATOM	240	P	A A	8	-25.148	-62.497	75.811	1.00	0.00	P
ATOM	241	H2	A A	8	-19.105	-61.088	68.733	1.00	0.00	H
ATOM	242	H8	A A	8	-23.933	-61.221	72.951	1.00	0.00	H
ATOM	243	H1'	A A	8	-20.060	-60.981	73.125	1.00	0.00	H
ATOM	244	H3'	A A	8	-21.888	-61.232	76.597	1.00	0.00	H
ATOM	245	H4'	A A	8	-20.695	-63.435	75.743	1.00	0.00	H
ATOM	246	H61	A A	8	-23.160	-60.915	66.796	1.00	0.00	H
ATOM	247	H62	A A	8	-24.346	-60.959	68.129	1.00	0.00	H
ATOM	248	H2'1	A A	8	-22.690	-60.369	74.504	1.00	0.00	H
ATOM	249	H2'2	A A	8	-21.156	-59.520	74.637	1.00	0.00	H
ATOM	250	H5'1	A A	8	-22.843	-64.186	74.496	1.00	0.00	H
ATOM	251	H5'2	A A	8	-22.894	-63.856	76.241	1.00	0.00	H
ATOM	252	C1'	C A	9	-17.589	-58.126	71.817	1.00	0.00	C
ATOM	253	N1	C A	9	-18.996	-57.997	71.346	1.00	0.00	N
ATOM	254	C2	C A	9	-19.219	-57.908	69.973	1.00	0.00	C
ATOM	255	O2	C A	9	-18.247	-57.940	69.208	1.00	0.00	O
ATOM	256	N3	C A	9	-20.492	-57.790	69.524	1.00	0.00	N
ATOM	257	C4	C A	9	-21.523	-57.757	70.378	1.00	0.00	C
ATOM	258	N4	C A	9	-22.748	-57.643	69.884	1.00	0.00	N
ATOM	259	C5	C A	9	-21.324	-57.842	71.796	1.00	0.00	C
ATOM	260	C6	C A	9	-20.033	-57.966	72.226	1.00	0.00	C
ATOM	261	C2'	C A	9	-17.299	-57.360	73.100	1.00	0.00	C
ATOM	262	C3'	C A	9	-16.310	-58.280	73.802	1.00	0.00	C
ATOM	263	O3'	C A	9	-14.997	-58.017	73.311	1.00	0.00	O
ATOM	264	C4'	C A	9	-16.805	-59.670	73.412	1.00	0.00	C
ATOM	265	O4'	C A	9	-17.342	-59.499	72.062	1.00	0.00	O
ATOM	266	C5'	C A	9	-17.881	-60.270	74.286	1.00	0.00	C
ATOM	267	O5'	C A	9	-18.789	-59.229	74.729	1.00	0.00	O
ATOM	268	O1P	C A	9	-18.410	-59.143	77.215	1.00	0.00	O
ATOM	269	O2P	C A	9	-20.626	-58.456	76.260	1.00	0.00	O
ATOM	270	P	C A	9	-19.441	-59.345	76.180	1.00	0.00	P
ATOM	271	H5	C A	9	-22.160	-57.810	72.495	1.00	0.00	H
ATOM	272	H6	C A	9	-19.831	-58.042	73.294	1.00	0.00	H

ATOM	273	H1'	C A	9	-16.930	-57.805	71.011	1.00	0.00	H
ATOM	274	H3'	C A	9	-16.325	-58.144	74.883	1.00	0.00	H
ATOM	275	H4'	C A	9	-15.941	-60.335	73.445	1.00	0.00	H
ATOM	276	H41	C A	9	-23.559	-57.618	70.519	1.00	0.00	H
ATOM	277	H42	C A	9	-22.888	-57.580	68.865	1.00	0.00	H
ATOM	278	H2'1	C A	9	-18.193	-57.207	73.702	1.00	0.00	H
ATOM	279	H2'2	C A	9	-16.861	-56.380	72.906	1.00	0.00	H
ATOM	280	H5'1	C A	9	-18.430	-61.020	73.717	1.00	0.00	H
ATOM	281	H5'2	C A	9	-17.417	-60.745	75.150	1.00	0.00	H
ATOM	282	C1'	C A	10	-15.603	-54.928	68.600	1.00	0.00	C
ATOM	283	N1	C A	10	-17.014	-54.771	69.047	1.00	0.00	N
ATOM	284	C2	C A	10	-17.997	-54.636	68.069	1.00	0.00	C
ATOM	285	O2	C A	10	-17.662	-54.650	66.877	1.00	0.00	O
ATOM	286	N3	C A	10	-19.289	-54.492	68.455	1.00	0.00	N
ATOM	287	C4	C A	10	-19.622	-54.479	69.753	1.00	0.00	C
ATOM	288	N4	C A	10	-20.900	-54.339	70.075	1.00	0.00	N
ATOM	289	C5	C A	10	-18.631	-54.612	70.781	1.00	0.00	C
ATOM	290	C6	C A	10	-17.338	-54.760	70.368	1.00	0.00	C
ATOM	291	C2'	C A	10	-14.596	-54.207	69.484	1.00	0.00	C
ATOM	292	C3'	C A	10	-13.408	-55.157	69.451	1.00	0.00	C
ATOM	293	O3'	C A	10	-12.627	-54.889	68.289	1.00	0.00	O
ATOM	294	C4'	C A	10	-14.074	-56.530	69.396	1.00	0.00	C
ATOM	295	O4'	C A	10	-15.295	-56.310	68.623	1.00	0.00	O
ATOM	296	C5'	C A	10	-14.447	-57.149	70.723	1.00	0.00	C
ATOM	297	O5'	C A	10	-14.895	-56.116	71.637	1.00	0.00	O
ATOM	298	O1P	C A	10	-13.127	-56.115	73.427	1.00	0.00	O
ATOM	299	O2P	C A	10	-15.463	-55.378	73.970	1.00	0.00	O
ATOM	300	P	C A	10	-14.575	-56.274	73.190	1.00	0.00	P
ATOM	301	H5	C A	10	-18.897	-54.596	71.838	1.00	0.00	H
ATOM	302	H6	C A	10	-16.550	-54.873	71.112	1.00	0.00	H
ATOM	303	H1'	C A	10	-15.533	-54.586	67.567	1.00	0.00	H
ATOM	304	H3'	C A	10	-12.781	-55.058	70.337	1.00	0.00	H
ATOM	305	H4'	C A	10	-13.371	-57.202	68.902	1.00	0.00	H
ATOM	306	H41	C A	10	-21.184	-54.328	71.065	1.00	0.00	H
ATOM	307	H42	C A	10	-21.609	-54.240	69.334	1.00	0.00	H
ATOM	308	H2'1	C A	10	-14.962	-54.066	70.500	1.00	0.00	H
ATOM	309	H2'2	C A	10	-14.330	-53.224	69.091	1.00	0.00	H
ATOM	310	H5'1	C A	10	-15.246	-57.875	70.567	1.00	0.00	H
ATOM	311	H5'2	C A	10	-13.577	-57.656	71.138	1.00	0.00	H
ATOM	312	C1'	T A	11	-15.777	-51.645	64.899	1.00	0.00	C
ATOM	313	N1	T A	11	-16.669	-51.488	66.078	1.00	0.00	N
ATOM	314	C2	T A	11	-18.016	-51.313	65.830	1.00	0.00	C
ATOM	315	O2	T A	11	-18.481	-51.285	64.704	1.00	0.00	O
ATOM	316	N3	T A	11	-18.810	-51.172	66.954	1.00	0.00	N
ATOM	317	C4	T A	11	-18.384	-51.187	68.266	1.00	0.00	C
ATOM	318	O4	T A	11	-19.192	-51.047	69.194	1.00	0.00	O
ATOM	319	C5	T A	11	-16.962	-51.375	68.425	1.00	0.00	C
ATOM	320	C6	T A	11	-16.159	-51.517	67.353	1.00	0.00	C
ATOM	321	C7	T A	11	-16.456	-51.400	69.837	1.00	0.00	C
ATOM	322	C2'	T A	11	-14.423	-50.964	65.058	1.00	0.00	C
ATOM	323	C3'	T A	11	-13.496	-51.923	64.329	1.00	0.00	C
ATOM	324	O3'	T A	11	-13.516	-51.627	62.935	1.00	0.00	O
ATOM	325	C4'	T A	11	-14.109	-53.287	64.638	1.00	0.00	C
ATOM	326	O4'	T A	11	-15.547	-53.029	64.711	1.00	0.00	O

ATOM	327	C5'	T A	11	-13.670	-53.946	65.926	1.00	0.00	C
ATOM	328	O5'	T A	11	-13.485	-52.939	66.952	1.00	0.00	O
ATOM	329	O1P	T A	11	-11.010	-53.013	67.401	1.00	0.00	O
ATOM	330	O2P	T A	11	-12.590	-52.270	69.203	1.00	0.00	O
ATOM	331	P	T A	11	-12.335	-53.150	68.036	1.00	0.00	P
ATOM	332	H3	T A	11	-19.818	-51.045	66.796	1.00	0.00	H
ATOM	333	H6	T A	11	-15.087	-51.657	67.498	1.00	0.00	H
ATOM	334	H1'	T A	11	-16.301	-51.270	64.020	1.00	0.00	H
ATOM	335	H3'	T A	11	-12.473	-51.859	64.697	1.00	0.00	H
ATOM	336	H4'	T A	11	-13.837	-53.951	63.816	1.00	0.00	H
ATOM	337	H71	T A	11	-15.813	-50.536	70.008	1.00	0.00	H
ATOM	338	H72	T A	11	-17.300	-51.365	70.526	1.00	0.00	H
ATOM	339	H73	T A	11	-15.888	-52.315	70.005	1.00	0.00	H
ATOM	340	H2'1	T A	11	-14.138	-50.852	66.102	1.00	0.00	H
ATOM	341	H2'2	T A	11	-14.404	-49.971	64.605	1.00	0.00	H
ATOM	342	H5'1	T A	11	-14.432	-54.658	66.242	1.00	0.00	H
ATOM	343	H5'2	T A	11	-12.733	-54.474	65.755	1.00	0.00	H
ATOM	344	C1'	A A	12	-18.026	-48.238	62.076	1.00	0.00	C
ATOM	345	N1	A A	12	-20.970	-47.555	66.224	1.00	0.00	N
ATOM	346	C2	A A	12	-21.248	-47.625	64.927	1.00	0.00	C
ATOM	347	N3	A A	12	-20.437	-47.807	63.905	1.00	0.00	N
ATOM	348	C4	A A	12	-19.168	-47.922	64.334	1.00	0.00	C
ATOM	349	C5	A A	12	-18.717	-47.871	65.622	1.00	0.00	C
ATOM	350	C6	A A	12	-19.694	-47.674	66.621	1.00	0.00	C
ATOM	351	N6	A A	12	-19.400	-47.603	67.931	1.00	0.00	N
ATOM	352	N7	A A	12	-17.344	-48.029	65.678	1.00	0.00	N
ATOM	353	C8	A A	12	-16.994	-48.167	64.433	1.00	0.00	C
ATOM	354	N9	A A	12	-18.051	-48.114	63.559	1.00	0.00	N
ATOM	355	C2'	A A	12	-16.819	-47.575	61.427	1.00	0.00	C
ATOM	356	C3'	A A	12	-16.524	-48.517	60.270	1.00	0.00	C
ATOM	357	O3'	A A	12	-17.352	-48.170	59.162	1.00	0.00	O
ATOM	358	C4'	A A	12	-16.879	-49.887	60.847	1.00	0.00	C
ATOM	359	O4'	A A	12	-17.990	-49.616	61.760	1.00	0.00	O
ATOM	360	C5'	A A	12	-15.786	-50.594	61.613	1.00	0.00	C
ATOM	361	O5'	A A	12	-15.004	-49.628	62.359	1.00	0.00	O
ATOM	362	O1P	A A	12	-12.740	-49.742	61.263	1.00	0.00	O
ATOM	363	O2P	A A	12	-12.937	-49.050	63.667	1.00	0.00	O
ATOM	364	P	A A	12	-13.443	-49.890	62.553	1.00	0.00	P
ATOM	365	H2	A A	12	-22.302	-47.517	64.670	1.00	0.00	H
ATOM	366	H8	A A	12	-15.962	-48.311	64.113	1.00	0.00	H
ATOM	367	H1'	A A	12	-18.955	-47.827	61.685	1.00	0.00	H
ATOM	368	H3'	A A	12	-15.479	-48.478	59.965	1.00	0.00	H
ATOM	369	H4'	A A	12	-17.161	-50.520	60.007	1.00	0.00	H
ATOM	370	H61	A A	12	-20.151	-47.461	68.621	1.00	0.00	H
ATOM	371	H62	A A	12	-18.421	-47.691	68.244	1.00	0.00	H
ATOM	372	H2'1	A A	12	-15.969	-47.505	62.105	1.00	0.00	H
ATOM	373	H2'2	A A	12	-17.040	-46.569	61.073	1.00	0.00	H
ATOM	374	H5'1	A A	12	-16.237	-51.310	62.299	1.00	0.00	H
ATOM	375	H5'2	A A	12	-15.144	-51.126	60.912	1.00	0.00	H
ATOM	376	C1'	G A	13	-21.419	-44.718	61.212	1.00	0.00	C
ATOM	377	N1	G A	13	-21.324	-44.154	66.281	1.00	0.00	N
ATOM	378	C2	G A	13	-22.398	-44.170	65.410	1.00	0.00	C
ATOM	379	N2	G A	13	-23.609	-44.013	65.961	1.00	0.00	N
ATOM	380	N3	G A	13	-22.275	-44.331	64.094	1.00	0.00	N

ATOM	381	C4	G A	13	-20.979	-44.467	63.708	1.00	0.00	C
ATOM	382	C5	G A	13	-19.846	-44.460	64.504	1.00	0.00	C
ATOM	383	C6	G A	13	-19.976	-44.294	65.903	1.00	0.00	C
ATOM	384	O6	G A	13	-19.097	-44.259	66.765	1.00	0.00	O
ATOM	385	N7	G A	13	-18.704	-44.629	63.720	1.00	0.00	N
ATOM	386	C8	G A	13	-19.169	-44.735	62.502	1.00	0.00	C
ATOM	387	N9	G A	13	-20.543	-44.646	62.414	1.00	0.00	N
ATOM	388	C2'	G A	13	-20.828	-44.044	59.982	1.00	0.00	C
ATOM	389	C3'	G A	13	-21.313	-44.948	58.860	1.00	0.00	C
ATOM	390	O3'	G A	13	-22.630	-44.557	58.480	1.00	0.00	O
ATOM	391	C4'	G A	13	-21.285	-46.333	59.504	1.00	0.00	C
ATOM	392	O4'	G A	13	-21.619	-46.085	60.906	1.00	0.00	O
ATOM	393	C5'	G A	13	-19.970	-47.074	59.443	1.00	0.00	C
ATOM	394	O5'	G A	13	-18.873	-46.139	59.589	1.00	0.00	O
ATOM	395	O1P	G A	13	-17.724	-46.234	57.351	1.00	0.00	O
ATOM	396	O2P	G A	13	-16.420	-45.623	59.405	1.00	0.00	O
ATOM	397	P	G A	13	-17.515	-46.420	58.800	1.00	0.00	P
ATOM	398	H1	G A	13	-21.528	-44.030	67.285	1.00	0.00	H
ATOM	399	H8	G A	13	-18.530	-44.881	61.632	1.00	0.00	H
ATOM	400	H1'	G A	13	-22.386	-44.286	61.468	1.00	0.00	H
ATOM	401	H21	G A	13	-23.696	-43.892	66.982	1.00	0.00	H
ATOM	402	H3'	G A	13	-20.658	-44.905	57.989	1.00	0.00	H
ATOM	403	H22	G A	13	-24.448	-44.013	65.367	1.00	0.00	H
ATOM	404	H4'	G A	13	-22.032	-46.936	58.989	1.00	0.00	H
ATOM	405	H2'1	G A	13	-19.739	-44.002	60.015	1.00	0.00	H
ATOM	406	H2'2	G A	13	-21.191	-43.023	59.855	1.00	0.00	H
ATOM	407	H5'1	G A	13	-19.938	-47.810	60.246	1.00	0.00	H
ATOM	408	H5'2	G A	13	-19.893	-47.588	58.485	1.00	0.00	H
ATOM	409	C1'	G A	14	-24.575	-41.147	62.558	1.00	0.00	C
ATOM	410	N1	G A	14	-21.510	-40.750	66.617	1.00	0.00	N
ATOM	411	C2	G A	14	-22.891	-40.729	66.541	1.00	0.00	C
ATOM	412	N2	G A	14	-23.543	-40.580	67.701	1.00	0.00	N
ATOM	413	N3	G A	14	-23.568	-40.847	65.400	1.00	0.00	N
ATOM	414	C4	G A	14	-22.748	-40.982	64.326	1.00	0.00	C
ATOM	415	C5	G A	14	-21.364	-41.010	64.305	1.00	0.00	C
ATOM	416	C6	G A	14	-20.644	-40.889	65.515	1.00	0.00	C
ATOM	417	O6	G A	14	-19.427	-40.890	65.699	1.00	0.00	O
ATOM	418	N7	G A	14	-20.905	-41.163	62.994	1.00	0.00	N
ATOM	419	C8	G A	14	-21.999	-41.225	62.280	1.00	0.00	C
ATOM	420	N9	G A	14	-23.159	-41.121	63.018	1.00	0.00	N
ATOM	421	C2'	G A	14	-24.800	-40.437	61.230	1.00	0.00	C
ATOM	422	C3'	G A	14	-25.875	-41.299	60.587	1.00	0.00	C
ATOM	423	O3'	G A	14	-27.154	-40.885	61.061	1.00	0.00	O
ATOM	424	C4'	G A	14	-25.511	-42.706	61.062	1.00	0.00	C
ATOM	425	O4'	G A	14	-24.951	-42.501	62.398	1.00	0.00	O
ATOM	426	C5'	G A	14	-24.501	-43.455	60.225	1.00	0.00	C
ATOM	427	O5'	G A	14	-23.503	-42.535	59.719	1.00	0.00	O
ATOM	428	O1P	G A	14	-23.889	-42.566	57.232	1.00	0.00	O
ATOM	429	O2P	G A	14	-21.612	-42.033	58.141	1.00	0.00	O
ATOM	430	P	G A	14	-22.874	-42.801	58.277	1.00	0.00	P
ATOM	431	H1	G A	14	-21.083	-40.657	67.551	1.00	0.00	H
ATOM	432	H8	G A	14	-21.994	-41.347	61.197	1.00	0.00	H
ATOM	433	H1'	G A	14	-25.196	-40.715	63.342	1.00	0.00	H
ATOM	434	H21	G A	14	-23.012	-40.492	68.581	1.00	0.00	H

ATOM	435	H3'	G	A	14	-25.854	-41.234	59.499	1.00	0.00	H
ATOM	436	H22	G	A	14	-24.571	-40.553	67.714	1.00	0.00	H
ATOM	437	H4'	G	A	14	-26.433	-43.285	61.071	1.00	0.00	H
ATOM	438	H2'1	G	A	14	-23.899	-40.406	60.619	1.00	0.00	H
ATOM	439	H2'2	G	A	14	-25.142	-39.410	61.363	1.00	0.00	H
ATOM	440	H5'1	G	A	14	-24.022	-44.218	60.840	1.00	0.00	H
ATOM	441	H5'2	G	A	14	-25.014	-43.937	59.392	1.00	0.00	H
ATOM	442	C1'	A	A	15	-26.267	-37.597	65.563	1.00	0.00	C
ATOM	443	N1	A	A	15	-21.373	-37.355	67.092	1.00	0.00	N
ATOM	444	C2	A	A	15	-22.526	-37.327	67.757	1.00	0.00	C
ATOM	445	N3	A	A	15	-23.758	-37.397	67.299	1.00	0.00	N
ATOM	446	C4	A	A	15	-23.750	-37.505	65.957	1.00	0.00	C
ATOM	447	C5	A	A	15	-22.662	-37.546	65.132	1.00	0.00	C
ATOM	448	C6	A	A	15	-21.398	-37.464	65.755	1.00	0.00	C
ATOM	449	N6	A	A	15	-20.241	-37.492	65.071	1.00	0.00	N
ATOM	450	N7	A	A	15	-23.044	-37.663	63.807	1.00	0.00	N
ATOM	451	C8	A	A	15	-24.343	-37.686	63.858	1.00	0.00	C
ATOM	452	N9	A	A	15	-24.844	-37.597	65.132	1.00	0.00	N
ATOM	453	C2'	A	A	15	-27.195	-36.843	64.620	1.00	0.00	C
ATOM	454	C3'	A	A	15	-28.466	-37.676	64.691	1.00	0.00	C
ATOM	455	O3'	A	A	15	-29.230	-37.266	65.821	1.00	0.00	O
ATOM	456	C4'	A	A	15	-27.930	-39.100	64.841	1.00	0.00	C
ATOM	457	O4'	A	A	15	-26.701	-38.942	65.620	1.00	0.00	O
ATOM	458	C5'	A	A	15	-27.601	-39.832	63.563	1.00	0.00	C
ATOM	459	O5'	A	A	15	-27.049	-38.904	62.594	1.00	0.00	O
ATOM	460	O1P	A	A	15	-28.790	-38.854	60.777	1.00	0.00	O
ATOM	461	O2P	A	A	15	-26.390	-38.370	60.229	1.00	0.00	O
ATOM	462	P	A	A	15	-27.365	-39.130	61.047	1.00	0.00	P
ATOM	463	H2	A	A	15	-22.435	-37.234	68.839	1.00	0.00	H
ATOM	464	H8	A	A	15	-24.975	-37.769	62.974	1.00	0.00	H
ATOM	465	H1'	A	A	15	-26.317	-37.185	66.571	1.00	0.00	H
ATOM	466	H3'	A	A	15	-29.070	-37.577	63.790	1.00	0.00	H
ATOM	467	H4'	A	A	15	-28.695	-39.671	65.365	1.00	0.00	H
ATOM	468	H61	A	A	15	-19.345	-37.432	65.576	1.00	0.00	H
ATOM	469	H62	A	A	15	-20.252	-37.574	64.044	1.00	0.00	H
ATOM	470	H2'1	A	A	15	-26.804	-36.801	63.603	1.00	0.00	H
ATOM	471	H2'2	A	A	15	-27.374	-35.819	64.946	1.00	0.00	H
ATOM	472	H5'1	A	A	15	-26.876	-40.617	63.776	1.00	0.00	H
ATOM	473	H5'2	A	A	15	-28.509	-40.282	63.164	1.00	0.00	H
ATOM	474	C1'	C	A	16	-25.736	-34.131	69.080	1.00	0.00	C
ATOM	475	N1	C	A	16	-24.853	-34.130	67.882	1.00	0.00	N
ATOM	476	C2	C	A	16	-23.476	-34.070	68.085	1.00	0.00	C
ATOM	477	O2	C	A	16	-23.047	-34.020	69.245	1.00	0.00	O
ATOM	478	N3	C	A	16	-22.655	-34.066	67.007	1.00	0.00	N
ATOM	479	C4	C	A	16	-23.151	-34.121	65.764	1.00	0.00	C
ATOM	480	N4	C	A	16	-22.302	-34.119	64.747	1.00	0.00	N
ATOM	481	C5	C	A	16	-24.563	-34.179	65.524	1.00	0.00	C
ATOM	482	C6	C	A	16	-25.372	-34.185	66.625	1.00	0.00	C
ATOM	483	C2'	C	A	16	-27.020	-33.335	68.898	1.00	0.00	C
ATOM	484	C3'	C	A	16	-28.020	-34.159	69.695	1.00	0.00	C
ATOM	485	O3'	C	A	16	-27.948	-33.784	71.068	1.00	0.00	O
ATOM	486	C4'	C	A	16	-27.543	-35.591	69.460	1.00	0.00	C
ATOM	487	O4'	C	A	16	-26.089	-35.475	69.352	1.00	0.00	O
ATOM	488	C5'	C	A	16	-28.067	-36.278	68.219	1.00	0.00	C

ATOM	489	O5'	C	A	16	-28.175	-35.319	67.137	1.00	0.00	O
ATOM	490	O1P	C	A	16	-30.655	-35.184	66.724	1.00	0.00	O
ATOM	491	O2P	C	A	16	-29.045	-34.702	64.862	1.00	0.00	O
ATOM	492	P	C	A	16	-29.360	-35.484	66.082	1.00	0.00	P
ATOM	493	H5	C	A	16	-24.972	-34.216	64.513	1.00	0.00	H
ATOM	494	H6	C	A	16	-26.453	-34.237	66.494	1.00	0.00	H
ATOM	495	H1'	C	A	16	-25.161	-33.758	69.928	1.00	0.00	H
ATOM	496	H3'	C	A	16	-29.040	-34.019	69.335	1.00	0.00	H
ATOM	497	H4'	C	A	16	-27.863	-36.175	70.322	1.00	0.00	H
ATOM	498	H41	C	A	16	-22.657	-34.162	63.780	1.00	0.00	H
ATOM	499	H42	C	A	16	-21.288	-34.074	64.921	1.00	0.00	H
ATOM	500	H2'1	C	A	16	-27.315	-33.258	67.852	1.00	0.00	H
ATOM	501	H2'2	C	A	16	-26.938	-32.321	69.291	1.00	0.00	H
ATOM	502	H5'1	C	A	16	-27.381	-37.077	67.938	1.00	0.00	H
ATOM	503	H5'2	C	A	16	-29.046	-36.704	68.433	1.00	0.00	H
ATOM	504	C1'	G	A	17	-23.178	-30.789	71.688	1.00	0.00	C
ATOM	505	N1	G	A	17	-20.234	-30.627	67.525	1.00	0.00	N
ATOM	506	C2	G	A	17	-19.880	-30.646	68.863	1.00	0.00	C
ATOM	507	N2	G	A	17	-18.568	-30.614	69.126	1.00	0.00	N
ATOM	508	N3	G	A	17	-20.764	-30.692	69.858	1.00	0.00	N
ATOM	509	C4	G	A	17	-22.047	-30.710	69.408	1.00	0.00	C
ATOM	510	C5	G	A	17	-22.494	-30.691	68.097	1.00	0.00	C
ATOM	511	C6	G	A	17	-21.556	-30.646	67.040	1.00	0.00	C
ATOM	512	O6	G	A	17	-21.754	-30.623	65.825	1.00	0.00	O
ATOM	513	N7	G	A	17	-23.890	-30.720	68.062	1.00	0.00	N
ATOM	514	C8	G	A	17	-24.237	-30.759	69.323	1.00	0.00	C
ATOM	515	N9	G	A	17	-23.173	-30.755	70.201	1.00	0.00	N
ATOM	516	C2'	G	A	17	-24.304	-29.980	72.318	1.00	0.00	C
ATOM	517	C3'	G	A	17	-24.661	-30.821	73.532	1.00	0.00	C
ATOM	518	O3'	G	A	17	-23.783	-30.490	74.605	1.00	0.00	O
ATOM	519	C4'	G	A	17	-24.447	-32.249	73.030	1.00	0.00	C
ATOM	520	O4'	G	A	17	-23.334	-32.137	72.089	1.00	0.00	O
ATOM	521	C5'	G	A	17	-25.616	-32.893	72.324	1.00	0.00	C
ATOM	522	O5'	G	A	17	-26.320	-31.902	71.535	1.00	0.00	O
ATOM	523	O1P	G	A	17	-28.561	-31.740	72.668	1.00	0.00	O
ATOM	524	O2P	G	A	17	-28.349	-31.210	70.225	1.00	0.00	O
ATOM	525	P	G	A	17	-27.902	-32.027	71.379	1.00	0.00	P
ATOM	526	H1	G	A	17	-19.471	-30.598	66.832	1.00	0.00	H
ATOM	527	H8	G	A	17	-25.276	-30.791	69.651	1.00	0.00	H
ATOM	528	H1'	G	A	17	-22.206	-30.444	72.041	1.00	0.00	H
ATOM	529	H21	G	A	17	-17.889	-30.582	68.352	1.00	0.00	H
ATOM	530	H3'	G	A	17	-25.693	-30.666	73.848	1.00	0.00	H
ATOM	531	H22	G	A	17	-18.239	-30.623	70.102	1.00	0.00	H
ATOM	532	H4'	G	A	17	-24.208	-32.857	73.902	1.00	0.00	H
ATOM	533	H2'1	G	A	17	-25.157	-29.869	71.647	1.00	0.00	H
ATOM	534	H2'2	G	A	17	-23.983	-28.979	72.608	1.00	0.00	H
ATOM	535	H5'1	G	A	17	-25.248	-33.688	71.675	1.00	0.00	H
ATOM	536	H5'2	G	A	17	-26.290	-33.322	73.065	1.00	0.00	H
ATOM	537	C1'	G	A	18	-19.489	-27.556	72.371	1.00	0.00	C
ATOM	538	N1	G	A	18	-19.545	-27.282	67.278	1.00	0.00	N
ATOM	539	C2	G	A	18	-18.474	-27.347	68.152	1.00	0.00	C
ATOM	540	N2	G	A	18	-17.255	-27.335	67.595	1.00	0.00	N
ATOM	541	N3	G	A	18	-18.608	-27.418	69.474	1.00	0.00	N
ATOM	542	C4	G	A	18	-19.910	-27.411	69.863	1.00	0.00	C

ATOM	543	C5	G A	18	-21.040	-27.345	69.065	1.00	0.00	C
ATOM	544	C6	G A	18	-20.899	-27.274	67.660	1.00	0.00	C
ATOM	545	O6	G A	18	-21.773	-27.208	66.795	1.00	0.00	O
ATOM	546	N7	G A	18	-22.191	-27.361	69.855	1.00	0.00	N
ATOM	547	C8	G A	18	-21.734	-27.439	71.078	1.00	0.00	C
ATOM	548	N9	G A	18	-20.357	-27.472	71.165	1.00	0.00	N
ATOM	549	C2'	G A	18	-20.011	-26.758	73.559	1.00	0.00	C
ATOM	550	C3'	G A	18	-19.610	-27.636	74.732	1.00	0.00	C
ATOM	551	O3'	G A	18	-18.260	-27.348	75.092	1.00	0.00	O
ATOM	552	C4'	G A	18	-19.767	-29.048	74.171	1.00	0.00	C
ATOM	553	O4'	G A	18	-19.416	-28.915	72.757	1.00	0.00	O
ATOM	554	C5'	G A	18	-21.145	-29.659	74.271	1.00	0.00	C
ATOM	555	O5'	G A	18	-22.152	-28.637	74.067	1.00	0.00	O
ATOM	556	O1P	G A	18	-23.298	-28.494	76.304	1.00	0.00	O
ATOM	557	O2P	G A	18	-24.545	-27.885	74.214	1.00	0.00	O
ATOM	558	P	G A	18	-23.527	-28.744	74.868	1.00	0.00	P
ATOM	559	H1	G A	18	-19.333	-27.236	66.269	1.00	0.00	H
ATOM	560	H8	G A	18	-22.382	-27.473	71.954	1.00	0.00	H
ATOM	561	H1'	G A	18	-18.486	-27.231	72.093	1.00	0.00	H
ATOM	562	H21	G A	18	-17.161	-27.283	66.569	1.00	0.00	H
ATOM	563	H3'	G A	18	-20.255	-27.482	75.598	1.00	0.00	H
ATOM	564	H22	G A	18	-16.419	-27.378	68.191	1.00	0.00	H
ATOM	565	H4'	G A	18	-19.078	-29.687	74.722	1.00	0.00	H
ATOM	566	H2'1	G A	18	-21.091	-26.618	73.520	1.00	0.00	H
ATOM	567	H2'2	G A	18	-19.555	-25.770	73.626	1.00	0.00	H
ATOM	568	H5'1	G A	18	-21.248	-30.435	73.512	1.00	0.00	H
ATOM	569	H5'2	G A	18	-21.267	-30.106	75.257	1.00	0.00	H
ATOM	570	C1'	T A	19	-16.012	-24.379	70.850	1.00	0.00	C
ATOM	571	N1	T A	19	-17.408	-24.247	70.358	1.00	0.00	N
ATOM	572	C2	T A	19	-17.591	-24.160	68.993	1.00	0.00	C
ATOM	573	O2	T A	19	-16.664	-24.186	68.201	1.00	0.00	O
ATOM	574	N3	T A	19	-18.904	-24.039	68.580	1.00	0.00	N
ATOM	575	C4	T A	19	-20.020	-23.997	69.389	1.00	0.00	C
ATOM	576	O4	T A	19	-21.151	-23.883	68.902	1.00	0.00	O
ATOM	577	C5	T A	19	-19.731	-24.095	70.800	1.00	0.00	C
ATOM	578	C6	T A	19	-18.462	-24.214	71.239	1.00	0.00	C
ATOM	579	C7	T A	19	-20.915	-24.056	71.719	1.00	0.00	C
ATOM	580	C2'	T A	19	-15.739	-23.614	72.140	1.00	0.00	C
ATOM	581	C3'	T A	19	-14.763	-24.534	72.855	1.00	0.00	C
ATOM	582	O3'	T A	19	-13.442	-24.272	72.385	1.00	0.00	O
ATOM	583	C4'	T A	19	-15.253	-25.924	72.457	1.00	0.00	C
ATOM	584	O4'	T A	19	-15.768	-25.750	71.099	1.00	0.00	O
ATOM	585	C5'	T A	19	-16.342	-26.524	73.315	1.00	0.00	C
ATOM	586	O5'	T A	19	-17.257	-25.483	73.744	1.00	0.00	O
ATOM	587	O1P	T A	19	-16.914	-25.398	76.235	1.00	0.00	O
ATOM	588	O2P	T A	19	-19.115	-24.709	75.246	1.00	0.00	O
ATOM	589	P	T A	19	-17.931	-25.599	75.184	1.00	0.00	P
ATOM	590	H3	T A	19	-19.066	-23.977	67.564	1.00	0.00	H
ATOM	591	H6	T A	19	-18.268	-24.287	72.310	1.00	0.00	H
ATOM	592	H1'	T A	19	-15.338	-24.057	70.056	1.00	0.00	H
ATOM	593	H3'	T A	19	-14.795	-24.399	73.936	1.00	0.00	H
ATOM	594	H4'	T A	19	-14.389	-26.589	72.504	1.00	0.00	H
ATOM	595	H71	T A	19	-20.875	-23.152	72.325	1.00	0.00	H
ATOM	596	H72	T A	19	-21.832	-24.056	71.128	1.00	0.00	H



ATOM	597	H73	T	A	19	-20.903	-24.931	72.370	1.00	0.00	H
ATOM	598	H2'1	T	A	19	-16.644	-23.460	72.727	1.00	0.00	H
ATOM	599	H2'2	T	A	19	-15.299	-22.633	71.954	1.00	0.00	H
ATOM	600	H5'1	T	A	19	-16.883	-27.273	72.736	1.00	0.00	H
ATOM	601	H5'2	T	A	19	-15.892	-26.999	74.185	1.00	0.00	H
ATOM	602	C01	LNK	A	20	-10.991	-21.647	73.362	0.00	0.00	C
ATOM	603	O1	LNK	A	20	-12.279	-22.261	73.453	1.00	0.00	O
ATOM	604	S	LNK	A	20	-9.073	-18.464	74.789	0.00	0.00	S
ATOM	605	C02	LNK	A	20	-10.964	-20.381	74.240	0.00	0.00	C
ATOM	606	C03	LNK	A	20	-10.116	-19.295	73.551	0.00	0.00	C
ATOM	607	O1P	LNK	A	20	-14.372	-21.819	72.127	1.00	0.00	O
ATOM	608	O2P	LNK	A	20	-12.211	-22.294	70.942	1.00	0.00	O
ATOM	609	P	LNK	A	20	-13.089	-22.549	72.110	1.00	0.00	P
ATOM	610	H01	LNK	A	20	-10.790	-21.374	72.326	0.00	0.00	H
ATOM	611	H02	LNK	A	20	-10.229	-22.345	73.709	0.00	0.00	H
ATOM	612	H03	LNK	A	20	-10.774	-18.564	73.081	0.00	0.00	H
ATOM	613	H04	LNK	A	20	-10.529	-20.622	75.211	0.00	0.00	H
ATOM	614	H05	LNK	A	20	-11.981	-20.015	74.380	0.00	0.00	H
ATOM	615	H06	LNK	A	20	-9.484	-19.756	72.792	0.00	0.00	H
ATOM	616	AU	LNK	A	20	-8.771	-17.918	74.505			
TER											
ATOM	618	C1'	A	B	2	-19.502	-23.575	60.552	1.00	0.00	C
ATOM	619	N1	A	B	2	-19.389	-23.851	65.675	1.00	0.00	N
ATOM	620	C2	A	B	2	-18.432	-23.880	64.754	1.00	0.00	C
ATOM	621	N3	A	B	2	-18.530	-23.801	63.443	1.00	0.00	N
ATOM	622	C4	A	B	2	-19.821	-23.680	63.080	1.00	0.00	C
ATOM	623	C5	A	B	2	-20.914	-23.636	63.897	1.00	0.00	C
ATOM	624	C6	A	B	2	-20.666	-23.729	65.283	1.00	0.00	C
ATOM	625	N6	A	B	2	-21.642	-23.698	66.207	1.00	0.00	N
ATOM	626	N7	A	B	2	-22.081	-23.503	63.165	1.00	0.00	N
ATOM	627	C8	A	B	2	-21.672	-23.477	61.931	1.00	0.00	C
ATOM	628	N9	A	B	2	-20.311	-23.576	61.802	1.00	0.00	N
ATOM	629	C2'	A	B	2	-20.159	-24.315	59.395	1.00	0.00	C
ATOM	630	C3'	A	B	2	-19.733	-23.479	58.200	1.00	0.00	C
ATOM	631	O3'	A	B	2	-18.438	-23.896	57.774	1.00	0.00	O
ATOM	632	C4'	A	B	2	-19.725	-22.059	58.764	1.00	0.00	C
ATOM	633	O4'	A	B	2	-19.318	-22.228	60.161	1.00	0.00	O
ATOM	634	C5'	A	B	2	-21.039	-21.315	58.730	1.00	0.00	C
ATOM	635	O5'	A	B	2	-22.130	-22.236	58.988	1.00	0.00	O
ATOM	636	H2	A	B	2	-17.418	-23.985	65.137	1.00	0.00	H
ATOM	637	H8	A	B	2	-22.348	-23.384	61.080	1.00	0.00	H
ATOM	638	H1'	A	B	2	-18.523	-23.996	60.779	1.00	0.00	H
ATOM	639	H3'	A	B	2	-20.432	-23.567	57.368	1.00	0.00	H
ATOM	640	H4'	A	B	2	-19.005	-21.489	58.177	1.00	0.00	H
ATOM	641	H61	A	B	2	-21.406	-23.767	67.206	1.00	0.00	H
ATOM	642	H62	A	B	2	-22.625	-23.606	65.913	1.00	0.00	H
ATOM	643	H2'1	A	B	2	-21.245	-24.349	59.488	1.00	0.00	H
ATOM	644	H2'2	A	B	2	-19.804	-25.343	59.307	1.00	0.00	H
ATOM	645	H5'1	A	B	2	-21.028	-20.535	59.491	1.00	0.00	H
ATOM	646	H5'2	A	B	2	-21.166	-20.858	57.750	1.00	0.00	H
ATOM	647	C1'	C	B	3	-16.289	-27.069	62.010	1.00	0.00	C
ATOM	648	N1	C	B	3	-17.685	-27.064	62.527	1.00	0.00	N
ATOM	649	C2	C	B	3	-17.871	-27.135	63.906	1.00	0.00	C
ATOM	650	O2	C	B	3	-16.876	-27.198	64.639	1.00	0.00	O

ATOM	651	N3	C B	3	-19.133	-27.132	64.396	1.00	0.00	N
ATOM	652	C4	C B	3	-20.191	-27.064	63.577	1.00	0.00	C
ATOM	653	N4	C B	3	-21.405	-27.061	64.112	1.00	0.00	N
ATOM	654	C5	C B	3	-20.032	-26.995	62.153	1.00	0.00	C
ATOM	655	C6	C B	3	-18.749	-26.994	61.681	1.00	0.00	C
ATOM	656	C2'	C B	3	-16.115	-27.857	60.719	1.00	0.00	C
ATOM	657	C3'	C B	3	-15.067	-27.035	59.984	1.00	0.00	C
ATOM	658	O3'	C B	3	-13.770	-27.423	60.433	1.00	0.00	O
ATOM	659	C4'	C B	3	-15.414	-25.604	60.389	1.00	0.00	C
ATOM	660	O4'	C B	3	-15.921	-25.726	61.756	1.00	0.00	O
ATOM	661	C5'	C B	3	-16.455	-24.902	59.549	1.00	0.00	C
ATOM	662	O5'	C B	3	-17.472	-25.850	59.138	1.00	0.00	O
ATOM	663	O1P	C B	3	-17.184	-25.967	56.639	1.00	0.00	O
ATOM	664	O2P	C B	3	-19.423	-26.440	57.668	1.00	0.00	O
ATOM	665	P	C B	3	-18.157	-25.669	57.710	1.00	0.00	P
ATOM	666	H5	C B	3	-20.889	-26.946	61.482	1.00	0.00	H
ATOM	667	H6	C B	3	-18.576	-26.935	60.607	1.00	0.00	H
ATOM	668	H1'	C B	3	-15.636	-27.454	62.794	1.00	0.00	H
ATOM	669	H3'	C B	3	-15.130	-27.165	58.904	1.00	0.00	H
ATOM	670	H4'	C B	3	-14.492	-25.025	60.326	1.00	0.00	H
ATOM	671	H41	C B	3	-22.235	-27.006	63.503	1.00	0.00	H
ATOM	672	H42	C B	3	-21.517	-27.112	65.135	1.00	0.00	H
ATOM	673	H2'1	C B	3	-17.040	-27.923	60.147	1.00	0.00	H
ATOM	674	H2'2	C B	3	-15.767	-28.874	60.899	1.00	0.00	H
ATOM	675	H5'1	C B	3	-16.911	-24.104	60.136	1.00	0.00	H
ATOM	676	H5'2	C B	3	-15.976	-24.472	58.671	1.00	0.00	H
ATOM	677	C1'	C B	4	-14.508	-30.444	65.165	1.00	0.00	C
ATOM	678	N1	C B	4	-15.941	-30.465	64.765	1.00	0.00	N
ATOM	679	C2	C B	4	-16.901	-30.511	65.774	1.00	0.00	C
ATOM	680	O2	C B	4	-16.526	-30.531	66.955	1.00	0.00	O
ATOM	681	N3	C B	4	-18.211	-30.530	65.431	1.00	0.00	N
ATOM	682	C4	C B	4	-18.586	-30.507	64.145	1.00	0.00	C
ATOM	683	N4	C B	4	-19.881	-30.524	63.865	1.00	0.00	N
ATOM	684	C5	C B	4	-17.622	-30.465	63.085	1.00	0.00	C
ATOM	685	C6	C B	4	-16.307	-30.441	63.455	1.00	0.00	C
ATOM	686	C2'	C B	4	-13.603	-31.256	64.249	1.00	0.00	C
ATOM	687	C3'	C B	4	-12.330	-30.423	64.243	1.00	0.00	C
ATOM	688	O3'	C B	4	-11.540	-30.767	65.378	1.00	0.00	O
ATOM	689	C4'	C B	4	-12.859	-28.993	64.319	1.00	0.00	C
ATOM	690	O4'	C B	4	-14.071	-29.099	65.133	1.00	0.00	O
ATOM	691	C5'	C B	4	-13.216	-28.337	63.005	1.00	0.00	C
ATOM	692	O5'	C B	4	-13.790	-29.320	62.107	1.00	0.00	O
ATOM	693	O1P	C B	4	-12.089	-29.483	60.259	1.00	0.00	O
ATOM	694	O2P	C B	4	-14.501	-29.992	59.793	1.00	0.00	O
ATOM	695	P	C B	4	-13.507	-29.187	60.544	1.00	0.00	P
ATOM	696	H5	C B	4	-17.922	-30.453	62.037	1.00	0.00	H
ATOM	697	H6	C B	4	-15.537	-30.401	62.685	1.00	0.00	H
ATOM	698	H1'	C B	4	-14.436	-30.795	66.196	1.00	0.00	H
ATOM	699	H3'	C B	4	-11.746	-30.578	63.335	1.00	0.00	H
ATOM	700	H4'	C B	4	-12.081	-28.391	64.791	1.00	0.00	H
ATOM	701	H41	C B	4	-20.198	-30.504	62.884	1.00	0.00	H
ATOM	702	H42	C B	4	-20.574	-30.556	64.629	1.00	0.00	H
ATOM	703	H2'1	C B	4	-14.014	-31.358	63.245	1.00	0.00	H
ATOM	704	H2'2	C B	4	-13.418	-32.259	64.632	1.00	0.00	H

ATOM	705	H5'1	C B	4	-13.936	-27.539	63.187	1.00	0.00	H
ATOM	706	H5'2	C B	4	-12.316	-27.914	62.562	1.00	0.00	H
ATOM	707	C1'	G B	5	-14.892	-33.703	68.875	1.00	0.00	C
ATOM	708	N1	G B	5	-19.774	-33.936	67.410	1.00	0.00	N
ATOM	709	C2	G B	5	-19.229	-33.886	68.682	1.00	0.00	C
ATOM	710	N2	G B	5	-20.100	-33.902	69.697	1.00	0.00	N
ATOM	711	N3	G B	5	-17.919	-33.824	68.919	1.00	0.00	N
ATOM	712	C4	G B	5	-17.186	-33.824	67.775	1.00	0.00	C
ATOM	713	C5	G B	5	-17.641	-33.876	66.468	1.00	0.00	C
ATOM	714	C6	G B	5	-19.030	-33.938	66.214	1.00	0.00	C
ATOM	715	O6	G B	5	-19.620	-33.990	65.136	1.00	0.00	O
ATOM	716	N7	G B	5	-16.563	-33.857	65.581	1.00	0.00	N
ATOM	717	C8	G B	5	-15.513	-33.793	66.359	1.00	0.00	C
ATOM	718	N9	G B	5	-15.811	-33.771	67.706	1.00	0.00	N
ATOM	719	C2'	G B	5	-13.611	-34.506	68.694	1.00	0.00	C
ATOM	720	C3'	G B	5	-12.589	-33.640	69.414	1.00	0.00	C
ATOM	721	O3'	G B	5	-12.617	-33.942	70.807	1.00	0.00	O
ATOM	722	C4'	G B	5	-13.077	-32.223	69.119	1.00	0.00	C
ATOM	723	O4'	G B	5	-14.533	-32.348	69.065	1.00	0.00	O
ATOM	724	C5'	G B	5	-12.596	-31.602	67.829	1.00	0.00	C
ATOM	725	O5'	G B	5	-12.519	-32.616	66.796	1.00	0.00	O
ATOM	726	O1P	G B	5	-10.054	-32.768	66.311	1.00	0.00	O
ATOM	727	O2P	G B	5	-11.720	-33.350	64.529	1.00	0.00	O
ATOM	728	P	G B	5	-11.369	-32.505	65.696	1.00	0.00	P
ATOM	729	H1	G B	5	-20.801	-33.976	67.335	1.00	0.00	H
ATOM	730	H8	G B	5	-14.492	-33.761	65.979	1.00	0.00	H
ATOM	731	H1'	G B	5	-15.437	-34.032	69.758	1.00	0.00	H
ATOM	732	H21	G B	5	-21.111	-33.947	69.506	1.00	0.00	H
ATOM	733	H3'	G B	5	-11.579	-33.796	69.031	1.00	0.00	H
ATOM	734	H22	G B	5	-19.759	-33.870	70.669	1.00	0.00	H
ATOM	735	H4'	G B	5	-12.734	-31.593	69.939	1.00	0.00	H
ATOM	736	H2'1	G B	5	-13.350	-34.638	67.644	1.00	0.00	H
ATOM	737	H2'2	G B	5	-13.677	-35.497	69.143	1.00	0.00	H
ATOM	738	H5'1	G B	5	-13.293	-30.820	67.527	1.00	0.00	H
ATOM	739	H5'2	G B	5	-11.612	-31.163	67.988	1.00	0.00	H
ATOM	740	C1'	T B	6	-17.333	-36.887	71.773	1.00	0.00	C
ATOM	741	N1	T B	6	-17.420	-37.005	70.294	1.00	0.00	N
ATOM	742	C2	T B	6	-18.682	-37.082	69.741	1.00	0.00	C
ATOM	743	O2	T B	6	-19.699	-37.058	70.411	1.00	0.00	O
ATOM	744	N3	T B	6	-18.715	-37.188	68.362	1.00	0.00	N
ATOM	745	C4	T B	6	-17.630	-37.228	67.513	1.00	0.00	C
ATOM	746	O4	T B	6	-17.785	-37.330	66.291	1.00	0.00	O
ATOM	747	C5	T B	6	-16.354	-37.140	68.183	1.00	0.00	C
ATOM	748	C6	T B	6	-16.282	-37.034	69.525	1.00	0.00	C
ATOM	749	C7	T B	6	-15.144	-37.177	67.297	1.00	0.00	C
ATOM	750	C2'	T B	6	-16.172	-37.664	72.383	1.00	0.00	C
ATOM	751	C3'	T B	6	-15.751	-36.755	73.529	1.00	0.00	C
ATOM	752	O3'	T B	6	-16.568	-37.026	74.665	1.00	0.00	O
ATOM	753	C4'	T B	6	-15.992	-35.359	72.962	1.00	0.00	C
ATOM	754	O4'	T B	6	-17.155	-35.520	72.089	1.00	0.00	O
ATOM	755	C5'	T B	6	-14.864	-34.756	72.156	1.00	0.00	C
ATOM	756	O5'	T B	6	-14.204	-35.793	71.387	1.00	0.00	O
ATOM	757	O1P	T B	6	-11.904	-35.896	72.403	1.00	0.00	O
ATOM	758	O2P	T B	6	-12.249	-36.561	70.008	1.00	0.00	O

ATOM	759	P	T B	6	-12.633	-35.680	71.137	1.00	0.00	P
ATOM	760	H3	T B	6	-19.647	-37.244	67.924	1.00	0.00	H
ATOM	761	H6	T B	6	-15.307	-36.970	70.007	1.00	0.00	H
ATOM	762	H1'	T B	6	-18.283	-37.209	72.199	1.00	0.00	H
ATOM	763	H3'	T B	6	-14.704	-36.896	73.796	1.00	0.00	H
ATOM	764	H4'	T B	6	-16.183	-34.701	73.810	1.00	0.00	H
ATOM	765	H71	T B	6	-14.575	-38.085	67.496	1.00	0.00	H
ATOM	766	H72	T B	6	-15.457	-37.165	66.253	1.00	0.00	H
ATOM	767	H73	T B	6	-14.519	-36.306	67.499	1.00	0.00	H
ATOM	768	H2'1	T B	6	-15.358	-37.813	71.676	1.00	0.00	H
ATOM	769	H2'2	T B	6	-16.476	-38.645	72.747	1.00	0.00	H
ATOM	770	H5'1	T B	6	-15.268	-33.999	71.484	1.00	0.00	H
ATOM	771	H5'2	T B	6	-14.150	-34.290	72.835	1.00	0.00	H
ATOM	772	C1'	C B	7	-21.012	-40.074	72.756	1.00	0.00	C
ATOM	773	N1	C B	7	-20.191	-40.224	71.521	1.00	0.00	N
ATOM	774	C2	C B	7	-20.860	-40.349	70.306	1.00	0.00	C
ATOM	775	O2	C B	7	-22.099	-40.329	70.299	1.00	0.00	O
ATOM	776	N3	C B	7	-20.132	-40.486	69.170	1.00	0.00	N
ATOM	777	C4	C B	7	-18.793	-40.504	69.209	1.00	0.00	C
ATOM	778	N4	C B	7	-18.133	-40.637	68.069	1.00	0.00	N
ATOM	779	C5	C B	7	-18.079	-40.383	70.446	1.00	0.00	C
ATOM	780	C6	C B	7	-18.833	-40.241	71.576	1.00	0.00	C
ATOM	781	C2'	C B	7	-20.444	-40.808	73.962	1.00	0.00	C
ATOM	782	C3'	C B	7	-20.801	-39.865	75.102	1.00	0.00	C
ATOM	783	O3'	C B	7	-22.134	-40.131	75.529	1.00	0.00	O
ATOM	784	C4'	C B	7	-20.664	-38.487	74.459	1.00	0.00	C
ATOM	785	O4'	C B	7	-21.070	-38.696	73.069	1.00	0.00	O
ATOM	786	C5'	C B	7	-19.282	-37.873	74.472	1.00	0.00	C
ATOM	787	O5'	C B	7	-18.286	-38.909	74.285	1.00	0.00	O
ATOM	788	O1P	C B	7	-17.052	-38.932	76.479	1.00	0.00	O
ATOM	789	O2P	C B	7	-15.888	-39.656	74.379	1.00	0.00	O
ATOM	790	P	C B	7	-16.879	-38.761	75.024	1.00	0.00	P
ATOM	791	H5	C B	7	-16.990	-40.404	70.483	1.00	0.00	H
ATOM	792	H6	C B	7	-18.335	-40.137	72.540	1.00	0.00	H
ATOM	793	H1'	C B	7	-22.025	-40.411	72.534	1.00	0.00	H
ATOM	794	H3'	C B	7	-20.121	-39.973	75.949	1.00	0.00	H
ATOM	795	H4'	C B	7	-21.330	-37.817	75.002	1.00	0.00	H
ATOM	796	H41	C B	7	-17.102	-40.651	68.070	1.00	0.00	H
ATOM	797	H42	C B	7	-18.648	-40.727	67.180	1.00	0.00	H
ATOM	798	H2'1	C B	7	-19.367	-40.952	73.889	1.00	0.00	H
ATOM	799	H2'2	C B	7	-20.897	-41.789	74.101	1.00	0.00	H
ATOM	800	H5'1	C B	7	-19.209	-37.141	73.667	1.00	0.00	H
ATOM	801	H5'2	C B	7	-19.122	-37.375	75.426	1.00	0.00	H
ATOM	802	C1'	C B	8	-24.532	-43.332	71.518	1.00	0.00	C
ATOM	803	N1	C B	8	-23.143	-43.487	71.006	1.00	0.00	N
ATOM	804	C2	C B	8	-22.968	-43.655	69.634	1.00	0.00	C
ATOM	805	O2	C B	8	-23.967	-43.668	68.902	1.00	0.00	O
ATOM	806	N3	C B	8	-21.712	-43.798	69.147	1.00	0.00	N
ATOM	807	C4	C B	8	-20.650	-43.781	69.964	1.00	0.00	C
ATOM	808	N4	C B	8	-19.444	-43.921	69.434	1.00	0.00	N
ATOM	809	C5	C B	8	-20.799	-43.614	71.381	1.00	0.00	C
ATOM	810	C6	C B	8	-22.075	-43.467	71.849	1.00	0.00	C
ATOM	811	C2'	C B	8	-24.775	-44.024	72.853	1.00	0.00	C
ATOM	812	C3'	C B	8	-25.740	-43.066	73.535	1.00	0.00	C

ATOM	813	O3'	C B	8	-27.068	-43.358	73.107	1.00	0.00	O
ATOM	814	C4'	C B	8	-25.263	-41.700	73.049	1.00	0.00	C
ATOM	815	O4'	C B	8	-24.773	-41.949	71.692	1.00	0.00	O
ATOM	816	C5'	C B	8	-24.159	-41.050	73.849	1.00	0.00	C
ATOM	817	O5'	C B	8	-23.232	-42.063	74.318	1.00	0.00	O
ATOM	818	O1P	C B	8	-23.523	-42.006	76.818	1.00	0.00	O
ATOM	819	O2P	C B	8	-21.341	-42.744	75.824	1.00	0.00	O
ATOM	820	P	C B	8	-22.530	-41.862	75.734	1.00	0.00	P
ATOM	821	H5	C B	8	-19.939	-43.606	72.051	1.00	0.00	H
ATOM	822	H6	C B	8	-22.238	-43.330	72.917	1.00	0.00	H
ATOM	823	H1'	C B	8	-25.219	-43.700	70.757	1.00	0.00	H
ATOM	824	H3'	C B	8	-25.686	-43.138	74.621	1.00	0.00	H
ATOM	825	H4'	C B	8	-26.126	-41.035	73.076	1.00	0.00	H
ATOM	826	H41	C B	8	-18.611	-43.908	70.040	1.00	0.00	H
ATOM	827	H42	C B	8	-19.339	-44.043	68.416	1.00	0.00	H
ATOM	828	H2'1	C B	8	-23.859	-44.142	73.431	1.00	0.00	H
ATOM	829	H2'2	C B	8	-25.216	-45.013	72.731	1.00	0.00	H
ATOM	830	H5'1	C B	8	-23.632	-40.334	73.218	1.00	0.00	H
ATOM	831	H5'2	C B	8	-24.593	-40.527	74.699	1.00	0.00	H
ATOM	832	C1'	T B	9	-26.645	-46.703	68.575	1.00	0.00	C
ATOM	833	N1	T B	9	-25.214	-46.836	68.958	1.00	0.00	N
ATOM	834	C2	T B	9	-24.304	-47.028	67.939	1.00	0.00	C
ATOM	835	O2	T B	9	-24.631	-47.090	66.766	1.00	0.00	O
ATOM	836	N3	T B	9	-22.986	-47.146	68.339	1.00	0.00	N
ATOM	837	C4	T B	9	-22.513	-47.094	69.633	1.00	0.00	C
ATOM	838	O4	T B	9	-21.305	-47.216	69.870	1.00	0.00	O
ATOM	839	C5	T B	9	-23.538	-46.890	70.630	1.00	0.00	C
ATOM	840	C6	T B	9	-24.832	-46.770	70.275	1.00	0.00	C
ATOM	841	C7	T B	9	-23.066	-46.824	72.051	1.00	0.00	C
ATOM	842	C2'	T B	9	-27.607	-47.370	69.552	1.00	0.00	C
ATOM	843	C3'	T B	9	-28.796	-46.421	69.523	1.00	0.00	C
ATOM	844	O3'	T B	9	-29.636	-46.756	68.420	1.00	0.00	O
ATOM	845	C4'	T B	9	-28.135	-45.054	69.354	1.00	0.00	C
ATOM	846	O4'	T B	9	-26.955	-45.324	68.532	1.00	0.00	O
ATOM	847	C5'	T B	9	-27.695	-44.359	70.621	1.00	0.00	C
ATOM	848	O5'	T B	9	-27.200	-45.337	71.570	1.00	0.00	O
ATOM	849	O1P	T B	9	-28.875	-45.231	73.444	1.00	0.00	O
ATOM	850	O2P	T B	9	-26.512	-45.938	73.910	1.00	0.00	O
ATOM	851	P	T B	9	-27.439	-45.087	73.126	1.00	0.00	P
ATOM	852	H3	T B	9	-22.287	-47.286	67.596	1.00	0.00	H
ATOM	853	H6	T B	9	-25.588	-46.617	71.045	1.00	0.00	H
ATOM	854	H1'	T B	9	-26.769	-47.105	67.569	1.00	0.00	H
ATOM	855	H3'	T B	9	-29.375	-46.467	70.445	1.00	0.00	H
ATOM	856	H4'	T B	9	-28.863	-44.411	68.856	1.00	0.00	H
ATOM	857	H71	T B	9	-23.460	-47.677	72.605	1.00	0.00	H
ATOM	858	H72	T B	9	-21.976	-46.846	72.075	1.00	0.00	H
ATOM	859	H73	T B	9	-23.421	-45.900	72.509	1.00	0.00	H
ATOM	860	H2'1	T B	9	-27.188	-47.451	70.553	1.00	0.00	H
ATOM	861	H2'2	T B	9	-27.891	-48.372	69.232	1.00	0.00	H
ATOM	862	H5'1	T B	9	-26.908	-43.644	70.383	1.00	0.00	H
ATOM	863	H5'2	T B	9	-28.544	-43.828	71.049	1.00	0.00	H
ATOM	864	C1'	A B	10	-26.581	-50.194	65.048	1.00	0.00	C
ATOM	865	N1	A B	10	-21.703	-50.799	66.520	1.00	0.00	N
ATOM	866	C2	A B	10	-22.283	-50.765	65.324	1.00	0.00	C

ATOM	867	N3	A B	10	-23.551	-50.602	65.014	1.00	0.00	N
ATOM	868	C4	A B	10	-24.290	-50.464	66.130	1.00	0.00	C
ATOM	869	C5	A B	10	-23.850	-50.476	67.425	1.00	0.00	C
ATOM	870	C6	A B	10	-22.465	-50.657	67.615	1.00	0.00	C
ATOM	871	N6	A B	10	-21.890	-50.691	68.831	1.00	0.00	N
ATOM	872	N7	A B	10	-24.900	-50.302	68.311	1.00	0.00	N
ATOM	873	C8	A B	10	-25.942	-50.194	67.540	1.00	0.00	C
ATOM	874	N9	A B	10	-25.648	-50.279	66.204	1.00	0.00	N
ATOM	875	C2'	A B	10	-27.927	-50.862	65.297	1.00	0.00	C
ATOM	876	C3'	A B	10	-28.880	-49.948	64.542	1.00	0.00	C
ATOM	877	O3'	A B	10	-28.907	-50.332	63.169	1.00	0.00	O
ATOM	878	C4'	A B	10	-28.256	-48.567	64.743	1.00	0.00	C
ATOM	879	O4'	A B	10	-26.816	-48.824	64.783	1.00	0.00	O
ATOM	880	C5'	A B	10	-28.651	-47.829	65.999	1.00	0.00	C
ATOM	881	O5'	A B	10	-28.801	-48.768	67.094	1.00	0.00	O
ATOM	882	O1P	A B	10	-31.260	-48.660	67.622	1.00	0.00	O
ATOM	883	O2P	A B	10	-29.618	-49.291	69.412	1.00	0.00	O
ATOM	884	P	A B	10	-29.914	-48.487	68.202	1.00	0.00	P
ATOM	885	H2	A B	10	-21.609	-50.890	64.477	1.00	0.00	H
ATOM	886	H8	A B	10	-26.953	-50.050	67.921	1.00	0.00	H
ATOM	887	H1'	A B	10	-26.087	-50.625	64.178	1.00	0.00	H
ATOM	888	H3'	A B	10	-29.890	-49.985	64.948	1.00	0.00	H
ATOM	889	H4'	A B	10	-28.556	-47.958	63.890	1.00	0.00	H
ATOM	890	H61	A B	10	-20.873	-50.823	68.913	1.00	0.00	H
ATOM	891	H62	A B	10	-22.468	-50.584	69.676	1.00	0.00	H
ATOM	892	H2'1	A B	10	-28.178	-50.906	66.357	1.00	0.00	H
ATOM	893	H2'2	A B	10	-27.964	-51.880	64.908	1.00	0.00	H
ATOM	894	H5'1	A B	10	-27.879	-47.099	66.244	1.00	0.00	H
ATOM	895	H5'2	A B	10	-29.593	-47.310	65.829	1.00	0.00	H
ATOM	896	C1'	G B	11	-24.411	-53.761	62.363	1.00	0.00	C
ATOM	897	N1	G B	11	-21.361	-54.202	66.428	1.00	0.00	N
ATOM	898	C2	G B	11	-21.051	-54.218	65.079	1.00	0.00	C
ATOM	899	N2	G B	11	-19.757	-54.373	64.773	1.00	0.00	N
ATOM	900	N3	G B	11	-21.960	-54.087	64.114	1.00	0.00	N
ATOM	901	C4	G B	11	-23.219	-53.946	64.605	1.00	0.00	C
ATOM	902	C5	G B	11	-23.622	-53.924	65.930	1.00	0.00	C
ATOM	903	C6	G B	11	-22.658	-54.058	66.956	1.00	0.00	C
ATOM	904	O6	G B	11	-22.818	-54.063	68.177	1.00	0.00	O
ATOM	905	N7	G B	11	-25.006	-53.762	66.011	1.00	0.00	N
ATOM	906	C8	G B	11	-25.390	-53.690	64.762	1.00	0.00	C
ATOM	907	N9	G B	11	-24.361	-53.796	63.849	1.00	0.00	N
ATOM	908	C2'	G B	11	-25.629	-54.460	61.774	1.00	0.00	C
ATOM	909	C3'	G B	11	-25.944	-53.588	60.569	1.00	0.00	C
ATOM	910	O3'	G B	11	-25.138	-54.002	59.469	1.00	0.00	O
ATOM	911	C4'	G B	11	-25.580	-52.188	61.058	1.00	0.00	C
ATOM	912	O4'	G B	11	-24.451	-52.405	61.964	1.00	0.00	O
ATOM	913	C5'	G B	11	-26.658	-51.435	61.801	1.00	0.00	C
ATOM	914	O5'	G B	11	-27.427	-52.355	62.615	1.00	0.00	O
ATOM	915	O1P	G B	11	-29.710	-52.302	61.558	1.00	0.00	O
ATOM	916	O2P	G B	11	-29.468	-52.850	63.994	1.00	0.00	O
ATOM	917	P	G B	11	-28.984	-52.080	62.822	1.00	0.00	P
ATOM	918	H1	G B	11	-20.582	-54.304	67.095	1.00	0.00	H
ATOM	919	H8	G B	11	-26.431	-53.560	64.468	1.00	0.00	H
ATOM	920	H1'	G B	11	-23.488	-54.196	61.979	1.00	0.00	H

ATOM	921	H21	G B	11	-19.059	-54.470	65.525	1.00	0.00	H
ATOM	922	H3'	G B	11	-26.996	-53.645	60.287	1.00	0.00	H
ATOM	923	H22	G B	11	-19.461	-54.397	63.787	1.00	0.00	H
ATOM	924	H4'	G B	11	-25.313	-51.604	60.177	1.00	0.00	H
ATOM	925	H2'1	G B	11	-26.466	-54.490	62.472	1.00	0.00	H
ATOM	926	H2'2	G B	11	-25.414	-55.486	61.476	1.00	0.00	H
ATOM	927	H5'1	G B	11	-26.195	-50.680	62.436	1.00	0.00	H
ATOM	928	H5'2	G B	11	-27.313	-50.945	61.080	1.00	0.00	H
ATOM	929	C1'	G B	12	-21.067	-57.326	61.565	1.00	0.00	C
ATOM	930	N1	G B	12	-20.981	-57.598	66.659	1.00	0.00	N
ATOM	931	C2	G B	12	-19.938	-57.635	65.749	1.00	0.00	C
ATOM	932	N2	G B	12	-18.709	-57.763	66.266	1.00	0.00	N
ATOM	933	N3	G B	12	-20.108	-57.550	64.432	1.00	0.00	N
ATOM	934	C4	G B	12	-21.417	-57.432	64.086	1.00	0.00	C
ATOM	935	C5	G B	12	-22.521	-57.390	64.920	1.00	0.00	C
ATOM	936	C6	G B	12	-22.342	-57.476	66.319	1.00	0.00	C
ATOM	937	O6	G B	12	-23.188	-57.459	67.213	1.00	0.00	O
ATOM	938	N7	G B	12	-23.690	-57.262	64.168	1.00	0.00	N
ATOM	939	C8	G B	12	-23.268	-57.228	62.931	1.00	0.00	C
ATOM	940	N9	G B	12	-21.899	-57.327	62.799	1.00	0.00	N
ATOM	941	C2'	G B	12	-21.701	-58.068	60.398	1.00	0.00	C
ATOM	942	C3'	G B	12	-21.256	-57.232	59.208	1.00	0.00	C
ATOM	943	O3'	G B	12	-19.954	-57.648	58.805	1.00	0.00	O
ATOM	944	C4'	G B	12	-21.260	-55.812	59.772	1.00	0.00	C
ATOM	945	O4'	G B	12	-20.877	-55.980	61.174	1.00	0.00	O
ATOM	946	C5'	G B	12	-22.575	-55.071	59.716	1.00	0.00	C
ATOM	947	O5'	G B	12	-23.668	-55.993	59.955	1.00	0.00	O
ATOM	948	O1P	G B	12	-24.895	-56.023	57.757	1.00	0.00	O
ATOM	949	O2P	G B	12	-26.126	-56.511	59.888	1.00	0.00	O
ATOM	950	P	G B	12	-25.052	-55.754	59.199	1.00	0.00	P
ATOM	951	H1	G B	12	-20.741	-57.665	67.660	1.00	0.00	H
ATOM	952	H8	G B	12	-23.939	-57.131	62.076	1.00	0.00	H
ATOM	953	H1'	G B	12	-20.091	-57.744	61.811	1.00	0.00	H
ATOM	954	H21	G B	12	-18.585	-57.825	67.287	1.00	0.00	H
ATOM	955	H3'	G B	12	-21.941	-57.322	58.365	1.00	0.00	H
ATOM	956	H22	G B	12	-17.891	-57.801	65.642	1.00	0.00	H
ATOM	957	H4'	G B	12	-20.532	-55.241	59.198	1.00	0.00	H
ATOM	958	H2'1	G B	12	-22.788	-58.105	60.472	1.00	0.00	H
ATOM	959	H2'2	G B	12	-21.345	-59.095	60.316	1.00	0.00	H
ATOM	960	H5'1	G B	12	-22.579	-54.290	60.477	1.00	0.00	H
ATOM	961	H5'2	G B	12	-22.687	-54.614	58.733	1.00	0.00	H
ATOM	962	C1'	T B	13	-17.855	-60.817	62.976	1.00	0.00	C
ATOM	963	N1	T B	13	-19.240	-60.815	63.514	1.00	0.00	N
ATOM	964	C2	T B	13	-19.386	-60.887	64.885	1.00	0.00	C
ATOM	965	O2	T B	13	-18.435	-60.952	65.646	1.00	0.00	O
ATOM	966	N3	T B	13	-20.690	-60.881	65.341	1.00	0.00	N
ATOM	967	C4	T B	13	-21.831	-60.814	64.569	1.00	0.00	C
ATOM	968	O4	T B	13	-22.951	-60.820	65.093	1.00	0.00	O
ATOM	969	C5	T B	13	-21.580	-60.740	63.149	1.00	0.00	C
ATOM	970	C6	T B	13	-20.320	-60.743	62.668	1.00	0.00	C
ATOM	971	C7	T B	13	-22.792	-60.664	62.270	1.00	0.00	C
ATOM	972	C2'	T B	13	-17.700	-61.602	61.679	1.00	0.00	C
ATOM	973	C3'	T B	13	-16.663	-60.778	60.932	1.00	0.00	C
ATOM	974	O3'	T B	13	-15.360	-61.168	61.358	1.00	0.00	O

ATOM	975	C4'	T B	13	-17.003	-59.348	61.344	1.00	0.00	C
ATOM	976	O4'	T B	13	-17.488	-59.475	62.719	1.00	0.00	O
ATOM	977	C5'	T B	13	-18.058	-58.644	60.522	1.00	0.00	C
ATOM	978	O5'	T B	13	-19.081	-59.591	60.124	1.00	0.00	O
ATOM	979	O1P	T B	13	-18.831	-59.702	57.624	1.00	0.00	O
ATOM	980	O2P	T B	13	-21.055	-60.179	58.684	1.00	0.00	O
ATOM	981	P	T B	13	-19.789	-59.407	58.708	1.00	0.00	P
ATOM	982	H3	T B	13	-20.824	-60.931	66.362	1.00	0.00	H
ATOM	983	H6	T B	13	-20.156	-60.687	61.592	1.00	0.00	H
ATOM	984	H1'	T B	13	-17.188	-61.204	63.748	1.00	0.00	H
ATOM	985	H3'	T B	13	-16.743	-60.906	59.852	1.00	0.00	H
ATOM	986	H4'	T B	13	-16.082	-58.769	61.268	1.00	0.00	H
ATOM	987	H71	T B	13	-22.860	-61.566	61.662	1.00	0.00	H
ATOM	988	H72	T B	13	-23.686	-60.576	62.889	1.00	0.00	H
ATOM	989	H73	T B	13	-22.716	-59.792	61.618	1.00	0.00	H
ATOM	990	H2'1	T B	13	-18.633	-61.666	61.122	1.00	0.00	H
ATOM	991	H2'2	T B	13	-17.349	-62.620	61.851	1.00	0.00	H
ATOM	992	H5'1	T B	13	-18.503	-57.848	61.118	1.00	0.00	H
ATOM	993	H5'2	T B	13	-17.593	-58.213	59.637	1.00	0.00	H
ATOM	994	C1'	G B	14	-16.080	-64.193	66.155	1.00	0.00	C
ATOM	995	N1	G B	14	-20.896	-64.338	67.831	1.00	0.00	N
ATOM	996	C2	G B	14	-19.709	-64.334	68.541	1.00	0.00	C
ATOM	997	N2	G B	14	-19.818	-64.376	69.874	1.00	0.00	N
ATOM	998	N3	G B	14	-18.508	-64.291	67.966	1.00	0.00	N
ATOM	999	C4	G B	14	-18.586	-64.259	66.609	1.00	0.00	C
ATOM	1000	C5	G B	14	-19.721	-64.264	65.818	1.00	0.00	C
ATOM	1001	C6	G B	14	-20.997	-64.306	66.427	1.00	0.00	C
ATOM	1002	O6	G B	14	-22.110	-64.318	65.899	1.00	0.00	O
ATOM	1003	N7	G B	14	-19.369	-64.225	64.467	1.00	0.00	N
ATOM	1004	C8	G B	14	-18.061	-64.195	64.483	1.00	0.00	C
ATOM	1005	N9	G B	14	-17.511	-64.215	65.748	1.00	0.00	N
ATOM	1006	C2'	G B	14	-15.170	-65.001	65.239	1.00	0.00	C
ATOM	1007	C3'	G B	14	-13.898	-64.168	65.240	1.00	0.00	C
ATOM	1008	O3'	G B	14	-13.113	-64.514	66.377	1.00	0.00	O
ATOM	1009	C4'	G B	14	-14.430	-62.737	65.318	1.00	0.00	C
ATOM	1010	O4'	G B	14	-15.644	-62.848	66.128	1.00	0.00	O
ATOM	1011	C5'	G B	14	-14.781	-62.078	64.006	1.00	0.00	C
ATOM	1012	O5'	G B	14	-15.352	-63.058	63.103	1.00	0.00	O
ATOM	1013	O1P	G B	14	-13.644	-63.214	61.260	1.00	0.00	O
ATOM	1014	O2P	G B	14	-16.054	-63.724	60.784	1.00	0.00	O
ATOM	1015	P	G B	14	-15.063	-62.921	61.540	1.00	0.00	P
ATOM	1016	H1	G B	14	-21.774	-64.366	68.373	1.00	0.00	H
ATOM	1017	H8	G B	14	-17.458	-64.159	63.575	1.00	0.00	H
ATOM	1018	H1'	G B	14	-16.012	-64.547	67.184	1.00	0.00	H
ATOM	1019	H21	G B	14	-20.752	-64.406	70.312	1.00	0.00	H
ATOM	1020	H3'	G B	14	-13.310	-64.319	64.334	1.00	0.00	H
ATOM	1021	H22	G B	14	-18.972	-64.379	70.460	1.00	0.00	H
ATOM	1022	H4'	G B	14	-13.654	-62.138	65.795	1.00	0.00	H
ATOM	1023	H2'1	G B	14	-15.578	-65.100	64.233	1.00	0.00	H
ATOM	1024	H2'2	G B	14	-14.987	-66.006	65.618	1.00	0.00	H
ATOM	1025	H5'1	G B	14	-15.502	-61.281	64.187	1.00	0.00	H
ATOM	1026	H5'2	G B	14	-13.879	-61.653	63.567	1.00	0.00	H
ATOM	1027	C1'	C B	15	-16.463	-67.452	69.865	1.00	0.00	C
ATOM	1028	N1	C B	15	-17.387	-67.518	68.701	1.00	0.00	N



ATOM	1029	C2	C B	15	-18.756	-67.567	68.956	1.00	0.00	C
ATOM	1030	O2	C B	15	-19.145	-67.553	70.131	1.00	0.00	O
ATOM	1031	N3	C B	15	-19.615	-67.628	67.909	1.00	0.00	N
ATOM	1032	C4	C B	15	-19.164	-67.643	66.649	1.00	0.00	C
ATOM	1033	N4	C B	15	-20.048	-67.700	65.663	1.00	0.00	N
ATOM	1034	C5	C B	15	-17.760	-67.599	66.355	1.00	0.00	C
ATOM	1035	C6	C B	15	-16.915	-67.532	67.425	1.00	0.00	C
ATOM	1036	C2'	C B	15	-15.185	-68.259	69.681	1.00	0.00	C
ATOM	1037	C3'	C B	15	-14.158	-67.393	70.395	1.00	0.00	C
ATOM	1038	O3'	C B	15	-14.181	-67.692	71.790	1.00	0.00	O
ATOM	1039	C4'	C B	15	-14.643	-65.976	70.100	1.00	0.00	C
ATOM	1040	O4'	C B	15	-16.101	-66.096	70.050	1.00	0.00	O
ATOM	1041	C5'	C B	15	-14.166	-65.359	68.805	1.00	0.00	C
ATOM	1042	O5'	C B	15	-14.095	-66.376	67.775	1.00	0.00	O
ATOM	1043	O1P	C B	15	-11.631	-66.535	67.282	1.00	0.00	O
ATOM	1044	O2P	C B	15	-13.306	-67.117	65.506	1.00	0.00	O
ATOM	1045	P	C B	15	-12.949	-66.270	66.671	1.00	0.00	P
ATOM	1046	H5	C B	15	-17.389	-67.617	65.331	1.00	0.00	H
ATOM	1047	H6	C B	15	-15.839	-67.490	67.253	1.00	0.00	H
ATOM	1048	H1'	C B	15	-17.007	-67.778	70.752	1.00	0.00	H
ATOM	1049	H3'	C B	15	-13.151	-67.553	70.008	1.00	0.00	H
ATOM	1050	H4'	C B	15	-14.295	-65.345	70.917	1.00	0.00	H
ATOM	1051	H41	C B	15	-19.728	-67.709	64.683	1.00	0.00	H
ATOM	1052	H42	C B	15	-21.056	-67.734	65.876	1.00	0.00	H
ATOM	1053	H2'1	C B	15	-14.928	-68.394	68.631	1.00	0.00	H
ATOM	1054	H2'2	C B	15	-15.252	-69.249	70.132	1.00	0.00	H
ATOM	1055	H5'1	C B	15	-14.862	-64.576	68.504	1.00	0.00	H
ATOM	1056	H5'2	C B	15	-13.180	-64.922	68.961	1.00	0.00	H
ATOM	1057	C1'	G B	16	-18.923	-70.638	72.748	1.00	0.00	C
ATOM	1058	N1	G B	16	-22.013	-71.030	68.708	1.00	0.00	N
ATOM	1059	C2	G B	16	-22.319	-70.938	70.054	1.00	0.00	C
ATOM	1060	N2	G B	16	-23.621	-70.955	70.365	1.00	0.00	N
ATOM	1061	N3	G B	16	-21.399	-70.837	71.013	1.00	0.00	N
ATOM	1062	C4	G B	16	-20.134	-70.842	70.517	1.00	0.00	C
ATOM	1063	C5	G B	16	-19.735	-70.935	69.195	1.00	0.00	C
ATOM	1064	C6	G B	16	-20.710	-71.038	68.176	1.00	0.00	C
ATOM	1065	O6	G B	16	-20.553	-71.128	66.958	1.00	0.00	O
ATOM	1066	N7	G B	16	-18.341	-70.907	69.108	1.00	0.00	N
ATOM	1067	C8	G B	16	-17.949	-70.799	70.352	1.00	0.00	C
ATOM	1068	N9	G B	16	-18.981	-70.755	71.267	1.00	0.00	N
ATOM	1069	C2'	G B	16	-17.774	-71.411	73.380	1.00	0.00	C
ATOM	1070	C3'	G B	16	-17.376	-70.503	74.533	1.00	0.00	C
ATOM	1071	O3'	G B	16	-18.215	-70.775	75.653	1.00	0.00	O
ATOM	1072	C4'	G B	16	-17.610	-69.106	73.962	1.00	0.00	C
ATOM	1073	O4'	G B	16	-18.757	-69.270	73.067	1.00	0.00	O
ATOM	1074	C5'	G B	16	-16.469	-68.501	73.179	1.00	0.00	C
ATOM	1075	O5'	G B	16	-15.791	-69.534	72.422	1.00	0.00	O
ATOM	1076	O1P	G B	16	-13.511	-69.633	73.481	1.00	0.00	O
ATOM	1077	O2P	G B	16	-13.808	-70.297	71.081	1.00	0.00	O
ATOM	1078	P	G B	16	-14.215	-69.418	72.204	1.00	0.00	P
ATOM	1079	H1	G B	16	-22.800	-71.098	68.045	1.00	0.00	H
ATOM	1080	H8	G B	16	-16.900	-70.748	70.640	1.00	0.00	H
ATOM	1081	H1'	G B	16	-19.882	-70.962	73.155	1.00	0.00	H
ATOM	1082	H21	G B	16	-24.327	-71.030	69.618	1.00	0.00	H

ATOM	1083	H3'	G B	16	-16.333	-70.641	74.820	1.00	0.00	H
ATOM	1084	H22	G B	16	-23.914	-70.892	71.350	1.00	0.00	H
ATOM	1085	H4'	G B	16	-17.820	-68.450	74.806	1.00	0.00	H
ATOM	1086	H2'1	G B	16	-16.945	-71.559	72.687	1.00	0.00	H
ATOM	1087	H2'2	G B	16	-18.083	-72.394	73.737	1.00	0.00	H
ATOM	1088	H5'1	G B	16	-16.862	-67.745	72.500	1.00	0.00	H
ATOM	1089	H5'2	G B	16	-15.770	-68.033	73.872	1.00	0.00	H
ATOM	1090	C1'	G B	17	-22.582	-73.824	73.744	1.00	0.00	C
ATOM	1091	N1	G B	17	-22.707	-74.384	68.674	1.00	0.00	N
ATOM	1092	C2	G B	17	-23.746	-74.271	69.582	1.00	0.00	C
ATOM	1093	N2	G B	17	-24.982	-74.314	69.070	1.00	0.00	N
ATOM	1094	N3	G B	17	-23.565	-74.125	70.893	1.00	0.00	N
ATOM	1095	C4	G B	17	-22.250	-74.109	71.234	1.00	0.00	C
ATOM	1096	C5	G B	17	-21.150	-74.219	70.402	1.00	0.00	C
ATOM	1097	C6	G B	17	-21.340	-74.370	69.010	1.00	0.00	C
ATOM	1098	O6	G B	17	-20.498	-74.482	68.119	1.00	0.00	O
ATOM	1099	N7	G B	17	-19.971	-74.156	71.149	1.00	0.00	N
ATOM	1100	C8	G B	17	-20.385	-74.011	72.381	1.00	0.00	C
ATOM	1101	N9	G B	17	-21.758	-73.974	72.514	1.00	0.00	N
ATOM	1102	C2'	G B	17	-22.016	-74.552	74.955	1.00	0.00	C
ATOM	1103	C3'	G B	17	-22.379	-73.610	76.092	1.00	0.00	C
ATOM	1104	O3'	G B	17	-23.713	-73.879	76.515	1.00	0.00	O
ATOM	1105	C4'	G B	17	-22.244	-72.232	75.446	1.00	0.00	C
ATOM	1106	O4'	G B	17	-22.646	-72.445	74.055	1.00	0.00	O
ATOM	1107	C5'	G B	17	-20.866	-71.615	75.462	1.00	0.00	C
ATOM	1108	O5'	G B	17	-19.865	-72.646	75.280	1.00	0.00	O
ATOM	1109	O1P	G B	17	-18.640	-72.662	77.479	1.00	0.00	O
ATOM	1110	O2P	G B	17	-17.465	-73.386	75.384	1.00	0.00	O
ATOM	1111	P	G B	17	-18.461	-72.493	76.025	1.00	0.00	P
ATOM	1112	H1	G B	17	-22.954	-74.488	67.678	1.00	0.00	H
ATOM	1113	H8	G B	17	-19.706	-73.926	73.229	1.00	0.00	H
ATOM	1114	H1'	G B	17	-23.593	-74.164	73.521	1.00	0.00	H
ATOM	1115	H21	G B	17	-25.115	-74.424	68.054	1.00	0.00	H
ATOM	1116	H3'	G B	17	-21.703	-73.714	76.940	1.00	0.00	H
ATOM	1117	H22	G B	17	-25.799	-74.238	69.693	1.00	0.00	H
ATOM	1118	H4'	G B	17	-22.915	-71.563	75.984	1.00	0.00	H
ATOM	1119	H2'1	G B	17	-20.938	-74.694	74.885	1.00	0.00	H
ATOM	1120	H2'2	G B	17	-22.467	-75.535	75.095	1.00	0.00	H
ATOM	1121	H5'1	G B	17	-20.792	-70.884	74.657	1.00	0.00	H
ATOM	1122	H5'2	G B	17	-20.710	-71.113	76.417	1.00	0.00	H
ATOM	1123	C1'	C B	18	-26.103	-77.081	72.508	1.00	0.00	C
ATOM	1124	N1	C B	18	-24.713	-77.236	71.995	1.00	0.00	N
ATOM	1125	C2	C B	18	-24.540	-77.403	70.623	1.00	0.00	C
ATOM	1126	O2	C B	18	-25.538	-77.416	69.892	1.00	0.00	O
ATOM	1127	N3	C B	18	-23.283	-77.547	70.138	1.00	0.00	N
ATOM	1128	C4	C B	18	-22.223	-77.528	70.956	1.00	0.00	C
ATOM	1129	N4	C B	18	-21.017	-77.671	70.425	1.00	0.00	N
ATOM	1130	C5	C B	18	-22.373	-77.361	72.369	1.00	0.00	C
ATOM	1131	C6	C B	18	-23.646	-77.216	72.836	1.00	0.00	C
ATOM	1132	C2'	C B	18	-26.346	-77.773	73.842	1.00	0.00	C
ATOM	1133	C3'	C B	18	-27.311	-76.815	74.525	1.00	0.00	C
ATOM	1134	O3'	C B	18	-28.639	-77.107	74.096	1.00	0.00	O
ATOM	1135	C4'	C B	18	-26.834	-75.449	74.038	1.00	0.00	C
ATOM	1136	O4'	C B	18	-26.344	-75.698	72.682	1.00	0.00	O

ATOM	1137	C5'	C B	18	-25.730	-74.799	74.838	1.00	0.00	C
ATOM	1138	O5'	C B	18	-24.804	-75.811	75.307	1.00	0.00	O
ATOM	1139	O1P	C B	18	-25.094	-75.755	77.807	1.00	0.00	O
ATOM	1140	O2P	C B	18	-22.911	-76.493	76.814	1.00	0.00	O
ATOM	1141	P	C B	18	-24.101	-75.611	76.724	1.00	0.00	P
ATOM	1142	H5	C B	18	-21.513	-77.349	73.039	1.00	0.00	H
ATOM	1143	H6	C B	18	-23.809	-77.082	73.905	1.00	0.00	H
ATOM	1144	H1'	C B	18	-26.790	-77.449	71.746	1.00	0.00	H
ATOM	1145	H3'	C B	18	-27.258	-76.887	75.610	1.00	0.00	H
ATOM	1146	H4'	C B	18	-27.698	-74.784	74.064	1.00	0.00	H
ATOM	1147	H41	C B	18	-20.183	-77.659	71.032	1.00	0.00	H
ATOM	1148	H42	C B	18	-20.912	-77.792	69.408	1.00	0.00	H
ATOM	1149	H2'1	C B	18	-25.430	-77.890	74.420	1.00	0.00	H
ATOM	1150	H2'2	C B	18	-26.786	-78.762	73.720	1.00	0.00	H
ATOM	1151	H5'1	C B	18	-25.203	-74.082	74.207	1.00	0.00	H
ATOM	1152	H5'2	C B	18	-26.164	-74.276	75.689	1.00	0.00	H
ATOM	1153	C1'	C B	19	-28.199	-80.455	69.550	1.00	0.00	C
ATOM	1154	N1	C B	19	-26.772	-80.585	69.955	1.00	0.00	N
ATOM	1155	C2	C B	19	-25.824	-80.778	68.952	1.00	0.00	C
ATOM	1156	O2	C B	19	-26.202	-80.832	67.774	1.00	0.00	O
ATOM	1157	N3	C B	19	-24.520	-80.898	69.300	1.00	0.00	N
ATOM	1158	C4	C B	19	-24.142	-80.835	70.585	1.00	0.00	C
ATOM	1159	N4	C B	19	-22.856	-80.958	70.869	1.00	0.00	N
ATOM	1160	C5	C B	19	-25.096	-80.640	71.634	1.00	0.00	C
ATOM	1161	C6	C B	19	-26.401	-80.520	71.260	1.00	0.00	C
ATOM	1162	C2'	C B	19	-29.171	-81.124	70.510	1.00	0.00	C
ATOM	1163	C3'	C B	19	-30.362	-80.177	70.464	1.00	0.00	C
ATOM	1164	O3'	C B	19	-31.184	-80.512	69.349	1.00	0.00	O
ATOM	1165	C4'	C B	19	-29.703	-78.810	70.305	1.00	0.00	C
ATOM	1166	O4'	C B	19	-28.508	-79.075	69.503	1.00	0.00	O
ATOM	1167	C5'	C B	19	-29.283	-78.114	71.580	1.00	0.00	C
ATOM	1168	O5'	C B	19	-28.800	-79.092	72.536	1.00	0.00	O
ATOM	1169	O1P	C B	19	-30.504	-78.988	74.385	1.00	0.00	O
ATOM	1170	O2P	C B	19	-28.148	-79.691	74.886	1.00	0.00	O
ATOM	1171	P	C B	19	-29.066	-78.843	74.087	1.00	0.00	P
ATOM	1172	H5	C B	19	-24.794	-80.590	72.679	1.00	0.00	H
ATOM	1173	H6	C B	19	-27.164	-80.368	72.025	1.00	0.00	H
ATOM	1174	H1'	C B	19	-28.304	-80.857	68.542	1.00	0.00	H
ATOM	1175	H3'	C B	19	-30.955	-80.224	71.377	1.00	0.00	H
ATOM	1176	H4'	C B	19	-30.423	-78.167	69.798	1.00	0.00	H
ATOM	1177	H41	C B	19	-22.536	-80.912	71.847	1.00	0.00	H
ATOM	1178	H42	C B	19	-22.171	-81.099	70.110	1.00	0.00	H
ATOM	1179	H2'1	C B	19	-28.769	-81.205	71.519	1.00	0.00	H
ATOM	1180	H2'2	C B	19	-29.449	-82.127	70.185	1.00	0.00	H
ATOM	1181	H5'1	C B	19	-28.494	-77.398	71.353	1.00	0.00	H
ATOM	1182	H5'2	C B	19	-30.139	-77.584	71.995	1.00	0.00	H
ATOM	1183	C1'	T B	20	-28.153	-83.943	66.039	1.00	0.00	C
ATOM	1184	N1	T B	20	-27.219	-84.031	67.192	1.00	0.00	N
ATOM	1185	C2	T B	20	-25.882	-84.221	66.908	1.00	0.00	C
ATOM	1186	O2	T B	20	-25.456	-84.316	65.769	1.00	0.00	O
ATOM	1187	N3	T B	20	-25.050	-84.296	68.009	1.00	0.00	N
ATOM	1188	C4	T B	20	-25.427	-84.202	69.331	1.00	0.00	C
ATOM	1189	O4	T B	20	-24.587	-84.287	70.236	1.00	0.00	O
ATOM	1190	C5	T B	20	-26.842	-84.004	69.529	1.00	0.00	C

ATOM	1191	C6	T B	20	-27.683	-83.926	68.480	1.00	0.00	C
ATOM	1192	C7	T B	20	-27.297	-83.895	70.954	1.00	0.00	C
ATOM	1193	C2'	T B	20	-29.499	-84.614	66.287	1.00	0.00	C
ATOM	1194	C3'	T B	20	-30.452	-83.697	65.535	1.00	0.00	C
ATOM	1195	O3'	T B	20	-30.483	-84.077	64.161	1.00	0.00	O
ATOM	1196	C4'	T B	20	-29.830	-82.318	65.740	1.00	0.00	C
ATOM	1197	O4'	T B	20	-28.390	-82.574	65.778	1.00	0.00	O
ATOM	1198	C5'	T B	20	-30.224	-81.583	67.001	1.00	0.00	C
ATOM	1199	O5'	T B	20	-30.371	-82.528	68.092	1.00	0.00	O
ATOM	1200	O1P	T B	20	-32.829	-82.424	68.623	1.00	0.00	O
ATOM	1201	O2P	T B	20	-31.185	-83.059	70.409	1.00	0.00	O
ATOM	1202	P	T B	20	-31.482	-82.250	69.201	1.00	0.00	P
ATOM	1203	H3	T B	20	-24.048	-84.437	67.823	1.00	0.00	H
ATOM	1204	H6	T B	20	-28.749	-83.776	68.655	1.00	0.00	H
ATOM	1205	H1'	T B	20	-27.660	-84.370	65.166	1.00	0.00	H
ATOM	1206	H3'	T B	20	-31.462	-83.738	65.942	1.00	0.00	H
ATOM	1207	H4'	T B	20	-30.133	-81.705	64.890	1.00	0.00	H
ATOM	1208	H3T	T B	20	-30.672	-85.004	63.998	1.00	0.00	H
ATOM	1209	H71	T B	20	-27.933	-84.746	71.200	1.00	0.00	H
ATOM	1210	H72	T B	20	-26.428	-83.888	71.614	1.00	0.00	H
ATOM	1211	H73	T B	20	-27.860	-82.971	71.088	1.00	0.00	H
ATOM	1212	H2'1	T B	20	-29.747	-84.662	67.345	1.00	0.00	H
ATOM	1213	H2'2	T B	20	-29.533	-85.630	65.894	1.00	0.00	H
ATOM	1214	H5'1	T B	20	-29.453	-80.854	67.246	1.00	0.00	H
ATOM	1215	H5'2	T B	20	-31.166	-81.066	66.833	1.00	0.00	H
TER										
ATOM	1	C1'	A A	1	-55.077	-66.809	61.610	1.00	0.00	C
ATOM	2	N1	A A	1	-56.622	-66.230	66.470	1.00	0.00	N
ATOM	3	C2	A A	1	-57.084	-65.754	65.318	1.00	0.00	C
ATOM	4	N3	A A	1	-56.637	-65.946	64.095	1.00	0.00	N
ATOM	5	C4	A A	1	-55.556	-66.746	64.113	1.00	0.00	C
ATOM	6	C5	A A	1	-54.959	-67.312	65.205	1.00	0.00	C
ATOM	7	C6	A A	1	-55.542	-67.026	66.457	1.00	0.00	C
ATOM	8	N6	A A	1	-55.065	-67.512	67.616	1.00	0.00	N
ATOM	9	N7	A A	1	-53.866	-68.076	64.836	1.00	0.00	N
ATOM	10	C8	A A	1	-53.824	-67.954	63.542	1.00	0.00	C
ATOM	11	N9	A A	1	-54.819	-67.162	63.032	1.00	0.00	N
ATOM	12	C2'	A A	1	-53.811	-66.589	60.794	1.00	0.00	C
ATOM	13	C3'	A A	1	-54.211	-67.143	59.435	1.00	0.00	C
ATOM	14	O3'	A A	1	-54.898	-66.132	58.701	1.00	0.00	O
ATOM	15	C4'	A A	1	-55.124	-68.312	59.799	1.00	0.00	C
ATOM	16	O4'	A A	1	-55.796	-67.877	61.024	1.00	0.00	O
ATOM	17	C5'	A A	1	-54.445	-69.635	60.065	1.00	0.00	C
ATOM	18	O5'	A A	1	-53.180	-69.412	60.737	1.00	0.00	O
ATOM	19	H2	A A	1	-57.960	-65.111	65.397	1.00	0.00	H
ATOM	20	H8	A A	1	-53.068	-68.437	62.921	1.00	0.00	H
ATOM	21	H1'	A A	1	-55.714	-65.925	61.589	1.00	0.00	H
ATOM	22	H3'	A A	1	-53.347	-67.481	58.861	1.00	0.00	H
ATOM	23	H4'	A A	1	-55.809	-68.450	58.963	1.00	0.00	H
ATOM	24	H61	A A	1	-55.527	-67.274	68.502	1.00	0.00	H
ATOM	25	H62	A A	1	-54.236	-68.124	67.613	1.00	0.00	H
ATOM	26	H5T	A A	1	-52.447	-70.002	60.549	1.00	0.00	H
ATOM	27	H2'1	A A	1	-52.955	-67.124	61.203	1.00	0.00	H
ATOM	28	H2'2	A A	1	-53.539	-65.536	60.727	1.00	0.00	H

ATOM	29	H5'1	A A	1	-55.091	-70.250	60.691	1.00	0.00	H
ATOM	30	H5'2	A A	1	-54.273	-70.146	59.119	1.00	0.00	H
ATOM	31	C1'	G A	2	-56.291	-62.072	62.474	1.00	0.00	C
ATOM	32	N1	G A	2	-55.183	-63.243	67.313	1.00	0.00	N
ATOM	33	C2	G A	2	-56.229	-62.502	66.798	1.00	0.00	C
ATOM	34	N2	G A	2	-57.095	-62.006	67.689	1.00	0.00	N
ATOM	35	N3	G A	2	-56.400	-62.275	65.497	1.00	0.00	N
ATOM	36	C4	G A	2	-55.427	-62.848	64.740	1.00	0.00	C
ATOM	37	C5	G A	2	-54.344	-63.601	65.167	1.00	0.00	C
ATOM	38	C6	G A	2	-54.166	-63.845	66.549	1.00	0.00	C
ATOM	39	O6	G A	2	-53.279	-64.484	67.116	1.00	0.00	O
ATOM	40	N7	G A	2	-53.576	-64.005	64.073	1.00	0.00	N
ATOM	41	C8	G A	2	-54.204	-63.500	63.042	1.00	0.00	C
ATOM	42	N9	G A	2	-55.337	-62.783	63.367	1.00	0.00	N
ATOM	43	C2'	G A	2	-55.628	-61.383	61.290	1.00	0.00	C
ATOM	44	C3'	G A	2	-56.662	-61.568	60.192	1.00	0.00	C
ATOM	45	O3'	G A	2	-57.636	-60.532	60.288	1.00	0.00	O
ATOM	46	C4'	G A	2	-57.249	-62.944	60.508	1.00	0.00	C
ATOM	47	O4'	G A	2	-57.202	-63.029	61.966	1.00	0.00	O
ATOM	48	C5'	G A	2	-56.520	-64.132	59.928	1.00	0.00	C
ATOM	49	O5'	G A	2	-55.092	-63.888	59.944	1.00	0.00	O
ATOM	50	O1P	G A	2	-54.494	-63.774	57.502	1.00	0.00	O
ATOM	51	O2P	G A	2	-52.776	-64.495	59.182	1.00	0.00	O
ATOM	52	P	G A	2	-54.199	-64.480	58.764	1.00	0.00	P
ATOM	53	H1	G A	2	-55.144	-63.362	68.336	1.00	0.00	H
ATOM	54	H8	G A	2	-53.862	-63.633	62.017	1.00	0.00	H
ATOM	55	H1'	G A	2	-56.855	-61.359	63.075	1.00	0.00	H
ATOM	56	H21	G A	2	-56.958	-62.187	68.694	1.00	0.00	H
ATOM	57	H3'	G A	2	-56.212	-61.551	59.199	1.00	0.00	H
ATOM	58	H22	G A	2	-57.896	-61.444	67.369	1.00	0.00	H
ATOM	59	H4'	G A	2	-58.265	-62.951	60.114	1.00	0.00	H
ATOM	60	H2'1	G A	2	-54.678	-61.847	61.022	1.00	0.00	H
ATOM	61	H2'2	G A	2	-55.435	-60.327	61.481	1.00	0.00	H
ATOM	62	H5'1	G A	2	-56.749	-65.017	60.522	1.00	0.00	H
ATOM	63	H5'2	G A	2	-56.856	-64.293	58.904	1.00	0.00	H
ATOM	64	C1'	G A	3	-56.954	-58.097	65.353	1.00	0.00	C
ATOM	65	N1	G A	3	-53.560	-60.418	68.369	1.00	0.00	N
ATOM	66	C2	G A	3	-54.730	-59.761	68.694	1.00	0.00	C
ATOM	67	N2	G A	3	-55.038	-59.712	69.997	1.00	0.00	N
ATOM	68	N3	G A	3	-55.531	-59.197	67.794	1.00	0.00	N
ATOM	69	C4	G A	3	-55.063	-59.335	66.526	1.00	0.00	C
ATOM	70	C5	G A	3	-53.905	-59.972	66.108	1.00	0.00	C
ATOM	71	C6	G A	3	-53.057	-60.575	67.065	1.00	0.00	C
ATOM	72	O6	G A	3	-51.998	-61.180	66.892	1.00	0.00	O
ATOM	73	N7	G A	3	-53.785	-59.891	64.720	1.00	0.00	N
ATOM	74	C8	G A	3	-54.848	-59.228	64.348	1.00	0.00	C
ATOM	75	N9	G A	3	-55.674	-58.855	65.388	1.00	0.00	N
ATOM	76	C2'	G A	3	-56.979	-56.983	64.316	1.00	0.00	C
ATOM	77	C3'	G A	3	-58.422	-57.021	63.843	1.00	0.00	C
ATOM	78	O3'	G A	3	-59.228	-56.252	64.734	1.00	0.00	O
ATOM	79	C4'	G A	3	-58.761	-58.510	63.899	1.00	0.00	C
ATOM	80	O4'	G A	3	-57.987	-59.011	65.036	1.00	0.00	O
ATOM	81	C5'	G A	3	-58.408	-59.324	62.678	1.00	0.00	C
ATOM	82	O5'	G A	3	-57.167	-58.842	62.107	1.00	0.00	O

ATOM	83	O1P	G A	3	-57.873	-57.909	59.878	1.00	0.00	O
ATOM	84	O2P	G A	3	-55.539	-58.768	60.195	1.00	0.00	O
ATOM	85	P	G A	3	-56.980	-58.889	60.523	1.00	0.00	P
ATOM	86	H1	G A	3	-53.013	-60.825	69.144	1.00	0.00	H
ATOM	87	H8	G A	3	-55.065	-58.990	63.307	1.00	0.00	H
ATOM	88	H1'	G A	3	-57.148	-57.707	66.351	1.00	0.00	H
ATOM	89	H21	G A	3	-54.415	-60.153	70.689	1.00	0.00	H
ATOM	90	H3'	G A	3	-58.532	-56.631	62.830	1.00	0.00	H
ATOM	91	H22	G A	3	-55.895	-59.234	70.305	1.00	0.00	H
ATOM	92	H4'	G A	3	-59.837	-58.585	64.051	1.00	0.00	H
ATOM	93	H2'1	G A	3	-56.287	-57.167	63.494	1.00	0.00	H
ATOM	94	H2'2	G A	3	-56.727	-56.013	64.745	1.00	0.00	H
ATOM	95	H5'1	G A	3	-58.301	-60.370	62.964	1.00	0.00	H
ATOM	96	H5'2	G A	3	-59.210	-59.235	61.945	1.00	0.00	H
ATOM	97	C1'	C A	4	-56.125	-55.332	69.377	1.00	0.00	C
ATOM	98	N1	C A	4	-54.988	-55.826	68.551	1.00	0.00	N
ATOM	99	C2	C A	4	-53.952	-56.493	69.201	1.00	0.00	C
ATOM	100	O2	C A	4	-54.017	-56.647	70.427	1.00	0.00	O
ATOM	101	N3	C A	4	-52.909	-56.950	68.467	1.00	0.00	N
ATOM	102	C4	C A	4	-52.866	-56.765	67.141	1.00	0.00	C
ATOM	103	N4	C A	4	-51.823	-57.236	66.473	1.00	0.00	N
ATOM	104	C5	C A	4	-53.917	-56.080	66.449	1.00	0.00	C
ATOM	105	C6	C A	4	-54.959	-55.632	67.206	1.00	0.00	C
ATOM	106	C2'	C A	4	-56.670	-53.985	68.927	1.00	0.00	C
ATOM	107	C3'	C A	4	-58.160	-54.139	69.197	1.00	0.00	C
ATOM	108	O3'	C A	4	-58.422	-53.824	70.564	1.00	0.00	O
ATOM	109	C4'	C A	4	-58.411	-55.613	68.887	1.00	0.00	C
ATOM	110	O4'	C A	4	-57.170	-56.282	69.281	1.00	0.00	O
ATOM	111	C5'	C A	4	-58.705	-55.954	67.445	1.00	0.00	C
ATOM	112	O5'	C A	4	-57.915	-55.108	66.570	1.00	0.00	O
ATOM	113	O1P	C A	4	-59.643	-53.701	65.401	1.00	0.00	O
ATOM	114	O2P	C A	4	-57.452	-54.184	64.279	1.00	0.00	O
ATOM	115	P	C A	4	-58.538	-54.653	65.174	1.00	0.00	P
ATOM	116	H5	C A	4	-53.884	-55.924	65.369	1.00	0.00	H
ATOM	117	H6	C A	4	-55.784	-55.109	66.724	1.00	0.00	H
ATOM	118	H1'	C A	4	-55.799	-55.296	70.416	1.00	0.00	H
ATOM	119	H3'	C A	4	-58.759	-53.493	68.557	1.00	0.00	H
ATOM	120	H4'	C A	4	-59.269	-55.921	69.483	1.00	0.00	H
ATOM	121	H41	C A	4	-51.767	-57.109	65.452	1.00	0.00	H
ATOM	122	H42	C A	4	-51.068	-57.726	66.973	1.00	0.00	H
ATOM	123	H2'1	C A	4	-56.478	-53.790	67.873	1.00	0.00	H
ATOM	124	H2'2	C A	4	-56.247	-53.156	69.497	1.00	0.00	H
ATOM	125	H5'1	C A	4	-58.459	-57.000	67.265	1.00	0.00	H
ATOM	126	H5'2	C A	4	-59.766	-55.796	67.249	1.00	0.00	H
ATOM	127	C1'	C A	5	-53.417	-53.769	73.218	1.00	0.00	C
ATOM	128	N1	C A	5	-52.842	-53.784	71.845	1.00	0.00	N
ATOM	129	C2	C A	5	-51.615	-54.415	71.659	1.00	0.00	C
ATOM	130	O2	C A	5	-51.053	-54.932	72.634	1.00	0.00	O
ATOM	131	N3	C A	5	-51.074	-54.439	70.415	1.00	0.00	N
ATOM	132	C4	C A	5	-51.702	-53.869	69.380	1.00	0.00	C
ATOM	133	N4	C A	5	-51.132	-53.926	68.187	1.00	0.00	N
ATOM	134	C5	C A	5	-52.966	-53.213	69.543	1.00	0.00	C
ATOM	135	C6	C A	5	-53.492	-53.203	70.802	1.00	0.00	C
ATOM	136	C2'	C A	5	-54.128	-52.471	73.572	1.00	0.00	C

ATOM	137	C3'	C A	5	-55.279	-52.965	74.434	1.00	0.00	C
ATOM	138	O3'	C A	5	-54.825	-53.118	75.777	1.00	0.00	O
ATOM	139	C4'	C A	5	-55.637	-54.301	73.790	1.00	0.00	C
ATOM	140	O4'	C A	5	-54.361	-54.821	73.301	1.00	0.00	O
ATOM	141	C5'	C A	5	-56.612	-54.250	72.636	1.00	0.00	C
ATOM	142	O5'	C A	5	-56.375	-53.057	71.845	1.00	0.00	O
ATOM	143	O1P	C A	5	-58.469	-51.705	72.188	1.00	0.00	O
ATOM	144	O2P	C A	5	-57.130	-51.434	70.084	1.00	0.00	O
ATOM	145	P	C A	5	-57.617	-52.332	71.159	1.00	0.00	P
ATOM	146	H5	C A	5	-53.481	-52.743	68.704	1.00	0.00	H
ATOM	147	H6	C A	5	-54.454	-52.719	70.975	1.00	0.00	H
ATOM	148	H1'	C A	5	-52.614	-53.982	73.924	1.00	0.00	H
ATOM	149	H3'	C A	5	-56.126	-52.278	74.416	1.00	0.00	H
ATOM	150	H4'	C A	5	-56.080	-54.920	74.571	1.00	0.00	H
ATOM	151	H41	C A	5	-51.595	-53.497	67.373	1.00	0.00	H
ATOM	152	H42	C A	5	-50.222	-54.397	68.072	1.00	0.00	H
ATOM	153	H2'1	C A	5	-54.491	-51.944	72.690	1.00	0.00	H
ATOM	154	H2'2	C A	5	-53.484	-51.784	74.123	1.00	0.00	H
ATOM	155	H5'1	C A	5	-56.479	-55.136	72.015	1.00	0.00	H
ATOM	156	H5'2	C A	5	-57.628	-54.237	73.028	1.00	0.00	H
ATOM	157	C1'	G A	6	-49.164	-52.942	75.617	1.00	0.00	C
ATOM	158	N1	G A	6	-47.193	-52.808	70.913	1.00	0.00	N
ATOM	159	C2	G A	6	-46.706	-53.405	72.063	1.00	0.00	C
ATOM	160	N2	G A	6	-45.539	-54.049	71.945	1.00	0.00	N
ATOM	161	N3	G A	6	-47.335	-53.362	73.237	1.00	0.00	N
ATOM	162	C4	G A	6	-48.498	-52.661	73.173	1.00	0.00	C
ATOM	163	C5	G A	6	-49.059	-52.032	72.076	1.00	0.00	C
ATOM	164	C6	G A	6	-48.394	-52.080	70.829	1.00	0.00	C
ATOM	165	O6	G A	6	-48.728	-51.587	69.751	1.00	0.00	O
ATOM	166	N7	G A	6	-50.262	-51.420	72.432	1.00	0.00	N
ATOM	167	C8	G A	6	-50.393	-51.695	73.703	1.00	0.00	C
ATOM	168	N9	G A	6	-49.359	-52.446	74.227	1.00	0.00	N
ATOM	169	C2'	G A	6	-49.616	-51.961	76.688	1.00	0.00	C
ATOM	170	C3'	G A	6	-50.168	-52.889	77.757	1.00	0.00	C
ATOM	171	O3'	G A	6	-49.099	-53.343	78.583	1.00	0.00	O
ATOM	172	C4'	G A	6	-50.788	-54.020	76.938	1.00	0.00	C
ATOM	173	O4'	G A	6	-49.924	-54.127	75.763	1.00	0.00	O
ATOM	174	C5'	G A	6	-52.210	-53.813	76.476	1.00	0.00	C
ATOM	175	O5'	G A	6	-52.419	-52.419	76.136	1.00	0.00	O
ATOM	176	O1P	G A	6	-54.072	-51.639	77.866	1.00	0.00	O
ATOM	177	O2P	G A	6	-53.980	-50.518	75.623	1.00	0.00	O
ATOM	178	P	G A	6	-53.847	-51.767	76.414	1.00	0.00	P
ATOM	179	H1	G A	6	-46.632	-52.907	70.053	1.00	0.00	H
ATOM	180	H8	G A	6	-51.241	-51.362	74.300	1.00	0.00	H
ATOM	181	H1'	G A	6	-48.111	-53.201	75.741	1.00	0.00	H
ATOM	182	H21	G A	6	-45.060	-54.082	71.034	1.00	0.00	H
ATOM	183	H3'	G A	6	-50.919	-52.397	78.379	1.00	0.00	H
ATOM	184	H22	G A	6	-45.121	-54.512	72.765	1.00	0.00	H
ATOM	185	H4'	G A	6	-50.767	-54.912	77.563	1.00	0.00	H
ATOM	186	H2'1	G A	6	-50.381	-51.274	76.324	1.00	0.00	H
ATOM	187	H2'2	G A	6	-48.792	-51.358	77.072	1.00	0.00	H
ATOM	188	H5'1	G A	6	-52.398	-54.437	75.602	1.00	0.00	H
ATOM	189	H5'2	G A	6	-52.893	-54.103	77.275	1.00	0.00	H
ATOM	190	C1'	C A	7	-44.289	-52.103	75.867	1.00	0.00	C

ATOM	191	N1	C A	7	-45.156	-51.266	74.995	1.00	0.00	N
ATOM	192	C2	C A	7	-44.781	-51.109	73.663	1.00	0.00	C
ATOM	193	O2	C A	7	-43.750	-51.665	73.261	1.00	0.00	O
ATOM	194	N3	C A	7	-45.557	-50.350	72.849	1.00	0.00	N
ATOM	195	C4	C A	7	-46.666	-49.758	73.312	1.00	0.00	C
ATOM	196	N4	C A	7	-47.388	-49.030	72.474	1.00	0.00	N
ATOM	197	C5	C A	7	-47.074	-49.899	74.679	1.00	0.00	C
ATOM	198	C6	C A	7	-46.280	-50.672	75.479	1.00	0.00	C
ATOM	199	C2'	C A	7	-44.153	-51.573	77.288	1.00	0.00	C
ATOM	200	C3'	C A	7	-44.092	-52.857	78.102	1.00	0.00	C
ATOM	201	O3'	C A	7	-42.748	-53.336	78.120	1.00	0.00	O
ATOM	202	C4'	C A	7	-45.027	-53.790	77.336	1.00	0.00	C
ATOM	203	O4'	C A	7	-44.867	-53.394	75.937	1.00	0.00	O
ATOM	204	C5'	C A	7	-46.494	-53.710	77.694	1.00	0.00	C
ATOM	205	O5'	C A	7	-46.853	-52.337	77.991	1.00	0.00	O
ATOM	206	O1P	C A	7	-47.429	-52.401	80.440	1.00	0.00	O
ATOM	207	O2P	C A	7	-48.476	-50.676	78.949	1.00	0.00	O
ATOM	208	P	C A	7	-47.958	-52.057	79.105	1.00	0.00	P
ATOM	209	H5	C A	7	-47.972	-49.415	75.064	1.00	0.00	H
ATOM	210	H6	C A	7	-46.553	-50.816	76.524	1.00	0.00	H
ATOM	211	H1'	C A	7	-43.314	-52.198	75.391	1.00	0.00	H
ATOM	212	H3'	C A	7	-44.435	-52.707	79.126	1.00	0.00	H
ATOM	213	H4'	C A	7	-44.691	-54.807	77.534	1.00	0.00	H
ATOM	214	H41	C A	7	-48.247	-48.567	72.803	1.00	0.00	H
ATOM	215	H42	C A	7	-47.093	-48.927	71.492	1.00	0.00	H
ATOM	216	H2'1	C A	7	-45.002	-50.957	77.583	1.00	0.00	H
ATOM	217	H2'2	C A	7	-43.251	-50.974	77.422	1.00	0.00	H
ATOM	218	H5'1	C A	7	-47.088	-54.074	76.855	1.00	0.00	H
ATOM	219	H5'2	C A	7	-46.684	-54.337	78.565	1.00	0.00	H
ATOM	220	C1'	A A	8	-39.943	-50.523	74.102	1.00	0.00	C
ATOM	221	N1	A A	8	-42.883	-47.494	71.181	1.00	0.00	N
ATOM	222	C2	A A	8	-41.797	-48.215	70.919	1.00	0.00	C
ATOM	223	N3	A A	8	-41.086	-48.979	71.720	1.00	0.00	N
ATOM	224	C4	A A	8	-41.608	-48.961	72.962	1.00	0.00	C
ATOM	225	C5	A A	8	-42.710	-48.279	73.392	1.00	0.00	C
ATOM	226	C6	A A	8	-43.381	-47.498	72.427	1.00	0.00	C
ATOM	227	N6	A A	8	-44.478	-46.773	72.703	1.00	0.00	N
ATOM	228	N7	A A	8	-42.945	-48.504	74.738	1.00	0.00	N
ATOM	229	C8	A A	8	-41.986	-49.309	75.091	1.00	0.00	C
ATOM	230	N9	A A	8	-41.136	-49.633	74.064	1.00	0.00	N
ATOM	231	C2'	A A	8	-39.137	-50.412	75.389	1.00	0.00	C
ATOM	232	C3'	A A	8	-38.669	-51.845	75.592	1.00	0.00	C
ATOM	233	O3'	A A	8	-37.485	-52.062	74.830	1.00	0.00	O
ATOM	234	C4'	A A	8	-39.849	-52.666	75.072	1.00	0.00	C
ATOM	235	O4'	A A	8	-40.397	-51.856	73.981	1.00	0.00	O
ATOM	236	C5'	A A	8	-40.952	-52.956	76.063	1.00	0.00	C
ATOM	237	O5'	A A	8	-41.139	-51.814	76.937	1.00	0.00	O
ATOM	238	O1P	A A	8	-40.441	-52.690	79.192	1.00	0.00	O
ATOM	239	O2P	A A	8	-42.106	-50.818	79.031	1.00	0.00	O
ATOM	240	P	A A	8	-41.560	-52.072	78.454	1.00	0.00	P
ATOM	241	H2	A A	8	-41.443	-48.166	69.891	1.00	0.00	H
ATOM	242	H8	A A	8	-41.868	-49.690	76.104	1.00	0.00	H
ATOM	243	H1'	A A	8	-39.325	-50.300	73.233	1.00	0.00	H
ATOM	244	H3'	A A	8	-38.469	-52.064	76.641	1.00	0.00	H



ATOM	245	H4'	A A	8	-39.446	-53.619	74.733	1.00	0.00	H
ATOM	246	H61	A A	8	-44.931	-46.223	71.961	1.00	0.00	H
ATOM	247	H62	A A	8	-44.864	-46.769	73.659	1.00	0.00	H
ATOM	248	H2'1	A A	8	-39.741	-50.069	76.227	1.00	0.00	H
ATOM	249	H2'2	A A	8	-38.293	-49.730	75.289	1.00	0.00	H
ATOM	250	H5'1	A A	8	-41.875	-53.157	75.519	1.00	0.00	H
ATOM	251	H5'2	A A	8	-40.683	-53.831	76.652	1.00	0.00	H
ATOM	252	C1'	C A	9	-37.111	-47.706	71.151	1.00	0.00	C
ATOM	253	N1	C A	9	-38.163	-47.085	72.002	1.00	0.00	N
ATOM	254	C2	C A	9	-39.072	-46.222	71.392	1.00	0.00	C
ATOM	255	O2	C A	9	-38.967	-46.009	70.177	1.00	0.00	O
ATOM	256	N3	C A	9	-40.036	-45.647	72.148	1.00	0.00	N
ATOM	257	C4	C A	9	-40.123	-45.896	73.462	1.00	0.00	C
ATOM	258	N4	C A	9	-41.088	-45.309	74.153	1.00	0.00	N
ATOM	259	C5	C A	9	-39.199	-46.776	74.118	1.00	0.00	C
ATOM	260	C6	C A	9	-38.238	-47.349	73.334	1.00	0.00	C
ATOM	261	C2'	C A	9	-35.760	-47.832	71.841	1.00	0.00	C
ATOM	262	C3'	C A	9	-35.240	-49.150	71.282	1.00	0.00	C
ATOM	263	O3'	C A	9	-34.612	-48.908	70.025	1.00	0.00	O
ATOM	264	C4'	C A	9	-36.511	-49.983	71.140	1.00	0.00	C
ATOM	265	O4'	C A	9	-37.550	-49.007	70.806	1.00	0.00	O
ATOM	266	C5'	C A	9	-36.950	-50.752	72.364	1.00	0.00	C
ATOM	267	O5'	C A	9	-36.670	-49.976	73.557	1.00	0.00	O
ATOM	268	O1P	C A	9	-34.909	-51.332	74.736	1.00	0.00	O
ATOM	269	O2P	C A	9	-36.436	-49.843	76.056	1.00	0.00	O
ATOM	270	P	C A	9	-36.252	-50.744	74.891	1.00	0.00	P
ATOM	271	H5	C A	9	-39.262	-46.978	75.188	1.00	0.00	H
ATOM	272	H6	C A	9	-37.518	-48.031	73.786	1.00	0.00	H
ATOM	273	H1'	C A	9	-37.028	-47.125	70.233	1.00	0.00	H
ATOM	274	H3'	C A	9	-34.530	-49.626	71.956	1.00	0.00	H
ATOM	275	H4'	C A	9	-36.331	-50.703	70.342	1.00	0.00	H
ATOM	276	H41	C A	9	-41.179	-45.487	75.165	1.00	0.00	H
ATOM	277	H42	C A	9	-41.749	-44.675	73.680	1.00	0.00	H
ATOM	278	H2'1	C A	9	-35.850	-47.872	72.926	1.00	0.00	H
ATOM	279	H2'2	C A	9	-35.092	-47.005	71.597	1.00	0.00	H
ATOM	280	H5'1	C A	9	-38.019	-50.955	72.298	1.00	0.00	H
ATOM	281	H5'2	C A	9	-36.409	-51.698	72.404	1.00	0.00	H
ATOM	282	C1'	C A	10	-36.146	-43.700	68.405	1.00	0.00	C
ATOM	283	N1	C A	10	-36.635	-43.557	69.803	1.00	0.00	N
ATOM	284	C2	C A	10	-37.735	-42.732	70.027	1.00	0.00	C
ATOM	285	O2	C A	10	-38.258	-42.155	69.064	1.00	0.00	O
ATOM	286	N3	C A	10	-38.198	-42.588	71.293	1.00	0.00	N
ATOM	287	C4	C A	10	-37.613	-43.224	72.316	1.00	0.00	C
ATOM	288	N4	C A	10	-38.107	-43.050	73.534	1.00	0.00	N
ATOM	289	C5	C A	10	-36.477	-44.075	72.116	1.00	0.00	C
ATOM	290	C6	C A	10	-36.031	-44.210	70.832	1.00	0.00	C
ATOM	291	C2'	C A	10	-34.630	-43.778	68.291	1.00	0.00	C
ATOM	292	C3'	C A	10	-34.448	-44.755	67.139	1.00	0.00	C
ATOM	293	O3'	C A	10	-34.535	-44.045	65.906	1.00	0.00	O
ATOM	294	C4'	C A	10	-35.611	-45.725	67.330	1.00	0.00	C
ATOM	295	O4'	C A	10	-36.686	-44.899	67.879	1.00	0.00	O
ATOM	296	C5'	C A	10	-35.370	-46.887	68.267	1.00	0.00	C
ATOM	297	O5'	C A	10	-34.538	-46.458	69.374	1.00	0.00	O
ATOM	298	O1P	C A	10	-32.410	-47.759	69.043	1.00	0.00	O

ATOM	299	O2P	C	A	10	-33.085	-47.024	71.344	1.00	0.00	O
ATOM	300	P	C	A	10	-33.501	-47.495	70.000	1.00	0.00	P
ATOM	301	H5	C	A	10	-35.993	-44.591	72.946	1.00	0.00	H
ATOM	302	H6	C	A	10	-35.176	-44.852	70.628	1.00	0.00	H
ATOM	303	H1'	C	A	10	-36.540	-42.869	67.819	1.00	0.00	H
ATOM	304	H3'	C	A	10	-33.491	-45.272	67.190	1.00	0.00	H
ATOM	305	H4'	C	A	10	-35.847	-46.135	66.348	1.00	0.00	H
ATOM	306	H41	C	A	10	-37.677	-43.530	74.337	1.00	0.00	H
ATOM	307	H42	C	A	10	-38.922	-42.436	73.675	1.00	0.00	H
ATOM	308	H2'1	C	A	10	-34.164	-44.150	69.202	1.00	0.00	H
ATOM	309	H2'2	C	A	10	-34.182	-42.809	68.064	1.00	0.00	H
ATOM	310	H5'1	C	A	10	-36.327	-47.249	68.643	1.00	0.00	H
ATOM	311	H5'2	C	A	10	-34.873	-47.688	67.720	1.00	0.00	H
ATOM	312	C1'	T	A	11	-36.714	-38.965	67.080	1.00	0.00	C
ATOM	313	N1	T	A	11	-36.456	-39.316	68.502	1.00	0.00	N
ATOM	314	C2	T	A	11	-37.315	-38.790	69.446	1.00	0.00	C
ATOM	315	O2	T	A	11	-38.252	-38.066	69.156	1.00	0.00	O
ATOM	316	N3	T	A	11	-37.040	-39.142	70.755	1.00	0.00	N
ATOM	317	C4	T	A	11	-36.007	-39.949	71.188	1.00	0.00	C
ATOM	318	O4	T	A	11	-35.858	-40.192	72.393	1.00	0.00	O
ATOM	319	C5	T	A	11	-35.163	-40.450	70.130	1.00	0.00	C
ATOM	320	C6	T	A	11	-35.403	-40.128	68.844	1.00	0.00	C
ATOM	321	C7	T	A	11	-34.029	-41.334	70.556	1.00	0.00	C
ATOM	322	C2'	T	A	11	-35.448	-38.742	66.263	1.00	0.00	C
ATOM	323	C3'	T	A	11	-35.843	-39.300	64.905	1.00	0.00	C
ATOM	324	O3'	T	A	11	-36.533	-38.293	64.167	1.00	0.00	O
ATOM	325	C4'	T	A	11	-36.752	-40.470	65.271	1.00	0.00	C
ATOM	326	O4'	T	A	11	-37.428	-40.036	66.493	1.00	0.00	O
ATOM	327	C5'	T	A	11	-36.070	-41.792	65.541	1.00	0.00	C
ATOM	328	O5'	T	A	11	-34.807	-41.563	66.213	1.00	0.00	O
ATOM	329	O1P	T	A	11	-33.101	-42.323	64.526	1.00	0.00	O
ATOM	330	O2P	T	A	11	-32.568	-42.410	66.977	1.00	0.00	O
ATOM	331	P	T	A	11	-33.584	-42.538	65.904	1.00	0.00	P
ATOM	332	H3	T	A	11	-37.668	-38.767	71.478	1.00	0.00	H
ATOM	333	H6	T	A	11	-34.752	-40.519	68.060	1.00	0.00	H
ATOM	334	H1'	T	A	11	-37.353	-38.082	67.055	1.00	0.00	H
ATOM	335	H3'	T	A	11	-34.978	-39.635	64.334	1.00	0.00	H
ATOM	336	H4'	T	A	11	-37.437	-40.614	64.434	1.00	0.00	H
ATOM	337	H71	T	A	11	-33.082	-40.839	70.340	1.00	0.00	H
ATOM	338	H72	T	A	11	-34.102	-41.527	71.628	1.00	0.00	H
ATOM	339	H73	T	A	11	-34.079	-42.278	70.014	1.00	0.00	H
ATOM	340	H2'1	T	A	11	-34.592	-39.274	66.675	1.00	0.00	H
ATOM	341	H2'2	T	A	11	-35.178	-37.687	66.196	1.00	0.00	H
ATOM	342	H5'1	T	A	11	-36.716	-42.408	66.166	1.00	0.00	H
ATOM	343	H5'2	T	A	11	-35.896	-42.304	64.593	1.00	0.00	H
ATOM	344	C1'	A	A	12	-37.927	-34.226	67.918	1.00	0.00	C
ATOM	345	N1	A	A	12	-36.835	-35.390	72.796	1.00	0.00	N
ATOM	346	C2	A	A	12	-37.815	-34.688	72.237	1.00	0.00	C
ATOM	347	N3	A	A	12	-38.041	-34.428	70.966	1.00	0.00	N
ATOM	348	C4	A	A	12	-37.088	-34.989	70.201	1.00	0.00	C
ATOM	349	C5	A	A	12	-36.020	-35.733	70.615	1.00	0.00	C
ATOM	350	C6	A	A	12	-35.898	-35.938	72.005	1.00	0.00	C
ATOM	351	N6	A	A	12	-34.901	-36.649	72.558	1.00	0.00	N
ATOM	352	N7	A	A	12	-35.252	-36.146	69.541	1.00	0.00	N

ATOM	353	C8	A	A	12	-35.863	-35.643	68.508	1.00	0.00	C
ATOM	354	N9	A	A	12	-36.988	-34.929	68.832	1.00	0.00	N
ATOM	355	C2'	A	A	12	-37.243	-33.551	66.737	1.00	0.00	C
ATOM	356	C3'	A	A	12	-38.264	-33.744	65.626	1.00	0.00	C
ATOM	357	O3'	A	A	12	-39.236	-32.703	65.699	1.00	0.00	O
ATOM	358	C4'	A	A	12	-38.860	-35.114	65.946	1.00	0.00	C
ATOM	359	O4'	A	A	12	-38.832	-35.186	67.408	1.00	0.00	O
ATOM	360	C5'	A	A	12	-38.128	-36.310	65.389	1.00	0.00	C
ATOM	361	O5'	A	A	12	-36.697	-36.071	65.423	1.00	0.00	O
ATOM	362	O1P	A	A	12	-36.064	-35.981	62.988	1.00	0.00	O
ATOM	363	O2P	A	A	12	-34.372	-36.692	64.700	1.00	0.00	O
ATOM	364	P	A	A	12	-35.790	-36.677	64.260	1.00	0.00	P
ATOM	365	H2	A	A	12	-38.540	-34.267	72.933	1.00	0.00	H
ATOM	366	H8	A	A	12	-35.515	-35.775	67.483	1.00	0.00	H
ATOM	367	H1'	A	A	12	-38.498	-33.505	68.503	1.00	0.00	H
ATOM	368	H3'	A	A	12	-37.802	-33.737	64.640	1.00	0.00	H
ATOM	369	H4'	A	A	12	-39.871	-35.121	65.538	1.00	0.00	H
ATOM	370	H61	A	A	12	-34.859	-36.772	73.580	1.00	0.00	H
ATOM	371	H62	A	A	12	-34.176	-37.072	71.958	1.00	0.00	H
ATOM	372	H2'1	A	A	12	-36.292	-34.019	66.487	1.00	0.00	H
ATOM	373	H2'2	A	A	12	-37.050	-32.494	66.920	1.00	0.00	H
ATOM	374	H5'1	A	A	12	-38.368	-37.187	65.989	1.00	0.00	H
ATOM	375	H5'2	A	A	12	-38.448	-36.480	64.362	1.00	0.00	H
ATOM	376	C1'	G	A	13	-38.591	-30.253	70.821	1.00	0.00	C
ATOM	377	N1	G	A	13	-35.196	-32.575	73.838	1.00	0.00	N
ATOM	378	C2	G	A	13	-36.368	-31.916	74.163	1.00	0.00	C
ATOM	379	N2	G	A	13	-36.675	-31.866	75.467	1.00	0.00	N
ATOM	380	N3	G	A	13	-37.168	-31.351	73.262	1.00	0.00	N
ATOM	381	C4	G	A	13	-36.699	-31.491	71.994	1.00	0.00	C
ATOM	382	C5	G	A	13	-35.542	-32.127	71.576	1.00	0.00	C
ATOM	383	C6	G	A	13	-34.693	-32.731	72.534	1.00	0.00	C
ATOM	384	O6	G	A	13	-33.633	-33.334	72.359	1.00	0.00	O
ATOM	385	N7	G	A	13	-35.421	-32.047	70.188	1.00	0.00	N
ATOM	386	C8	G	A	13	-36.485	-31.384	69.816	1.00	0.00	C
ATOM	387	N9	G	A	13	-37.309	-31.011	70.857	1.00	0.00	N
ATOM	388	C2'	G	A	13	-38.616	-29.139	69.785	1.00	0.00	C
ATOM	389	C3'	G	A	13	-40.059	-29.176	69.311	1.00	0.00	C
ATOM	390	O3'	G	A	13	-40.864	-28.408	70.202	1.00	0.00	O
ATOM	391	C4'	G	A	13	-40.397	-30.665	69.368	1.00	0.00	C
ATOM	392	O4'	G	A	13	-39.623	-31.167	70.504	1.00	0.00	O
ATOM	393	C5'	G	A	13	-40.044	-31.480	68.146	1.00	0.00	C
ATOM	394	O5'	G	A	13	-38.803	-30.997	67.576	1.00	0.00	O
ATOM	395	O1P	G	A	13	-39.510	-30.064	65.346	1.00	0.00	O
ATOM	396	O2P	G	A	13	-37.174	-30.924	65.663	1.00	0.00	O
ATOM	397	P	G	A	13	-38.616	-31.044	65.992	1.00	0.00	P
ATOM	398	H1	G	A	13	-34.649	-32.984	74.613	1.00	0.00	H
ATOM	399	H8	G	A	13	-36.702	-31.145	68.775	1.00	0.00	H
ATOM	400	H1'	G	A	13	-38.785	-29.862	71.820	1.00	0.00	H
ATOM	401	H21	G	A	13	-36.051	-32.309	76.158	1.00	0.00	H
ATOM	402	H3'	G	A	13	-40.168	-28.786	68.298	1.00	0.00	H
ATOM	403	H22	G	A	13	-37.532	-31.388	75.774	1.00	0.00	H
ATOM	404	H4'	G	A	13	-41.473	-30.741	69.520	1.00	0.00	H
ATOM	405	H2'1	G	A	13	-37.924	-29.323	68.962	1.00	0.00	H
ATOM	406	H2'2	G	A	13	-38.363	-28.168	70.214	1.00	0.00	H

ATOM	407	H5'1	G A	13	-39.937	-32.526	68.432	1.00	0.00	H
ATOM	408	H5'2	G A	13	-40.846	-31.391	67.413	1.00	0.00	H
ATOM	409	C1'	G A	14	-37.760	-27.488	74.845	1.00	0.00	C
ATOM	410	N1	G A	14	-33.288	-29.941	74.914	1.00	0.00	N
ATOM	411	C2	G A	14	-34.146	-29.630	75.953	1.00	0.00	C
ATOM	412	N2	G A	14	-33.760	-30.020	77.174	1.00	0.00	N
ATOM	413	N3	G A	14	-35.297	-28.979	75.788	1.00	0.00	N
ATOM	414	C4	G A	14	-35.523	-28.654	74.489	1.00	0.00	C
ATOM	415	C5	G A	14	-34.725	-28.920	73.390	1.00	0.00	C
ATOM	416	C6	G A	14	-33.506	-29.612	73.562	1.00	0.00	C
ATOM	417	O6	G A	14	-32.670	-29.937	72.719	1.00	0.00	O
ATOM	418	N7	G A	14	-35.318	-28.413	72.230	1.00	0.00	N
ATOM	419	C8	G A	14	-36.432	-27.873	72.654	1.00	0.00	C
ATOM	420	N9	G A	14	-36.626	-27.978	74.015	1.00	0.00	N
ATOM	421	C2'	G A	14	-38.312	-26.142	74.397	1.00	0.00	C
ATOM	422	C3'	G A	14	-39.799	-26.298	74.674	1.00	0.00	C
ATOM	423	O3'	G A	14	-40.057	-25.984	76.040	1.00	0.00	O
ATOM	424	C4'	G A	14	-40.047	-27.774	74.364	1.00	0.00	C
ATOM	425	O4'	G A	14	-38.804	-28.439	74.754	1.00	0.00	O
ATOM	426	C5'	G A	14	-40.346	-28.116	72.923	1.00	0.00	C
ATOM	427	O5'	G A	14	-39.563	-27.270	72.046	1.00	0.00	O
ATOM	428	O1P	G A	14	-41.299	-25.868	70.884	1.00	0.00	O
ATOM	429	O2P	G A	14	-39.113	-26.346	69.752	1.00	0.00	O
ATOM	430	P	G A	14	-40.193	-26.816	70.653	1.00	0.00	P
ATOM	431	H1	G A	14	-32.424	-30.454	75.148	1.00	0.00	H
ATOM	432	H8	G A	14	-37.143	-27.383	71.989	1.00	0.00	H
ATOM	433	H1'	G A	14	-37.431	-27.450	75.883	1.00	0.00	H
ATOM	434	H21	G A	14	-32.870	-30.527	77.294	1.00	0.00	H
ATOM	435	H3'	G A	14	-40.403	-25.656	74.035	1.00	0.00	H
ATOM	436	H22	G A	14	-34.352	-29.818	77.991	1.00	0.00	H
ATOM	437	H4'	G A	14	-40.902	-28.084	74.965	1.00	0.00	H
ATOM	438	H2'1	G A	14	-38.124	-25.948	73.341	1.00	0.00	H
ATOM	439	H2'2	G A	14	-37.888	-25.312	74.963	1.00	0.00	H
ATOM	440	H5'1	G A	14	-40.100	-29.162	72.745	1.00	0.00	H
ATOM	441	H5'2	G A	14	-41.410	-27.962	72.732	1.00	0.00	H
ATOM	442	C1'	A A	15	-35.074	-25.916	78.693	1.00	0.00	C
ATOM	443	N1	A A	15	-31.109	-27.450	75.817	1.00	0.00	N
ATOM	444	C2	A A	15	-31.383	-27.579	77.113	1.00	0.00	C
ATOM	445	N3	A A	15	-32.430	-27.160	77.793	1.00	0.00	N
ATOM	446	C4	A A	15	-33.287	-26.518	76.978	1.00	0.00	C
ATOM	447	C5	A A	15	-33.155	-26.300	75.635	1.00	0.00	C
ATOM	448	C6	A A	15	-31.984	-26.805	75.030	1.00	0.00	C
ATOM	449	N6	A A	15	-31.718	-26.667	73.720	1.00	0.00	N
ATOM	450	N7	A A	15	-34.239	-25.603	75.132	1.00	0.00	N
ATOM	451	C8	A A	15	-34.996	-25.411	76.171	1.00	0.00	C
ATOM	452	N9	A A	15	-34.483	-25.941	77.329	1.00	0.00	N
ATOM	453	C2'	A A	15	-35.790	-24.614	79.028	1.00	0.00	C
ATOM	454	C3'	A A	15	-36.951	-25.100	79.883	1.00	0.00	C
ATOM	455	O3'	A A	15	-36.511	-25.242	81.230	1.00	0.00	O
ATOM	456	C4'	A A	15	-37.302	-26.445	79.246	1.00	0.00	C
ATOM	457	O4'	A A	15	-36.016	-26.967	78.776	1.00	0.00	O
ATOM	458	C5'	A A	15	-38.262	-26.406	78.081	1.00	0.00	C
ATOM	459	O5'	A A	15	-38.018	-25.220	77.283	1.00	0.00	O
ATOM	460	O1P	A A	15	-40.118	-23.867	77.590	1.00	0.00	O

ATOM	461	O2P	A	A	15	-38.756	-23.613	75.497	1.00	0.00	O
ATOM	462	P	A	A	15	-39.253	-24.502	76.575	1.00	0.00	P
ATOM	463	H2	A	A	15	-30.631	-28.110	77.697	1.00	0.00	H
ATOM	464	H8	A	A	15	-35.946	-24.880	76.130	1.00	0.00	H
ATOM	465	H1'	A	A	15	-34.280	-26.120	79.411	1.00	0.00	H
ATOM	466	H3'	A	A	15	-37.799	-24.417	79.848	1.00	0.00	H
ATOM	467	H4'	A	A	15	-37.749	-27.057	80.028	1.00	0.00	H
ATOM	468	H61	A	A	15	-30.848	-27.059	73.329	1.00	0.00	H
ATOM	469	H62	A	A	15	-32.383	-26.172	73.109	1.00	0.00	H
ATOM	470	H2'1	A	A	15	-36.144	-24.096	78.136	1.00	0.00	H
ATOM	471	H2'2	A	A	15	-35.155	-23.922	79.579	1.00	0.00	H
ATOM	472	H5'1	A	A	15	-38.120	-27.297	77.471	1.00	0.00	H
ATOM	473	H5'2	A	A	15	-39.282	-26.389	78.460	1.00	0.00	H
ATOM	474	C1'	C	A	16	-30.799	-25.099	81.086	1.00	0.00	C
ATOM	475	N1	C	A	16	-30.990	-24.605	79.694	1.00	0.00	N
ATOM	476	C2	C	A	16	-30.015	-24.920	78.750	1.00	0.00	C
ATOM	477	O2	C	A	16	-29.037	-25.591	79.105	1.00	0.00	O
ATOM	478	N3	C	A	16	-30.169	-24.479	77.478	1.00	0.00	N
ATOM	479	C4	C	A	16	-31.238	-23.754	77.126	1.00	0.00	C
ATOM	480	N4	C	A	16	-31.340	-23.354	75.867	1.00	0.00	N
ATOM	481	C5	C	A	16	-32.256	-23.412	78.076	1.00	0.00	C
ATOM	482	C6	C	A	16	-32.082	-23.869	79.351	1.00	0.00	C
ATOM	483	C2'	C	A	16	-31.249	-24.112	82.154	1.00	0.00	C
ATOM	484	C3'	C	A	16	-31.809	-25.037	83.224	1.00	0.00	C
ATOM	485	O3'	C	A	16	-30.743	-25.493	84.053	1.00	0.00	O
ATOM	486	C4'	C	A	16	-32.429	-26.167	82.406	1.00	0.00	C
ATOM	487	O4'	C	A	16	-31.564	-26.281	81.231	1.00	0.00	O
ATOM	488	C5'	C	A	16	-33.851	-25.955	81.940	1.00	0.00	C
ATOM	489	O5'	C	A	16	-34.053	-24.561	81.597	1.00	0.00	O
ATOM	490	O1P	C	A	16	-35.708	-23.770	83.321	1.00	0.00	O
ATOM	491	O2P	C	A	16	-35.606	-22.655	81.076	1.00	0.00	O
ATOM	492	P	C	A	16	-35.480	-23.903	81.869	1.00	0.00	P
ATOM	493	H5	C	A	16	-33.126	-22.815	77.795	1.00	0.00	H
ATOM	494	H6	C	A	16	-32.833	-23.642	80.108	1.00	0.00	H
ATOM	495	H1'	C	A	16	-29.749	-25.362	81.214	1.00	0.00	H
ATOM	496	H3'	C	A	16	-32.559	-24.539	83.840	1.00	0.00	H
ATOM	497	H4'	C	A	16	-32.416	-27.057	83.034	1.00	0.00	H
ATOM	498	H41	C	A	16	-32.155	-22.796	75.569	1.00	0.00	H
ATOM	499	H42	C	A	16	-30.607	-23.598	75.186	1.00	0.00	H
ATOM	500	H2'1	C	A	16	-32.012	-23.424	81.788	1.00	0.00	H
ATOM	501	H2'2	C	A	16	-30.423	-23.513	82.539	1.00	0.00	H
ATOM	502	H5'1	C	A	16	-34.038	-26.581	81.066	1.00	0.00	H
ATOM	503	H5'2	C	A	16	-34.537	-26.242	82.738	1.00	0.00	H
ATOM	504	C1'	G	A	17	-25.927	-24.259	81.336	1.00	0.00	C
ATOM	505	N1	G	A	17	-26.578	-22.396	76.631	1.00	0.00	N
ATOM	506	C2	G	A	17	-25.575	-23.206	77.135	1.00	0.00	C
ATOM	507	N2	G	A	17	-24.617	-23.564	76.271	1.00	0.00	N
ATOM	508	N3	G	A	17	-25.531	-23.623	78.399	1.00	0.00	N
ATOM	509	C4	G	A	17	-26.576	-23.158	79.133	1.00	0.00	C
ATOM	510	C5	G	A	17	-27.618	-22.344	78.719	1.00	0.00	C
ATOM	511	C6	G	A	17	-27.668	-21.903	77.376	1.00	0.00	C
ATOM	512	O6	G	A	17	-28.501	-21.185	76.824	1.00	0.00	O
ATOM	513	N7	G	A	17	-28.486	-22.092	79.782	1.00	0.00	N
ATOM	514	C8	G	A	17	-27.959	-22.749	80.783	1.00	0.00	C

ATOM	515	N9	G A	17	-26.796	-23.421	80.468	1.00	0.00	N
ATOM	516	C2'	G A	17	-25.789	-23.734	82.758	1.00	0.00	C
ATOM	517	C3'	G A	17	-25.724	-25.019	83.567	1.00	0.00	C
ATOM	518	O3'	G A	17	-24.380	-25.495	83.582	1.00	0.00	O
ATOM	519	C4'	G A	17	-26.659	-25.952	82.799	1.00	0.00	C
ATOM	520	O4'	G A	17	-26.499	-25.551	81.401	1.00	0.00	O
ATOM	521	C5'	G A	17	-28.124	-25.878	83.160	1.00	0.00	C
ATOM	522	O5'	G A	17	-28.487	-24.508	83.460	1.00	0.00	O
ATOM	523	O1P	G A	17	-29.059	-24.583	85.910	1.00	0.00	O
ATOM	524	O2P	G A	17	-30.113	-22.855	84.427	1.00	0.00	O
ATOM	525	P	G A	17	-29.591	-24.236	84.579	1.00	0.00	P
ATOM	526	H1	G A	17	-26.522	-22.134	75.636	1.00	0.00	H
ATOM	527	H8	G A	17	-28.399	-22.764	81.781	1.00	0.00	H
ATOM	528	H1'	G A	17	-24.950	-24.349	80.858	1.00	0.00	H
ATOM	529	H21	G A	17	-24.660	-23.240	75.294	1.00	0.00	H
ATOM	530	H3'	G A	17	-26.067	-24.875	84.592	1.00	0.00	H
ATOM	531	H22	G A	17	-23.841	-24.164	76.583	1.00	0.00	H
ATOM	532	H4'	G A	17	-26.319	-26.968	82.992	1.00	0.00	H
ATOM	533	H2'1	G A	17	-26.640	-23.121	83.056	1.00	0.00	H
ATOM	534	H2'2	G A	17	-24.889	-23.133	82.893	1.00	0.00	H
ATOM	535	H5'1	G A	17	-28.717	-26.241	82.320	1.00	0.00	H
ATOM	536	H5'2	G A	17	-28.310	-26.510	84.027	1.00	0.00	H
ATOM	537	C1'	G A	18	-21.590	-22.665	79.551	1.00	0.00	C
ATOM	538	N1	G A	18	-24.529	-19.652	76.670	1.00	0.00	N
ATOM	539	C2	G A	18	-23.401	-20.378	76.331	1.00	0.00	C
ATOM	540	N2	G A	18	-23.001	-20.288	75.055	1.00	0.00	N
ATOM	541	N3	G A	18	-22.727	-21.133	77.195	1.00	0.00	N
ATOM	542	C4	G A	18	-23.266	-21.102	78.442	1.00	0.00	C
ATOM	543	C5	G A	18	-24.384	-20.404	78.871	1.00	0.00	C
ATOM	544	C6	G A	18	-25.103	-19.604	77.953	1.00	0.00	C
ATOM	545	O6	G A	18	-26.108	-18.919	78.143	1.00	0.00	O
ATOM	546	N7	G A	18	-24.605	-20.637	80.229	1.00	0.00	N
ATOM	547	C8	G A	18	-23.641	-21.452	80.572	1.00	0.00	C
ATOM	548	N9	G A	18	-22.787	-21.780	79.540	1.00	0.00	N
ATOM	549	C2'	G A	18	-20.764	-22.565	80.826	1.00	0.00	C
ATOM	550	C3'	G A	18	-20.290	-23.997	81.010	1.00	0.00	C
ATOM	551	O3'	G A	18	-19.116	-24.206	80.230	1.00	0.00	O
ATOM	552	C4'	G A	18	-21.475	-24.816	80.500	1.00	0.00	C
ATOM	553	O4'	G A	18	-22.041	-24.000	79.426	1.00	0.00	O
ATOM	554	C5'	G A	18	-22.563	-25.118	81.503	1.00	0.00	C
ATOM	555	O5'	G A	18	-22.740	-23.986	82.391	1.00	0.00	O
ATOM	556	O1P	G A	18	-22.007	-24.879	84.628	1.00	0.00	O
ATOM	557	O2P	G A	18	-23.677	-23.012	84.509	1.00	0.00	O
ATOM	558	P	G A	18	-23.137	-24.257	83.913	1.00	0.00	P
ATOM	559	H1	G A	18	-24.983	-19.103	75.923	1.00	0.00	H
ATOM	560	H8	G A	18	-23.522	-21.839	81.584	1.00	0.00	H
ATOM	561	H1'	G A	18	-20.985	-22.432	78.674	1.00	0.00	H
ATOM	562	H21	G A	18	-23.531	-19.704	74.391	1.00	0.00	H
ATOM	563	H3'	G A	18	-20.075	-24.226	82.055	1.00	0.00	H
ATOM	564	H22	G A	18	-22.169	-20.803	74.741	1.00	0.00	H
ATOM	565	H4'	G A	18	-21.074	-25.767	80.148	1.00	0.00	H
ATOM	566	H2'1	G A	18	-21.357	-22.231	81.677	1.00	0.00	H
ATOM	567	H2'2	G A	18	-19.923	-21.878	80.722	1.00	0.00	H
ATOM	568	H5'1	G A	18	-23.493	-25.319	80.972	1.00	0.00	H

ATOM	569	H5'2	G	A	18	-22.284	-25.999	82.081	1.00	0.00	H
ATOM	570	C1'	T	A	19	-18.731	-19.877	76.628	1.00	0.00	C
ATOM	571	N1	T	A	19	-19.788	-19.244	77.459	1.00	0.00	N
ATOM	572	C2	T	A	19	-20.668	-18.394	76.821	1.00	0.00	C
ATOM	573	O2	T	A	19	-20.604	-18.153	75.627	1.00	0.00	O
ATOM	574	N3	T	A	19	-21.636	-17.828	77.631	1.00	0.00	N
ATOM	575	C4	T	A	19	-21.793	-18.031	78.986	1.00	0.00	C
ATOM	576	O4	T	A	19	-22.699	-17.464	79.608	1.00	0.00	O
ATOM	577	C5	T	A	19	-20.828	-18.934	79.566	1.00	0.00	C
ATOM	578	C6	T	A	19	-19.871	-19.504	78.805	1.00	0.00	C
ATOM	579	C7	T	A	19	-20.963	-19.186	81.037	1.00	0.00	C
ATOM	580	C2'	T	A	19	-17.387	-20.005	77.335	1.00	0.00	C
ATOM	581	C3'	T	A	19	-16.867	-21.326	76.793	1.00	0.00	C
ATOM	582	O3'	T	A	19	-16.221	-21.098	75.542	1.00	0.00	O
ATOM	583	C4'	T	A	19	-18.140	-22.155	76.643	1.00	0.00	C
ATOM	584	O4'	T	A	19	-19.168	-21.178	76.287	1.00	0.00	O
ATOM	585	C5'	T	A	19	-18.596	-22.914	77.867	1.00	0.00	C
ATOM	586	O5'	T	A	19	-18.329	-22.130	79.057	1.00	0.00	O
ATOM	587	O1P	T	A	19	-16.586	-23.482	80.268	1.00	0.00	O
ATOM	588	O2P	T	A	19	-18.124	-21.975	81.556	1.00	0.00	O
ATOM	589	P	T	A	19	-17.931	-22.886	80.403	1.00	0.00	P
ATOM	590	H3	T	A	19	-22.307	-17.193	77.176	1.00	0.00	H
ATOM	591	H6	T	A	19	-19.154	-20.183	79.265	1.00	0.00	H
ATOM	592	H1'	T	A	19	-18.633	-19.303	75.705	1.00	0.00	H
ATOM	593	H3'	T	A	19	-16.166	-21.801	77.480	1.00	0.00	H
ATOM	594	H4'	T	A	19	-17.952	-22.884	75.852	1.00	0.00	H
ATOM	595	H71	T	A	19	-20.093	-18.786	81.555	1.00	0.00	H
ATOM	596	H72	T	A	19	-21.864	-18.695	81.408	1.00	0.00	H
ATOM	597	H73	T	A	19	-21.033	-20.259	81.220	1.00	0.00	H
ATOM	598	H2'1	T	A	19	-17.492	-20.033	78.418	1.00	0.00	H
ATOM	599	H2'2	T	A	19	-16.712	-19.182	77.093	1.00	0.00	H
ATOM	600	H5'1	T	A	19	-19.665	-23.112	77.789	1.00	0.00	H
ATOM	601	H5'2	T	A	19	-18.060	-23.860	77.923	1.00	0.00	H
ATOM	602	C01	LNK	A	20	-12.772	-19.935	74.766	0.00	0.00	C
ATOM	603	O1	LNK	A	20	-13.813	-20.251	75.693	1.00	0.00	O
ATOM	604	S	LNK	A	20	-9.073	-18.464	74.789	0.00	0.00	S
ATOM	605	C02	LNK	A	20	-11.554	-19.385	75.532	0.00	0.00	C
ATOM	606	C03	LNK	A	20	-10.882	-18.277	74.700	0.00	0.00	C
ATOM	607	O1P	LNK	A	20	-15.620	-18.781	76.647	1.00	0.00	O
ATOM	608	O2P	LNK	A	20	-15.295	-18.919	74.162	1.00	0.00	O
ATOM	609	P	LNK	A	20	-15.256	-19.605	75.478	1.00	0.00	P
ATOM	610	H01	LNK	A	20	-13.126	-19.183	74.060	0.00	0.00	H
ATOM	611	H02	LNK	A	20	-12.483	-20.835	74.223	0.00	0.00	H
ATOM	612	H03	LNK	A	20	-11.165	-17.301	75.096	0.00	0.00	H
ATOM	613	H04	LNK	A	20	-10.841	-20.191	75.709	0.00	0.00	H
ATOM	614	H05	LNK	A	20	-11.880	-18.974	76.488	0.00	0.00	H
ATOM	615	H06	LNK	A	20	-11.204	-18.355	73.662	0.00	0.00	H
ATOM	616	AU	LNK	A	20	-8.771	-17.918	74.505			
TER											
ATOM	618	C1'	A	B	2	-26.554	-12.958	73.494	1.00	0.00	C
ATOM	619	N1	A	B	2	-23.564	-16.000	76.349	1.00	0.00	N
ATOM	620	C2	A	B	2	-23.561	-15.697	75.054	1.00	0.00	C
ATOM	621	N3	A	B	2	-24.362	-14.899	74.380	1.00	0.00	N
ATOM	622	C4	A	B	2	-25.285	-14.365	75.202	1.00	0.00	C

ATOM	623	C5	A B	2	-25.424	-14.574	76.544	1.00	0.00	C
ATOM	624	C6	A B	2	-24.496	-15.452	77.143	1.00	0.00	C
ATOM	625	N6	A B	2	-24.507	-15.753	78.453	1.00	0.00	N
ATOM	626	N7	A B	2	-26.488	-13.852	77.056	1.00	0.00	N
ATOM	627	C8	A B	2	-26.970	-13.231	76.020	1.00	0.00	C
ATOM	628	N9	A B	2	-26.288	-13.492	74.860	1.00	0.00	N
ATOM	629	C2'	A B	2	-28.035	-12.812	73.171	1.00	0.00	C
ATOM	630	C3'	A B	2	-28.050	-11.553	72.318	1.00	0.00	C
ATOM	631	O3'	A B	2	-27.755	-11.900	70.967	1.00	0.00	O
ATOM	632	C4'	A B	2	-26.948	-10.701	72.949	1.00	0.00	C
ATOM	633	O4'	A B	2	-25.959	-11.677	73.412	1.00	0.00	O
ATOM	634	C5'	A B	2	-27.356	-9.834	74.116	1.00	0.00	C
ATOM	635	O5'	A B	2	-28.343	-10.527	74.921	1.00	0.00	O
ATOM	636	H2	A B	2	-22.783	-16.178	74.465	1.00	0.00	H
ATOM	637	H8	A B	2	-27.833	-12.568	76.068	1.00	0.00	H
ATOM	638	H1'	A B	2	-26.058	-13.606	72.773	1.00	0.00	H
ATOM	639	H3'	A B	2	-29.012	-11.043	72.358	1.00	0.00	H
ATOM	640	H4'	A B	2	-26.567	-10.048	72.165	1.00	0.00	H
ATOM	641	H61	A B	2	-23.805	-16.397	78.840	1.00	0.00	H
ATOM	642	H62	A B	2	-25.222	-15.336	79.069	1.00	0.00	H
ATOM	643	H2'1	A B	2	-28.644	-12.691	74.066	1.00	0.00	H
ATOM	644	H2'2	A B	2	-28.425	-13.668	72.620	1.00	0.00	H
ATOM	645	H5'1	A B	2	-26.478	-9.614	74.722	1.00	0.00	H
ATOM	646	H5'2	A B	2	-27.775	-8.902	73.740	1.00	0.00	H
ATOM	647	C1'	C B	3	-25.629	-17.200	71.086	1.00	0.00	C
ATOM	648	N1	C B	3	-26.149	-17.222	72.480	1.00	0.00	N
ATOM	649	C2	C B	3	-25.473	-17.998	73.419	1.00	0.00	C
ATOM	650	O2	C B	3	-24.472	-18.633	73.057	1.00	0.00	O
ATOM	651	N3	C B	3	-25.930	-18.032	74.693	1.00	0.00	N
ATOM	652	C4	C B	3	-27.015	-17.335	75.053	1.00	0.00	C
ATOM	653	N4	C B	3	-27.417	-17.401	76.315	1.00	0.00	N
ATOM	654	C5	C B	3	-27.736	-16.531	74.109	1.00	0.00	C
ATOM	655	C6	C B	3	-27.253	-16.509	72.832	1.00	0.00	C
ATOM	656	C2'	C B	3	-26.720	-17.172	70.023	1.00	0.00	C
ATOM	657	C3'	C B	3	-26.095	-16.292	68.952	1.00	0.00	C
ATOM	658	O3'	C B	3	-25.260	-17.091	68.118	1.00	0.00	O
ATOM	659	C4'	C B	3	-25.296	-15.278	69.768	1.00	0.00	C
ATOM	660	O4'	C B	3	-24.845	-16.032	70.939	1.00	0.00	O
ATOM	661	C5'	C B	3	-26.046	-14.055	70.241	1.00	0.00	C
ATOM	662	O5'	C B	3	-27.405	-14.419	70.591	1.00	0.00	O
ATOM	663	O1P	C B	3	-28.793	-13.204	68.877	1.00	0.00	O
ATOM	664	O2P	C B	3	-29.765	-13.741	71.126	1.00	0.00	O
ATOM	665	P	C B	3	-28.572	-13.366	70.328	1.00	0.00	P
ATOM	666	H5	C B	3	-28.624	-15.967	74.396	1.00	0.00	H
ATOM	667	H6	C B	3	-27.763	-15.906	72.080	1.00	0.00	H
ATOM	668	H1'	C B	3	-24.975	-18.063	70.952	1.00	0.00	H
ATOM	669	H3'	C B	3	-26.850	-15.797	68.341	1.00	0.00	H
ATOM	670	H4'	C B	3	-24.475	-14.939	69.137	1.00	0.00	H
ATOM	671	H41	C B	3	-28.248	-16.872	76.620	1.00	0.00	H
ATOM	672	H42	C B	3	-26.899	-17.981	76.992	1.00	0.00	H
ATOM	673	H2'1	C B	3	-27.650	-16.744	70.397	1.00	0.00	H
ATOM	674	H2'2	C B	3	-26.947	-18.167	69.639	1.00	0.00	H
ATOM	675	H5'1	C B	3	-25.541	-13.639	71.113	1.00	0.00	H
ATOM	676	H5'2	C B	3	-26.057	-13.312	69.445	1.00	0.00	H



ATOM	677	C1'	C B	4	-24.478	-22.009	70.815	1.00	0.00	C
ATOM	678	N1	C B	4	-25.583	-21.544	71.696	1.00	0.00	N
ATOM	679	C2	C B	4	-25.576	-21.956	73.027	1.00	0.00	C
ATOM	680	O2	C B	4	-24.657	-22.686	73.421	1.00	0.00	O
ATOM	681	N3	C B	4	-26.573	-21.544	73.845	1.00	0.00	N
ATOM	682	C4	C B	4	-27.556	-20.754	73.390	1.00	0.00	C
ATOM	683	N4	C B	4	-28.506	-20.378	74.235	1.00	0.00	N
ATOM	684	C5	C B	4	-27.593	-20.318	72.025	1.00	0.00	C
ATOM	685	C6	C B	4	-26.574	-20.743	71.219	1.00	0.00	C
ATOM	686	C2'	C B	4	-24.921	-22.338	69.396	1.00	0.00	C
ATOM	687	C3'	C B	4	-23.720	-21.887	68.578	1.00	0.00	C
ATOM	688	O3'	C B	4	-22.752	-22.934	68.551	1.00	0.00	O
ATOM	689	C4'	C B	4	-23.227	-20.663	69.345	1.00	0.00	C
ATOM	690	O4'	C B	4	-23.518	-20.971	70.745	1.00	0.00	O
ATOM	691	C5'	C B	4	-23.876	-19.344	68.995	1.00	0.00	C
ATOM	692	O5'	C B	4	-25.281	-19.553	68.705	1.00	0.00	O
ATOM	693	O1P	C B	4	-25.461	-18.990	66.259	1.00	0.00	O
ATOM	694	O2P	C B	4	-27.452	-18.709	67.761	1.00	0.00	O
ATOM	695	P	C B	4	-25.979	-18.643	67.597	1.00	0.00	P
ATOM	696	H5	C B	4	-28.393	-19.683	71.647	1.00	0.00	H
ATOM	697	H6	C B	4	-26.555	-20.432	70.175	1.00	0.00	H
ATOM	698	H1'	C B	4	-24.006	-22.871	71.287	1.00	0.00	H
ATOM	699	H3'	C B	4	-23.998	-21.626	67.557	1.00	0.00	H
ATOM	700	H4'	C B	4	-22.158	-20.571	69.143	1.00	0.00	H
ATOM	701	H41	C B	4	-29.271	-19.768	73.912	1.00	0.00	H
ATOM	702	H42	C B	4	-28.478	-20.694	75.216	1.00	0.00	H
ATOM	703	H2'1	C B	4	-25.822	-21.799	69.108	1.00	0.00	H
ATOM	704	H2'2	C B	4	-25.116	-23.402	69.260	1.00	0.00	H
ATOM	705	H5'1	C B	4	-23.770	-18.658	69.836	1.00	0.00	H
ATOM	706	H5'2	C B	4	-23.379	-18.922	68.123	1.00	0.00	H
ATOM	707	C1'	G B	5	-24.224	-26.627	72.586	1.00	0.00	C
ATOM	708	N1	G B	5	-28.139	-25.123	75.491	1.00	0.00	N
ATOM	709	C2	G B	5	-27.025	-25.876	75.821	1.00	0.00	C
ATOM	710	N2	G B	5	-26.944	-26.283	77.094	1.00	0.00	N
ATOM	711	N3	G B	5	-26.068	-26.194	74.951	1.00	0.00	N
ATOM	712	C4	G B	5	-26.316	-25.704	73.708	1.00	0.00	C
ATOM	713	C5	G B	5	-27.399	-24.950	73.287	1.00	0.00	C
ATOM	714	C6	G B	5	-28.413	-24.608	74.209	1.00	0.00	C
ATOM	715	O6	G B	5	-29.439	-23.953	74.028	1.00	0.00	O
ATOM	716	N7	G B	5	-27.277	-24.649	71.928	1.00	0.00	N
ATOM	717	C8	G B	5	-26.150	-25.214	71.577	1.00	0.00	C
ATOM	718	N9	G B	5	-25.509	-25.876	72.605	1.00	0.00	N
ATOM	719	C2'	G B	5	-23.997	-27.420	71.306	1.00	0.00	C
ATOM	720	C3'	G B	5	-22.494	-27.292	71.115	1.00	0.00	C
ATOM	721	O3'	G B	5	-21.838	-28.294	71.889	1.00	0.00	O
ATOM	722	C4'	G B	5	-22.205	-25.884	71.629	1.00	0.00	C
ATOM	723	O4'	G B	5	-23.173	-25.689	72.710	1.00	0.00	O
ATOM	724	C5'	G B	5	-22.360	-24.760	70.633	1.00	0.00	C
ATOM	725	O5'	G B	5	-23.474	-25.039	69.748	1.00	0.00	O
ATOM	726	O1P	G B	5	-22.374	-25.352	67.506	1.00	0.00	O
ATOM	727	O2P	G B	5	-24.747	-24.549	67.638	1.00	0.00	O
ATOM	728	P	G B	5	-23.388	-24.559	68.230	1.00	0.00	P
ATOM	729	H1	G B	5	-28.818	-24.925	76.241	1.00	0.00	H
ATOM	730	H8	G B	5	-25.752	-25.168	70.564	1.00	0.00	H

ATOM	731	H1'	G B	5	-24.196	-27.279	73.458	1.00	0.00	H
ATOM	732	H21	G B	5	-27.686	-26.029	77.762	1.00	0.00	H
ATOM	733	H3'	G B	5	-22.204	-27.397	70.070	1.00	0.00	H
ATOM	734	H22	G B	5	-26.143	-26.850	77.403	1.00	0.00	H
ATOM	735	H4'	G B	5	-21.173	-25.879	71.978	1.00	0.00	H
ATOM	736	H2'1	G B	5	-24.541	-27.003	70.458	1.00	0.00	H
ATOM	737	H2'2	G B	5	-24.297	-28.464	71.407	1.00	0.00	H
ATOM	738	H5'1	G B	5	-22.540	-23.828	71.169	1.00	0.00	H
ATOM	739	H5'2	G B	5	-21.442	-24.668	70.051	1.00	0.00	H
ATOM	740	C1'	T B	6	-25.644	-30.365	75.504	1.00	0.00	C
ATOM	741	N1	T B	6	-26.645	-29.637	74.680	1.00	0.00	N
ATOM	742	C2	T B	6	-27.771	-29.167	75.326	1.00	0.00	C
ATOM	743	O2	T B	6	-27.963	-29.326	76.518	1.00	0.00	O
ATOM	744	N3	T B	6	-28.674	-28.495	74.521	1.00	0.00	N
ATOM	745	C4	T B	6	-28.556	-28.263	73.167	1.00	0.00	C
ATOM	746	O4	T B	6	-29.435	-27.651	72.550	1.00	0.00	O
ATOM	747	C5	T B	6	-27.347	-28.792	72.582	1.00	0.00	C
ATOM	748	C6	T B	6	-26.443	-29.450	73.334	1.00	0.00	C
ATOM	749	C7	T B	6	-27.175	-28.560	71.109	1.00	0.00	C
ATOM	750	C2'	T B	6	-25.000	-31.546	74.787	1.00	0.00	C
ATOM	751	C3'	T B	6	-23.579	-31.505	75.325	1.00	0.00	C
ATOM	752	O3'	T B	6	-23.529	-32.196	76.571	1.00	0.00	O
ATOM	753	C4'	T B	6	-23.315	-30.009	75.483	1.00	0.00	C
ATOM	754	O4'	T B	6	-24.620	-29.451	75.845	1.00	0.00	O
ATOM	755	C5'	T B	6	-22.804	-29.284	74.259	1.00	0.00	C
ATOM	756	O5'	T B	6	-23.425	-29.833	73.069	1.00	0.00	O
ATOM	757	O1P	T B	6	-21.498	-30.895	71.846	1.00	0.00	O
ATOM	758	O2P	T B	6	-23.495	-30.068	70.569	1.00	0.00	O
ATOM	759	P	T B	6	-22.577	-29.893	71.720	1.00	0.00	P
ATOM	760	H3	T B	6	-29.522	-28.131	74.981	1.00	0.00	H
ATOM	761	H6	T B	6	-25.538	-29.840	72.869	1.00	0.00	H
ATOM	762	H1'	T B	6	-26.128	-30.685	76.426	1.00	0.00	H
ATOM	763	H3'	T B	6	-22.868	-31.959	74.634	1.00	0.00	H
ATOM	764	H4'	T B	6	-22.570	-29.900	76.271	1.00	0.00	H
ATOM	765	H71	T B	6	-27.200	-29.515	70.586	1.00	0.00	H
ATOM	766	H72	T B	6	-27.981	-27.923	70.745	1.00	0.00	H
ATOM	767	H73	T B	6	-26.216	-28.073	70.927	1.00	0.00	H
ATOM	768	H2'1	T B	6	-25.019	-31.431	73.705	1.00	0.00	H
ATOM	769	H2'2	T B	6	-25.488	-32.490	75.027	1.00	0.00	H
ATOM	770	H5'1	T B	6	-23.043	-28.224	74.344	1.00	0.00	H
ATOM	771	H5'2	T B	6	-21.723	-29.405	74.200	1.00	0.00	H
ATOM	772	C1'	C B	7	-28.952	-32.831	78.267	1.00	0.00	C
ATOM	773	N1	C B	7	-29.282	-32.430	76.870	1.00	0.00	N
ATOM	774	C2	C B	7	-30.476	-31.746	76.654	1.00	0.00	C
ATOM	775	O2	C B	7	-31.208	-31.499	77.622	1.00	0.00	O
ATOM	776	N3	C B	7	-30.795	-31.372	75.390	1.00	0.00	N
ATOM	777	C4	C B	7	-29.983	-31.654	74.363	1.00	0.00	C
ATOM	778	N4	C B	7	-30.343	-31.262	73.151	1.00	0.00	N
ATOM	779	C5	C B	7	-28.751	-32.361	74.556	1.00	0.00	C
ATOM	780	C6	C B	7	-28.447	-32.722	75.838	1.00	0.00	C
ATOM	781	C2'	C B	7	-28.282	-34.193	78.372	1.00	0.00	C
ATOM	782	C3'	C B	7	-27.309	-33.979	79.521	1.00	0.00	C
ATOM	783	O3'	C B	7	-27.990	-34.185	80.755	1.00	0.00	O
ATOM	784	C4'	C B	7	-26.877	-32.527	79.335	1.00	0.00	C

ATOM	785	O4'	C B	7	-28.063	-31.864	78.793	1.00	0.00	O
ATOM	786	C5'	C B	7	-25.717	-32.285	78.396	1.00	0.00	C
ATOM	787	O5'	C B	7	-25.786	-33.213	77.285	1.00	0.00	O
ATOM	788	O1P	C B	7	-23.749	-34.655	77.601	1.00	0.00	O
ATOM	789	O2P	C B	7	-24.699	-34.315	75.306	1.00	0.00	O
ATOM	790	P	C B	7	-24.427	-33.753	76.650	1.00	0.00	P
ATOM	791	H5	C B	7	-28.091	-32.599	73.722	1.00	0.00	H
ATOM	792	H6	C B	7	-27.518	-33.256	76.036	1.00	0.00	H
ATOM	793	H1'	C B	7	-29.868	-32.799	78.856	1.00	0.00	H
ATOM	794	H3'	C B	7	-26.453	-34.654	79.464	1.00	0.00	H
ATOM	795	H4'	C B	7	-26.590	-32.152	80.317	1.00	0.00	H
ATOM	796	H41	C B	7	-29.735	-31.463	72.343	1.00	0.00	H
ATOM	797	H42	C B	7	-31.231	-30.756	73.014	1.00	0.00	H
ATOM	798	H2'1	C B	7	-27.760	-34.469	77.457	1.00	0.00	H
ATOM	799	H2'2	C B	7	-28.992	-34.988	78.596	1.00	0.00	H
ATOM	800	H5'1	C B	7	-25.765	-31.261	78.024	1.00	0.00	H
ATOM	801	H5'2	C B	7	-24.783	-32.428	78.936	1.00	0.00	H
ATOM	802	C1'	C B	8	-33.532	-34.172	79.590	1.00	0.00	C
ATOM	803	N1	C B	8	-33.094	-34.275	78.171	1.00	0.00	N
ATOM	804	C2	C B	8	-33.902	-33.696	77.194	1.00	0.00	C
ATOM	805	O2	C B	8	-34.942	-33.124	77.544	1.00	0.00	O
ATOM	806	N3	C B	8	-33.520	-33.778	75.897	1.00	0.00	N
ATOM	807	C4	C B	8	-32.388	-34.404	75.551	1.00	0.00	C
ATOM	808	N4	C B	8	-32.061	-34.451	74.266	1.00	0.00	N
ATOM	809	C5	C B	8	-31.539	-35.014	76.531	1.00	0.00	C
ATOM	810	C6	C B	8	-31.941	-34.914	77.834	1.00	0.00	C
ATOM	811	C2'	C B	8	-33.247	-35.422	80.412	1.00	0.00	C
ATOM	812	C3'	C B	8	-32.903	-34.835	81.772	1.00	0.00	C
ATOM	813	O3'	C B	8	-34.107	-34.595	82.496	1.00	0.00	O
ATOM	814	C4'	C B	8	-32.180	-33.539	81.410	1.00	0.00	C
ATOM	815	O4'	C B	8	-32.834	-33.092	80.179	1.00	0.00	O
ATOM	816	C5'	C B	8	-30.695	-33.647	81.156	1.00	0.00	C
ATOM	817	O5'	C B	8	-30.402	-34.901	80.487	1.00	0.00	O
ATOM	818	O1P	C B	8	-29.048	-36.166	82.192	1.00	0.00	O
ATOM	819	O2P	C B	8	-28.735	-36.628	79.746	1.00	0.00	O
ATOM	820	P	C B	8	-29.028	-35.639	80.812	1.00	0.00	P
ATOM	821	H5	C B	8	-30.620	-35.531	76.255	1.00	0.00	H
ATOM	822	H6	C B	8	-31.324	-35.355	78.618	1.00	0.00	H
ATOM	823	H1'	C B	8	-34.595	-33.931	79.601	1.00	0.00	H
ATOM	824	H3'	C B	8	-32.259	-35.496	82.351	1.00	0.00	H
ATOM	825	H4'	C B	8	-32.324	-32.852	82.243	1.00	0.00	H
ATOM	826	H41	C B	8	-31.194	-34.925	73.973	1.00	0.00	H
ATOM	827	H42	C B	8	-32.674	-34.015	73.562	1.00	0.00	H
ATOM	828	H2'1	C B	8	-32.417	-36.002	80.009	1.00	0.00	H
ATOM	829	H2'2	C B	8	-34.111	-36.084	80.472	1.00	0.00	H
ATOM	830	H5'1	C B	8	-30.376	-32.814	80.528	1.00	0.00	H
ATOM	831	H5'2	C B	8	-30.165	-33.603	82.106	1.00	0.00	H
ATOM	832	C1'	T B	9	-38.356	-34.935	78.789	1.00	0.00	C
ATOM	833	N1	T B	9	-37.345	-35.516	77.867	1.00	0.00	N
ATOM	834	C2	T B	9	-37.515	-35.283	76.518	1.00	0.00	C
ATOM	835	O2	T B	9	-38.446	-34.634	76.074	1.00	0.00	O
ATOM	836	N3	T B	9	-36.552	-35.840	75.697	1.00	0.00	N
ATOM	837	C4	T B	9	-35.467	-36.589	76.097	1.00	0.00	C
ATOM	838	O4	T B	9	-34.669	-37.040	75.266	1.00	0.00	O

ATOM	839	C5	T B	9	-35.372	-36.778	77.526	1.00	0.00	C
ATOM	840	C6	T B	9	-36.293	-36.249	78.355	1.00	0.00	C
ATOM	841	C7	T B	9	-34.204	-37.587	78.004	1.00	0.00	C
ATOM	842	C2'	T B	9	-38.702	-35.836	79.970	1.00	0.00	C
ATOM	843	C3'	T B	9	-38.921	-34.826	81.086	1.00	0.00	C
ATOM	844	O3'	T B	9	-40.261	-34.344	81.024	1.00	0.00	O
ATOM	845	C4'	T B	9	-37.899	-33.738	80.766	1.00	0.00	C
ATOM	846	O4'	T B	9	-37.830	-33.726	79.304	1.00	0.00	O
ATOM	847	C5'	T B	9	-36.506	-33.941	81.315	1.00	0.00	C
ATOM	848	O5'	T B	9	-36.164	-35.351	81.273	1.00	0.00	O
ATOM	849	O1P	T B	9	-35.983	-35.979	83.702	1.00	0.00	O
ATOM	850	O2P	T B	9	-34.672	-37.244	81.977	1.00	0.00	O
ATOM	851	P	T B	9	-35.242	-35.951	82.424	1.00	0.00	P
ATOM	852	H3	T B	9	-36.654	-35.677	74.686	1.00	0.00	H
ATOM	853	H6	T B	9	-36.200	-36.407	79.429	1.00	0.00	H
ATOM	854	H1'	T B	9	-39.248	-34.692	78.211	1.00	0.00	H
ATOM	855	H3'	T B	9	-38.738	-35.261	82.068	1.00	0.00	H
ATOM	856	H4'	T B	9	-38.288	-32.807	81.182	1.00	0.00	H
ATOM	857	H71	T B	9	-34.561	-38.515	78.452	1.00	0.00	H
ATOM	858	H72	T B	9	-33.550	-37.818	77.162	1.00	0.00	H
ATOM	859	H73	T B	9	-33.647	-37.017	78.749	1.00	0.00	H
ATOM	860	H2'1	T B	9	-37.895	-36.526	80.212	1.00	0.00	H
ATOM	861	H2'2	T B	9	-39.598	-36.429	79.788	1.00	0.00	H
ATOM	862	H5'1	T B	9	-35.797	-33.372	80.713	1.00	0.00	H
ATOM	863	H5'2	T B	9	-36.472	-33.585	82.342	1.00	0.00	H
ATOM	864	C1'	A B	10	-42.296	-35.876	75.921	1.00	0.00	C
ATOM	865	N1	A B	10	-38.826	-38.070	72.841	1.00	0.00	N
ATOM	866	C2	A B	10	-39.872	-37.282	72.601	1.00	0.00	C
ATOM	867	N3	A B	10	-40.726	-36.747	73.447	1.00	0.00	N
ATOM	868	C4	A B	10	-40.425	-37.107	74.706	1.00	0.00	C
ATOM	869	C5	A B	10	-39.393	-37.905	75.119	1.00	0.00	C
ATOM	870	C6	A B	10	-38.549	-38.411	74.109	1.00	0.00	C
ATOM	871	N6	A B	10	-37.496	-39.207	74.365	1.00	0.00	N
ATOM	872	N7	A B	10	-39.396	-38.053	76.495	1.00	0.00	N
ATOM	873	C8	A B	10	-40.421	-37.353	76.882	1.00	0.00	C
ATOM	874	N9	A B	10	-41.092	-36.747	75.852	1.00	0.00	N
ATOM	875	C2'	A B	10	-43.306	-36.310	76.975	1.00	0.00	C
ATOM	876	C3'	A B	10	-43.840	-34.976	77.474	1.00	0.00	C
ATOM	877	O3'	A B	10	-44.882	-34.536	76.607	1.00	0.00	O
ATOM	878	C4'	A B	10	-42.610	-34.071	77.401	1.00	0.00	C
ATOM	879	O4'	A B	10	-41.863	-34.568	76.244	1.00	0.00	O
ATOM	880	C5'	A B	10	-41.698	-34.080	78.606	1.00	0.00	C
ATOM	881	O5'	A B	10	-41.633	-35.419	79.161	1.00	0.00	O
ATOM	882	O1P	A B	10	-42.726	-35.167	81.415	1.00	0.00	O
ATOM	883	O2P	A B	10	-41.011	-36.961	81.045	1.00	0.00	O
ATOM	884	P	A B	10	-41.483	-35.588	80.740	1.00	0.00	P
ATOM	885	H2	A B	10	-40.044	-37.046	71.552	1.00	0.00	H
ATOM	886	H8	A B	10	-40.719	-37.258	77.926	1.00	0.00	H
ATOM	887	H1'	A B	10	-42.753	-35.845	74.933	1.00	0.00	H
ATOM	888	H3'	A B	10	-44.218	-35.043	78.493	1.00	0.00	H
ATOM	889	H4'	A B	10	-42.973	-33.053	77.268	1.00	0.00	H
ATOM	890	H61	A B	10	-36.910	-39.547	73.590	1.00	0.00	H
ATOM	891	H62	A B	10	-37.277	-39.475	75.334	1.00	0.00	H
ATOM	892	H2'1	A B	10	-42.845	-36.879	77.783	1.00	0.00	H

ATOM	893	H2'2	A B	10	-44.104	-36.924	76.555	1.00	0.00	H
ATOM	894	H5'1	A B	10	-40.701	-33.760	78.303	1.00	0.00	H
ATOM	895	H5'2	A B	10	-42.085	-33.391	79.354	1.00	0.00	H
ATOM	896	C1'	G B	11	-44.515	-37.725	71.884	1.00	0.00	C
ATOM	897	N1	G B	11	-40.494	-40.864	71.787	1.00	0.00	N
ATOM	898	C2	G B	11	-41.126	-40.197	70.752	1.00	0.00	C
ATOM	899	N2	G B	11	-40.620	-40.396	69.528	1.00	0.00	N
ATOM	900	N3	G B	11	-42.177	-39.397	70.925	1.00	0.00	N
ATOM	901	C4	G B	11	-42.559	-39.319	72.226	1.00	0.00	C
ATOM	902	C5	G B	11	-41.993	-39.949	73.321	1.00	0.00	C
ATOM	903	C6	G B	11	-40.875	-40.796	73.141	1.00	0.00	C
ATOM	904	O6	G B	11	-40.242	-41.437	73.980	1.00	0.00	O
ATOM	905	N7	G B	11	-42.685	-39.608	74.486	1.00	0.00	N
ATOM	906	C8	G B	11	-43.623	-38.797	74.069	1.00	0.00	C
ATOM	907	N9	G B	11	-43.612	-38.574	72.708	1.00	0.00	N
ATOM	908	C2'	G B	11	-45.968	-37.752	72.340	1.00	0.00	C
ATOM	909	C3'	G B	11	-46.411	-36.323	72.069	1.00	0.00	C
ATOM	910	O3'	G B	11	-46.810	-36.209	70.705	1.00	0.00	O
ATOM	911	C4'	G B	11	-45.154	-35.512	72.372	1.00	0.00	C
ATOM	912	O4'	G B	11	-44.053	-36.392	71.974	1.00	0.00	O
ATOM	913	C5'	G B	11	-44.950	-35.104	73.812	1.00	0.00	C
ATOM	914	O5'	G B	11	-45.412	-36.160	74.691	1.00	0.00	O
ATOM	915	O1P	G B	11	-47.379	-35.120	75.866	1.00	0.00	O
ATOM	916	O2P	G B	11	-46.068	-36.942	76.986	1.00	0.00	O
ATOM	917	P	G B	11	-46.070	-35.762	76.088	1.00	0.00	P
ATOM	918	H1	G B	11	-39.684	-41.455	71.547	1.00	0.00	H
ATOM	919	H8	G B	11	-44.351	-38.339	74.738	1.00	0.00	H
ATOM	920	H1'	G B	11	-44.426	-38.041	70.844	1.00	0.00	H
ATOM	921	H21	G B	11	-39.805	-41.012	69.403	1.00	0.00	H
ATOM	922	H3'	G B	11	-47.238	-36.022	72.712	1.00	0.00	H
ATOM	923	H22	G B	11	-41.047	-39.931	68.713	1.00	0.00	H
ATOM	924	H4'	G B	11	-45.210	-34.603	71.773	1.00	0.00	H
ATOM	925	H2'1	G B	11	-46.064	-38.003	73.396	1.00	0.00	H
ATOM	926	H2'2	G B	11	-46.565	-38.468	71.776	1.00	0.00	H
ATOM	927	H5'1	G B	11	-43.890	-34.918	73.984	1.00	0.00	H
ATOM	928	H5'2	G B	11	-45.510	-34.190	74.006	1.00	0.00	H
ATOM	929	C1'	G B	12	-44.901	-40.818	68.035	1.00	0.00	C
ATOM	930	N1	G B	12	-41.942	-43.837	70.894	1.00	0.00	N
ATOM	931	C2	G B	12	-41.885	-43.562	69.538	1.00	0.00	C
ATOM	932	N2	G B	12	-40.911	-44.174	68.853	1.00	0.00	N
ATOM	933	N3	G B	12	-42.730	-42.741	68.917	1.00	0.00	N
ATOM	934	C4	G B	12	-43.656	-42.217	69.763	1.00	0.00	C
ATOM	935	C5	G B	12	-43.792	-42.435	71.123	1.00	0.00	C
ATOM	936	C6	G B	12	-42.893	-43.302	71.784	1.00	0.00	C
ATOM	937	O6	G B	12	-42.853	-43.620	72.973	1.00	0.00	O
ATOM	938	N7	G B	12	-44.873	-41.705	71.623	1.00	0.00	N
ATOM	939	C8	G B	12	-45.344	-41.080	70.576	1.00	0.00	C
ATOM	940	N9	G B	12	-44.658	-41.340	69.408	1.00	0.00	N
ATOM	941	C2'	G B	12	-46.375	-40.672	67.687	1.00	0.00	C
ATOM	942	C3'	G B	12	-46.376	-39.420	66.822	1.00	0.00	C
ATOM	943	O3'	G B	12	-46.062	-39.779	65.479	1.00	0.00	O
ATOM	944	C4'	G B	12	-45.282	-38.566	67.462	1.00	0.00	C
ATOM	945	O4'	G B	12	-44.302	-39.539	67.948	1.00	0.00	O
ATOM	946	C5'	G B	12	-45.704	-37.689	68.616	1.00	0.00	C

ATOM	947	O5'	G B	12	-46.706	-38.372	69.412	1.00	0.00	O
ATOM	948	O1P	G B	12	-48.770	-36.972	69.076	1.00	0.00	O
ATOM	949	O2P	G B	12	-48.489	-38.308	71.181	1.00	0.00	O
ATOM	950	P	G B	12	-47.857	-37.510	70.102	1.00	0.00	P
ATOM	951	H1	G B	12	-41.235	-44.481	71.279	1.00	0.00	H
ATOM	952	H8	G B	12	-46.204	-40.410	70.621	1.00	0.00	H
ATOM	953	H1'	G B	12	-44.395	-41.473	67.327	1.00	0.00	H
ATOM	954	H21	G B	12	-40.258	-44.805	69.341	1.00	0.00	H
ATOM	955	H3'	G B	12	-47.337	-38.908	66.845	1.00	0.00	H
ATOM	956	H22	G B	12	-40.817	-44.015	67.840	1.00	0.00	H
ATOM	957	H4'	G B	12	-44.887	-37.919	66.680	1.00	0.00	H
ATOM	958	H2'1	G B	12	-46.999	-40.543	68.572	1.00	0.00	H
ATOM	959	H2'2	G B	12	-46.759	-41.532	67.139	1.00	0.00	H
ATOM	960	H5'1	G B	12	-44.835	-37.465	69.233	1.00	0.00	H
ATOM	961	H5'2	G B	12	-46.116	-36.758	68.226	1.00	0.00	H
ATOM	962	C1'	T B	13	-44.003	-45.033	65.599	1.00	0.00	C
ATOM	963	N1	T B	13	-44.506	-45.069	66.998	1.00	0.00	N
ATOM	964	C2	T B	13	-43.809	-45.851	67.899	1.00	0.00	C
ATOM	965	O2	T B	13	-42.821	-46.493	67.588	1.00	0.00	O
ATOM	966	N3	T B	13	-44.312	-45.854	69.187	1.00	0.00	N
ATOM	967	C4	T B	13	-45.420	-45.170	69.641	1.00	0.00	C
ATOM	968	O4	T B	13	-45.777	-45.254	70.821	1.00	0.00	O
ATOM	969	C5	T B	13	-46.081	-44.380	68.627	1.00	0.00	C
ATOM	970	C6	T B	13	-45.619	-44.351	67.362	1.00	0.00	C
ATOM	971	C7	T B	13	-47.290	-43.615	69.076	1.00	0.00	C
ATOM	972	C2'	T B	13	-45.106	-44.995	64.549	1.00	0.00	C
ATOM	973	C3'	T B	13	-44.496	-44.103	63.479	1.00	0.00	C
ATOM	974	O3'	T B	13	-43.671	-44.894	62.627	1.00	0.00	O
ATOM	975	C4'	T B	13	-43.689	-43.097	64.295	1.00	0.00	C
ATOM	976	O4'	T B	13	-43.222	-43.862	65.452	1.00	0.00	O
ATOM	977	C5'	T B	13	-44.434	-41.879	64.790	1.00	0.00	C
ATOM	978	O5'	T B	13	-45.789	-42.248	65.151	1.00	0.00	O
ATOM	979	O1P	T B	13	-47.197	-41.020	63.467	1.00	0.00	O
ATOM	980	O2P	T B	13	-48.142	-41.580	65.723	1.00	0.00	O
ATOM	981	P	T B	13	-46.961	-41.195	64.914	1.00	0.00	P
ATOM	982	H3	T B	13	-43.807	-46.428	69.879	1.00	0.00	H
ATOM	983	H6	T B	13	-46.135	-43.749	66.615	1.00	0.00	H
ATOM	984	H1'	T B	13	-43.350	-45.892	65.448	1.00	0.00	H
ATOM	985	H3'	T B	13	-45.258	-43.605	62.881	1.00	0.00	H
ATOM	986	H4'	T B	13	-42.875	-42.751	63.656	1.00	0.00	H
ATOM	987	H71	T B	13	-48.176	-44.009	68.579	1.00	0.00	H
ATOM	988	H72	T B	13	-47.405	-43.717	70.157	1.00	0.00	H
ATOM	989	H73	T B	13	-47.170	-42.561	68.823	1.00	0.00	H
ATOM	990	H2'1	T B	13	-46.031	-44.572	64.939	1.00	0.00	H
ATOM	991	H2'2	T B	13	-45.339	-45.985	64.157	1.00	0.00	H
ATOM	992	H5'1	T B	13	-43.918	-41.471	65.658	1.00	0.00	H
ATOM	993	H5'2	T B	13	-44.457	-41.129	64.000	1.00	0.00	H
ATOM	994	C1'	G B	14	-42.843	-49.853	65.347	1.00	0.00	C
ATOM	995	N1	G B	14	-44.788	-50.002	70.061	1.00	0.00	N
ATOM	996	C2	G B	14	-43.652	-50.605	69.550	1.00	0.00	C
ATOM	997	N2	G B	14	-42.941	-51.346	70.407	1.00	0.00	N
ATOM	998	N3	G B	14	-43.257	-50.476	68.285	1.00	0.00	N
ATOM	999	C4	G B	14	-44.100	-49.695	67.557	1.00	0.00	C
ATOM	1000	C5	G B	14	-45.254	-49.059	67.979	1.00	0.00	C

ATOM	1001	C6	G B	14	-45.673	-49.191	69.324	1.00	0.00	C
ATOM	1002	O6	G B	14	-46.659	-48.708	69.881	1.00	0.00	O
ATOM	1003	N7	G B	14	-45.833	-48.354	66.921	1.00	0.00	N
ATOM	1004	C8	G B	14	-45.027	-48.579	65.916	1.00	0.00	C
ATOM	1005	N9	G B	14	-43.951	-49.386	66.223	1.00	0.00	N
ATOM	1006	C2'	G B	14	-43.279	-50.181	63.926	1.00	0.00	C
ATOM	1007	C3'	G B	14	-42.075	-49.733	63.113	1.00	0.00	C
ATOM	1008	O3'	G B	14	-41.110	-50.782	63.090	1.00	0.00	O
ATOM	1009	C4'	G B	14	-41.582	-48.510	63.882	1.00	0.00	C
ATOM	1010	O4'	G B	14	-41.880	-48.819	65.280	1.00	0.00	O
ATOM	1011	C5'	G B	14	-42.226	-47.190	63.530	1.00	0.00	C
ATOM	1012	O5'	G B	14	-43.631	-47.393	63.236	1.00	0.00	O
ATOM	1013	O1P	G B	14	-43.799	-46.829	60.788	1.00	0.00	O
ATOM	1014	O2P	G B	14	-45.794	-46.544	62.282	1.00	0.00	O
ATOM	1015	P	G B	14	-44.321	-46.481	62.123	1.00	0.00	P
ATOM	1016	H1	G B	14	-45.002	-50.159	71.058	1.00	0.00	H
ATOM	1017	H8	G B	14	-45.192	-48.164	64.920	1.00	0.00	H
ATOM	1018	H1'	G B	14	-42.374	-50.716	65.820	1.00	0.00	H
ATOM	1019	H21	G B	14	-43.252	-51.438	71.387	1.00	0.00	H
ATOM	1020	H3'	G B	14	-42.347	-49.471	62.090	1.00	0.00	H
ATOM	1021	H22	G B	14	-42.087	-51.824	70.089	1.00	0.00	H
ATOM	1022	H4'	G B	14	-40.513	-48.422	63.685	1.00	0.00	H
ATOM	1023	H2'1	G B	14	-44.178	-49.639	63.634	1.00	0.00	H
ATOM	1024	H2'2	G B	14	-43.478	-51.243	63.788	1.00	0.00	H
ATOM	1025	H5'1	G B	14	-42.121	-46.505	64.371	1.00	0.00	H
ATOM	1026	H5'2	G B	14	-41.723	-46.768	62.660	1.00	0.00	H
ATOM	1027	C1'	C B	15	-42.587	-54.472	67.118	1.00	0.00	C
ATOM	1028	N1	C B	15	-43.871	-53.722	67.143	1.00	0.00	N
ATOM	1029	C2	C B	15	-44.562	-53.649	68.351	1.00	0.00	C
ATOM	1030	O2	C B	15	-44.081	-54.207	69.347	1.00	0.00	O
ATOM	1031	N3	C B	15	-45.734	-52.969	68.397	1.00	0.00	N
ATOM	1032	C4	C B	15	-46.227	-52.377	67.303	1.00	0.00	C
ATOM	1033	N4	C B	15	-47.376	-51.723	67.404	1.00	0.00	N
ATOM	1034	C5	C B	15	-45.542	-52.438	66.043	1.00	0.00	C
ATOM	1035	C6	C B	15	-44.362	-53.124	66.024	1.00	0.00	C
ATOM	1036	C2'	C B	15	-42.366	-55.266	65.838	1.00	0.00	C
ATOM	1037	C3'	C B	15	-40.864	-55.137	65.639	1.00	0.00	C
ATOM	1038	O3'	C B	15	-40.201	-56.137	66.411	1.00	0.00	O
ATOM	1039	C4'	C B	15	-40.573	-53.728	66.151	1.00	0.00	C
ATOM	1040	O4'	C B	15	-41.536	-53.531	67.236	1.00	0.00	O
ATOM	1041	C5'	C B	15	-40.734	-52.604	65.154	1.00	0.00	C
ATOM	1042	O5'	C B	15	-41.852	-52.886	64.275	1.00	0.00	O
ATOM	1043	O1P	C B	15	-40.763	-53.200	62.027	1.00	0.00	O
ATOM	1044	O2P	C B	15	-43.137	-52.399	62.170	1.00	0.00	O
ATOM	1045	P	C B	15	-41.774	-52.408	62.756	1.00	0.00	P
ATOM	1046	H5	C B	15	-45.945	-51.962	65.150	1.00	0.00	H
ATOM	1047	H6	C B	15	-43.801	-53.192	65.092	1.00	0.00	H
ATOM	1048	H1'	C B	15	-42.555	-55.123	67.992	1.00	0.00	H
ATOM	1049	H3'	C B	15	-40.579	-55.241	64.593	1.00	0.00	H
ATOM	1050	H4'	C B	15	-39.539	-53.722	66.494	1.00	0.00	H
ATOM	1051	H41	C B	15	-47.778	-51.255	66.578	1.00	0.00	H
ATOM	1052	H42	C B	15	-47.867	-51.683	68.309	1.00	0.00	H
ATOM	1053	H2'1	C B	15	-42.914	-54.851	64.993	1.00	0.00	H
ATOM	1054	H2'2	C B	15	-42.665	-56.310	65.941	1.00	0.00	H

ATOM	1055	H5 '1	C B	15	-40.912	-51.672	65.690	1.00	0.00	H
ATOM	1056	H5 '2	C B	15	-39.820	-52.513	64.568	1.00	0.00	H
ATOM	1057	C1 '	G B	16	-44.028	-58.198	70.042	1.00	0.00	C
ATOM	1058	N1	G B	16	-48.502	-55.747	70.005	1.00	0.00	N
ATOM	1059	C2	G B	16	-47.829	-56.351	71.051	1.00	0.00	C
ATOM	1060	N2	G B	16	-48.428	-56.294	72.248	1.00	0.00	N
ATOM	1061	N3	G B	16	-46.652	-56.960	70.917	1.00	0.00	N
ATOM	1062	C4	G B	16	-46.197	-56.926	69.637	1.00	0.00	C
ATOM	1063	C5	G B	16	-46.800	-56.353	68.530	1.00	0.00	C
ATOM	1064	C6	G B	16	-48.049	-55.703	68.674	1.00	0.00	C
ATOM	1065	O6	G B	16	-48.733	-55.140	67.817	1.00	0.00	O
ATOM	1066	N7	G B	16	-46.006	-56.539	67.396	1.00	0.00	N
ATOM	1067	C8	G B	16	-44.969	-57.201	67.842	1.00	0.00	C
ATOM	1068	N9	G B	16	-45.014	-57.475	69.195	1.00	0.00	N
ATOM	1069	C2 '	G B	16	-43.377	-59.387	69.347	1.00	0.00	C
ATOM	1070	C3 '	G B	16	-41.964	-59.347	69.907	1.00	0.00	C
ATOM	1071	O3 '	G B	16	-41.938	-60.026	71.160	1.00	0.00	O
ATOM	1072	C4 '	G B	16	-41.700	-57.850	70.057	1.00	0.00	C
ATOM	1073	O4 '	G B	16	-43.007	-57.285	70.393	1.00	0.00	O
ATOM	1074	C5 '	G B	16	-41.166	-57.137	68.838	1.00	0.00	C
ATOM	1075	O5 '	G B	16	-41.766	-57.694	67.641	1.00	0.00	O
ATOM	1076	O1P	G B	16	-39.824	-58.770	66.459	1.00	0.00	O
ATOM	1077	O2P	G B	16	-41.794	-57.949	65.143	1.00	0.00	O
ATOM	1078	P	G B	16	-40.894	-57.769	66.307	1.00	0.00	P
ATOM	1079	H1	G B	16	-49.405	-55.297	70.216	1.00	0.00	H
ATOM	1080	H8	G B	16	-44.143	-57.510	67.202	1.00	0.00	H
ATOM	1081	H1 '	G B	16	-44.531	-58.510	70.959	1.00	0.00	H
ATOM	1082	H21	G B	16	-49.338	-55.819	72.346	1.00	0.00	H
ATOM	1083	H3 '	G B	16	-41.244	-59.808	69.232	1.00	0.00	H
ATOM	1084	H22	G B	16	-47.980	-56.727	73.067	1.00	0.00	H
ATOM	1085	H4 '	G B	16	-40.969	-57.736	70.857	1.00	0.00	H
ATOM	1086	H2 '1	G B	16	-43.377	-59.281	68.262	1.00	0.00	H
ATOM	1087	H2 '2	G B	16	-43.873	-60.328	69.586	1.00	0.00	H
ATOM	1088	H5 '1	G B	16	-41.403	-56.076	68.910	1.00	0.00	H
ATOM	1089	H5 '2	G B	16	-40.083	-57.261	68.798	1.00	0.00	H
ATOM	1090	C1 '	G B	17	-47.316	-60.675	72.797	1.00	0.00	C
ATOM	1091	N1	G B	17	-50.726	-58.344	69.804	1.00	0.00	N
ATOM	1092	C2	G B	17	-50.743	-58.556	71.172	1.00	0.00	C
ATOM	1093	N2	G B	17	-51.811	-58.085	71.828	1.00	0.00	N
ATOM	1094	N3	G B	17	-49.772	-59.184	71.830	1.00	0.00	N
ATOM	1095	C4	G B	17	-48.774	-59.600	71.006	1.00	0.00	C
ATOM	1096	C5	G B	17	-48.674	-59.437	69.635	1.00	0.00	C
ATOM	1097	C6	G B	17	-49.702	-58.766	68.935	1.00	0.00	C
ATOM	1098	O6	G B	17	-49.794	-58.526	67.731	1.00	0.00	O
ATOM	1099	N7	G B	17	-47.491	-60.010	69.166	1.00	0.00	N
ATOM	1100	C8	G B	17	-46.921	-60.487	70.242	1.00	0.00	C
ATOM	1101	N9	G B	17	-47.641	-60.279	71.400	1.00	0.00	N
ATOM	1102	C2 '	G B	17	-46.642	-62.036	72.906	1.00	0.00	C
ATOM	1103	C3 '	G B	17	-45.674	-61.819	74.060	1.00	0.00	C
ATOM	1104	O3 '	G B	17	-46.359	-62.025	75.292	1.00	0.00	O
ATOM	1105	C4 '	G B	17	-45.245	-60.365	73.874	1.00	0.00	C
ATOM	1106	O4 '	G B	17	-46.432	-59.707	73.325	1.00	0.00	O
ATOM	1107	C5 '	G B	17	-44.083	-60.122	72.939	1.00	0.00	C
ATOM	1108	O5 '	G B	17	-44.145	-61.050	71.827	1.00	0.00	O



ATOM	1109	O1P	G B	17	-42.105	-62.487	72.155	1.00	0.00	O
ATOM	1110	O2P	G B	17	-43.046	-62.151	69.854	1.00	0.00	O
ATOM	1111	P	G B	17	-42.781	-61.588	71.200	1.00	0.00	P
ATOM	1112	H1	G B	17	-51.526	-57.839	69.391	1.00	0.00	H
ATOM	1113	H8	G B	17	-45.964	-61.006	70.226	1.00	0.00	H
ATOM	1114	H1'	G B	17	-48.234	-60.646	73.383	1.00	0.00	H
ATOM	1115	H21	G B	17	-52.557	-57.596	71.313	1.00	0.00	H
ATOM	1116	H3'	G B	17	-44.817	-62.491	74.006	1.00	0.00	H
ATOM	1117	H22	G B	17	-51.884	-58.212	72.847	1.00	0.00	H
ATOM	1118	H4'	G B	17	-44.965	-59.988	74.856	1.00	0.00	H
ATOM	1119	H2'1	G B	17	-46.115	-62.311	71.993	1.00	0.00	H
ATOM	1120	H2'2	G B	17	-47.352	-62.832	73.129	1.00	0.00	H
ATOM	1121	H5'1	G B	17	-44.130	-59.098	72.567	1.00	0.00	H
ATOM	1122	H5'2	G B	17	-43.150	-60.261	73.484	1.00	0.00	H
ATOM	1123	C1'	C B	18	-51.896	-62.017	74.121	1.00	0.00	C
ATOM	1124	N1	C B	18	-51.456	-62.119	72.702	1.00	0.00	N
ATOM	1125	C2	C B	18	-52.265	-61.539	71.726	1.00	0.00	C
ATOM	1126	O2	C B	18	-53.306	-60.968	72.074	1.00	0.00	O
ATOM	1127	N3	C B	18	-51.883	-61.622	70.429	1.00	0.00	N
ATOM	1128	C4	C B	18	-50.750	-62.249	70.084	1.00	0.00	C
ATOM	1129	N4	C B	18	-50.424	-62.297	68.800	1.00	0.00	N
ATOM	1130	C5	C B	18	-49.903	-62.855	71.065	1.00	0.00	C
ATOM	1131	C6	C B	18	-50.305	-62.757	72.364	1.00	0.00	C
ATOM	1132	C2'	C B	18	-51.611	-63.266	74.943	1.00	0.00	C
ATOM	1133	C3'	C B	18	-51.266	-62.679	76.303	1.00	0.00	C
ATOM	1134	O3'	C B	18	-52.472	-62.440	77.027	1.00	0.00	O
ATOM	1135	C4'	C B	18	-50.545	-61.383	75.941	1.00	0.00	C
ATOM	1136	O4'	C B	18	-51.198	-60.936	74.710	1.00	0.00	O
ATOM	1137	C5'	C B	18	-49.059	-61.491	75.687	1.00	0.00	C
ATOM	1138	O5'	C B	18	-48.766	-62.745	75.019	1.00	0.00	O
ATOM	1139	O1P	C B	18	-47.411	-64.010	76.723	1.00	0.00	O
ATOM	1140	O2P	C B	18	-47.098	-64.473	74.277	1.00	0.00	O
ATOM	1141	P	C B	18	-47.391	-63.484	75.343	1.00	0.00	P
ATOM	1142	H5	C B	18	-48.982	-63.369	70.789	1.00	0.00	H
ATOM	1143	H6	C B	18	-49.692	-63.202	73.148	1.00	0.00	H
ATOM	1144	H1'	C B	18	-52.959	-61.776	74.131	1.00	0.00	H
ATOM	1145	H3'	C B	18	-50.622	-63.340	76.882	1.00	0.00	H
ATOM	1146	H4'	C B	18	-50.689	-60.695	76.774	1.00	0.00	H
ATOM	1147	H41	C B	18	-49.557	-62.772	68.507	1.00	0.00	H
ATOM	1148	H42	C B	18	-51.036	-61.860	68.096	1.00	0.00	H
ATOM	1149	H2'1	C B	18	-50.781	-63.846	74.541	1.00	0.00	H
ATOM	1150	H2'2	C B	18	-52.475	-63.928	75.003	1.00	0.00	H
ATOM	1151	H5'1	C B	18	-48.741	-60.658	75.060	1.00	0.00	H
ATOM	1152	H5'2	C B	18	-48.529	-61.448	76.637	1.00	0.00	H
ATOM	1153	C1'	C B	19	-56.720	-62.777	73.298	1.00	0.00	C
ATOM	1154	N1	C B	19	-55.696	-63.366	72.393	1.00	0.00	N
ATOM	1155	C2	C B	19	-55.834	-63.150	71.023	1.00	0.00	C
ATOM	1156	O2	C B	19	-56.794	-62.482	70.617	1.00	0.00	O
ATOM	1157	N3	C B	19	-54.911	-63.678	70.183	1.00	0.00	N
ATOM	1158	C4	C B	19	-53.883	-64.397	70.653	1.00	0.00	C
ATOM	1159	N4	C B	19	-53.011	-64.888	69.789	1.00	0.00	N
ATOM	1160	C5	C B	19	-53.720	-64.634	72.055	1.00	0.00	C
ATOM	1161	C6	C B	19	-54.658	-64.093	72.882	1.00	0.00	C
ATOM	1162	C2'	C B	19	-57.082	-63.669	74.477	1.00	0.00	C



ATOM	1	C1'	A A	1	-70.227	-42.352	92.588	1.00	0.00	C
ATOM	2	N1	A A	1	-67.928	-44.248	96.766	1.00	0.00	N
ATOM	3	C2	A A	1	-68.640	-43.144	96.555	1.00	0.00	C
ATOM	4	N3	A A	1	-69.209	-42.716	95.449	1.00	0.00	N
ATOM	5	C4	A A	1	-68.980	-43.578	94.442	1.00	0.00	C
ATOM	6	C5	A A	1	-68.272	-44.746	94.493	1.00	0.00	C
ATOM	7	C6	A A	1	-67.716	-45.089	95.744	1.00	0.00	C
ATOM	8	N6	A A	1	-66.997	-46.207	95.945	1.00	0.00	N
ATOM	9	N7	A A	1	-68.249	-45.370	93.258	1.00	0.00	N
ATOM	10	C8	A A	1	-68.934	-44.573	92.493	1.00	0.00	C
ATOM	11	N9	A A	1	-69.411	-43.464	93.143	1.00	0.00	N
ATOM	12	C2'	A A	1	-69.844	-41.959	91.168	1.00	0.00	C
ATOM	13	C3'	A A	1	-71.192	-41.597	90.565	1.00	0.00	C
ATOM	14	O3'	A A	1	-71.502	-40.244	90.889	1.00	0.00	O
ATOM	15	C4'	A A	1	-72.143	-42.584	91.239	1.00	0.00	C
ATOM	16	O4'	A A	1	-71.577	-42.774	92.577	1.00	0.00	O
ATOM	17	C5'	A A	1	-72.285	-43.935	90.579	1.00	0.00	C
ATOM	18	O5'	A A	1	-71.008	-44.352	90.033	1.00	0.00	O
ATOM	19	H2	A A	1	-68.772	-42.502	97.425	1.00	0.00	H
ATOM	20	H8	A A	1	-69.113	-44.768	91.436	1.00	0.00	H
ATOM	21	H1'	A A	1	-70.147	-41.501	93.264	1.00	0.00	H
ATOM	22	H3'	A A	1	-71.202	-41.719	89.481	1.00	0.00	H
ATOM	23	H4'	A A	1	-73.126	-42.115	91.255	1.00	0.00	H
ATOM	24	H61	A A	1	-66.614	-46.411	96.877	1.00	0.00	H
ATOM	25	H62	A A	1	-66.831	-46.858	95.163	1.00	0.00	H
ATOM	26	H5T	A A	1	-70.999	-44.867	89.223	1.00	0.00	H
ATOM	27	H2'1	A A	1	-69.373	-42.777	90.625	1.00	0.00	H
ATOM	28	H2'2	A A	1	-69.158	-41.112	91.144	1.00	0.00	H
ATOM	29	H5'1	A A	1	-72.624	-44.661	91.319	1.00	0.00	H
ATOM	30	H5'2	A A	1	-73.022	-43.868	89.781	1.00	0.00	H
ATOM	31	C1'	G A	2	-67.905	-38.728	95.064	1.00	0.00	C
ATOM	32	N1	G A	2	-64.970	-42.529	96.780	1.00	0.00	N
ATOM	33	C2	G A	2	-65.507	-41.451	97.455	1.00	0.00	C
ATOM	34	N2	G A	2	-65.224	-41.372	98.761	1.00	0.00	N
ATOM	35	N3	G A	2	-66.267	-40.523	96.876	1.00	0.00	N
ATOM	36	C4	G A	2	-66.445	-40.757	95.548	1.00	0.00	C
ATOM	37	C5	G A	2	-65.945	-41.804	94.791	1.00	0.00	C
ATOM	38	C6	G A	2	-65.142	-42.791	95.409	1.00	0.00	C
ATOM	39	O6	G A	2	-64.615	-43.786	94.910	1.00	0.00	O
ATOM	40	N7	G A	2	-66.359	-41.680	93.463	1.00	0.00	N
ATOM	41	C8	G A	2	-67.081	-40.589	93.458	1.00	0.00	C
ATOM	42	N9	G A	2	-67.179	-39.971	94.688	1.00	0.00	N
ATOM	43	C2'	G A	2	-67.851	-37.639	94.000	1.00	0.00	C
ATOM	44	C3'	G A	2	-69.224	-37.002	94.125	1.00	0.00	C
ATOM	45	O3'	G A	2	-69.195	-36.028	95.167	1.00	0.00	O
ATOM	46	C4'	G A	2	-70.120	-38.191	94.472	1.00	0.00	C
ATOM	47	O4'	G A	2	-69.263	-39.067	95.272	1.00	0.00	O
ATOM	48	C5'	G A	2	-70.667	-38.981	93.307	1.00	0.00	C
ATOM	49	O5'	G A	2	-69.674	-39.052	92.254	1.00	0.00	O
ATOM	50	O1P	G A	2	-70.720	-37.735	90.380	1.00	0.00	O
ATOM	51	O2P	G A	2	-69.073	-39.558	89.867	1.00	0.00	O
ATOM	52	P	G A	2	-70.166	-39.056	90.736	1.00	0.00	P
ATOM	53	H1	G A	2	-64.397	-43.192	97.323	1.00	0.00	H
ATOM	54	H8	G A	2	-67.564	-40.201	92.561	1.00	0.00	H

ATOM	55	H1'	G A	2	-67.500	-38.369	96.010	1.00	0.00	H
ATOM	56	H21	G A	2	-64.637	-42.093	99.204	1.00	0.00	H
ATOM	57	H3'	G A	2	-69.542	-36.529	93.196	1.00	0.00	H
ATOM	58	H22	G A	2	-65.594	-40.590	99.320	1.00	0.00	H
ATOM	59	H4'	G A	2	-70.966	-37.796	95.033	1.00	0.00	H
ATOM	60	H2'1	G A	2	-67.692	-38.047	93.000	1.00	0.00	H
ATOM	61	H2'2	G A	2	-67.057	-36.916	94.189	1.00	0.00	H
ATOM	62	H5'1	G A	2	-70.920	-39.986	93.643	1.00	0.00	H
ATOM	63	H5'2	G A	2	-71.567	-38.491	92.935	1.00	0.00	H
ATOM	64	C1'	G A	3	-64.454	-36.927	98.125	1.00	0.00	C
ATOM	65	N1	G A	3	-61.860	-41.094	96.740	1.00	0.00	N
ATOM	66	C2	G A	3	-62.013	-40.520	97.987	1.00	0.00	C
ATOM	67	N2	G A	3	-61.389	-41.134	99.000	1.00	0.00	N
ATOM	68	N3	G A	3	-62.728	-39.419	98.207	1.00	0.00	N
ATOM	69	C4	G A	3	-63.283	-38.927	97.068	1.00	0.00	C
ATOM	70	C5	G A	3	-63.182	-39.432	95.782	1.00	0.00	C
ATOM	71	C6	G A	3	-62.425	-40.603	95.548	1.00	0.00	C
ATOM	72	O6	G A	3	-62.221	-41.198	94.490	1.00	0.00	O
ATOM	73	N7	G A	3	-63.900	-38.631	94.891	1.00	0.00	N
ATOM	74	C8	G A	3	-64.403	-37.690	95.648	1.00	0.00	C
ATOM	75	N9	G A	3	-64.072	-37.801	96.982	1.00	0.00	N
ATOM	76	C2'	G A	3	-64.495	-35.446	97.777	1.00	0.00	C
ATOM	77	C3'	G A	3	-65.659	-34.953	98.620	1.00	0.00	C
ATOM	78	O3'	G A	3	-65.196	-34.664	99.937	1.00	0.00	O
ATOM	79	C4'	G A	3	-66.622	-36.140	98.596	1.00	0.00	C
ATOM	80	O4'	G A	3	-65.748	-37.312	98.549	1.00	0.00	O
ATOM	81	C5'	G A	3	-67.579	-36.204	97.428	1.00	0.00	C
ATOM	82	O5'	G A	3	-66.922	-35.725	96.229	1.00	0.00	O
ATOM	83	O1P	G A	3	-68.181	-33.616	95.676	1.00	0.00	O
ATOM	84	O2P	G A	3	-67.058	-34.921	93.852	1.00	0.00	O
ATOM	85	P	G A	3	-67.785	-34.934	95.145	1.00	0.00	P
ATOM	86	H1	G A	3	-61.287	-41.950	96.678	1.00	0.00	H
ATOM	87	H8	G A	3	-65.030	-36.888	95.259	1.00	0.00	H
ATOM	88	H1'	G A	3	-63.761	-37.117	98.946	1.00	0.00	H
ATOM	89	H21	G A	3	-60.839	-41.987	98.824	1.00	0.00	H
ATOM	90	H3'	G A	3	-66.123	-34.062	98.196	1.00	0.00	H
ATOM	91	H22	G A	3	-61.462	-40.754	99.954	1.00	0.00	H
ATOM	92	H4'	G A	3	-67.213	-36.087	99.510	1.00	0.00	H
ATOM	93	H2'1	G A	3	-64.672	-35.274	96.716	1.00	0.00	H
ATOM	94	H2'2	G A	3	-63.568	-34.933	98.041	1.00	0.00	H
ATOM	95	H5'1	G A	3	-67.902	-37.234	97.287	1.00	0.00	H
ATOM	96	H5'2	G A	3	-68.448	-35.583	97.645	1.00	0.00	H
ATOM	97	C1'	C A	4	-60.071	-37.015	100.430	1.00	0.00	C
ATOM	98	N1	C A	4	-60.151	-37.176	98.951	1.00	0.00	N
ATOM	99	C2	C A	4	-59.499	-38.267	98.380	1.00	0.00	C
ATOM	100	O2	C A	4	-58.886	-39.050	99.114	1.00	0.00	O
ATOM	101	N3	C A	4	-59.561	-38.430	97.036	1.00	0.00	N
ATOM	102	C4	C A	4	-60.232	-37.564	96.266	1.00	0.00	C
ATOM	103	N4	C A	4	-60.261	-37.775	94.958	1.00	0.00	N
ATOM	104	C5	C A	4	-60.908	-36.434	96.829	1.00	0.00	C
ATOM	105	C6	C A	4	-60.836	-36.289	98.183	1.00	0.00	C
ATOM	106	C2'	C A	4	-59.946	-35.567	100.884	1.00	0.00	C
ATOM	107	C3'	C A	4	-60.756	-35.568	102.173	1.00	0.00	C
ATOM	108	O3'	C A	4	-59.925	-36.008	103.246	1.00	0.00	O

ATOM	109	C4'	C A	4	-61.878	-36.557	101.868	1.00	0.00	C
ATOM	110	O4'	C A	4	-61.260	-37.547	100.986	1.00	0.00	O
ATOM	111	C5'	C A	4	-63.099	-35.995	101.180	1.00	0.00	C
ATOM	112	O5'	C A	4	-62.701	-34.971	100.233	1.00	0.00	O
ATOM	113	O1P	C A	4	-63.682	-32.865	101.202	1.00	0.00	O
ATOM	114	O2P	C A	4	-63.304	-33.051	98.729	1.00	0.00	O
ATOM	115	P	C A	4	-63.666	-33.723	100.000	1.00	0.00	P
ATOM	116	H5	C A	4	-61.452	-35.724	96.205	1.00	0.00	H
ATOM	117	H6	C A	4	-61.340	-35.447	98.658	1.00	0.00	H
ATOM	118	H1'	C A	4	-59.235	-37.612	100.793	1.00	0.00	H
ATOM	119	H3'	C A	4	-61.152	-34.580	102.405	1.00	0.00	H
ATOM	120	H4'	C A	4	-62.197	-36.976	102.822	1.00	0.00	H
ATOM	121	H41	C A	4	-60.771	-37.125	94.342	1.00	0.00	H
ATOM	122	H42	C A	4	-59.774	-38.589	94.556	1.00	0.00	H
ATOM	123	H2'1	C A	4	-60.360	-34.868	100.158	1.00	0.00	H
ATOM	124	H2'2	C A	4	-58.910	-35.278	101.065	1.00	0.00	H
ATOM	125	H5'1	C A	4	-63.619	-36.798	100.658	1.00	0.00	H
ATOM	126	H5'2	C A	4	-63.766	-35.564	101.928	1.00	0.00	H
ATOM	127	C1'	C A	5	-55.320	-38.330	100.902	1.00	0.00	C
ATOM	128	N1	C A	5	-55.807	-37.698	99.646	1.00	0.00	N
ATOM	129	C2	C A	5	-55.523	-38.338	98.441	1.00	0.00	C
ATOM	130	O2	C A	5	-54.880	-39.397	98.462	1.00	0.00	O
ATOM	131	N3	C A	5	-55.959	-37.778	97.285	1.00	0.00	N
ATOM	132	C4	C A	5	-56.650	-36.632	97.293	1.00	0.00	C
ATOM	133	N4	C A	5	-57.054	-36.133	96.135	1.00	0.00	N
ATOM	134	C5	C A	5	-56.955	-35.952	98.517	1.00	0.00	C
ATOM	135	C6	C A	5	-56.509	-36.535	99.667	1.00	0.00	C
ATOM	136	C2'	C A	5	-54.838	-37.331	101.944	1.00	0.00	C
ATOM	137	C3'	C A	5	-55.273	-37.994	103.243	1.00	0.00	C
ATOM	138	O3'	C A	5	-54.278	-38.936	103.641	1.00	0.00	O
ATOM	139	C4'	C A	5	-56.585	-38.670	102.857	1.00	0.00	C
ATOM	140	O4'	C A	5	-56.395	-39.063	101.461	1.00	0.00	O
ATOM	141	C5'	C A	5	-57.832	-37.819	102.954	1.00	0.00	C
ATOM	142	O5'	C A	5	-57.526	-36.456	102.562	1.00	0.00	O
ATOM	143	O1P	C A	5	-57.849	-35.153	104.691	1.00	0.00	O
ATOM	144	O2P	C A	5	-58.166	-34.028	102.471	1.00	0.00	O
ATOM	145	P	C A	5	-58.291	-35.260	103.287	1.00	0.00	P
ATOM	146	H5	C A	5	-57.514	-35.016	98.528	1.00	0.00	H
ATOM	147	H6	C A	5	-56.721	-36.058	100.625	1.00	0.00	H
ATOM	148	H1'	C A	5	-54.531	-39.037	100.643	1.00	0.00	H
ATOM	149	H3'	C A	5	-55.422	-37.268	104.042	1.00	0.00	H
ATOM	150	H4'	C A	5	-56.713	-39.520	103.527	1.00	0.00	H
ATOM	151	H41	C A	5	-57.590	-35.252	96.113	1.00	0.00	H
ATOM	152	H42	C A	5	-56.832	-36.622	95.257	1.00	0.00	H
ATOM	153	H2'1	C A	5	-55.302	-36.353	101.826	1.00	0.00	H
ATOM	154	H2'2	C A	5	-53.757	-37.188	101.912	1.00	0.00	H
ATOM	155	H5'1	C A	5	-58.597	-38.230	102.294	1.00	0.00	H
ATOM	156	H5'2	C A	5	-58.196	-37.836	103.980	1.00	0.00	H
ATOM	157	C1'	G A	6	-50.903	-39.744	99.163	1.00	0.00	C
ATOM	158	N1	G A	6	-52.474	-37.430	94.896	1.00	0.00	N
ATOM	159	C2	G A	6	-51.814	-38.635	95.061	1.00	0.00	C
ATOM	160	N2	G A	6	-51.532	-39.310	93.942	1.00	0.00	N
ATOM	161	N3	G A	6	-51.463	-39.124	96.249	1.00	0.00	N
ATOM	162	C4	G A	6	-51.820	-38.304	97.272	1.00	0.00	C

ATOM	163	C5	G A	6	-52.477	-37.086	97.202	1.00	0.00	C
ATOM	164	C6	G A	6	-52.853	-36.567	95.943	1.00	0.00	C
ATOM	165	O6	G A	6	-53.435	-35.515	95.678	1.00	0.00	O
ATOM	166	N7	G A	6	-52.655	-36.560	98.483	1.00	0.00	N
ATOM	167	C8	G A	6	-52.118	-37.455	99.270	1.00	0.00	C
ATOM	168	N9	G A	6	-51.588	-38.544	98.609	1.00	0.00	N
ATOM	169	C2'	G A	6	-50.007	-39.443	100.355	1.00	0.00	C
ATOM	170	C3'	G A	6	-50.192	-40.684	101.213	1.00	0.00	C
ATOM	171	O3'	G A	6	-49.302	-41.703	100.763	1.00	0.00	O
ATOM	172	C4'	G A	6	-51.656	-41.048	100.973	1.00	0.00	C
ATOM	173	O4'	G A	6	-51.902	-40.653	99.587	1.00	0.00	O
ATOM	174	C5'	G A	6	-52.671	-40.365	101.858	1.00	0.00	C
ATOM	175	O5'	G A	6	-52.255	-39.002	102.122	1.00	0.00	O
ATOM	176	O1P	G A	6	-51.789	-39.005	104.596	1.00	0.00	O
ATOM	177	O2P	G A	6	-52.479	-36.881	103.452	1.00	0.00	O
ATOM	178	P	G A	6	-52.593	-38.358	103.542	1.00	0.00	P
ATOM	179	H1	G A	6	-52.708	-37.144	93.933	1.00	0.00	H
ATOM	180	H8	G A	6	-52.089	-37.352	100.355	1.00	0.00	H
ATOM	181	H1'	G A	6	-50.339	-40.217	98.358	1.00	0.00	H
ATOM	182	H21	G A	6	-51.810	-38.928	93.026	1.00	0.00	H
ATOM	183	H3'	G A	6	-50.004	-40.483	102.269	1.00	0.00	H
ATOM	184	H22	G A	6	-51.038	-40.213	93.996	1.00	0.00	H
ATOM	185	H4'	G A	6	-51.745	-42.122	101.132	1.00	0.00	H
ATOM	186	H2'1	G A	6	-50.315	-38.543	100.887	1.00	0.00	H
ATOM	187	H2'2	G A	6	-48.964	-39.312	100.066	1.00	0.00	H
ATOM	188	H5'1	G A	6	-53.639	-40.364	101.358	1.00	0.00	H
ATOM	189	H5'2	G A	6	-52.755	-40.914	102.796	1.00	0.00	H
ATOM	190	C1'	C A	7	-47.397	-40.091	95.682	1.00	0.00	C
ATOM	191	N1	C A	7	-47.990	-38.770	96.029	1.00	0.00	N
ATOM	192	C2	C A	7	-48.481	-37.983	94.988	1.00	0.00	C
ATOM	193	O2	C A	7	-48.404	-38.409	93.829	1.00	0.00	O
ATOM	194	N3	C A	7	-49.025	-36.777	95.283	1.00	0.00	N
ATOM	195	C4	C A	7	-49.094	-36.342	96.547	1.00	0.00	C
ATOM	196	N4	C A	7	-49.638	-35.157	96.779	1.00	0.00	N
ATOM	197	C5	C A	7	-48.594	-37.129	97.637	1.00	0.00	C
ATOM	198	C6	C A	7	-48.053	-38.343	97.317	1.00	0.00	C
ATOM	199	C2'	C A	7	-46.181	-40.457	96.522	1.00	0.00	C
ATOM	200	C3'	C A	7	-46.344	-41.962	96.674	1.00	0.00	C
ATOM	201	O3'	C A	7	-45.787	-42.610	95.532	1.00	0.00	O
ATOM	202	C4'	C A	7	-47.858	-42.134	96.756	1.00	0.00	C
ATOM	203	O4'	C A	7	-48.390	-41.077	95.895	1.00	0.00	O
ATOM	204	C5'	C A	7	-48.476	-41.996	98.128	1.00	0.00	C
ATOM	205	O5'	C A	7	-47.780	-40.970	98.878	1.00	0.00	O
ATOM	206	O1P	C A	7	-46.690	-42.253	100.750	1.00	0.00	O
ATOM	207	O2P	C A	7	-47.287	-39.836	101.065	1.00	0.00	O
ATOM	208	P	C A	7	-47.622	-41.145	100.455	1.00	0.00	P
ATOM	209	H5	C A	7	-48.641	-36.777	98.668	1.00	0.00	H
ATOM	210	H6	C A	7	-47.667	-38.981	98.112	1.00	0.00	H
ATOM	211	H1'	C A	7	-47.152	-40.086	94.621	1.00	0.00	H
ATOM	212	H3'	C A	7	-45.855	-42.335	97.575	1.00	0.00	H
ATOM	213	H4'	C A	7	-48.083	-43.136	96.390	1.00	0.00	H
ATOM	214	H41	C A	7	-49.706	-34.799	97.742	1.00	0.00	H
ATOM	215	H42	C A	7	-49.995	-34.591	95.994	1.00	0.00	H
ATOM	216	H2'1	C A	7	-46.182	-39.958	97.490	1.00	0.00	H

ATOM	217	H2'2	C	A	7	-45.243	-40.206	96.025	1.00	0.00	H
ATOM	218	H5'1	C	A	7	-49.527	-41.726	98.022	1.00	0.00	H
ATOM	219	H5'2	C	A	7	-48.402	-42.949	98.652	1.00	0.00	H
ATOM	220	C1'	A	A	8	-45.019	-38.632	91.594	1.00	0.00	C
ATOM	221	N1	A	A	8	-46.906	-34.022	92.832	1.00	0.00	N
ATOM	222	C2	A	A	8	-46.799	-34.668	91.674	1.00	0.00	C
ATOM	223	N3	A	A	8	-46.303	-35.861	91.424	1.00	0.00	N
ATOM	224	C4	A	A	8	-45.861	-36.428	92.562	1.00	0.00	C
ATOM	225	C5	A	A	8	-45.896	-35.902	93.823	1.00	0.00	C
ATOM	226	C6	A	A	8	-46.458	-34.614	93.949	1.00	0.00	C
ATOM	227	N6	A	A	8	-46.560	-33.971	95.125	1.00	0.00	N
ATOM	228	N7	A	A	8	-45.350	-36.777	94.746	1.00	0.00	N
ATOM	229	C8	A	A	8	-44.997	-37.804	94.030	1.00	0.00	C
ATOM	230	N9	A	A	8	-45.278	-37.665	92.694	1.00	0.00	N
ATOM	231	C2'	A	A	8	-43.707	-39.393	91.740	1.00	0.00	C
ATOM	232	C3'	A	A	8	-44.071	-40.760	91.186	1.00	0.00	C
ATOM	233	O3'	A	A	8	-43.937	-40.740	89.768	1.00	0.00	O
ATOM	234	C4'	A	A	8	-45.525	-40.931	91.626	1.00	0.00	C
ATOM	235	O4'	A	A	8	-46.073	-39.573	91.590	1.00	0.00	O
ATOM	236	C5'	A	A	8	-45.745	-41.506	93.005	1.00	0.00	C
ATOM	237	O5'	A	A	8	-44.722	-41.015	93.910	1.00	0.00	O
ATOM	238	O1P	A	A	8	-43.423	-43.090	94.497	1.00	0.00	O
ATOM	239	O2P	A	A	8	-43.513	-41.167	96.107	1.00	0.00	O
ATOM	240	P	A	A	8	-44.202	-41.976	95.072	1.00	0.00	P
ATOM	241	H2	A	A	8	-47.179	-34.132	90.806	1.00	0.00	H
ATOM	242	H8	A	A	8	-44.522	-38.691	94.449	1.00	0.00	H
ATOM	243	H1'	A	A	8	-45.052	-38.088	90.649	1.00	0.00	H
ATOM	244	H3'	A	A	8	-43.442	-41.548	91.597	1.00	0.00	H
ATOM	245	H4'	A	A	8	-45.997	-41.599	90.907	1.00	0.00	H
ATOM	246	H61	A	A	8	-46.981	-33.033	95.163	1.00	0.00	H
ATOM	247	H62	A	A	8	-46.215	-34.418	95.987	1.00	0.00	H
ATOM	248	H2'1	A	A	8	-43.382	-39.459	92.778	1.00	0.00	H
ATOM	249	H2'2	A	A	8	-42.899	-38.935	91.171	1.00	0.00	H
ATOM	250	H5'1	A	A	8	-46.729	-41.204	93.364	1.00	0.00	H
ATOM	251	H5'2	A	A	8	-45.698	-42.592	92.952	1.00	0.00	H
ATOM	252	C1'	C	A	9	-43.592	-35.239	88.259	1.00	0.00	C
ATOM	253	N1	C	A	9	-43.379	-35.002	89.713	1.00	0.00	N
ATOM	254	C2	C	A	9	-43.826	-33.797	90.251	1.00	0.00	C
ATOM	255	O2	C	A	9	-44.377	-32.978	89.504	1.00	0.00	O
ATOM	256	N3	C	A	9	-43.641	-33.563	91.573	1.00	0.00	N
ATOM	257	C4	C	A	9	-43.039	-34.467	92.355	1.00	0.00	C
ATOM	258	N4	C	A	9	-42.887	-34.187	93.642	1.00	0.00	N
ATOM	259	C5	C	A	9	-42.565	-35.715	91.829	1.00	0.00	C
ATOM	260	C6	C	A	9	-42.766	-35.932	90.495	1.00	0.00	C
ATOM	261	C2'	C	A	9	-42.441	-35.967	87.581	1.00	0.00	C
ATOM	262	C3'	C	A	9	-43.169	-36.833	86.563	1.00	0.00	C
ATOM	263	O3'	C	A	9	-43.418	-36.066	85.388	1.00	0.00	O
ATOM	264	C4'	C	A	9	-44.457	-37.205	87.294	1.00	0.00	C
ATOM	265	O4'	C	A	9	-44.756	-36.034	88.119	1.00	0.00	O
ATOM	266	C5'	C	A	9	-44.397	-38.421	88.187	1.00	0.00	C
ATOM	267	O5'	C	A	9	-43.101	-38.489	88.835	1.00	0.00	O
ATOM	268	O1P	C	A	9	-42.067	-40.564	87.856	1.00	0.00	O
ATOM	269	O2P	C	A	9	-41.392	-39.787	90.145	1.00	0.00	O
ATOM	270	P	C	A	9	-42.462	-39.921	89.125	1.00	0.00	P

ATOM	271	H5	C A	9	-42.068	-36.451	92.462	1.00	0.00	H
ATOM	272	H6	C A	9	-42.431	-36.868	90.051	1.00	0.00	H
ATOM	273	H1'	C A	9	-43.783	-34.278	87.782	1.00	0.00	H
ATOM	274	H3'	C A	9	-42.596	-37.722	86.300	1.00	0.00	H
ATOM	275	H4'	C A	9	-45.212	-37.390	86.530	1.00	0.00	H
ATOM	276	H41	C A	9	-42.429	-34.867	94.266	1.00	0.00	H
ATOM	277	H42	C A	9	-43.226	-33.289	94.017	1.00	0.00	H
ATOM	278	H2'1	C A	9	-41.866	-36.574	88.277	1.00	0.00	H
ATOM	279	H2'2	C A	9	-41.747	-35.281	87.094	1.00	0.00	H
ATOM	280	H5'1	C A	9	-45.182	-38.354	88.940	1.00	0.00	H
ATOM	281	H5'2	C A	9	-44.554	-39.315	87.584	1.00	0.00	H
ATOM	282	C1'	C A	10	-42.523	-30.641	86.760	1.00	0.00	C
ATOM	283	N1	C A	10	-41.902	-31.198	87.993	1.00	0.00	N
ATOM	284	C2	C A	10	-41.983	-30.444	89.161	1.00	0.00	C
ATOM	285	O2	C A	10	-42.564	-29.350	89.129	1.00	0.00	O
ATOM	286	N3	C A	10	-41.424	-30.932	90.295	1.00	0.00	N
ATOM	287	C4	C A	10	-40.801	-32.118	90.300	1.00	0.00	C
ATOM	288	N4	C A	10	-40.274	-32.550	91.437	1.00	0.00	N
ATOM	289	C5	C A	10	-40.698	-32.914	89.112	1.00	0.00	C
ATOM	290	C6	C A	10	-41.274	-32.403	87.982	1.00	0.00	C
ATOM	291	C2'	C A	10	-41.729	-30.922	85.492	1.00	0.00	C
ATOM	292	C3'	C A	10	-42.833	-31.125	84.465	1.00	0.00	C
ATOM	293	O3'	C A	10	-43.245	-29.855	83.963	1.00	0.00	O
ATOM	294	C4'	C A	10	-43.930	-31.809	85.277	1.00	0.00	C
ATOM	295	O4'	C A	10	-43.800	-31.236	86.616	1.00	0.00	O
ATOM	296	C5'	C A	10	-43.845	-33.314	85.386	1.00	0.00	C
ATOM	297	O5'	C A	10	-42.456	-33.722	85.477	1.00	0.00	O
ATOM	298	O1P	C A	10	-42.080	-34.995	83.339	1.00	0.00	O
ATOM	299	O2P	C A	10	-40.711	-35.526	85.373	1.00	0.00	O
ATOM	300	P	C A	10	-42.016	-35.101	84.810	1.00	0.00	P
ATOM	301	H5	C A	10	-40.187	-33.877	89.108	1.00	0.00	H
ATOM	302	H6	C A	10	-41.229	-32.975	87.056	1.00	0.00	H
ATOM	303	H1'	C A	10	-42.667	-29.571	86.903	1.00	0.00	H
ATOM	304	H3'	C A	10	-42.507	-31.752	83.635	1.00	0.00	H
ATOM	305	H4'	C A	10	-44.878	-31.565	84.797	1.00	0.00	H
ATOM	306	H41	C A	10	-39.791	-33.460	91.469	1.00	0.00	H
ATOM	307	H42	C A	10	-40.347	-31.975	92.289	1.00	0.00	H
ATOM	308	H2'1	C A	10	-41.104	-31.809	85.582	1.00	0.00	H
ATOM	309	H2'2	C A	10	-41.080	-30.089	85.218	1.00	0.00	H
ATOM	310	H5'1	C A	10	-44.384	-33.640	86.276	1.00	0.00	H
ATOM	311	H5'2	C A	10	-44.303	-33.762	84.505	1.00	0.00	H
ATOM	312	C1'	T A	11	-41.128	-25.943	87.448	1.00	0.00	C
ATOM	313	N1	T A	11	-40.310	-27.053	88.005	1.00	0.00	N
ATOM	314	C2	T A	11	-39.976	-26.982	89.341	1.00	0.00	C
ATOM	315	O2	T A	11	-40.322	-26.059	90.060	1.00	0.00	O
ATOM	316	N3	T A	11	-39.216	-28.034	89.818	1.00	0.00	N
ATOM	317	C4	T A	11	-38.770	-29.119	89.091	1.00	0.00	C
ATOM	318	O4	T A	11	-38.090	-30.003	89.628	1.00	0.00	O
ATOM	319	C5	T A	11	-39.169	-29.106	87.704	1.00	0.00	C
ATOM	320	C6	T A	11	-39.910	-28.098	87.207	1.00	0.00	C
ATOM	321	C7	T A	11	-38.708	-30.271	86.877	1.00	0.00	C
ATOM	322	C2'	T A	11	-40.744	-25.548	86.028	1.00	0.00	C
ATOM	323	C3'	T A	11	-42.091	-25.189	85.422	1.00	0.00	C
ATOM	324	O3'	T A	11	-42.406	-23.837	85.745	1.00	0.00	O



ATOM	325	C4'	T A	11	-43.039	-26.180	86.093	1.00	0.00	C
ATOM	326	O4'	T A	11	-42.477	-26.366	87.432	1.00	0.00	O
ATOM	327	C5'	T A	11	-43.177	-27.533	85.434	1.00	0.00	C
ATOM	328	O5'	T A	11	-41.897	-27.944	84.891	1.00	0.00	O
ATOM	329	O1P	T A	11	-42.295	-27.959	82.406	1.00	0.00	O
ATOM	330	O2P	T A	11	-40.555	-29.464	83.406	1.00	0.00	O
ATOM	331	P	T A	11	-41.874	-28.798	83.544	1.00	0.00	P
ATOM	332	H3	T A	11	-38.957	-28.006	90.813	1.00	0.00	H
ATOM	333	H6	T A	11	-40.199	-28.109	86.155	1.00	0.00	H
ATOM	334	H1'	T A	11	-41.052	-25.090	88.124	1.00	0.00	H
ATOM	335	H3'	T A	11	-42.096	-25.312	84.340	1.00	0.00	H
ATOM	336	H4'	T A	11	-44.026	-25.715	86.107	1.00	0.00	H
ATOM	337	H71	T A	11	-38.009	-29.922	86.117	1.00	0.00	H
ATOM	338	H72	T A	11	-38.213	-30.999	87.520	1.00	0.00	H
ATOM	339	H73	T A	11	-39.567	-30.737	86.393	1.00	0.00	H
ATOM	340	H2'1	T A	11	-40.269	-26.365	85.487	1.00	0.00	H
ATOM	341	H2'2	T A	11	-40.058	-24.699	86.006	1.00	0.00	H
ATOM	342	H5'1	T A	11	-43.514	-28.259	86.173	1.00	0.00	H
ATOM	343	H5'2	T A	11	-43.912	-27.466	84.632	1.00	0.00	H
ATOM	344	C1'	A A	12	-38.820	-22.303	89.909	1.00	0.00	C
ATOM	345	N1	A A	12	-35.866	-26.117	91.661	1.00	0.00	N
ATOM	346	C2	A A	12	-36.412	-25.059	92.252	1.00	0.00	C
ATOM	347	N3	A A	12	-37.169	-24.112	91.739	1.00	0.00	N
ATOM	348	C4	A A	12	-37.358	-24.328	90.426	1.00	0.00	C
ATOM	349	C5	A A	12	-36.870	-25.358	89.673	1.00	0.00	C
ATOM	350	C6	A A	12	-36.075	-26.306	90.350	1.00	0.00	C
ATOM	351	N6	A A	12	-35.527	-27.372	89.740	1.00	0.00	N
ATOM	352	N7	A A	12	-37.276	-25.249	88.355	1.00	0.00	N
ATOM	353	C8	A A	12	-37.991	-24.163	88.336	1.00	0.00	C
ATOM	354	N9	A A	12	-38.087	-23.550	89.559	1.00	0.00	N
ATOM	355	C2'	A A	12	-38.759	-21.233	88.828	1.00	0.00	C
ATOM	356	C3'	A A	12	-40.136	-20.597	88.933	1.00	0.00	C
ATOM	357	O3'	A A	12	-40.117	-19.607	89.960	1.00	0.00	O
ATOM	358	C4'	A A	12	-41.032	-21.782	89.292	1.00	0.00	C
ATOM	359	O4'	A A	12	-40.178	-22.644	90.110	1.00	0.00	O
ATOM	360	C5'	A A	12	-41.567	-22.590	88.135	1.00	0.00	C
ATOM	361	O5'	A A	12	-40.566	-22.676	87.089	1.00	0.00	O
ATOM	362	O1P	A A	12	-41.600	-21.390	85.188	1.00	0.00	O
ATOM	363	O2P	A A	12	-39.944	-23.216	84.715	1.00	0.00	O
ATOM	364	P	A A	12	-41.045	-22.704	85.568	1.00	0.00	P
ATOM	365	H2	A A	12	-36.202	-24.962	93.317	1.00	0.00	H
ATOM	366	H8	A A	12	-38.469	-23.776	87.435	1.00	0.00	H
ATOM	367	H1'	A A	12	-38.424	-21.929	90.852	1.00	0.00	H
ATOM	368	H3'	A A	12	-40.448	-20.138	87.996	1.00	0.00	H
ATOM	369	H4'	A A	12	-41.883	-21.379	89.840	1.00	0.00	H
ATOM	370	H61	A A	12	-34.956	-28.037	90.280	1.00	0.00	H
ATOM	371	H62	A A	12	-35.681	-27.524	88.731	1.00	0.00	H
ATOM	372	H2'1	A A	12	-38.592	-21.653	87.837	1.00	0.00	H
ATOM	373	H2'2	A A	12	-37.970	-20.504	89.012	1.00	0.00	H
ATOM	374	H5'1	A A	12	-41.820	-23.591	88.484	1.00	0.00	H
ATOM	375	H5'2	A A	12	-42.464	-22.110	87.747	1.00	0.00	H
ATOM	376	C1'	G A	13	-35.355	-20.518	92.985	1.00	0.00	C
ATOM	377	N1	G A	13	-32.761	-24.687	91.599	1.00	0.00	N
ATOM	378	C2	G A	13	-32.913	-24.110	92.848	1.00	0.00	C

ATOM	379	N2	G A	13	-32.289	-24.723	93.861	1.00	0.00	N
ATOM	380	N3	G A	13	-33.631	-23.009	93.066	1.00	0.00	N
ATOM	381	C4	G A	13	-34.184	-22.517	91.927	1.00	0.00	C
ATOM	382	C5	G A	13	-34.083	-23.023	90.641	1.00	0.00	C
ATOM	383	C6	G A	13	-33.326	-24.193	90.408	1.00	0.00	C
ATOM	384	O6	G A	13	-33.121	-24.787	89.349	1.00	0.00	O
ATOM	385	N7	G A	13	-34.801	-22.221	89.750	1.00	0.00	N
ATOM	386	C8	G A	13	-35.304	-21.280	90.507	1.00	0.00	C
ATOM	387	N9	G A	13	-34.973	-21.392	91.841	1.00	0.00	N
ATOM	388	C2'	G A	13	-35.396	-19.036	92.637	1.00	0.00	C
ATOM	389	C3'	G A	13	-36.561	-18.544	93.479	1.00	0.00	C
ATOM	390	O3'	G A	13	-36.097	-18.254	94.796	1.00	0.00	O
ATOM	391	C4'	G A	13	-37.523	-19.730	93.456	1.00	0.00	C
ATOM	392	O4'	G A	13	-36.649	-20.902	93.409	1.00	0.00	O
ATOM	393	C5'	G A	13	-38.480	-19.794	92.288	1.00	0.00	C
ATOM	394	O5'	G A	13	-37.824	-19.315	91.088	1.00	0.00	O
ATOM	395	O1P	G A	13	-39.082	-17.206	90.536	1.00	0.00	O
ATOM	396	O2P	G A	13	-37.959	-18.511	88.711	1.00	0.00	O
ATOM	397	P	G A	13	-38.686	-18.524	90.004	1.00	0.00	P
ATOM	398	H1	G A	13	-32.190	-25.543	91.538	1.00	0.00	H
ATOM	399	H8	G A	13	-35.931	-20.477	90.118	1.00	0.00	H
ATOM	400	H1'	G A	13	-34.663	-20.708	93.805	1.00	0.00	H
ATOM	401	H21	G A	13	-31.740	-25.577	93.684	1.00	0.00	H
ATOM	402	H3'	G A	13	-37.024	-17.652	93.056	1.00	0.00	H
ATOM	403	H22	G A	13	-32.362	-24.342	94.814	1.00	0.00	H
ATOM	404	H4'	G A	13	-38.114	-19.677	94.368	1.00	0.00	H
ATOM	405	H2'1	G A	13	-35.574	-18.866	91.576	1.00	0.00	H
ATOM	406	H2'2	G A	13	-34.470	-18.524	92.900	1.00	0.00	H
ATOM	407	H5'1	G A	13	-38.803	-20.825	92.147	1.00	0.00	H
ATOM	408	H5'2	G A	13	-39.350	-19.174	92.505	1.00	0.00	H
ATOM	409	C1'	G A	14	-30.972	-20.606	95.289	1.00	0.00	C
ATOM	410	N1	G A	14	-29.573	-23.469	91.306	1.00	0.00	N
ATOM	411	C2	G A	14	-29.295	-23.625	92.653	1.00	0.00	C
ATOM	412	N2	G A	14	-28.542	-24.682	92.982	1.00	0.00	N
ATOM	413	N3	G A	14	-29.734	-22.791	93.595	1.00	0.00	N
ATOM	414	C4	G A	14	-30.473	-21.775	93.081	1.00	0.00	C
ATOM	415	C5	G A	14	-30.797	-21.538	91.756	1.00	0.00	C
ATOM	416	C6	G A	14	-30.337	-22.423	90.756	1.00	0.00	C
ATOM	417	O6	G A	14	-30.517	-22.383	89.538	1.00	0.00	O
ATOM	418	N7	G A	14	-31.576	-20.383	91.650	1.00	0.00	N
ATOM	419	C8	G A	14	-31.698	-19.968	92.884	1.00	0.00	C
ATOM	420	N9	G A	14	-31.056	-20.761	93.811	1.00	0.00	N
ATOM	421	C2'	G A	14	-30.851	-19.159	95.748	1.00	0.00	C
ATOM	422	C3'	G A	14	-31.656	-19.165	97.037	1.00	0.00	C
ATOM	423	O3'	G A	14	-30.823	-19.606	98.107	1.00	0.00	O
ATOM	424	C4'	G A	14	-32.777	-20.157	96.732	1.00	0.00	C
ATOM	425	O4'	G A	14	-32.157	-21.142	95.846	1.00	0.00	O
ATOM	426	C5'	G A	14	-34.002	-19.595	96.049	1.00	0.00	C
ATOM	427	O5'	G A	14	-33.609	-18.568	95.104	1.00	0.00	O
ATOM	428	O1P	G A	14	-34.592	-16.469	96.083	1.00	0.00	O
ATOM	429	O2P	G A	14	-34.221	-16.645	93.608	1.00	0.00	O
ATOM	430	P	G A	14	-34.578	-17.322	94.879	1.00	0.00	P
ATOM	431	H1	G A	14	-29.191	-24.175	90.658	1.00	0.00	H
ATOM	432	H8	G A	14	-32.259	-19.074	93.156	1.00	0.00	H

ATOM	433	H1'	G A	14	-30.133	-21.201	95.648	1.00	0.00	H
ATOM	434	H21	G A	14	-28.210	-25.324	92.248	1.00	0.00	H
ATOM	435	H3'	G A	14	-32.056	-18.179	97.274	1.00	0.00	H
ATOM	436	H22	G A	14	-28.298	-24.852	93.968	1.00	0.00	H
ATOM	437	H4'	G A	14	-33.093	-20.581	97.685	1.00	0.00	H
ATOM	438	H2'1	G A	14	-31.268	-18.459	95.024	1.00	0.00	H
ATOM	439	H2'2	G A	14	-29.815	-18.867	95.927	1.00	0.00	H
ATOM	440	H5'1	G A	14	-34.520	-20.398	95.526	1.00	0.00	H
ATOM	441	H5'2	G A	14	-34.667	-19.169	96.800	1.00	0.00	H
ATOM	442	C1'	A A	15	-26.224	-21.913	95.783	1.00	0.00	C
ATOM	443	N1	A A	15	-26.402	-22.327	90.671	1.00	0.00	N
ATOM	444	C2	A A	15	-25.857	-23.089	91.617	1.00	0.00	C
ATOM	445	N3	A A	15	-25.851	-22.924	92.923	1.00	0.00	N
ATOM	446	C4	A A	15	-26.508	-21.796	93.252	1.00	0.00	C
ATOM	447	C5	A A	15	-27.117	-20.910	92.409	1.00	0.00	C
ATOM	448	C6	A A	15	-27.050	-21.208	91.032	1.00	0.00	C
ATOM	449	N6	A A	15	-27.604	-20.430	90.086	1.00	0.00	N
ATOM	450	N7	A A	15	-27.693	-19.868	93.112	1.00	0.00	N
ATOM	451	C8	A A	15	-27.419	-20.138	94.354	1.00	0.00	C
ATOM	452	N9	A A	15	-26.703	-21.298	94.517	1.00	0.00	N
ATOM	453	C2'	A A	15	-25.756	-20.900	96.820	1.00	0.00	C
ATOM	454	C3'	A A	15	-26.196	-21.551	98.123	1.00	0.00	C
ATOM	455	O3'	A A	15	-25.202	-22.483	98.538	1.00	0.00	O
ATOM	456	C4'	A A	15	-27.504	-22.239	97.733	1.00	0.00	C
ATOM	457	O4'	A A	15	-27.299	-22.645	96.341	1.00	0.00	O
ATOM	458	C5'	A A	15	-28.754	-21.395	97.810	1.00	0.00	C
ATOM	459	O5'	A A	15	-28.454	-20.035	97.407	1.00	0.00	O
ATOM	460	O1P	A A	15	-28.801	-18.711	99.520	1.00	0.00	O
ATOM	461	O2P	A A	15	-29.106	-17.610	97.285	1.00	0.00	O
ATOM	462	P	A A	15	-29.232	-18.834	98.113	1.00	0.00	P
ATOM	463	H2	A A	15	-25.341	-23.978	91.256	1.00	0.00	H
ATOM	464	H8	A A	15	-27.728	-19.508	95.187	1.00	0.00	H
ATOM	465	H1'	A A	15	-25.430	-22.618	95.540	1.00	0.00	H
ATOM	466	H3'	A A	15	-26.357	-20.817	98.912	1.00	0.00	H
ATOM	467	H4'	A A	15	-27.630	-23.083	98.409	1.00	0.00	H
ATOM	468	H61	A A	15	-27.528	-20.695	89.094	1.00	0.00	H
ATOM	469	H62	A A	15	-28.101	-19.569	90.355	1.00	0.00	H
ATOM	470	H2'1	A A	15	-26.225	-19.925	96.685	1.00	0.00	H
ATOM	471	H2'2	A A	15	-24.676	-20.751	96.796	1.00	0.00	H
ATOM	472	H5'1	A A	15	-29.512	-21.816	97.149	1.00	0.00	H
ATOM	473	H5'2	A A	15	-29.128	-21.401	98.833	1.00	0.00	H
ATOM	474	C1'	C A	16	-21.805	-23.336	94.021	1.00	0.00	C
ATOM	475	N1	C A	16	-22.488	-22.138	93.462	1.00	0.00	N
ATOM	476	C2	C A	16	-22.639	-22.059	92.080	1.00	0.00	C
ATOM	477	O2	C A	16	-22.203	-22.980	91.378	1.00	0.00	O
ATOM	478	N3	C A	16	-23.259	-20.976	91.550	1.00	0.00	N
ATOM	479	C4	C A	16	-23.722	-19.995	92.335	1.00	0.00	C
ATOM	480	N4	C A	16	-24.323	-18.961	91.763	1.00	0.00	N
ATOM	481	C5	C A	16	-23.577	-20.046	93.760	1.00	0.00	C
ATOM	482	C6	C A	16	-22.953	-21.149	94.273	1.00	0.00	C
ATOM	483	C2'	C A	16	-20.907	-23.029	95.211	1.00	0.00	C
ATOM	484	C3'	C A	16	-21.093	-24.267	96.076	1.00	0.00	C
ATOM	485	O3'	C A	16	-20.203	-25.288	95.630	1.00	0.00	O
ATOM	486	C4'	C A	16	-22.557	-24.631	95.838	1.00	0.00	C

ATOM	487	O4'	C	A	16	-22.805	-24.241	94.450	1.00	0.00	O
ATOM	488	C5'	C	A	16	-23.571	-23.942	96.721	1.00	0.00	C
ATOM	489	O5'	C	A	16	-23.152	-22.578	96.979	1.00	0.00	O
ATOM	490	O1P	C	A	16	-22.684	-22.569	99.452	1.00	0.00	O
ATOM	491	O2P	C	A	16	-23.373	-20.450	98.298	1.00	0.00	O
ATOM	492	P	C	A	16	-23.489	-21.927	98.395	1.00	0.00	P
ATOM	493	H5	C	A	16	-23.945	-19.246	94.403	1.00	0.00	H
ATOM	494	H6	C	A	16	-22.825	-21.237	95.352	1.00	0.00	H
ATOM	495	H1'	C	A	16	-21.241	-23.813	93.220	1.00	0.00	H
ATOM	496	H3'	C	A	16	-20.905	-24.059	97.131	1.00	0.00	H
ATOM	497	H4'	C	A	16	-22.646	-25.703	96.004	1.00	0.00	H
ATOM	498	H41	C	A	16	-24.689	-18.193	92.345	1.00	0.00	H
ATOM	499	H42	C	A	16	-24.423	-18.925	90.739	1.00	0.00	H
ATOM	500	H2'1	C	A	16	-21.212	-22.127	95.740	1.00	0.00	H
ATOM	501	H2'2	C	A	16	-19.863	-22.901	94.921	1.00	0.00	H
ATOM	502	H5'1	C	A	16	-24.539	-23.942	96.221	1.00	0.00	H
ATOM	503	H5'2	C	A	16	-23.653	-24.485	97.663	1.00	0.00	H
ATOM	504	C1'	G	A	17	-18.299	-23.680	90.542	1.00	0.00	C
ATOM	505	N1	G	A	17	-20.511	-19.470	88.697	1.00	0.00	N
ATOM	506	C2	G	A	17	-20.043	-20.591	88.034	1.00	0.00	C
ATOM	507	N2	G	A	17	-20.182	-20.588	86.702	1.00	0.00	N
ATOM	508	N3	G	A	17	-19.484	-21.630	88.650	1.00	0.00	N
ATOM	509	C4	G	A	17	-19.418	-21.459	89.996	1.00	0.00	C
ATOM	510	C5	G	A	17	-19.854	-20.376	90.743	1.00	0.00	C
ATOM	511	C6	G	A	17	-20.452	-19.274	90.091	1.00	0.00	C
ATOM	512	O6	G	A	17	-20.896	-18.232	90.574	1.00	0.00	O
ATOM	513	N7	G	A	17	-19.600	-20.592	92.099	1.00	0.00	N
ATOM	514	C8	G	A	17	-19.037	-21.772	92.132	1.00	0.00	C
ATOM	515	N9	G	A	17	-18.890	-22.362	90.893	1.00	0.00	N
ATOM	516	C2'	G	A	17	-17.085	-24.053	91.382	1.00	0.00	C
ATOM	517	C3'	G	A	17	-17.247	-25.556	91.527	1.00	0.00	C
ATOM	518	O3'	G	A	17	-16.690	-26.201	90.382	1.00	0.00	O
ATOM	519	C4'	G	A	17	-18.764	-25.728	91.606	1.00	0.00	C
ATOM	520	O4'	G	A	17	-19.292	-24.668	90.750	1.00	0.00	O
ATOM	521	C5'	G	A	17	-19.382	-25.597	92.978	1.00	0.00	C
ATOM	522	O5'	G	A	17	-18.687	-24.573	93.733	1.00	0.00	O
ATOM	523	O1P	G	A	17	-17.600	-25.867	95.599	1.00	0.00	O
ATOM	524	O2P	G	A	17	-18.194	-23.451	95.927	1.00	0.00	O
ATOM	525	P	G	A	17	-18.530	-24.758	95.310	1.00	0.00	P
ATOM	526	H1	G	A	17	-20.934	-18.723	88.126	1.00	0.00	H
ATOM	527	H8	G	A	17	-18.709	-22.246	93.057	1.00	0.00	H
ATOM	528	H1'	G	A	17	-18.051	-23.672	89.480	1.00	0.00	H
ATOM	529	H21	G	A	17	-20.620	-19.783	86.233	1.00	0.00	H
ATOM	530	H3'	G	A	17	-16.761	-25.935	92.427	1.00	0.00	H
ATOM	531	H22	G	A	17	-19.852	-21.392	86.150	1.00	0.00	H
ATOM	532	H4'	G	A	17	-18.988	-26.728	91.234	1.00	0.00	H
ATOM	533	H2'1	G	A	17	-17.086	-23.557	92.353	1.00	0.00	H
ATOM	534	H2'2	G	A	17	-16.146	-23.800	90.887	1.00	0.00	H
ATOM	535	H5'1	G	A	17	-20.432	-25.325	92.871	1.00	0.00	H
ATOM	536	H5'2	G	A	17	-19.310	-26.552	93.496	1.00	0.00	H
ATOM	537	C1'	G	A	18	-15.931	-22.200	86.453	1.00	0.00	C
ATOM	538	N1	G	A	18	-17.801	-17.623	87.710	1.00	0.00	N
ATOM	539	C2	G	A	18	-17.719	-18.240	86.474	1.00	0.00	C
ATOM	540	N2	G	A	18	-18.198	-17.543	85.434	1.00	0.00	N

ATOM	541	N3	G A	18	-17.202	-19.452	86.291	1.00	0.00	N
ATOM	542	C4	G A	18	-16.761	-20.008	87.450	1.00	0.00	C
ATOM	543	C5	G A	18	-16.797	-19.467	88.725	1.00	0.00	C
ATOM	544	C6	G A	18	-17.350	-18.180	88.921	1.00	0.00	C
ATOM	545	O6	G A	18	-17.469	-17.538	89.965	1.00	0.00	O
ATOM	546	N7	G A	18	-16.240	-20.358	89.643	1.00	0.00	N
ATOM	547	C8	G A	18	-15.895	-21.388	88.914	1.00	0.00	C
ATOM	548	N9	G A	18	-16.178	-21.249	87.572	1.00	0.00	N
ATOM	549	C2'	G A	18	-14.620	-22.965	86.575	1.00	0.00	C
ATOM	550	C3'	G A	18	-14.992	-24.324	86.004	1.00	0.00	C
ATOM	551	O3'	G A	18	-14.870	-24.284	84.584	1.00	0.00	O
ATOM	552	C4'	G A	18	-16.441	-24.498	86.454	1.00	0.00	C
ATOM	553	O4'	G A	18	-16.986	-23.140	86.443	1.00	0.00	O
ATOM	554	C5'	G A	18	-16.650	-25.092	87.828	1.00	0.00	C
ATOM	555	O5'	G A	18	-15.620	-24.618	88.729	1.00	0.00	O
ATOM	556	O1P	G A	18	-14.319	-26.704	89.275	1.00	0.00	O
ATOM	557	O2P	G A	18	-14.390	-24.806	90.913	1.00	0.00	O
ATOM	558	P	G A	18	-15.090	-25.598	89.872	1.00	0.00	P
ATOM	559	H1	G A	18	-18.225	-16.684	87.745	1.00	0.00	H
ATOM	560	H8	G A	18	-15.424	-22.279	89.331	1.00	0.00	H
ATOM	561	H1'	G A	18	-15.970	-21.642	85.516	1.00	0.00	H
ATOM	562	H21	G A	18	-18.599	-16.606	85.585	1.00	0.00	H
ATOM	563	H3'	G A	18	-14.359	-25.120	86.399	1.00	0.00	H
ATOM	564	H22	G A	18	-18.163	-17.945	84.488	1.00	0.00	H
ATOM	565	H4'	G A	18	-16.921	-25.155	85.730	1.00	0.00	H
ATOM	566	H2'1	G A	18	-14.286	-23.048	87.609	1.00	0.00	H
ATOM	567	H2'2	G A	18	-13.815	-22.501	86.007	1.00	0.00	H
ATOM	568	H5'1	G A	18	-17.630	-24.796	88.200	1.00	0.00	H
ATOM	569	H5'2	G A	18	-16.608	-26.178	87.757	1.00	0.00	H
ATOM	570	C1'	T A	19	-14.487	-18.849	83.107	1.00	0.00	C
ATOM	571	N1	T A	19	-14.282	-18.591	84.557	1.00	0.00	N
ATOM	572	C2	T A	19	-14.736	-17.386	85.054	1.00	0.00	C
ATOM	573	O2	T A	19	-15.284	-16.550	84.356	1.00	0.00	O
ATOM	574	N3	T A	19	-14.525	-17.189	86.406	1.00	0.00	N
ATOM	575	C4	T A	19	-13.916	-18.064	87.279	1.00	0.00	C
ATOM	576	O4	T A	19	-13.781	-17.775	88.474	1.00	0.00	O
ATOM	577	C5	T A	19	-13.475	-19.296	86.670	1.00	0.00	C
ATOM	578	C6	T A	19	-13.664	-19.523	85.354	1.00	0.00	C
ATOM	579	C7	T A	19	-12.808	-20.281	87.583	1.00	0.00	C
ATOM	580	C2'	T A	19	-13.329	-19.586	82.444	1.00	0.00	C
ATOM	581	C3'	T A	19	-14.050	-20.466	81.435	1.00	0.00	C
ATOM	582	O3'	T A	19	-14.293	-19.717	80.248	1.00	0.00	O
ATOM	583	C4'	T A	19	-15.342	-20.829	82.164	1.00	0.00	C
ATOM	584	O4'	T A	19	-15.647	-19.647	82.969	1.00	0.00	O
ATOM	585	C5'	T A	19	-15.285	-22.033	83.074	1.00	0.00	C
ATOM	586	O5'	T A	19	-13.995	-22.090	83.731	1.00	0.00	O
ATOM	587	O1P	T A	19	-12.952	-24.178	82.787	1.00	0.00	O
ATOM	588	O2P	T A	19	-12.293	-23.366	85.068	1.00	0.00	O
ATOM	589	P	T A	19	-13.355	-23.517	84.045	1.00	0.00	P
ATOM	590	H3	T A	19	-14.859	-16.298	86.801	1.00	0.00	H
ATOM	591	H6	T A	19	-13.323	-20.462	84.916	1.00	0.00	H
ATOM	592	H1'	T A	19	-14.675	-17.895	82.614	1.00	0.00	H
ATOM	593	H3'	T A	19	-13.473	-21.358	81.188	1.00	0.00	H
ATOM	594	H4'	T A	19	-16.093	-21.028	81.396	1.00	0.00	H

ATOM	595	H71	T A	19	-11.764	-20.396	87.294	1.00	0.00	H
ATOM	596	H72	T A	19	-12.861	-19.917	88.610	1.00	0.00	H
ATOM	597	H73	T A	19	-13.313	-21.245	87.514	1.00	0.00	H
ATOM	598	H2'1	T A	19	-12.759	-20.182	83.155	1.00	0.00	H
ATOM	599	H2'2	T A	19	-12.633	-18.906	81.953	1.00	0.00	H
ATOM	600	H5'1	T A	19	-16.076	-21.957	83.820	1.00	0.00	H
ATOM	601	H5'2	T A	19	-15.438	-22.936	82.483	1.00	0.00	H
ATOM	602	C01	LNK A	20	-12.079	-18.976	77.349	0.00	0.00	C
ATOM	603	O1	LNK A	20	-12.313	-19.548	78.637	1.00	0.00	O
ATOM	604	S	LNK A	20	-9.073	-18.464	74.789	0.00	0.00	S
ATOM	605	C02	LNK A	20	-10.599	-19.167	76.965	0.00	0.00	C
ATOM	606	C03	LNK A	20	-10.105	-17.930	76.190	0.00	0.00	C
ATOM	607	O1P	LNK A	20	-12.035	-18.535	80.925	1.00	0.00	O
ATOM	608	O2P	LNK A	20	-13.404	-17.352	79.185	1.00	0.00	O
ATOM	609	P	LNK A	20	-12.958	-18.637	79.777	1.00	0.00	P
ATOM	610	H01	LNK A	20	-12.311	-17.910	77.374	0.00	0.00	H
ATOM	611	H02	LNK A	20	-12.711	-19.467	76.610	0.00	0.00	H
ATOM	612	H03	LNK A	20	-9.516	-17.298	76.854	0.00	0.00	H
ATOM	613	H04	LNK A	20	-10.499	-20.053	76.337	0.00	0.00	H
ATOM	614	H05	LNK A	20	-10.003	-19.292	77.868	0.00	0.00	H
ATOM	615	H06	LNK A	20	-10.961	-17.368	75.817	0.00	0.00	H
ATOM	616	AU	LNK A	20	-8.771	-17.918	74.505			
TER										
ATOM	618	C1'	A B	2	-17.338	-10.046	88.875	1.00	0.00	C
ATOM	619	N1	A B	2	-15.468	-14.640	87.555	1.00	0.00	N
ATOM	620	C2	A B	2	-16.080	-13.687	86.860	1.00	0.00	C
ATOM	621	N3	A B	2	-16.535	-12.519	87.263	1.00	0.00	N
ATOM	622	C4	A B	2	-16.309	-12.361	88.581	1.00	0.00	C
ATOM	623	C5	A B	2	-15.699	-13.240	89.431	1.00	0.00	C
ATOM	624	C6	A B	2	-15.256	-14.454	88.867	1.00	0.00	C
ATOM	625	N6	A B	2	-14.638	-15.412	89.579	1.00	0.00	N
ATOM	626	N7	A B	2	-15.643	-12.733	90.717	1.00	0.00	N
ATOM	627	C8	A B	2	-16.220	-11.571	90.621	1.00	0.00	C
ATOM	628	N9	A B	2	-16.647	-11.276	89.352	1.00	0.00	N
ATOM	629	C2'	A B	2	-18.337	-9.478	89.874	1.00	0.00	C
ATOM	630	C3'	A B	2	-18.185	-7.981	89.658	1.00	0.00	C
ATOM	631	O3'	A B	2	-19.003	-7.582	88.561	1.00	0.00	O
ATOM	632	C4'	A B	2	-16.695	-7.832	89.351	1.00	0.00	C
ATOM	633	O4'	A B	2	-16.348	-9.064	88.638	1.00	0.00	O
ATOM	634	C5'	A B	2	-15.776	-7.684	90.540	1.00	0.00	C
ATOM	635	O5'	A B	2	-16.253	-8.509	91.633	1.00	0.00	O
ATOM	636	H2	A B	2	-16.226	-13.901	85.803	1.00	0.00	H
ATOM	637	H8	A B	2	-16.350	-10.896	91.467	1.00	0.00	H
ATOM	638	H1'	A B	2	-17.822	-10.274	87.925	1.00	0.00	H
ATOM	639	H3'	A B	2	-18.463	-7.409	90.543	1.00	0.00	H
ATOM	640	H4'	A B	2	-16.588	-6.939	88.734	1.00	0.00	H
ATOM	641	H61	A B	2	-14.331	-16.279	89.117	1.00	0.00	H
ATOM	642	H62	A B	2	-14.472	-15.277	90.587	1.00	0.00	H
ATOM	643	H2'1	A B	2	-18.100	-9.756	90.901	1.00	0.00	H
ATOM	644	H2'2	A B	2	-19.357	-9.807	89.671	1.00	0.00	H
ATOM	645	H5'1	A B	2	-14.772	-7.996	90.255	1.00	0.00	H
ATOM	646	H5'2	A B	2	-15.755	-6.640	90.847	1.00	0.00	H
ATOM	647	C1'	C B	3	-20.494	-12.370	85.827	1.00	0.00	C
ATOM	648	N1	C B	3	-19.980	-13.053	87.046	1.00	0.00	N

ATOM	649	C2	C B	3	-19.430	-14.324	86.899	1.00	0.00	C
ATOM	650	O2	C B	3	-19.388	-14.829	85.769	1.00	0.00	O
ATOM	651	N3	C B	3	-18.956	-14.963	87.995	1.00	0.00	N
ATOM	652	C4	C B	3	-19.016	-14.391	89.206	1.00	0.00	C
ATOM	653	N4	C B	3	-18.536	-15.060	90.245	1.00	0.00	N
ATOM	654	C5	C B	3	-19.582	-13.086	89.390	1.00	0.00	C
ATOM	655	C6	C B	3	-20.049	-12.459	88.268	1.00	0.00	C
ATOM	656	C2'	C B	3	-21.766	-11.567	86.063	1.00	0.00	C
ATOM	657	C3'	C B	3	-21.566	-10.376	85.137	1.00	0.00	C
ATOM	658	O3'	C B	3	-21.994	-10.729	83.824	1.00	0.00	O
ATOM	659	C4'	C B	3	-20.059	-10.141	85.209	1.00	0.00	C
ATOM	660	O4'	C B	3	-19.490	-11.479	85.380	1.00	0.00	O
ATOM	661	C5'	C B	3	-19.570	-9.261	86.336	1.00	0.00	C
ATOM	662	O5'	C B	3	-20.366	-9.499	87.524	1.00	0.00	O
ATOM	663	O1P	C B	3	-21.571	-7.317	87.866	1.00	0.00	O
ATOM	664	O2P	C B	3	-21.091	-8.805	89.828	1.00	0.00	O
ATOM	665	P	C B	3	-20.657	-8.281	88.509	1.00	0.00	P
ATOM	666	H5	C B	3	-19.639	-12.618	90.372	1.00	0.00	H
ATOM	667	H6	C B	3	-20.481	-11.462	88.356	1.00	0.00	H
ATOM	668	H1'	C B	3	-20.645	-13.122	85.052	1.00	0.00	H
ATOM	669	H3'	C B	3	-22.118	-9.500	85.475	1.00	0.00	H
ATOM	670	H4'	C B	3	-19.767	-9.669	84.271	1.00	0.00	H
ATOM	671	H41	C B	3	-18.565	-14.640	91.186	1.00	0.00	H
ATOM	672	H42	C B	3	-18.130	-15.998	90.111	1.00	0.00	H
ATOM	673	H2'1	C B	3	-21.869	-11.249	87.099	1.00	0.00	H
ATOM	674	H2'2	C B	3	-22.664	-12.128	85.801	1.00	0.00	H
ATOM	675	H5'1	C B	3	-18.524	-9.489	86.542	1.00	0.00	H
ATOM	676	H5'2	C B	3	-19.656	-8.218	86.038	1.00	0.00	H
ATOM	677	C1'	C B	4	-22.537	-16.365	83.732	1.00	0.00	C
ATOM	678	N1	C B	4	-22.421	-16.262	85.213	1.00	0.00	N
ATOM	679	C2	C B	4	-21.839	-17.327	85.897	1.00	0.00	C
ATOM	680	O2	C B	4	-21.443	-18.308	85.253	1.00	0.00	O
ATOM	681	N3	C B	4	-21.724	-17.254	87.245	1.00	0.00	N
ATOM	682	C4	C B	4	-22.161	-16.179	87.916	1.00	0.00	C
ATOM	683	N4	C B	4	-22.020	-16.158	89.233	1.00	0.00	N
ATOM	684	C5	C B	4	-22.768	-15.071	87.239	1.00	0.00	C
ATOM	685	C6	C B	4	-22.869	-15.165	85.880	1.00	0.00	C
ATOM	686	C2'	C B	4	-23.828	-15.779	83.176	1.00	0.00	C
ATOM	687	C3'	C B	4	-23.361	-15.184	81.856	1.00	0.00	C
ATOM	688	O3'	C B	4	-23.358	-16.202	80.858	1.00	0.00	O
ATOM	689	C4'	C B	4	-21.953	-14.692	82.183	1.00	0.00	C
ATOM	690	O4'	C B	4	-21.453	-15.655	83.165	1.00	0.00	O
ATOM	691	C5'	C B	4	-21.845	-13.303	82.771	1.00	0.00	C
ATOM	692	O5'	C B	4	-22.970	-13.058	83.655	1.00	0.00	O
ATOM	693	O1P	C B	4	-24.242	-11.229	82.482	1.00	0.00	O
ATOM	694	O2P	C B	4	-24.380	-11.454	84.978	1.00	0.00	O
ATOM	695	P	C B	4	-23.564	-11.581	83.745	1.00	0.00	P
ATOM	696	H5	C B	4	-23.132	-14.198	87.781	1.00	0.00	H
ATOM	697	H6	C B	4	-23.317	-14.345	85.320	1.00	0.00	H
ATOM	698	H1'	C B	4	-22.433	-17.414	83.454	1.00	0.00	H
ATOM	699	H3'	C B	4	-23.999	-14.362	81.531	1.00	0.00	H
ATOM	700	H4'	C B	4	-21.388	-14.703	81.251	1.00	0.00	H
ATOM	701	H41	C B	4	-22.345	-15.343	89.774	1.00	0.00	H
ATOM	702	H42	C B	4	-21.585	-16.957	89.719	1.00	0.00	H

ATOM	703	H2'1	C B	4	-24.249	-15.015	83.828	1.00	0.00	H
ATOM	704	H2'2	C B	4	-24.594	-16.539	83.020	1.00	0.00	H
ATOM	705	H5'1	C B	4	-20.913	-13.222	83.329	1.00	0.00	H
ATOM	706	H5'2	C B	4	-21.846	-12.574	81.962	1.00	0.00	H
ATOM	707	C1'	G B	5	-23.790	-21.154	83.576	1.00	0.00	C
ATOM	708	N1	G B	5	-23.582	-20.790	88.660	1.00	0.00	N
ATOM	709	C2	G B	5	-23.122	-21.791	87.821	1.00	0.00	C
ATOM	710	N2	G B	5	-22.529	-22.833	88.417	1.00	0.00	N
ATOM	711	N3	G B	5	-23.243	-21.752	86.496	1.00	0.00	N
ATOM	712	C4	G B	5	-23.874	-20.627	86.066	1.00	0.00	C
ATOM	713	C5	G B	5	-24.369	-19.583	86.829	1.00	0.00	C
ATOM	714	C6	G B	5	-24.238	-19.620	88.235	1.00	0.00	C
ATOM	715	O6	G B	5	-24.610	-18.797	89.071	1.00	0.00	O
ATOM	716	N7	G B	5	-24.949	-18.617	86.002	1.00	0.00	N
ATOM	717	C8	G B	5	-24.789	-19.095	84.794	1.00	0.00	C
ATOM	718	N9	G B	5	-24.144	-20.314	84.753	1.00	0.00	N
ATOM	719	C2'	G B	5	-24.845	-21.145	82.477	1.00	0.00	C
ATOM	720	C3'	G B	5	-23.994	-21.214	81.220	1.00	0.00	C
ATOM	721	O3'	G B	5	-23.674	-22.575	80.943	1.00	0.00	O
ATOM	722	C4'	G B	5	-22.762	-20.395	81.599	1.00	0.00	C
ATOM	723	O4'	G B	5	-22.588	-20.647	83.030	1.00	0.00	O
ATOM	724	C5'	G B	5	-22.852	-18.904	81.378	1.00	0.00	C
ATOM	725	O5'	G B	5	-24.195	-18.445	81.670	1.00	0.00	O
ATOM	726	O1P	G B	5	-25.050	-17.679	79.430	1.00	0.00	O
ATOM	727	O2P	G B	5	-25.957	-16.659	81.534	1.00	0.00	O
ATOM	728	P	G B	5	-24.798	-17.239	80.816	1.00	0.00	P
ATOM	729	H1	G B	5	-23.432	-20.913	89.674	1.00	0.00	H
ATOM	730	H8	G B	5	-25.134	-18.577	83.900	1.00	0.00	H
ATOM	731	H1'	G B	5	-23.599	-22.168	83.925	1.00	0.00	H
ATOM	732	H21	G B	5	-22.436	-22.854	89.442	1.00	0.00	H
ATOM	733	H3'	G B	5	-24.503	-20.781	80.358	1.00	0.00	H
ATOM	734	H22	G B	5	-22.167	-23.612	87.849	1.00	0.00	H
ATOM	735	H4'	G B	5	-21.934	-20.771	80.997	1.00	0.00	H
ATOM	736	H2'1	G B	5	-25.455	-20.242	82.496	1.00	0.00	H
ATOM	737	H2'2	G B	5	-25.521	-21.998	82.547	1.00	0.00	H
ATOM	738	H5'1	G B	5	-22.140	-18.402	82.033	1.00	0.00	H
ATOM	739	H5'2	G B	5	-22.604	-18.680	80.340	1.00	0.00	H
ATOM	740	C1'	T B	6	-24.884	-25.542	85.589	1.00	0.00	C
ATOM	741	N1	T B	6	-25.588	-24.313	86.046	1.00	0.00	N
ATOM	742	C2	T B	6	-25.620	-24.074	87.404	1.00	0.00	C
ATOM	743	O2	T B	6	-25.105	-24.821	88.219	1.00	0.00	O
ATOM	744	N3	T B	6	-26.283	-22.920	87.783	1.00	0.00	N
ATOM	745	C4	T B	6	-26.900	-22.013	86.948	1.00	0.00	C
ATOM	746	O4	T B	6	-27.467	-21.015	87.405	1.00	0.00	O
ATOM	747	C5	T B	6	-26.811	-22.349	85.546	1.00	0.00	C
ATOM	748	C6	T B	6	-26.173	-23.463	85.139	1.00	0.00	C
ATOM	749	C7	T B	6	-27.467	-21.387	84.600	1.00	0.00	C
ATOM	750	C2'	T B	6	-25.561	-26.234	84.412	1.00	0.00	C
ATOM	751	C3'	T B	6	-24.369	-26.755	83.624	1.00	0.00	C
ATOM	752	O3'	T B	6	-23.961	-28.010	84.167	1.00	0.00	O
ATOM	753	C4'	T B	6	-23.319	-25.666	83.834	1.00	0.00	C
ATOM	754	O4'	T B	6	-23.582	-25.169	85.185	1.00	0.00	O
ATOM	755	C5'	T B	6	-23.359	-24.500	82.874	1.00	0.00	C
ATOM	756	O5'	T B	6	-24.735	-24.185	82.543	1.00	0.00	O



ATOM	757	O1P	T B	6	-24.886	-24.739	80.093	1.00	0.00	O
ATOM	758	O2P	T B	6	-26.400	-22.999	81.083	1.00	0.00	O
ATOM	759	P	T B	6	-25.069	-23.654	81.077	1.00	0.00	P
ATOM	760	H3	T B	6	-26.319	-22.717	88.794	1.00	0.00	H
ATOM	761	H6	T B	6	-26.121	-23.694	84.075	1.00	0.00	H
ATOM	762	H1'	T B	6	-24.792	-26.218	86.438	1.00	0.00	H
ATOM	763	H3'	T B	6	-24.601	-26.880	82.567	1.00	0.00	H
ATOM	764	H4'	T B	6	-22.343	-26.144	83.737	1.00	0.00	H
ATOM	765	H71	T B	6	-28.306	-21.878	84.106	1.00	0.00	H
ATOM	766	H72	T B	6	-27.827	-20.519	85.153	1.00	0.00	H
ATOM	767	H73	T B	6	-26.744	-21.065	83.848	1.00	0.00	H
ATOM	768	H2'1	T B	6	-26.159	-25.547	83.817	1.00	0.00	H
ATOM	769	H2'2	T B	6	-26.212	-27.048	84.729	1.00	0.00	H
ATOM	770	H5'1	T B	6	-22.885	-23.636	83.339	1.00	0.00	H
ATOM	771	H5'2	T B	6	-22.814	-24.765	81.968	1.00	0.00	H
ATOM	772	C1'	C B	7	-26.519	-28.459	89.260	1.00	0.00	C
ATOM	773	N1	C B	7	-27.340	-27.308	88.787	1.00	0.00	N
ATOM	774	C2	C B	7	-27.816	-26.411	89.739	1.00	0.00	C
ATOM	775	O2	C B	7	-27.541	-26.603	90.932	1.00	0.00	O
ATOM	776	N3	C B	7	-28.564	-25.357	89.329	1.00	0.00	N
ATOM	777	C4	C B	7	-28.845	-25.177	88.033	1.00	0.00	C
ATOM	778	N4	C B	7	-29.577	-24.128	87.688	1.00	0.00	N
ATOM	779	C5	C B	7	-28.372	-26.086	87.030	1.00	0.00	C
ATOM	780	C6	C B	7	-27.616	-27.137	87.467	1.00	0.00	C
ATOM	781	C2'	C B	7	-26.784	-29.753	88.504	1.00	0.00	C
ATOM	782	C3'	C B	7	-25.401	-30.383	88.464	1.00	0.00	C
ATOM	783	O3'	C B	7	-25.178	-31.100	89.675	1.00	0.00	O
ATOM	784	C4'	C B	7	-24.479	-29.173	88.331	1.00	0.00	C
ATOM	785	O4'	C B	7	-25.157	-28.118	89.082	1.00	0.00	O
ATOM	786	C5'	C B	7	-24.221	-28.676	86.925	1.00	0.00	C
ATOM	787	O5'	C B	7	-25.424	-28.816	86.129	1.00	0.00	O
ATOM	788	O1P	C B	7	-24.788	-30.542	84.412	1.00	0.00	O
ATOM	789	O2P	C B	7	-26.549	-28.836	83.882	1.00	0.00	O
ATOM	790	P	C B	7	-25.281	-29.161	84.578	1.00	0.00	P
ATOM	791	H5	C B	7	-28.604	-25.946	85.975	1.00	0.00	H
ATOM	792	H6	C B	7	-27.228	-27.852	86.741	1.00	0.00	H
ATOM	793	H1'	C B	7	-26.697	-28.586	90.328	1.00	0.00	H
ATOM	794	H3'	C B	7	-25.286	-31.061	87.615	1.00	0.00	H
ATOM	795	H4'	C B	7	-23.519	-29.456	88.763	1.00	0.00	H
ATOM	796	H41	C B	7	-29.806	-23.963	86.696	1.00	0.00	H
ATOM	797	H42	C B	7	-29.918	-23.476	88.410	1.00	0.00	H
ATOM	798	H2'1	C B	7	-27.168	-29.575	87.500	1.00	0.00	H
ATOM	799	H2'2	C B	7	-27.498	-30.394	89.020	1.00	0.00	H
ATOM	800	H5'1	C B	7	-23.924	-27.627	86.966	1.00	0.00	H
ATOM	801	H5'2	C B	7	-23.416	-29.260	86.482	1.00	0.00	H
ATOM	802	C1'	C B	8	-29.176	-29.436	93.324	1.00	0.00	C
ATOM	803	N1	C B	8	-29.818	-28.826	92.129	1.00	0.00	N
ATOM	804	C2	C B	8	-30.577	-27.672	92.312	1.00	0.00	C
ATOM	805	O2	C B	8	-30.684	-27.203	93.453	1.00	0.00	O
ATOM	806	N3	C B	8	-31.170	-27.101	91.237	1.00	0.00	N
ATOM	807	C4	C B	8	-31.036	-27.632	90.014	1.00	0.00	C
ATOM	808	N4	C B	8	-31.637	-27.029	88.997	1.00	0.00	N
ATOM	809	C5	C B	8	-30.267	-28.822	89.794	1.00	0.00	C
ATOM	810	C6	C B	8	-29.674	-29.377	90.893	1.00	0.00	C

ATOM	811	C2'	C B	8	-29.180	-30.959	93.314	1.00	0.00	C
ATOM	812	C3'	C B	8	-27.846	-31.284	93.969	1.00	0.00	C
ATOM	813	O3'	C B	8	-28.003	-31.262	95.386	1.00	0.00	O
ATOM	814	C4'	C B	8	-26.941	-30.160	93.470	1.00	0.00	C
ATOM	815	O4'	C B	8	-27.829	-29.003	93.356	1.00	0.00	O
ATOM	816	C5'	C B	8	-26.264	-30.382	92.138	1.00	0.00	C
ATOM	817	O5'	C B	8	-27.159	-31.097	91.248	1.00	0.00	O
ATOM	818	O1P	C B	8	-26.005	-33.310	90.916	1.00	0.00	O
ATOM	819	O2P	C B	8	-27.531	-32.410	89.138	1.00	0.00	O
ATOM	820	P	C B	8	-26.539	-32.130	90.205	1.00	0.00	P
ATOM	821	H5	C B	8	-30.162	-29.261	88.802	1.00	0.00	H
ATOM	822	H6	C B	8	-29.073	-30.279	90.775	1.00	0.00	H
ATOM	823	H1'	C B	8	-29.675	-29.050	94.214	1.00	0.00	H
ATOM	824	H3'	C B	8	-27.468	-32.259	93.662	1.00	0.00	H
ATOM	825	H4'	C B	8	-26.160	-30.027	94.219	1.00	0.00	H
ATOM	826	H41	C B	8	-31.547	-27.415	88.045	1.00	0.00	H
ATOM	827	H42	C B	8	-32.190	-26.175	89.156	1.00	0.00	H
ATOM	828	H2'1	C B	8	-29.236	-31.366	92.305	1.00	0.00	H
ATOM	829	H2'2	C B	8	-30.014	-31.374	93.882	1.00	0.00	H
ATOM	830	H5'1	C B	8	-26.005	-29.418	91.702	1.00	0.00	H
ATOM	831	H5'2	C B	8	-25.356	-30.963	92.290	1.00	0.00	H
ATOM	832	C1'	T B	9	-32.940	-28.737	96.460	1.00	0.00	C
ATOM	833	N1	T B	9	-33.200	-28.894	95.004	1.00	0.00	N
ATOM	834	C2	T B	9	-33.986	-27.936	94.396	1.00	0.00	C
ATOM	835	O2	T B	9	-34.460	-26.992	95.003	1.00	0.00	O
ATOM	836	N3	T B	9	-34.200	-28.121	93.044	1.00	0.00	N
ATOM	837	C4	T B	9	-33.713	-29.151	92.268	1.00	0.00	C
ATOM	838	O4	T B	9	-33.976	-29.213	91.061	1.00	0.00	O
ATOM	839	C5	T B	9	-32.901	-30.102	92.990	1.00	0.00	C
ATOM	840	C6	T B	9	-32.671	-29.953	94.309	1.00	0.00	C
ATOM	841	C7	T B	9	-32.349	-31.239	92.183	1.00	0.00	C
ATOM	842	C2'	T B	9	-32.921	-30.054	97.227	1.00	0.00	C
ATOM	843	C3'	T B	9	-31.843	-29.798	98.271	1.00	0.00	C
ATOM	844	O3'	T B	9	-32.423	-29.124	99.385	1.00	0.00	O
ATOM	845	C4'	T B	9	-30.844	-28.921	97.518	1.00	0.00	C
ATOM	846	O4'	T B	9	-31.674	-28.127	96.611	1.00	0.00	O
ATOM	847	C5'	T B	9	-29.793	-29.642	96.708	1.00	0.00	C
ATOM	848	O5'	T B	9	-30.367	-30.834	96.113	1.00	0.00	O
ATOM	849	O1P	T B	9	-29.139	-32.707	97.259	1.00	0.00	O
ATOM	850	O2P	T B	9	-30.067	-33.041	94.951	1.00	0.00	O
ATOM	851	P	T B	9	-29.447	-32.124	95.937	1.00	0.00	P
ATOM	852	H3	T B	9	-34.780	-27.416	92.567	1.00	0.00	H
ATOM	853	H6	T B	9	-32.056	-30.686	94.833	1.00	0.00	H
ATOM	854	H1'	T B	9	-33.690	-28.059	96.870	1.00	0.00	H
ATOM	855	H3'	T B	9	-31.378	-30.723	98.609	1.00	0.00	H
ATOM	856	H4'	T B	9	-30.331	-28.315	98.267	1.00	0.00	H
ATOM	857	H71	T B	9	-32.790	-32.176	92.526	1.00	0.00	H
ATOM	858	H72	T B	9	-32.588	-31.089	91.130	1.00	0.00	H
ATOM	859	H73	T B	9	-31.267	-31.281	92.308	1.00	0.00	H
ATOM	860	H2'1	T B	9	-32.662	-30.898	96.589	1.00	0.00	H
ATOM	861	H2'2	T B	9	-33.881	-30.276	97.693	1.00	0.00	H
ATOM	862	H5'1	T B	9	-29.426	-28.979	95.925	1.00	0.00	H
ATOM	863	H5'2	T B	9	-28.967	-29.919	97.360	1.00	0.00	H
ATOM	864	C1'	A B	10	-37.512	-27.218	97.655	1.00	0.00	C

ATOM	865	N1	A B	10	-38.458	-27.967	92.667	1.00	0.00	N
ATOM	866	C2	A B	10	-38.805	-27.001	93.513	1.00	0.00	C
ATOM	867	N3	A B	10	-38.524	-26.867	94.790	1.00	0.00	N
ATOM	868	C4	A B	10	-37.781	-27.905	95.215	1.00	0.00	C
ATOM	869	C5	A B	10	-37.343	-28.973	94.479	1.00	0.00	C
ATOM	870	C6	A B	10	-37.716	-28.990	93.120	1.00	0.00	C
ATOM	871	N6	A B	10	-37.359	-29.973	92.275	1.00	0.00	N
ATOM	872	N7	A B	10	-36.599	-29.844	95.256	1.00	0.00	N
ATOM	873	C8	A B	10	-36.606	-29.294	96.435	1.00	0.00	C
ATOM	874	N9	A B	10	-37.301	-28.113	96.485	1.00	0.00	N
ATOM	875	C2'	A B	10	-37.715	-27.962	98.968	1.00	0.00	C
ATOM	876	C3'	A B	10	-37.022	-27.046	99.964	1.00	0.00	C
ATOM	877	O3'	A B	10	-37.928	-26.022	100.366	1.00	0.00	O
ATOM	878	C4'	A B	10	-35.848	-26.493	99.156	1.00	0.00	C
ATOM	879	O4'	A B	10	-36.361	-26.405	97.788	1.00	0.00	O
ATOM	880	C5'	A B	10	-34.588	-27.325	99.147	1.00	0.00	C
ATOM	881	O5'	A B	10	-34.931	-28.734	99.133	1.00	0.00	O
ATOM	882	O1P	A B	10	-34.098	-29.558	101.361	1.00	0.00	O
ATOM	883	O2P	A B	10	-34.255	-31.138	99.418	1.00	0.00	O
ATOM	884	P	A B	10	-33.986	-29.762	99.904	1.00	0.00	P
ATOM	885	H2	A B	10	-39.410	-26.203	93.083	1.00	0.00	H
ATOM	886	H8	A B	10	-36.107	-29.731	97.300	1.00	0.00	H
ATOM	887	H1'	A B	10	-38.360	-26.569	97.440	1.00	0.00	H
ATOM	888	H3'	A B	10	-36.673	-27.587	100.843	1.00	0.00	H
ATOM	889	H4'	A B	10	-35.602	-25.520	99.581	1.00	0.00	H
ATOM	890	H61	A B	10	-37.655	-29.936	91.290	1.00	0.00	H
ATOM	891	H62	A B	10	-36.790	-30.763	92.614	1.00	0.00	H
ATOM	892	H2'1	A B	10	-37.260	-28.952	98.958	1.00	0.00	H
ATOM	893	H2'2	A B	10	-38.770	-28.088	99.213	1.00	0.00	H
ATOM	894	H5'1	A B	10	-34.003	-27.080	98.260	1.00	0.00	H
ATOM	895	H5'2	A B	10	-34.003	-27.098	100.036	1.00	0.00	H
ATOM	896	C1'	G B	11	-42.242	-26.119	96.624	1.00	0.00	C
ATOM	897	N1	G B	11	-41.577	-29.370	92.750	1.00	0.00	N
ATOM	898	C2	G B	11	-42.219	-28.144	92.781	1.00	0.00	C
ATOM	899	N2	G B	11	-42.756	-27.732	91.626	1.00	0.00	N
ATOM	900	N3	G B	11	-42.315	-27.392	93.875	1.00	0.00	N
ATOM	901	C4	G B	11	-41.721	-27.969	94.953	1.00	0.00	C
ATOM	902	C5	G B	11	-41.064	-29.185	95.017	1.00	0.00	C
ATOM	903	C6	G B	11	-40.957	-29.984	93.855	1.00	0.00	C
ATOM	904	O6	G B	11	-40.419	-31.082	93.714	1.00	0.00	O
ATOM	905	N7	G B	11	-40.596	-29.413	96.313	1.00	0.00	N
ATOM	906	C8	G B	11	-40.973	-28.351	96.977	1.00	0.00	C
ATOM	907	N9	G B	11	-41.664	-27.429	96.219	1.00	0.00	N
ATOM	908	C2'	G B	11	-42.849	-26.123	98.021	1.00	0.00	C
ATOM	909	C3'	G B	11	-42.515	-24.726	98.516	1.00	0.00	C
ATOM	910	O3'	G B	11	-43.509	-23.815	98.054	1.00	0.00	O
ATOM	911	C4'	G B	11	-41.149	-24.459	97.886	1.00	0.00	C
ATOM	912	O4'	G B	11	-41.201	-25.162	96.604	1.00	0.00	O
ATOM	913	C5'	G B	11	-39.947	-24.948	98.658	1.00	0.00	C
ATOM	914	O5'	G B	11	-40.259	-26.207	99.307	1.00	0.00	O
ATOM	915	O1P	G B	11	-40.174	-25.637	101.757	1.00	0.00	O
ATOM	916	O2P	G B	11	-39.693	-27.978	100.995	1.00	0.00	O
ATOM	917	P	G B	11	-39.602	-26.523	100.726	1.00	0.00	P
ATOM	918	H1	G B	11	-41.553	-29.871	91.849	1.00	0.00	H

ATOM	919	H8	G B	11	-40.761	-28.209	98.036	1.00	0.00	H
ATOM	920	H1'	G B	11	-42.980	-25.826	95.877	1.00	0.00	H
ATOM	921	H21	G B	11	-42.674	-28.317	90.782	1.00	0.00	H
ATOM	922	H3'	G B	11	-42.461	-24.679	99.605	1.00	0.00	H
ATOM	923	H22	G B	11	-43.250	-26.829	91.582	1.00	0.00	H
ATOM	924	H4'	G B	11	-41.057	-23.378	97.776	1.00	0.00	H
ATOM	925	H2'1	G B	11	-42.408	-26.888	98.661	1.00	0.00	H
ATOM	926	H2'2	G B	11	-43.926	-26.290	98.003	1.00	0.00	H
ATOM	927	H5'1	G B	11	-39.112	-25.085	97.971	1.00	0.00	H
ATOM	928	H5'2	G B	11	-39.676	-24.205	99.408	1.00	0.00	H
ATOM	929	C1'	G B	12	-46.429	-26.476	94.004	1.00	0.00	C
ATOM	930	N1	G B	12	-44.563	-31.048	92.717	1.00	0.00	N
ATOM	931	C2	G B	12	-45.195	-30.094	91.938	1.00	0.00	C
ATOM	932	N2	G B	12	-45.351	-30.400	90.643	1.00	0.00	N
ATOM	933	N3	G B	12	-45.633	-28.929	92.411	1.00	0.00	N
ATOM	934	C4	G B	12	-45.398	-28.792	93.742	1.00	0.00	C
ATOM	935	C5	G B	12	-44.781	-29.686	94.598	1.00	0.00	C
ATOM	936	C6	G B	12	-44.312	-30.922	94.096	1.00	0.00	C
ATOM	937	O6	G B	12	-43.745	-31.838	94.693	1.00	0.00	O
ATOM	938	N7	G B	12	-44.736	-29.165	95.893	1.00	0.00	N
ATOM	939	C8	G B	12	-45.311	-27.996	95.782	1.00	0.00	C
ATOM	940	N9	G B	12	-45.741	-27.697	94.507	1.00	0.00	N
ATOM	941	C2'	G B	12	-47.440	-25.896	94.984	1.00	0.00	C
ATOM	942	C3'	G B	12	-47.289	-24.402	94.748	1.00	0.00	C
ATOM	943	O3'	G B	12	-48.100	-24.019	93.638	1.00	0.00	O
ATOM	944	C4'	G B	12	-45.798	-24.253	94.452	1.00	0.00	C
ATOM	945	O4'	G B	12	-45.442	-25.493	93.762	1.00	0.00	O
ATOM	946	C5'	G B	12	-44.890	-24.088	95.648	1.00	0.00	C
ATOM	947	O5'	G B	12	-45.376	-24.897	96.748	1.00	0.00	O
ATOM	948	O1P	G B	12	-46.061	-23.190	98.466	1.00	0.00	O
ATOM	949	O2P	G B	12	-45.345	-25.482	99.191	1.00	0.00	O
ATOM	950	P	G B	12	-45.189	-24.357	98.238	1.00	0.00	P
ATOM	951	H1	G B	12	-44.255	-31.915	92.251	1.00	0.00	H
ATOM	952	H8	G B	12	-45.440	-27.315	96.625	1.00	0.00	H
ATOM	953	H1'	G B	12	-46.902	-26.719	93.053	1.00	0.00	H
ATOM	954	H21	G B	12	-45.006	-31.301	90.283	1.00	0.00	H
ATOM	955	H3'	G B	12	-47.577	-23.818	95.622	1.00	0.00	H
ATOM	956	H22	G B	12	-45.817	-29.734	90.011	1.00	0.00	H
ATOM	957	H4'	G B	12	-45.686	-23.370	93.824	1.00	0.00	H
ATOM	958	H2'1	G B	12	-47.212	-26.159	96.017	1.00	0.00	H
ATOM	959	H2'2	G B	12	-48.456	-26.230	94.777	1.00	0.00	H
ATOM	960	H5'1	G B	12	-43.882	-24.401	95.378	1.00	0.00	H
ATOM	961	H5'2	G B	12	-44.873	-23.038	95.942	1.00	0.00	H
ATOM	962	C1'	T B	13	-49.603	-28.758	90.967	1.00	0.00	C
ATOM	963	N1	T B	13	-49.085	-29.459	92.172	1.00	0.00	N
ATOM	964	C2	T B	13	-48.547	-30.717	91.987	1.00	0.00	C
ATOM	965	O2	T B	13	-48.487	-31.254	90.895	1.00	0.00	O
ATOM	966	N3	T B	13	-48.077	-31.332	93.133	1.00	0.00	N
ATOM	967	C4	T B	13	-48.100	-30.815	94.412	1.00	0.00	C
ATOM	968	O4	T B	13	-47.651	-31.463	95.364	1.00	0.00	O
ATOM	969	C5	T B	13	-48.680	-29.496	94.506	1.00	0.00	C
ATOM	970	C6	T B	13	-49.148	-28.866	93.409	1.00	0.00	C
ATOM	971	C7	T B	13	-48.725	-28.893	95.877	1.00	0.00	C
ATOM	972	C2'	T B	13	-50.871	-27.952	91.223	1.00	0.00	C

ATOM	973	C3'	T B	13	-50.671	-26.751	90.311	1.00	0.00	C
ATOM	974	O3'	T B	13	-51.112	-27.083	88.996	1.00	0.00	O
ATOM	975	C4'	T B	13	-49.164	-26.522	90.375	1.00	0.00	C
ATOM	976	O4'	T B	13	-48.601	-27.864	90.523	1.00	0.00	O
ATOM	977	C5'	T B	13	-48.662	-25.658	91.510	1.00	0.00	C
ATOM	978	O5'	T B	13	-49.451	-25.909	92.701	1.00	0.00	O
ATOM	979	O1P	T B	13	-50.645	-23.727	93.079	1.00	0.00	O
ATOM	980	O2P	T B	13	-50.156	-25.244	95.018	1.00	0.00	O
ATOM	981	P	T B	13	-49.730	-24.703	93.705	1.00	0.00	P
ATOM	982	H3	T B	13	-47.668	-32.270	93.020	1.00	0.00	H
ATOM	983	H6	T B	13	-49.581	-27.871	93.505	1.00	0.00	H
ATOM	984	H1'	T B	13	-49.764	-29.498	90.183	1.00	0.00	H
ATOM	985	H3'	T B	13	-51.218	-25.877	90.665	1.00	0.00	H
ATOM	986	H4'	T B	13	-48.877	-26.040	89.440	1.00	0.00	H
ATOM	987	H71	T B	13	-49.761	-28.781	96.194	1.00	0.00	H
ATOM	988	H72	T B	13	-48.200	-29.545	96.578	1.00	0.00	H
ATOM	989	H73	T B	13	-48.241	-27.915	95.862	1.00	0.00	H
ATOM	990	H2'1	T B	13	-50.964	-27.648	92.265	1.00	0.00	H
ATOM	991	H2'2	T B	13	-51.773	-28.504	90.961	1.00	0.00	H
ATOM	992	H5'1	T B	13	-47.616	-25.894	91.703	1.00	0.00	H
ATOM	993	H5'2	T B	13	-48.748	-24.611	91.226	1.00	0.00	H
ATOM	994	C1'	G B	14	-51.636	-32.775	88.874	1.00	0.00	C
ATOM	995	N1	G B	14	-50.052	-35.112	93.123	1.00	0.00	N
ATOM	996	C2	G B	14	-50.002	-35.534	91.807	1.00	0.00	C
ATOM	997	N2	G B	14	-49.460	-36.739	91.593	1.00	0.00	N
ATOM	998	N3	G B	14	-50.456	-34.811	90.785	1.00	0.00	N
ATOM	999	C4	G B	14	-50.977	-33.620	91.185	1.00	0.00	C
ATOM	1000	C5	G B	14	-51.074	-33.119	92.472	1.00	0.00	C
ATOM	1001	C6	G B	14	-50.588	-33.884	93.557	1.00	0.00	C
ATOM	1002	O6	G B	14	-50.585	-33.612	94.759	1.00	0.00	O
ATOM	1003	N7	G B	14	-51.677	-31.859	92.455	1.00	0.00	N
ATOM	1004	C8	G B	14	-51.918	-31.641	91.188	1.00	0.00	C
ATOM	1005	N9	G B	14	-51.524	-32.668	90.354	1.00	0.00	N
ATOM	1006	C2'	G B	14	-52.923	-32.187	88.311	1.00	0.00	C
ATOM	1007	C3'	G B	14	-52.454	-31.598	86.991	1.00	0.00	C
ATOM	1008	O3'	G B	14	-52.451	-32.620	85.998	1.00	0.00	O
ATOM	1009	C4'	G B	14	-51.044	-31.108	87.321	1.00	0.00	C
ATOM	1010	O4'	G B	14	-50.550	-32.069	88.306	1.00	0.00	O
ATOM	1011	C5'	G B	14	-50.935	-29.718	87.902	1.00	0.00	C
ATOM	1012	O5'	G B	14	-52.058	-29.466	88.783	1.00	0.00	O
ATOM	1013	O1P	G B	14	-53.324	-27.638	87.603	1.00	0.00	O
ATOM	1014	O2P	G B	14	-53.466	-27.854	90.098	1.00	0.00	O
ATOM	1015	P	G B	14	-52.650	-27.987	88.867	1.00	0.00	P
ATOM	1016	H1	G B	14	-49.667	-35.745	93.841	1.00	0.00	H
ATOM	1017	H8	G B	14	-52.392	-30.729	90.824	1.00	0.00	H
ATOM	1018	H1'	G B	14	-51.534	-33.825	88.599	1.00	0.00	H
ATOM	1019	H21	G B	14	-49.108	-37.291	92.390	1.00	0.00	H
ATOM	1020	H3'	G B	14	-53.088	-30.775	86.662	1.00	0.00	H
ATOM	1021	H22	G B	14	-49.396	-37.113	90.636	1.00	0.00	H
ATOM	1022	H4'	G B	14	-50.478	-31.124	86.389	1.00	0.00	H
ATOM	1023	H2'1	G B	14	-53.344	-31.419	88.960	1.00	0.00	H
ATOM	1024	H2'2	G B	14	-53.691	-32.944	88.158	1.00	0.00	H
ATOM	1025	H5'1	G B	14	-50.004	-29.637	88.460	1.00	0.00	H
ATOM	1026	H5'2	G B	14	-50.932	-28.991	87.090	1.00	0.00	H

ATOM	1027	C1'	C B	15	-52.889	-37.565	88.716	1.00	0.00	C
ATOM	1028	N1	C B	15	-53.239	-36.729	89.896	1.00	0.00	N
ATOM	1029	C2	C B	15	-52.888	-37.202	91.159	1.00	0.00	C
ATOM	1030	O2	C B	15	-52.303	-38.290	91.247	1.00	0.00	O
ATOM	1031	N3	C B	15	-53.198	-36.456	92.247	1.00	0.00	N
ATOM	1032	C4	C B	15	-53.832	-35.284	92.120	1.00	0.00	C
ATOM	1033	N4	C B	15	-54.107	-34.594	93.217	1.00	0.00	N
ATOM	1034	C5	C B	15	-54.210	-34.773	90.833	1.00	0.00	C
ATOM	1035	C6	C B	15	-53.884	-35.539	89.753	1.00	0.00	C
ATOM	1036	C2'	C B	15	-53.948	-37.555	87.622	1.00	0.00	C
ATOM	1037	C3'	C B	15	-53.101	-37.618	86.360	1.00	0.00	C
ATOM	1038	O3'	C B	15	-52.779	-38.978	86.078	1.00	0.00	O
ATOM	1039	C4'	C B	15	-51.869	-36.799	86.737	1.00	0.00	C
ATOM	1040	O4'	C B	15	-51.690	-37.052	88.167	1.00	0.00	O
ATOM	1041	C5'	C B	15	-51.963	-35.306	86.520	1.00	0.00	C
ATOM	1042	O5'	C B	15	-53.307	-34.852	86.818	1.00	0.00	O
ATOM	1043	O1P	C B	15	-54.171	-34.081	84.583	1.00	0.00	O
ATOM	1044	O2P	C B	15	-55.075	-33.068	86.694	1.00	0.00	O
ATOM	1045	P	C B	15	-53.915	-33.645	85.971	1.00	0.00	P
ATOM	1046	H5	C B	15	-54.732	-33.821	90.727	1.00	0.00	H
ATOM	1047	H6	C B	15	-54.144	-35.190	88.753	1.00	0.00	H
ATOM	1048	H1'	C B	15	-52.693	-38.579	89.063	1.00	0.00	H
ATOM	1049	H3'	C B	15	-53.615	-37.183	85.502	1.00	0.00	H
ATOM	1050	H4'	C B	15	-51.043	-37.170	86.131	1.00	0.00	H
ATOM	1051	H41	C B	15	-54.592	-33.686	93.147	1.00	0.00	H
ATOM	1052	H42	C B	15	-53.837	-34.964	94.141	1.00	0.00	H
ATOM	1053	H2'1	C B	15	-54.559	-36.654	87.645	1.00	0.00	H
ATOM	1054	H2'2	C B	15	-54.621	-38.410	87.691	1.00	0.00	H
ATOM	1055	H5'1	C B	15	-51.250	-34.803	87.175	1.00	0.00	H
ATOM	1056	H5'2	C B	15	-51.720	-35.079	85.483	1.00	0.00	H
ATOM	1057	C1'	G B	16	-53.987	-41.943	90.752	1.00	0.00	C
ATOM	1058	N1	G B	16	-55.370	-39.096	94.753	1.00	0.00	N
ATOM	1059	C2	G B	16	-54.662	-40.285	94.711	1.00	0.00	C
ATOM	1060	N2	G B	16	-54.274	-40.781	95.892	1.00	0.00	N
ATOM	1061	N3	G B	16	-54.366	-40.925	93.581	1.00	0.00	N
ATOM	1062	C4	G B	16	-54.844	-40.283	92.483	1.00	0.00	C
ATOM	1063	C5	G B	16	-55.561	-39.099	92.429	1.00	0.00	C
ATOM	1064	C6	G B	16	-55.873	-38.416	93.629	1.00	0.00	C
ATOM	1065	O6	G B	16	-56.493	-37.364	93.783	1.00	0.00	O
ATOM	1066	N7	G B	16	-55.865	-38.779	91.105	1.00	0.00	N
ATOM	1067	C8	G B	16	-55.333	-39.754	90.413	1.00	0.00	C
ATOM	1068	N9	G B	16	-54.696	-40.707	91.181	1.00	0.00	N
ATOM	1069	C2'	G B	16	-54.649	-42.654	89.580	1.00	0.00	C
ATOM	1070	C3'	G B	16	-53.449	-43.186	88.813	1.00	0.00	C
ATOM	1071	O3'	G B	16	-53.045	-44.430	89.380	1.00	0.00	O
ATOM	1072	C4'	G B	16	-52.403	-42.092	89.017	1.00	0.00	C
ATOM	1073	O4'	G B	16	-52.680	-41.574	90.357	1.00	0.00	O
ATOM	1074	C5'	G B	16	-52.434	-40.943	88.038	1.00	0.00	C
ATOM	1075	O5'	G B	16	-53.806	-40.635	87.687	1.00	0.00	O
ATOM	1076	O1P	G B	16	-53.930	-41.226	85.245	1.00	0.00	O
ATOM	1077	O2P	G B	16	-55.456	-39.475	86.190	1.00	0.00	O
ATOM	1078	P	G B	16	-54.124	-40.127	86.209	1.00	0.00	P
ATOM	1079	H1	G B	16	-55.540	-38.677	95.680	1.00	0.00	H
ATOM	1080	H8	G B	16	-55.389	-39.808	89.327	1.00	0.00	H

ATOM	1081	H1'	G B	16	-53.902	-42.604	91.614	1.00	0.00	H
ATOM	1082	H21	G B	16	-54.503	-40.279	96.762	1.00	0.00	H
ATOM	1083	H3'	G B	16	-53.669	-43.327	87.754	1.00	0.00	H
ATOM	1084	H22	G B	16	-53.746	-41.665	95.928	1.00	0.00	H
ATOM	1085	H4'	G B	16	-51.425	-42.570	88.939	1.00	0.00	H
ATOM	1086	H2'1	G B	16	-55.242	-41.977	88.967	1.00	0.00	H
ATOM	1087	H2'2	G B	16	-55.304	-43.462	89.903	1.00	0.00	H
ATOM	1088	H5'1	G B	16	-51.966	-40.071	88.495	1.00	0.00	H
ATOM	1089	H5'2	G B	16	-51.878	-41.221	87.142	1.00	0.00	H
ATOM	1090	C1'	G B	17	-55.619	-44.867	94.401	1.00	0.00	C
ATOM	1091	N1	G B	17	-58.203	-40.701	95.815	1.00	0.00	N
ATOM	1092	C2	G B	17	-57.506	-41.618	96.582	1.00	0.00	C
ATOM	1093	N2	G B	17	-57.498	-41.395	97.902	1.00	0.00	N
ATOM	1094	N3	G B	17	-56.868	-42.670	96.073	1.00	0.00	N
ATOM	1095	C4	G B	17	-56.988	-42.742	94.722	1.00	0.00	C
ATOM	1096	C5	G B	17	-57.664	-41.880	93.876	1.00	0.00	C
ATOM	1097	C6	G B	17	-58.337	-40.760	94.414	1.00	0.00	C
ATOM	1098	O6	G B	17	-58.985	-39.890	93.832	1.00	0.00	O
ATOM	1099	N7	G B	17	-57.544	-42.309	92.553	1.00	0.00	N
ATOM	1100	C8	G B	17	-56.815	-43.391	92.636	1.00	0.00	C
ATOM	1101	N9	G B	17	-56.439	-43.721	93.921	1.00	0.00	N
ATOM	1102	C2'	G B	17	-55.877	-46.162	93.645	1.00	0.00	C
ATOM	1103	C3'	G B	17	-54.494	-46.793	93.610	1.00	0.00	C
ATOM	1104	O3'	G B	17	-54.274	-47.507	94.823	1.00	0.00	O
ATOM	1105	C4'	G B	17	-53.573	-45.581	93.479	1.00	0.00	C
ATOM	1106	O4'	G B	17	-54.257	-44.526	94.228	1.00	0.00	O
ATOM	1107	C5'	G B	17	-53.310	-45.085	92.078	1.00	0.00	C
ATOM	1108	O5'	G B	17	-54.508	-45.226	91.274	1.00	0.00	O
ATOM	1109	O1P	G B	17	-53.863	-46.956	89.563	1.00	0.00	O
ATOM	1110	O2P	G B	17	-55.624	-45.252	89.022	1.00	0.00	O
ATOM	1111	P	G B	17	-54.358	-45.575	89.725	1.00	0.00	P
ATOM	1112	H1	G B	17	-58.658	-39.917	96.307	1.00	0.00	H
ATOM	1113	H8	G B	17	-56.530	-43.983	91.766	1.00	0.00	H
ATOM	1114	H1'	G B	17	-55.801	-44.994	95.467	1.00	0.00	H
ATOM	1115	H21	G B	17	-57.992	-40.577	98.289	1.00	0.00	H
ATOM	1116	H3'	G B	17	-54.373	-47.470	92.765	1.00	0.00	H
ATOM	1117	H22	G B	17	-56.999	-42.042	98.529	1.00	0.00	H
ATOM	1118	H4'	G B	17	-52.616	-45.861	93.918	1.00	0.00	H
ATOM	1119	H2'1	G B	17	-56.258	-45.987	92.639	1.00	0.00	H
ATOM	1120	H2'2	G B	17	-56.593	-46.805	94.157	1.00	0.00	H
ATOM	1121	H5'1	G B	17	-53.015	-44.037	92.118	1.00	0.00	H
ATOM	1122	H5'2	G B	17	-52.501	-45.669	91.638	1.00	0.00	H
ATOM	1123	C1'	C B	18	-58.275	-45.845	98.465	1.00	0.00	C
ATOM	1124	N1	C B	18	-58.918	-45.236	97.268	1.00	0.00	N
ATOM	1125	C2	C B	18	-59.675	-44.080	97.454	1.00	0.00	C
ATOM	1126	O2	C B	18	-59.781	-43.612	98.594	1.00	0.00	O
ATOM	1127	N3	C B	18	-60.269	-43.510	96.376	1.00	0.00	N
ATOM	1128	C4	C B	18	-60.133	-44.042	95.154	1.00	0.00	C
ATOM	1129	N4	C B	18	-60.734	-43.441	94.137	1.00	0.00	N
ATOM	1130	C5	C B	18	-59.364	-45.229	94.938	1.00	0.00	C
ATOM	1131	C6	C B	18	-58.774	-45.785	96.034	1.00	0.00	C
ATOM	1132	C2'	C B	18	-58.279	-47.369	98.454	1.00	0.00	C
ATOM	1133	C3'	C B	18	-56.945	-47.693	99.109	1.00	0.00	C
ATOM	1134	O3'	C B	18	-57.102	-47.671	100.526	1.00	0.00	O

ATOM	1135	C4'	C B	18	-56.039	-46.569	98.611	1.00	0.00	C
ATOM	1136	O4'	C B	18	-56.928	-45.412	98.497	1.00	0.00	O
ATOM	1137	C5'	C B	18	-55.363	-46.792	97.278	1.00	0.00	C
ATOM	1138	O5'	C B	18	-56.258	-47.506	96.389	1.00	0.00	O
ATOM	1139	O1P	C B	18	-55.104	-49.718	96.055	1.00	0.00	O
ATOM	1140	O2P	C B	18	-56.631	-48.819	94.278	1.00	0.00	O
ATOM	1141	P	C B	18	-55.638	-48.539	95.345	1.00	0.00	P
ATOM	1142	H5	C B	18	-59.255	-45.668	93.946	1.00	0.00	H
ATOM	1143	H6	C B	18	-58.175	-46.688	95.917	1.00	0.00	H
ATOM	1144	H1'	C B	18	-58.774	-45.460	99.353	1.00	0.00	H
ATOM	1145	H3'	C B	18	-56.567	-48.668	98.802	1.00	0.00	H
ATOM	1146	H4'	C B	18	-55.259	-46.435	99.361	1.00	0.00	H
ATOM	1147	H41	C B	18	-60.646	-43.829	93.186	1.00	0.00	H
ATOM	1148	H42	C B	18	-61.287	-42.587	94.297	1.00	0.00	H
ATOM	1149	H2'1	C B	18	-58.335	-47.775	97.445	1.00	0.00	H
ATOM	1150	H2'2	C B	18	-59.113	-47.783	99.021	1.00	0.00	H
ATOM	1151	H5'1	C B	18	-55.104	-45.826	96.842	1.00	0.00	H
ATOM	1152	H5'2	C B	18	-54.454	-47.372	97.431	1.00	0.00	H
ATOM	1153	C1'	C B	19	-62.052	-45.132	101.588	1.00	0.00	C
ATOM	1154	N1	C B	19	-62.297	-45.308	100.131	1.00	0.00	N
ATOM	1155	C2	C B	19	-63.085	-44.359	99.482	1.00	0.00	C
ATOM	1156	O2	C B	19	-63.545	-43.415	100.138	1.00	0.00	O
ATOM	1157	N3	C B	19	-63.321	-44.501	98.156	1.00	0.00	N
ATOM	1158	C4	C B	19	-62.809	-45.534	97.473	1.00	0.00	C
ATOM	1159	N4	C B	19	-63.070	-45.624	96.179	1.00	0.00	N
ATOM	1160	C5	C B	19	-61.998	-46.524	98.115	1.00	0.00	C
ATOM	1161	C6	C B	19	-61.773	-46.360	99.449	1.00	0.00	C
ATOM	1162	C2'	C B	19	-62.038	-46.438	102.368	1.00	0.00	C
ATOM	1163	C3'	C B	19	-60.970	-46.168	103.418	1.00	0.00	C
ATOM	1164	O3'	C B	19	-61.558	-45.479	104.519	1.00	0.00	O
ATOM	1165	C4'	C B	19	-59.965	-45.300	102.665	1.00	0.00	C
ATOM	1166	O4'	C B	19	-60.786	-44.518	101.739	1.00	0.00	O
ATOM	1167	C5'	C B	19	-58.907	-46.031	101.871	1.00	0.00	C
ATOM	1168	O5'	C B	19	-59.474	-47.230	101.287	1.00	0.00	O
ATOM	1169	O1P	C B	19	-58.253	-49.087	102.468	1.00	0.00	O
ATOM	1170	O2P	C B	19	-59.161	-49.452	100.157	1.00	0.00	O
ATOM	1171	P	C B	19	-58.551	-48.520	101.137	1.00	0.00	P
ATOM	1172	H5	C B	19	-61.581	-47.367	97.565	1.00	0.00	H
ATOM	1173	H6	C B	19	-61.160	-47.088	99.980	1.00	0.00	H
ATOM	1174	H1'	C B	19	-62.806	-44.449	101.980	1.00	0.00	H
ATOM	1175	H3'	C B	19	-60.506	-47.088	103.774	1.00	0.00	H
ATOM	1176	H4'	C B	19	-59.458	-44.684	103.408	1.00	0.00	H
ATOM	1177	H41	C B	19	-62.688	-46.407	95.628	1.00	0.00	H
ATOM	1178	H42	C B	19	-63.654	-44.909	95.719	1.00	0.00	H
ATOM	1179	H2'1	C B	19	-61.774	-47.291	101.746	1.00	0.00	H
ATOM	1180	H2'2	C B	19	-63.002	-46.654	102.830	1.00	0.00	H
ATOM	1181	H5'1	C B	19	-58.534	-45.377	101.084	1.00	0.00	H
ATOM	1182	H5'2	C B	19	-58.085	-46.298	102.535	1.00	0.00	H
ATOM	1183	C1'	T B	20	-66.610	-43.629	102.795	1.00	0.00	C
ATOM	1184	N1	T B	20	-66.403	-44.523	101.626	1.00	0.00	N
ATOM	1185	C2	T B	20	-66.970	-44.137	100.428	1.00	0.00	C
ATOM	1186	O2	T B	20	-67.619	-43.112	100.305	1.00	0.00	O
ATOM	1187	N3	T B	20	-66.752	-44.997	99.369	1.00	0.00	N
ATOM	1188	C4	T B	20	-66.039	-46.175	99.400	1.00	0.00	C



ATOM	1189	O4	T B	20	-65.913	-46.865	98.381	1.00	0.00	O
ATOM	1190	C5	T B	20	-65.484	-46.495	100.692	1.00	0.00	C
ATOM	1191	C6	T B	20	-65.675	-45.681	101.749	1.00	0.00	C
ATOM	1192	C7	T B	20	-64.697	-47.769	100.773	1.00	0.00	C
ATOM	1193	C2'	T B	20	-66.817	-44.374	104.108	1.00	0.00	C
ATOM	1194	C3'	T B	20	-66.119	-43.459	105.104	1.00	0.00	C
ATOM	1195	O3'	T B	20	-67.022	-42.432	105.510	1.00	0.00	O
ATOM	1196	C4'	T B	20	-64.945	-42.910	104.298	1.00	0.00	C
ATOM	1197	O4'	T B	20	-65.458	-42.819	102.930	1.00	0.00	O
ATOM	1198	C5'	T B	20	-63.687	-43.748	104.286	1.00	0.00	C
ATOM	1199	O5'	T B	20	-64.036	-45.156	104.272	1.00	0.00	O
ATOM	1200	O1P	T B	20	-63.206	-45.983	106.499	1.00	0.00	O
ATOM	1201	O2P	T B	20	-63.369	-47.561	104.554	1.00	0.00	O
ATOM	1202	P	T B	20	-63.095	-46.187	105.041	1.00	0.00	P
ATOM	1203	H3	T B	20	-67.165	-44.730	98.464	1.00	0.00	H
ATOM	1204	H6	T B	20	-65.245	-45.943	102.715	1.00	0.00	H
ATOM	1205	H1'	T B	20	-67.456	-42.975	102.581	1.00	0.00	H
ATOM	1206	H3'	T B	20	-65.773	-44.003	105.982	1.00	0.00	H
ATOM	1207	H4'	T B	20	-64.694	-41.939	104.725	1.00	0.00	H
ATOM	1208	H3T	T B	20	-67.869	-42.742	105.838	1.00	0.00	H
ATOM	1209	H71	T B	20	-65.213	-48.475	101.423	1.00	0.00	H
ATOM	1210	H72	T B	20	-64.599	-48.199	99.775	1.00	0.00	H
ATOM	1211	H73	T B	20	-63.706	-47.562	101.177	1.00	0.00	H
ATOM	1212	H2'1	T B	20	-66.366	-45.364	104.097	1.00	0.00	H
ATOM	1213	H2'2	T B	20	-67.872	-44.496	104.354	1.00	0.00	H
ATOM	1214	H5'1	T B	20	-63.102	-43.504	103.400	1.00	0.00	H
ATOM	1215	H5'2	T B	20	-63.101	-43.523	105.176	1.00	0.00	H
TER										
ATOM	1	C1'	A A	1	-47.647	-36.480	127.843	1.00	0.00	C
ATOM	2	N1	A A	1	-44.784	-40.733	128.086	1.00	0.00	N
ATOM	3	C2	A A	1	-44.746	-39.584	128.756	1.00	0.00	C
ATOM	4	N3	A A	1	-45.520	-38.526	128.645	1.00	0.00	N
ATOM	5	C4	A A	1	-46.446	-38.723	127.691	1.00	0.00	C
ATOM	6	C5	A A	1	-46.617	-39.837	126.916	1.00	0.00	C
ATOM	7	C6	A A	1	-45.720	-40.901	127.140	1.00	0.00	C
ATOM	8	N6	A A	1	-45.766	-42.057	126.455	1.00	0.00	N
ATOM	9	N7	A A	1	-47.676	-39.677	126.040	1.00	0.00	N
ATOM	10	C8	A A	1	-48.118	-38.482	126.299	1.00	0.00	C
ATOM	11	N9	A A	1	-47.421	-37.842	127.291	1.00	0.00	N
ATOM	12	C2'	A A	1	-48.059	-35.454	126.797	1.00	0.00	C
ATOM	13	C3'	A A	1	-49.031	-34.582	127.575	1.00	0.00	C
ATOM	14	O3'	A A	1	-48.300	-33.595	128.299	1.00	0.00	O
ATOM	15	C4'	A A	1	-49.722	-35.582	128.500	1.00	0.00	C
ATOM	16	O4'	A A	1	-48.685	-36.570	128.801	1.00	0.00	O
ATOM	17	C5'	A A	1	-50.924	-36.300	127.933	1.00	0.00	C
ATOM	18	O5'	A A	1	-50.712	-36.578	126.526	1.00	0.00	O
ATOM	19	H2	A A	1	-43.960	-39.510	129.507	1.00	0.00	H
ATOM	20	H8	A A	1	-48.962	-38.031	125.777	1.00	0.00	H
ATOM	21	H1'	A A	1	-46.739	-36.168	128.361	1.00	0.00	H
ATOM	22	H3'	A A	1	-49.752	-34.089	126.921	1.00	0.00	H
ATOM	23	H4'	A A	1	-50.049	-35.027	129.378	1.00	0.00	H
ATOM	24	H61	A A	1	-45.089	-42.803	126.658	1.00	0.00	H
ATOM	25	H62	A A	1	-46.483	-42.193	125.727	1.00	0.00	H
ATOM	26	H5T	A A	1	-51.465	-36.558	125.933	1.00	0.00	H

ATOM	27	H2'1	A A	1	-48.541	-35.913	125.935	1.00	0.00	H
ATOM	28	H2'2	A A	1	-47.212	-34.874	126.430	1.00	0.00	H
ATOM	29	H5'1	A A	1	-51.070	-37.235	128.475	1.00	0.00	H
ATOM	30	H5'2	A A	1	-51.806	-35.675	128.056	1.00	0.00	H
ATOM	31	C1'	G A	2	-42.843	-35.295	128.261	1.00	0.00	C
ATOM	32	N1	G A	2	-42.093	-39.878	126.153	1.00	0.00	N
ATOM	33	C2	G A	2	-41.433	-39.266	127.201	1.00	0.00	C
ATOM	34	N2	G A	2	-40.441	-39.966	127.762	1.00	0.00	N
ATOM	35	N3	G A	2	-41.739	-38.052	127.655	1.00	0.00	N
ATOM	36	C4	G A	2	-42.765	-37.487	126.966	1.00	0.00	C
ATOM	37	C5	G A	2	-43.481	-38.021	125.906	1.00	0.00	C
ATOM	38	C6	G A	2	-43.158	-39.312	125.428	1.00	0.00	C
ATOM	39	O6	G A	2	-43.672	-39.950	124.510	1.00	0.00	O
ATOM	40	N7	G A	2	-44.456	-37.118	125.479	1.00	0.00	N
ATOM	41	C8	G A	2	-44.308	-36.091	126.276	1.00	0.00	C
ATOM	42	N9	G A	2	-43.299	-36.240	127.206	1.00	0.00	N
ATOM	43	C2'	G A	2	-42.868	-33.835	127.829	1.00	0.00	C
ATOM	44	C3'	G A	2	-43.271	-33.130	129.113	1.00	0.00	C
ATOM	45	O3'	G A	2	-42.110	-32.907	129.911	1.00	0.00	O
ATOM	46	C4'	G A	2	-44.233	-34.127	129.760	1.00	0.00	C
ATOM	47	O4'	G A	2	-43.710	-35.435	129.371	1.00	0.00	O
ATOM	48	C5'	G A	2	-45.679	-34.036	129.335	1.00	0.00	C
ATOM	49	O5'	G A	2	-45.755	-33.701	127.927	1.00	0.00	O
ATOM	50	O1P	G A	2	-46.799	-31.411	127.930	1.00	0.00	O
ATOM	51	O2P	G A	2	-47.097	-32.922	125.950	1.00	0.00	O
ATOM	52	P	G A	2	-46.960	-32.786	127.421	1.00	0.00	P
ATOM	53	H1	G A	2	-41.781	-40.821	125.881	1.00	0.00	H
ATOM	54	H8	G A	2	-44.925	-35.196	126.211	1.00	0.00	H
ATOM	55	H1'	G A	2	-41.843	-35.591	128.577	1.00	0.00	H
ATOM	56	H21	G A	2	-40.210	-40.906	127.407	1.00	0.00	H
ATOM	57	H3'	G A	2	-43.764	-32.177	128.920	1.00	0.00	H
ATOM	58	H22	G A	2	-39.909	-39.565	128.548	1.00	0.00	H
ATOM	59	H4'	G A	2	-44.190	-33.954	130.836	1.00	0.00	H
ATOM	60	H2'1	G A	2	-43.589	-33.652	127.033	1.00	0.00	H
ATOM	61	H2'2	G A	2	-41.894	-33.491	127.476	1.00	0.00	H
ATOM	62	H5'1	G A	2	-46.165	-34.994	129.513	1.00	0.00	H
ATOM	63	H5'2	G A	2	-46.178	-33.267	129.926	1.00	0.00	H
ATOM	64	C1'	G A	3	-37.989	-36.127	127.746	1.00	0.00	C
ATOM	65	N1	G A	3	-39.496	-39.254	124.010	1.00	0.00	N
ATOM	66	C2	G A	3	-38.533	-39.436	124.983	1.00	0.00	C
ATOM	67	N2	G A	3	-37.882	-40.606	124.958	1.00	0.00	N
ATOM	68	N3	G A	3	-38.241	-38.525	125.909	1.00	0.00	N
ATOM	69	C4	G A	3	-38.991	-37.400	125.781	1.00	0.00	C
ATOM	70	C5	G A	3	-39.972	-37.129	124.840	1.00	0.00	C
ATOM	71	C6	G A	3	-40.285	-38.099	123.860	1.00	0.00	C
ATOM	72	O6	G A	3	-41.114	-38.045	122.951	1.00	0.00	O
ATOM	73	N7	G A	3	-40.505	-35.856	125.052	1.00	0.00	N
ATOM	74	C8	G A	3	-39.850	-35.408	126.091	1.00	0.00	C
ATOM	75	N9	G A	3	-38.912	-36.288	126.590	1.00	0.00	N
ATOM	76	C2'	G A	3	-37.430	-34.718	127.894	1.00	0.00	C
ATOM	77	C3'	G A	3	-37.357	-34.561	129.403	1.00	0.00	C
ATOM	78	O3'	G A	3	-36.138	-35.128	129.875	1.00	0.00	O
ATOM	79	C4'	G A	3	-38.580	-35.342	129.885	1.00	0.00	C
ATOM	80	O4'	G A	3	-38.712	-36.434	128.922	1.00	0.00	O

ATOM	81	C5'	G A	3	-39.884	-34.581	129.936	1.00	0.00	C
ATOM	82	O5'	G A	3	-39.955	-33.656	128.823	1.00	0.00	O
ATOM	83	O1P	G A	3	-39.912	-31.399	129.938	1.00	0.00	O
ATOM	84	O2P	G A	3	-41.031	-31.677	127.710	1.00	0.00	O
ATOM	85	P	G A	3	-40.697	-32.259	129.033	1.00	0.00	P
ATOM	86	H1	G A	3	-39.648	-40.025	123.341	1.00	0.00	H
ATOM	87	H8	G A	3	-40.028	-34.424	126.525	1.00	0.00	H
ATOM	88	H1'	G A	3	-37.186	-36.857	127.645	1.00	0.00	H
ATOM	89	H21	G A	3	-38.115	-41.308	124.240	1.00	0.00	H
ATOM	90	H3'	G A	3	-37.412	-33.516	129.710	1.00	0.00	H
ATOM	91	H22	G A	3	-37.151	-40.803	125.655	1.00	0.00	H
ATOM	92	H4'	G A	3	-38.357	-35.688	130.894	1.00	0.00	H
ATOM	93	H2'1	G A	3	-38.081	-33.966	127.448	1.00	0.00	H
ATOM	94	H2'2	G A	3	-36.447	-34.612	127.436	1.00	0.00	H
ATOM	95	H5'1	G A	3	-40.712	-35.287	129.883	1.00	0.00	H
ATOM	96	H5'2	G A	3	-39.942	-34.033	130.876	1.00	0.00	H
ATOM	97	C1'	C A	4	-34.039	-38.262	125.654	1.00	0.00	C
ATOM	98	N1	C A	4	-35.059	-37.572	124.815	1.00	0.00	N
ATOM	99	C2	C A	4	-35.596	-38.271	123.736	1.00	0.00	C
ATOM	100	O2	C A	4	-35.207	-39.425	123.518	1.00	0.00	O
ATOM	101	N3	C A	4	-36.525	-37.660	122.961	1.00	0.00	N
ATOM	102	C4	C A	4	-36.924	-36.408	123.221	1.00	0.00	C
ATOM	103	N4	C A	4	-37.838	-35.862	122.433	1.00	0.00	N
ATOM	104	C5	C A	4	-36.387	-35.667	124.323	1.00	0.00	C
ATOM	105	C6	C A	4	-35.455	-36.301	125.092	1.00	0.00	C
ATOM	106	C2'	C A	4	-32.920	-37.348	126.134	1.00	0.00	C
ATOM	107	C3'	C A	4	-32.631	-37.903	127.521	1.00	0.00	C
ATOM	108	O3'	C A	4	-31.728	-39.001	127.406	1.00	0.00	O
ATOM	109	C4'	C A	4	-34.011	-38.339	128.007	1.00	0.00	C
ATOM	110	O4'	C A	4	-34.700	-38.782	126.793	1.00	0.00	O
ATOM	111	C5'	C A	4	-34.852	-37.280	128.679	1.00	0.00	C
ATOM	112	O5'	C A	4	-34.636	-35.999	128.033	1.00	0.00	O
ATOM	113	O1P	C A	4	-33.516	-34.627	129.820	1.00	0.00	O
ATOM	114	O2P	C A	4	-34.872	-33.497	128.037	1.00	0.00	O
ATOM	115	P	C A	4	-34.684	-34.675	128.920	1.00	0.00	P
ATOM	116	H5	C A	4	-36.705	-34.646	124.535	1.00	0.00	H
ATOM	117	H6	C A	4	-35.021	-35.779	125.944	1.00	0.00	H
ATOM	118	H1'	C A	4	-33.643	-39.100	125.084	1.00	0.00	H
ATOM	119	H3'	C A	4	-32.202	-37.150	128.180	1.00	0.00	H
ATOM	120	H4'	C A	4	-33.854	-39.145	128.724	1.00	0.00	H
ATOM	121	H41	C A	4	-38.164	-34.900	122.611	1.00	0.00	H
ATOM	122	H42	C A	4	-38.223	-36.396	121.640	1.00	0.00	H
ATOM	123	H2'1	C A	4	-33.229	-36.305	126.182	1.00	0.00	H
ATOM	124	H2'2	C A	4	-32.039	-37.401	125.493	1.00	0.00	H
ATOM	125	H5'1	C A	4	-35.904	-37.556	128.605	1.00	0.00	H
ATOM	126	H5'2	C A	4	-34.571	-37.214	129.730	1.00	0.00	H
ATOM	127	C1'	C A	5	-31.625	-40.466	121.935	1.00	0.00	C
ATOM	128	N1	C A	5	-32.332	-39.174	121.715	1.00	0.00	N
ATOM	129	C2	C A	5	-33.224	-39.092	120.649	1.00	0.00	C
ATOM	130	O2	C A	5	-33.394	-40.087	119.932	1.00	0.00	O
ATOM	131	N3	C A	5	-33.878	-37.924	120.433	1.00	0.00	N
ATOM	132	C4	C A	5	-33.674	-36.864	121.225	1.00	0.00	C
ATOM	133	N4	C A	5	-34.341	-35.750	120.971	1.00	0.00	N
ATOM	134	C5	C A	5	-32.760	-36.921	122.328	1.00	0.00	C

ATOM	135	C6	C A	5	-32.116	-38.107	122.528	1.00	0.00	C
ATOM	136	C2'	C A	5	-30.179	-40.306	122.385	1.00	0.00	C
ATOM	137	C3'	C A	5	-30.014	-41.478	123.341	1.00	0.00	C
ATOM	138	O3'	C A	5	-29.685	-42.647	122.595	1.00	0.00	O
ATOM	139	C4'	C A	5	-31.390	-41.579	123.995	1.00	0.00	C
ATOM	140	O4'	C A	5	-32.322	-41.172	122.944	1.00	0.00	O
ATOM	141	C5'	C A	5	-31.621	-40.707	125.208	1.00	0.00	C
ATOM	142	O5'	C A	5	-30.946	-39.436	125.034	1.00	0.00	O
ATOM	143	O1P	C A	5	-29.167	-39.472	126.815	1.00	0.00	O
ATOM	144	O2P	C A	5	-30.086	-37.283	126.004	1.00	0.00	O
ATOM	145	P	C A	5	-30.330	-38.713	126.315	1.00	0.00	P
ATOM	146	H5	C A	5	-32.586	-36.059	122.973	1.00	0.00	H
ATOM	147	H6	C A	5	-31.414	-38.199	123.356	1.00	0.00	H
ATOM	148	H1'	C A	5	-31.686	-41.048	121.015	1.00	0.00	H
ATOM	149	H3'	C A	5	-29.237	-41.293	124.082	1.00	0.00	H
ATOM	150	H4'	C A	5	-31.519	-42.616	124.303	1.00	0.00	H
ATOM	151	H41	C A	5	-34.204	-34.920	121.565	1.00	0.00	H
ATOM	152	H42	C A	5	-34.997	-35.712	120.176	1.00	0.00	H
ATOM	153	H2'1	C A	5	-30.005	-39.357	122.888	1.00	0.00	H
ATOM	154	H2'2	C A	5	-29.478	-40.371	121.552	1.00	0.00	H
ATOM	155	H5'1	C A	5	-32.692	-40.542	125.332	1.00	0.00	H
ATOM	156	H5'2	C A	5	-31.232	-41.213	126.091	1.00	0.00	H
ATOM	157	C1'	G A	6	-30.788	-41.483	117.160	1.00	0.00	C
ATOM	158	N1	G A	6	-33.045	-36.974	116.387	1.00	0.00	N
ATOM	159	C2	G A	6	-33.195	-38.171	115.708	1.00	0.00	C
ATOM	160	N2	G A	6	-34.058	-38.165	114.686	1.00	0.00	N
ATOM	161	N3	G A	6	-32.535	-39.284	116.025	1.00	0.00	N
ATOM	162	C4	G A	6	-31.697	-39.106	117.080	1.00	0.00	C
ATOM	163	C5	G A	6	-31.481	-37.952	117.813	1.00	0.00	C
ATOM	164	C6	G A	6	-32.183	-36.771	117.482	1.00	0.00	C
ATOM	165	O6	G A	6	-32.127	-35.661	118.009	1.00	0.00	O
ATOM	166	N7	G A	6	-30.538	-38.188	118.817	1.00	0.00	N
ATOM	167	C8	G A	6	-30.225	-39.449	118.665	1.00	0.00	C
ATOM	168	N9	G A	6	-30.886	-40.075	117.629	1.00	0.00	N
ATOM	169	C2'	G A	6	-29.377	-42.053	117.223	1.00	0.00	C
ATOM	170	C3'	G A	6	-29.635	-43.502	117.602	1.00	0.00	C
ATOM	171	O3'	G A	6	-29.919	-44.253	116.424	1.00	0.00	O
ATOM	172	C4'	G A	6	-30.847	-43.400	118.528	1.00	0.00	C
ATOM	173	O4'	G A	6	-31.614	-42.275	117.993	1.00	0.00	O
ATOM	174	C5'	G A	6	-30.558	-43.138	119.986	1.00	0.00	C
ATOM	175	O5'	G A	6	-29.424	-42.245	120.110	1.00	0.00	O
ATOM	176	O1P	G A	6	-27.665	-43.682	121.194	1.00	0.00	O
ATOM	177	O2P	G A	6	-27.628	-41.194	121.520	1.00	0.00	O
ATOM	178	P	G A	6	-28.431	-42.430	121.345	1.00	0.00	P
ATOM	179	H1	G A	6	-33.609	-36.172	116.067	1.00	0.00	H
ATOM	180	H8	G A	6	-29.502	-39.961	119.300	1.00	0.00	H
ATOM	181	H1'	G A	6	-31.184	-41.535	116.146	1.00	0.00	H
ATOM	182	H21	G A	6	-34.568	-37.302	114.450	1.00	0.00	H
ATOM	183	H3'	G A	6	-28.784	-43.948	118.118	1.00	0.00	H
ATOM	184	H22	G A	6	-34.214	-39.023	114.138	1.00	0.00	H
ATOM	185	H4'	G A	6	-31.379	-44.348	118.458	1.00	0.00	H
ATOM	186	H2'1	G A	6	-28.761	-41.551	117.970	1.00	0.00	H
ATOM	187	H2'2	G A	6	-28.857	-41.979	116.268	1.00	0.00	H
ATOM	188	H5'1	G A	6	-31.434	-42.687	120.451	1.00	0.00	H

ATOM	189	H5'2	G A	6	-30.339	-44.083	120.483	1.00	0.00	H
ATOM	190	C1'	C A	7	-30.966	-40.512	112.308	1.00	0.00	C
ATOM	191	N1	C A	7	-30.406	-39.511	113.258	1.00	0.00	N
ATOM	192	C2	C A	7	-30.902	-38.211	113.202	1.00	0.00	C
ATOM	193	O2	C A	7	-31.778	-37.940	112.371	1.00	0.00	O
ATOM	194	N3	C A	7	-30.407	-37.285	114.060	1.00	0.00	N
ATOM	195	C4	C A	7	-29.457	-37.607	114.948	1.00	0.00	C
ATOM	196	N4	C A	7	-29.012	-36.665	115.764	1.00	0.00	N
ATOM	197	C5	C A	7	-28.926	-38.937	115.025	1.00	0.00	C
ATOM	198	C6	C A	7	-29.444	-39.854	114.155	1.00	0.00	C
ATOM	199	C2'	C A	7	-29.932	-41.493	111.771	1.00	0.00	C
ATOM	200	C3'	C A	7	-30.741	-42.777	111.662	1.00	0.00	C
ATOM	201	O3'	C A	7	-31.440	-42.785	110.418	1.00	0.00	O
ATOM	202	C4'	C A	7	-31.689	-42.683	112.856	1.00	0.00	C
ATOM	203	O4'	C A	7	-31.956	-41.252	112.995	1.00	0.00	O
ATOM	204	C5'	C A	7	-31.161	-43.206	114.173	1.00	0.00	C
ATOM	205	O5'	C A	7	-29.747	-42.904	114.290	1.00	0.00	O
ATOM	206	O1P	C A	7	-28.661	-45.175	114.257	1.00	0.00	O
ATOM	207	O2P	C A	7	-27.539	-43.261	115.429	1.00	0.00	O
ATOM	208	P	C A	7	-28.802	-43.937	115.052	1.00	0.00	P
ATOM	209	H5	C A	7	-28.149	-39.203	115.743	1.00	0.00	H
ATOM	210	H6	C A	7	-29.077	-40.881	114.181	1.00	0.00	H
ATOM	211	H1'	C A	7	-31.453	-39.973	111.495	1.00	0.00	H
ATOM	212	H3'	C A	7	-30.109	-43.662	111.727	1.00	0.00	H
ATOM	213	H4'	C A	7	-32.576	-43.261	112.601	1.00	0.00	H
ATOM	214	H41	C A	7	-28.283	-36.886	116.459	1.00	0.00	H
ATOM	215	H42	C A	7	-29.391	-35.708	115.706	1.00	0.00	H
ATOM	216	H2'1	C A	7	-29.087	-41.614	112.446	1.00	0.00	H
ATOM	217	H2'2	C A	7	-29.537	-41.188	110.801	1.00	0.00	H
ATOM	218	H5'1	C A	7	-31.708	-42.734	114.990	1.00	0.00	H
ATOM	219	H5'2	C A	7	-31.311	-44.285	114.216	1.00	0.00	H
ATOM	220	C1'	A A	8	-31.217	-37.524	108.368	1.00	0.00	C
ATOM	221	N1	A A	8	-29.140	-34.085	111.562	1.00	0.00	N
ATOM	222	C2	A A	8	-30.115	-34.001	110.662	1.00	0.00	C
ATOM	223	N3	A A	8	-30.606	-34.930	109.870	1.00	0.00	N
ATOM	224	C4	A A	8	-29.963	-36.096	110.069	1.00	0.00	C
ATOM	225	C5	A A	8	-28.947	-36.347	110.949	1.00	0.00	C
ATOM	226	C6	A A	8	-28.519	-35.261	111.739	1.00	0.00	C
ATOM	227	N6	A A	8	-27.532	-35.358	112.647	1.00	0.00	N
ATOM	228	N7	A A	8	-28.536	-37.667	110.874	1.00	0.00	N
ATOM	229	C8	A A	8	-29.303	-38.181	109.957	1.00	0.00	C
ATOM	230	N9	A A	8	-30.195	-37.287	109.425	1.00	0.00	N
ATOM	231	C2'	A A	8	-30.753	-38.467	107.266	1.00	0.00	C
ATOM	232	C3'	A A	8	-32.033	-39.216	106.931	1.00	0.00	C
ATOM	233	O3'	A A	8	-32.791	-38.449	106.000	1.00	0.00	O
ATOM	234	C4'	A A	8	-32.727	-39.329	108.287	1.00	0.00	C
ATOM	235	O4'	A A	8	-32.351	-38.099	108.988	1.00	0.00	O
ATOM	236	C5'	A A	8	-32.339	-40.512	109.142	1.00	0.00	C
ATOM	237	O5'	A A	8	-30.925	-40.791	108.980	1.00	0.00	O
ATOM	238	O1P	A A	8	-30.905	-43.047	107.862	1.00	0.00	O
ATOM	239	O2P	A A	8	-28.968	-42.337	109.290	1.00	0.00	O
ATOM	240	P	A A	8	-30.432	-42.307	109.047	1.00	0.00	P
ATOM	241	H2	A A	8	-30.575	-33.019	110.565	1.00	0.00	H
ATOM	242	H8	A A	8	-29.242	-39.222	109.641	1.00	0.00	H

ATOM	243	H1'	A A	8	-31.513	-36.559	107.958	1.00	0.00	H
ATOM	244	H3'	A A	8	-31.832	-40.201	106.509	1.00	0.00	H
ATOM	245	H4'	A A	8	-33.796	-39.396	108.090	1.00	0.00	H
ATOM	246	H61	A A	8	-27.260	-34.534	113.200	1.00	0.00	H
ATOM	247	H62	A A	8	-27.049	-36.257	112.786	1.00	0.00	H
ATOM	248	H2'1	A A	8	-29.973	-39.147	107.606	1.00	0.00	H
ATOM	249	H2'2	A A	8	-30.367	-37.931	106.400	1.00	0.00	H
ATOM	250	H5'1	A A	8	-32.550	-40.280	110.187	1.00	0.00	H
ATOM	251	H5'2	A A	8	-32.924	-41.380	108.841	1.00	0.00	H
ATOM	252	C1'	C A	9	-30.553	-33.193	106.033	1.00	0.00	C
ATOM	253	N1	C A	9	-29.428	-33.831	106.768	1.00	0.00	N
ATOM	254	C2	C A	9	-28.728	-33.058	107.692	1.00	0.00	C
ATOM	255	O2	C A	9	-29.069	-31.880	107.862	1.00	0.00	O
ATOM	256	N3	C A	9	-27.701	-33.621	108.373	1.00	0.00	N
ATOM	257	C4	C A	9	-27.356	-34.898	108.166	1.00	0.00	C
ATOM	258	N4	C A	9	-26.345	-35.400	108.862	1.00	0.00	N
ATOM	259	C5	C A	9	-28.054	-35.718	107.218	1.00	0.00	C
ATOM	260	C6	C A	9	-29.090	-35.131	106.547	1.00	0.00	C
ATOM	261	C2'	C A	9	-30.661	-33.629	104.578	1.00	0.00	C
ATOM	262	C3'	C A	9	-32.168	-33.648	104.364	1.00	0.00	C
ATOM	263	O3'	C A	9	-32.611	-32.333	104.036	1.00	0.00	O
ATOM	264	C4'	C A	9	-32.697	-34.113	105.719	1.00	0.00	C
ATOM	265	O4'	C A	9	-31.755	-33.552	106.688	1.00	0.00	O
ATOM	266	C5'	C A	9	-32.775	-35.607	105.932	1.00	0.00	C
ATOM	267	O5'	C A	9	-31.649	-36.254	105.285	1.00	0.00	O
ATOM	268	O1P	C A	9	-32.727	-37.607	103.456	1.00	0.00	O
ATOM	269	O2P	C A	9	-30.538	-38.343	104.437	1.00	0.00	O
ATOM	270	P	C A	9	-31.859	-37.700	104.646	1.00	0.00	P
ATOM	271	H5	C A	9	-27.773	-36.757	107.043	1.00	0.00	H
ATOM	272	H6	C A	9	-29.656	-35.715	105.823	1.00	0.00	H
ATOM	273	H1'	C A	9	-30.439	-32.111	106.109	1.00	0.00	H
ATOM	274	H3'	C A	9	-32.457	-34.336	103.571	1.00	0.00	H
ATOM	275	H4'	C A	9	-33.704	-33.710	105.821	1.00	0.00	H
ATOM	276	H41	C A	9	-26.061	-36.380	108.723	1.00	0.00	H
ATOM	277	H42	C A	9	-25.844	-34.808	109.539	1.00	0.00	H
ATOM	278	H2'1	C A	9	-30.225	-34.612	104.406	1.00	0.00	H
ATOM	279	H2'2	C A	9	-30.172	-32.929	103.899	1.00	0.00	H
ATOM	280	H5'1	C A	9	-32.756	-35.819	107.001	1.00	0.00	H
ATOM	281	H5'2	C A	9	-33.707	-35.980	105.510	1.00	0.00	H
ATOM	282	C1'	C A	10	-28.359	-28.812	105.311	1.00	0.00	C
ATOM	283	N1	C A	10	-27.547	-30.053	105.427	1.00	0.00	N
ATOM	284	C2	C A	10	-26.492	-30.060	106.338	1.00	0.00	C
ATOM	285	O2	C A	10	-26.274	-29.042	107.008	1.00	0.00	O
ATOM	286	N3	C A	10	-25.740	-31.181	106.459	1.00	0.00	N
ATOM	287	C4	C A	10	-25.998	-32.267	105.720	1.00	0.00	C
ATOM	288	N4	C A	10	-25.233	-33.338	105.882	1.00	0.00	N
ATOM	289	C5	C A	10	-27.074	-32.288	104.772	1.00	0.00	C
ATOM	290	C6	C A	10	-27.821	-31.149	104.670	1.00	0.00	C
ATOM	291	C2'	C A	10	-28.794	-28.495	103.887	1.00	0.00	C
ATOM	292	C3'	C A	10	-30.176	-27.898	104.103	1.00	0.00	C
ATOM	293	O3'	C A	10	-30.045	-26.511	104.406	1.00	0.00	O
ATOM	294	C4'	C A	10	-30.710	-28.699	105.288	1.00	0.00	C
ATOM	295	O4'	C A	10	-29.524	-28.985	106.096	1.00	0.00	O
ATOM	296	C5'	C A	10	-31.398	-30.004	104.961	1.00	0.00	C

ATOM	297	O5'	C	A	10	-30.731	-30.643	103.842	1.00	0.00	O
ATOM	298	O1P	C	A	10	-32.467	-30.585	102.021	1.00	0.00	O
ATOM	299	O2P	C	A	10	-30.716	-32.382	102.029	1.00	0.00	O
ATOM	300	P	C	A	10	-31.605	-31.486	102.810	1.00	0.00	P
ATOM	301	H5	C	A	10	-27.284	-33.168	104.163	1.00	0.00	H
ATOM	302	H6	C	A	10	-28.655	-31.119	103.969	1.00	0.00	H
ATOM	303	H1'	C	A	10	-27.787	-27.988	105.737	1.00	0.00	H
ATOM	304	H3'	C	A	10	-30.814	-28.017	103.226	1.00	0.00	H
ATOM	305	H4'	C	A	10	-31.432	-28.063	105.801	1.00	0.00	H
ATOM	306	H41	C	A	10	-25.412	-34.187	105.327	1.00	0.00	H
ATOM	307	H42	C	A	10	-24.459	-33.319	106.561	1.00	0.00	H
ATOM	308	H2'1	C	A	10	-28.840	-29.384	103.259	1.00	0.00	H
ATOM	309	H2'2	C	A	10	-28.126	-27.783	103.399	1.00	0.00	H
ATOM	310	H5'1	C	A	10	-31.360	-30.658	105.834	1.00	0.00	H
ATOM	311	H5'2	C	A	10	-32.438	-29.806	104.707	1.00	0.00	H
ATOM	312	C1'	T	A	11	-24.604	-25.602	105.636	1.00	0.00	C
ATOM	313	N1	T	A	11	-24.376	-26.963	105.083	1.00	0.00	N
ATOM	314	C2	T	A	11	-23.338	-27.696	105.621	1.00	0.00	C
ATOM	315	O2	T	A	11	-22.621	-27.270	106.512	1.00	0.00	O
ATOM	316	N3	T	A	11	-23.160	-28.956	105.080	1.00	0.00	N
ATOM	317	C4	T	A	11	-23.910	-29.528	104.072	1.00	0.00	C
ATOM	318	O4	T	A	11	-23.655	-30.669	103.664	1.00	0.00	O
ATOM	319	C5	T	A	11	-24.973	-28.688	103.573	1.00	0.00	C
ATOM	320	C6	T	A	11	-25.174	-27.455	104.079	1.00	0.00	C
ATOM	321	C7	T	A	11	-25.814	-29.272	102.478	1.00	0.00	C
ATOM	322	C2'	T	A	11	-25.016	-24.574	104.589	1.00	0.00	C
ATOM	323	C3'	T	A	11	-25.991	-23.704	105.363	1.00	0.00	C
ATOM	324	O3'	T	A	11	-25.263	-22.716	106.091	1.00	0.00	O
ATOM	325	C4'	T	A	11	-26.683	-24.705	106.285	1.00	0.00	C
ATOM	326	O4'	T	A	11	-25.646	-25.692	106.590	1.00	0.00	O
ATOM	327	C5'	T	A	11	-27.883	-25.426	105.714	1.00	0.00	C
ATOM	328	O5'	T	A	11	-27.665	-25.702	104.307	1.00	0.00	O
ATOM	329	O1P	T	A	11	-29.399	-24.285	103.160	1.00	0.00	O
ATOM	330	O2P	T	A	11	-28.565	-26.380	102.061	1.00	0.00	O
ATOM	331	P	T	A	11	-28.913	-25.669	103.316	1.00	0.00	P
ATOM	332	H3	T	A	11	-22.395	-29.524	105.466	1.00	0.00	H
ATOM	333	H6	T	A	11	-25.983	-26.838	103.687	1.00	0.00	H
ATOM	334	H1'	T	A	11	-23.700	-25.288	106.156	1.00	0.00	H
ATOM	335	H3'	T	A	11	-26.708	-23.212	104.708	1.00	0.00	H
ATOM	336	H4'	T	A	11	-27.015	-24.151	107.163	1.00	0.00	H
ATOM	337	H71	T	A	11	-25.666	-28.702	101.562	1.00	0.00	H
ATOM	338	H72	T	A	11	-25.523	-30.310	102.310	1.00	0.00	H
ATOM	339	H73	T	A	11	-26.865	-29.233	102.765	1.00	0.00	H
ATOM	340	H2'1	T	A	11	-25.493	-25.034	103.726	1.00	0.00	H
ATOM	341	H2'2	T	A	11	-24.167	-23.993	104.224	1.00	0.00	H
ATOM	342	H5'1	T	A	11	-28.030	-26.361	106.254	1.00	0.00	H
ATOM	343	H5'2	T	A	11	-28.767	-24.800	105.833	1.00	0.00	H
ATOM	344	C1'	A	A	12	-19.810	-24.393	106.060	1.00	0.00	C
ATOM	345	N1	A	A	12	-19.035	-29.010	103.956	1.00	0.00	N
ATOM	346	C2	A	A	12	-18.441	-28.367	104.956	1.00	0.00	C
ATOM	347	N3	A	A	12	-18.694	-27.174	105.452	1.00	0.00	N
ATOM	348	C4	A	A	12	-19.709	-26.598	104.784	1.00	0.00	C
ATOM	349	C5	A	A	12	-20.420	-27.120	103.740	1.00	0.00	C
ATOM	350	C6	A	A	12	-20.046	-28.411	103.309	1.00	0.00	C

ATOM	351	N6	A	A	12	-20.654	-29.050	102.295	1.00	0.00	N
ATOM	352	N7	A	A	12	-21.393	-26.238	103.308	1.00	0.00	N
ATOM	353	C8	A	A	12	-21.251	-25.208	104.089	1.00	0.00	C
ATOM	354	N9	A	A	12	-20.248	-25.356	105.012	1.00	0.00	N
ATOM	355	C2'	A	A	12	-19.850	-22.939	105.609	1.00	0.00	C
ATOM	356	C3'	A	A	12	-20.269	-22.223	106.884	1.00	0.00	C
ATOM	357	O3'	A	A	12	-19.114	-21.978	107.683	1.00	0.00	O
ATOM	358	C4'	A	A	12	-21.221	-23.223	107.537	1.00	0.00	C
ATOM	359	O4'	A	A	12	-20.681	-24.531	107.165	1.00	0.00	O
ATOM	360	C5'	A	A	12	-22.666	-23.155	107.105	1.00	0.00	C
ATOM	361	O5'	A	A	12	-22.740	-22.837	105.691	1.00	0.00	O
ATOM	362	O1P	A	A	12	-23.810	-20.559	105.661	1.00	0.00	O
ATOM	363	O2P	A	A	12	-24.080	-22.098	103.698	1.00	0.00	O
ATOM	364	P	A	A	12	-23.952	-21.943	105.168	1.00	0.00	P
ATOM	365	H2	A	A	12	-17.625	-28.907	105.437	1.00	0.00	H
ATOM	366	H8	A	A	12	-21.869	-24.312	104.018	1.00	0.00	H
ATOM	367	H1'	A	A	12	-18.808	-24.674	106.383	1.00	0.00	H
ATOM	368	H3'	A	A	12	-20.772	-21.279	106.677	1.00	0.00	H
ATOM	369	H4'	A	A	12	-21.186	-23.037	108.611	1.00	0.00	H
ATOM	370	H61	A	A	12	-20.345	-29.993	102.022	1.00	0.00	H
ATOM	371	H62	A	A	12	-21.430	-28.595	101.792	1.00	0.00	H
ATOM	372	H2'1	A	A	12	-20.568	-22.773	104.807	1.00	0.00	H
ATOM	373	H2'2	A	A	12	-18.879	-22.589	105.258	1.00	0.00	H
ATOM	374	H5'1	A	A	12	-23.141	-24.118	107.291	1.00	0.00	H
ATOM	375	H5'2	A	A	12	-23.177	-22.386	107.681	1.00	0.00	H
ATOM	376	C1'	G	A	13	-14.947	-25.248	105.539	1.00	0.00	C
ATOM	377	N1	G	A	13	-16.455	-28.375	101.802	1.00	0.00	N
ATOM	378	C2	G	A	13	-15.491	-28.558	102.776	1.00	0.00	C
ATOM	379	N2	G	A	13	-14.837	-29.728	102.751	1.00	0.00	N
ATOM	380	N3	G	A	13	-15.199	-27.645	103.701	1.00	0.00	N
ATOM	381	C4	G	A	13	-15.950	-26.520	103.574	1.00	0.00	C
ATOM	382	C5	G	A	13	-16.931	-26.250	102.633	1.00	0.00	C
ATOM	383	C6	G	A	13	-17.243	-27.220	101.651	1.00	0.00	C
ATOM	384	O6	G	A	13	-18.072	-27.164	100.743	1.00	0.00	O
ATOM	385	N7	G	A	13	-17.463	-24.977	102.844	1.00	0.00	N
ATOM	386	C8	G	A	13	-16.809	-24.528	103.883	1.00	0.00	C
ATOM	387	N9	G	A	13	-15.871	-25.409	104.382	1.00	0.00	N
ATOM	388	C2'	G	A	13	-14.388	-23.839	105.687	1.00	0.00	C
ATOM	389	C3'	G	A	13	-14.316	-23.682	107.196	1.00	0.00	C
ATOM	390	O3'	G	A	13	-13.095	-24.249	107.668	1.00	0.00	O
ATOM	391	C4'	G	A	13	-15.538	-24.462	107.678	1.00	0.00	C
ATOM	392	O4'	G	A	13	-15.671	-25.556	106.715	1.00	0.00	O
ATOM	393	C5'	G	A	13	-16.842	-23.702	107.729	1.00	0.00	C
ATOM	394	O5'	G	A	13	-16.914	-22.777	106.616	1.00	0.00	O
ATOM	395	O1P	G	A	13	-16.870	-20.520	107.729	1.00	0.00	O
ATOM	396	O2P	G	A	13	-17.990	-20.797	105.503	1.00	0.00	O
ATOM	397	P	G	A	13	-17.656	-21.380	106.825	1.00	0.00	P
ATOM	398	H1	G	A	13	-16.609	-29.148	101.135	1.00	0.00	H
ATOM	399	H8	G	A	13	-16.986	-23.545	104.318	1.00	0.00	H
ATOM	400	H1'	G	A	13	-14.143	-25.978	105.437	1.00	0.00	H
ATOM	401	H21	G	A	13	-15.072	-30.430	102.033	1.00	0.00	H
ATOM	402	H3'	G	A	13	-14.371	-22.637	107.502	1.00	0.00	H
ATOM	403	H22	G	A	13	-14.107	-29.923	103.447	1.00	0.00	H
ATOM	404	H4'	G	A	13	-15.315	-24.809	108.687	1.00	0.00	H



ATOM	405	H2'1	G	A	13	-15.040	-23.087	105.241	1.00	0.00	H
ATOM	406	H2'2	G	A	13	-13.404	-23.733	105.228	1.00	0.00	H
ATOM	407	H5'1	G	A	13	-17.670	-24.408	107.675	1.00	0.00	H
ATOM	408	H5'2	G	A	13	-16.900	-23.154	108.669	1.00	0.00	H
ATOM	409	C1'	G	A	14	-10.998	-27.382	103.445	1.00	0.00	C
ATOM	410	N1	G	A	14	-14.079	-27.807	99.402	1.00	0.00	N
ATOM	411	C2	G	A	14	-13.189	-28.719	99.940	1.00	0.00	C
ATOM	412	N2	G	A	14	-13.108	-29.901	99.317	1.00	0.00	N
ATOM	413	N3	G	A	14	-12.441	-28.472	101.015	1.00	0.00	N
ATOM	414	C4	G	A	14	-12.647	-27.224	101.510	1.00	0.00	C
ATOM	415	C5	G	A	14	-13.509	-26.249	101.038	1.00	0.00	C
ATOM	416	C6	G	A	14	-14.306	-26.510	99.902	1.00	0.00	C
ATOM	417	O6	G	A	14	-15.121	-25.780	99.339	1.00	0.00	O
ATOM	418	N7	G	A	14	-13.420	-25.103	101.834	1.00	0.00	N
ATOM	419	C8	G	A	14	-12.532	-25.415	102.741	1.00	0.00	C
ATOM	420	N9	G	A	14	-12.016	-26.687	102.611	1.00	0.00	N
ATOM	421	C2'	G	A	14	-9.879	-26.471	103.932	1.00	0.00	C
ATOM	422	C3'	G	A	14	-9.589	-27.033	105.315	1.00	0.00	C
ATOM	423	O3'	G	A	14	-8.688	-28.130	105.196	1.00	0.00	O
ATOM	424	C4'	G	A	14	-10.972	-27.471	105.798	1.00	0.00	C
ATOM	425	O4'	G	A	14	-11.658	-27.906	104.582	1.00	0.00	O
ATOM	426	C5'	G	A	14	-11.811	-26.414	106.475	1.00	0.00	C
ATOM	427	O5'	G	A	14	-11.595	-25.131	105.836	1.00	0.00	O
ATOM	428	O1P	G	A	14	-10.474	-23.768	107.631	1.00	0.00	O
ATOM	429	O2P	G	A	14	-11.828	-22.629	105.853	1.00	0.00	O
ATOM	430	P	G	A	14	-11.641	-23.811	106.730	1.00	0.00	P
ATOM	431	H1	G	A	14	-14.616	-28.100	98.571	1.00	0.00	H
ATOM	432	H8	G	A	14	-12.227	-24.729	103.532	1.00	0.00	H
ATOM	433	H1'	G	A	14	-10.600	-28.218	102.872	1.00	0.00	H
ATOM	434	H21	G	A	14	-13.692	-30.088	98.488	1.00	0.00	H
ATOM	435	H3'	G	A	14	-9.161	-26.282	105.978	1.00	0.00	H
ATOM	436	H22	G	A	14	-12.462	-30.623	99.667	1.00	0.00	H
ATOM	437	H4'	G	A	14	-10.815	-28.280	106.511	1.00	0.00	H
ATOM	438	H2'1	G	A	14	-10.187	-25.428	103.984	1.00	0.00	H
ATOM	439	H2'2	G	A	14	-8.998	-26.521	103.290	1.00	0.00	H
ATOM	440	H5'1	G	A	14	-12.863	-26.690	106.400	1.00	0.00	H
ATOM	441	H5'2	G	A	14	-11.531	-26.354	107.528	1.00	0.00	H
ATOM	442	C1'	A	A	15	-8.568	-29.592	99.744	1.00	0.00	C
ATOM	443	N1	A	A	15	-11.957	-27.107	96.799	1.00	0.00	N
ATOM	444	C2	A	A	15	-11.472	-28.347	96.763	1.00	0.00	C
ATOM	445	N3	A	A	15	-10.600	-28.927	97.558	1.00	0.00	N
ATOM	446	C4	A	A	15	-10.191	-28.064	98.508	1.00	0.00	C
ATOM	447	C5	A	A	15	-10.587	-26.768	98.681	1.00	0.00	C
ATOM	448	C6	A	A	15	-11.532	-26.272	97.758	1.00	0.00	C
ATOM	449	N6	A	A	15	-12.012	-25.017	97.804	1.00	0.00	N
ATOM	450	N7	A	A	15	-9.952	-26.192	99.767	1.00	0.00	N
ATOM	451	C8	A	A	15	-9.189	-27.142	100.223	1.00	0.00	C
ATOM	452	N9	A	A	15	-9.283	-28.310	99.509	1.00	0.00	N
ATOM	453	C2'	A	A	15	-7.126	-29.416	100.204	1.00	0.00	C
ATOM	454	C3'	A	A	15	-6.956	-30.578	101.170	1.00	0.00	C
ATOM	455	O3'	A	A	15	-6.611	-31.748	100.435	1.00	0.00	O
ATOM	456	C4'	A	A	15	-8.337	-30.687	101.816	1.00	0.00	C
ATOM	457	O4'	A	A	15	-9.265	-30.297	100.752	1.00	0.00	O
ATOM	458	C5'	A	A	15	-8.586	-29.810	103.020	1.00	0.00	C

ATOM	459	O5'	A	A	15	-7.922	-28.533	102.842	1.00	0.00	O
ATOM	460	O1P	A	A	15	-6.156	-28.540	104.636	1.00	0.00	O
ATOM	461	O2P	A	A	15	-7.091	-26.364	103.802	1.00	0.00	O
ATOM	462	P	A	A	15	-7.323	-27.794	104.122	1.00	0.00	P
ATOM	463	H2	A	A	15	-11.856	-28.972	95.958	1.00	0.00	H
ATOM	464	H8	A	A	15	-8.538	-27.023	101.087	1.00	0.00	H
ATOM	465	H1'	A	A	15	-8.615	-30.182	98.828	1.00	0.00	H
ATOM	466	H3'	A	A	15	-6.188	-30.380	101.917	1.00	0.00	H
ATOM	467	H4'	A	A	15	-8.458	-31.724	102.128	1.00	0.00	H
ATOM	468	H61	A	A	15	-12.703	-24.707	97.106	1.00	0.00	H
ATOM	469	H62	A	A	15	-11.689	-24.369	98.536	1.00	0.00	H
ATOM	470	H2'1	A	A	15	-6.967	-28.459	100.701	1.00	0.00	H
ATOM	471	H2'2	A	A	15	-6.418	-29.480	99.379	1.00	0.00	H
ATOM	472	H5'1	A	A	15	-9.658	-29.655	103.133	1.00	0.00	H
ATOM	473	H5'2	A	A	15	-8.199	-30.305	103.909	1.00	0.00	H
ATOM	474	C1'	C	A	16	-7.746	-30.605	94.952	1.00	0.00	C
ATOM	475	N1	C	A	16	-7.850	-29.195	95.417	1.00	0.00	N
ATOM	476	C2	C	A	16	-8.726	-28.348	94.743	1.00	0.00	C
ATOM	477	O2	C	A	16	-9.378	-28.800	93.791	1.00	0.00	O
ATOM	478	N3	C	A	16	-8.836	-27.059	95.149	1.00	0.00	N
ATOM	479	C4	C	A	16	-8.117	-26.602	96.182	1.00	0.00	C
ATOM	480	N4	C	A	16	-8.267	-25.335	96.540	1.00	0.00	N
ATOM	481	C5	C	A	16	-7.204	-27.448	96.892	1.00	0.00	C
ATOM	482	C6	C	A	16	-7.112	-28.744	96.468	1.00	0.00	C
ATOM	483	C2'	C	A	16	-6.333	-31.170	95.014	1.00	0.00	C
ATOM	484	C3'	C	A	16	-6.587	-32.619	95.399	1.00	0.00	C
ATOM	485	O3'	C	A	16	-6.869	-33.374	94.223	1.00	0.00	O
ATOM	486	C4'	C	A	16	-7.798	-32.517	96.325	1.00	0.00	C
ATOM	487	O4'	C	A	16	-8.570	-31.396	95.789	1.00	0.00	O
ATOM	488	C5'	C	A	16	-7.506	-32.250	97.784	1.00	0.00	C
ATOM	489	O5'	C	A	16	-6.374	-31.353	97.900	1.00	0.00	O
ATOM	490	O1P	C	A	16	-4.607	-32.780	98.986	1.00	0.00	O
ATOM	491	O2P	C	A	16	-4.579	-30.293	99.304	1.00	0.00	O
ATOM	492	P	C	A	16	-5.378	-31.530	99.135	1.00	0.00	P
ATOM	493	H5	C	A	16	-6.611	-27.076	97.730	1.00	0.00	H
ATOM	494	H6	C	A	16	-6.438	-29.428	96.982	1.00	0.00	H
ATOM	495	H1'	C	A	16	-8.146	-30.661	93.940	1.00	0.00	H
ATOM	496	H3'	C	A	16	-5.733	-33.058	95.915	1.00	0.00	H
ATOM	497	H4'	C	A	16	-8.325	-33.468	96.261	1.00	0.00	H
ATOM	498	H41	C	A	16	-7.726	-24.956	97.333	1.00	0.00	H
ATOM	499	H42	C	A	16	-8.920	-24.726	96.027	1.00	0.00	H
ATOM	500	H2'1	C	A	16	-5.718	-30.664	95.757	1.00	0.00	H
ATOM	501	H2'2	C	A	16	-5.817	-31.097	94.056	1.00	0.00	H
ATOM	502	H5'1	C	A	16	-8.384	-31.800	98.247	1.00	0.00	H
ATOM	503	H5'2	C	A	16	-7.282	-33.193	98.282	1.00	0.00	H
ATOM	504	C1'	G	A	17	-7.923	-29.632	90.101	1.00	0.00	C
ATOM	505	N1	G	A	17	-8.101	-24.776	91.656	1.00	0.00	N
ATOM	506	C2	G	A	17	-8.817	-25.417	90.661	1.00	0.00	C
ATOM	507	N2	G	A	17	-9.697	-24.663	89.989	1.00	0.00	N
ATOM	508	N3	G	A	17	-8.670	-26.706	90.360	1.00	0.00	N
ATOM	509	C4	G	A	17	-7.731	-27.312	91.135	1.00	0.00	C
ATOM	510	C5	G	A	17	-6.967	-26.755	92.146	1.00	0.00	C
ATOM	511	C6	G	A	17	-7.125	-25.388	92.469	1.00	0.00	C
ATOM	512	O6	G	A	17	-6.545	-24.718	93.323	1.00	0.00	O

ATOM	513	N7	G A	17	-6.118	-27.718	92.696	1.00	0.00	N
ATOM	514	C8	G A	17	-6.391	-28.803	92.020	1.00	0.00	C
ATOM	515	N9	G A	17	-7.361	-28.636	91.053	1.00	0.00	N
ATOM	516	C2'	G A	17	-6.895	-30.618	89.563	1.00	0.00	C
ATOM	517	C3'	G A	17	-7.707	-31.897	89.452	1.00	0.00	C
ATOM	518	O3'	G A	17	-8.405	-31.901	88.208	1.00	0.00	O
ATOM	519	C4'	G A	17	-8.656	-31.802	90.646	1.00	0.00	C
ATOM	520	O4'	G A	17	-8.918	-30.369	90.785	1.00	0.00	O
ATOM	521	C5'	G A	17	-8.133	-32.328	91.961	1.00	0.00	C
ATOM	522	O5'	G A	17	-6.719	-32.032	92.081	1.00	0.00	O
ATOM	523	O1P	G A	17	-5.643	-34.308	92.046	1.00	0.00	O
ATOM	524	O2P	G A	17	-4.512	-32.402	93.223	1.00	0.00	O
ATOM	525	P	G A	17	-5.779	-33.072	92.842	1.00	0.00	P
ATOM	526	H1	G A	17	-8.296	-23.776	91.814	1.00	0.00	H
ATOM	527	H8	G A	17	-5.895	-29.757	92.204	1.00	0.00	H
ATOM	528	H1'	G A	17	-8.407	-29.090	89.287	1.00	0.00	H
ATOM	529	H21	G A	17	-9.808	-23.667	90.229	1.00	0.00	H
ATOM	530	H3'	G A	17	-7.080	-32.787	89.517	1.00	0.00	H
ATOM	531	H22	G A	17	-10.260	-25.079	89.234	1.00	0.00	H
ATOM	532	H4'	G A	17	-9.546	-32.374	90.389	1.00	0.00	H
ATOM	533	H2'1	G A	17	-6.050	-30.742	90.241	1.00	0.00	H
ATOM	534	H2'2	G A	17	-6.496	-30.313	88.595	1.00	0.00	H
ATOM	535	H5'1	G A	17	-8.679	-31.856	92.778	1.00	0.00	H
ATOM	536	H5'2	G A	17	-8.290	-33.407	92.003	1.00	0.00	H
ATOM	537	C1'	G A	18	-8.170	-26.624	86.174	1.00	0.00	C
ATOM	538	N1	G A	18	-6.089	-23.226	89.359	1.00	0.00	N
ATOM	539	C2	G A	18	-7.110	-23.070	88.437	1.00	0.00	C
ATOM	540	N2	G A	18	-7.647	-21.845	88.352	1.00	0.00	N
ATOM	541	N3	G A	18	-7.560	-24.056	87.665	1.00	0.00	N
ATOM	542	C4	G A	18	-6.897	-25.224	87.879	1.00	0.00	C
ATOM	543	C5	G A	18	-5.867	-25.471	88.771	1.00	0.00	C
ATOM	544	C6	G A	18	-5.392	-24.424	89.595	1.00	0.00	C
ATOM	545	O6	G A	18	-4.494	-24.448	90.438	1.00	0.00	O
ATOM	546	N7	G A	18	-5.461	-26.802	88.682	1.00	0.00	N
ATOM	547	C8	G A	18	-6.240	-27.311	87.763	1.00	0.00	C
ATOM	548	N9	G A	18	-7.140	-26.413	87.227	1.00	0.00	N
ATOM	549	C2'	G A	18	-7.724	-27.558	85.058	1.00	0.00	C
ATOM	550	C3'	G A	18	-9.013	-28.288	84.721	1.00	0.00	C
ATOM	551	O3'	G A	18	-9.770	-27.504	83.802	1.00	0.00	O
ATOM	552	C4'	G A	18	-9.701	-28.411	86.079	1.00	0.00	C
ATOM	553	O4'	G A	18	-9.308	-27.194	86.792	1.00	0.00	O
ATOM	554	C5'	G A	18	-9.320	-29.607	86.919	1.00	0.00	C
ATOM	555	O5'	G A	18	-7.912	-29.902	86.743	1.00	0.00	O
ATOM	556	O1P	G A	18	-7.923	-32.142	85.597	1.00	0.00	O
ATOM	557	O2P	G A	18	-5.970	-31.472	87.023	1.00	0.00	O
ATOM	558	P	G A	18	-7.434	-31.423	86.789	1.00	0.00	P
ATOM	559	H1	G A	18	-5.820	-22.399	89.914	1.00	0.00	H
ATOM	560	H8	G A	18	-6.186	-28.353	87.447	1.00	0.00	H
ATOM	561	H1'	G A	18	-8.457	-25.650	85.777	1.00	0.00	H
ATOM	562	H21	G A	18	-7.295	-21.087	88.956	1.00	0.00	H
ATOM	563	H3'	G A	18	-8.824	-29.271	84.286	1.00	0.00	H
ATOM	564	H22	G A	18	-8.407	-21.664	87.685	1.00	0.00	H
ATOM	565	H4'	G A	18	-10.772	-28.465	85.887	1.00	0.00	H
ATOM	566	H2'1	G A	18	-6.948	-28.251	85.384	1.00	0.00	H

ATOM	567	H2'2	G A	18	-7.336	-27.016	84.194	1.00	0.00	H
ATOM	568	H5'1	G A	18	-9.524	-29.388	87.967	1.00	0.00	H
ATOM	569	H5'2	G A	18	-9.917	-30.464	86.611	1.00	0.00	H
ATOM	570	C1'	T A	19	-7.524	-22.324	83.809	1.00	0.00	C
ATOM	571	N1	T A	19	-6.396	-22.942	84.554	1.00	0.00	N
ATOM	572	C2	T A	19	-5.726	-22.145	85.459	1.00	0.00	C
ATOM	573	O2	T A	19	-6.024	-20.980	85.659	1.00	0.00	O
ATOM	574	N3	T A	19	-4.684	-22.760	86.129	1.00	0.00	N
ATOM	575	C4	T A	19	-4.265	-24.064	85.976	1.00	0.00	C
ATOM	576	O4	T A	19	-3.315	-24.505	86.633	1.00	0.00	O
ATOM	577	C5	T A	19	-5.025	-24.820	85.008	1.00	0.00	C
ATOM	578	C6	T A	19	-6.048	-24.253	84.337	1.00	0.00	C
ATOM	579	C7	T A	19	-4.606	-26.245	84.811	1.00	0.00	C
ATOM	580	C2'	T A	19	-7.625	-22.778	82.358	1.00	0.00	C
ATOM	581	C3'	T A	19	-9.129	-22.814	82.139	1.00	0.00	C
ATOM	582	O3'	T A	19	-9.585	-21.508	81.795	1.00	0.00	O
ATOM	583	C4'	T A	19	-9.657	-23.272	83.497	1.00	0.00	C
ATOM	584	O4'	T A	19	-8.725	-22.689	84.462	1.00	0.00	O
ATOM	585	C5'	T A	19	-9.721	-24.763	83.727	1.00	0.00	C
ATOM	586	O5'	T A	19	-8.587	-25.405	83.091	1.00	0.00	O
ATOM	587	O1P	T A	19	-9.645	-26.789	81.274	1.00	0.00	O
ATOM	588	O2P	T A	19	-7.452	-27.490	82.270	1.00	0.00	O
ATOM	589	P	T A	19	-8.779	-26.860	82.467	1.00	0.00	P
ATOM	590	H3	T A	19	-4.172	-22.186	86.814	1.00	0.00	H
ATOM	591	H6	T A	19	-6.607	-24.844	83.611	1.00	0.00	H
ATOM	592	H1'	T A	19	-7.423	-21.240	83.872	1.00	0.00	H
ATOM	593	H3'	T A	19	-9.409	-23.514	81.353	1.00	0.00	H
ATOM	594	H4'	T A	19	-10.671	-22.877	83.592	1.00	0.00	H
ATOM	595	H71	T A	19	-4.218	-26.374	83.801	1.00	0.00	H
ATOM	596	H72	T A	19	-3.828	-26.499	85.532	1.00	0.00	H
ATOM	597	H73	T A	19	-5.463	-26.903	84.956	1.00	0.00	H
ATOM	598	H2'1	T A	19	-7.177	-23.758	82.201	1.00	0.00	H
ATOM	599	H2'2	T A	19	-7.141	-22.081	81.672	1.00	0.00	H
ATOM	600	H5'1	T A	19	-9.704	-24.962	84.798	1.00	0.00	H
ATOM	601	H5'2	T A	19	-10.647	-25.151	83.305	1.00	0.00	H
ATOM	602	C01	LNK A	20	-9.605	-19.726	78.527	0.00	0.00	C
ATOM	603	O1	LNK A	20	-9.279	-20.855	79.342	1.00	0.00	O
ATOM	604	S	LNK A	20	-9.073	-18.464	74.789	0.00	0.00	S
ATOM	605	C02	LNK A	20	-9.055	-19.946	77.104	0.00	0.00	C
ATOM	606	C03	LNK A	20	-8.563	-18.602	76.531	0.00	0.00	C
ATOM	607	O1P	LNK A	20	-7.201	-21.327	80.683	1.00	0.00	O
ATOM	608	O2P	LNK A	20	-8.429	-19.158	80.988	1.00	0.00	O
ATOM	609	P	LNK A	20	-8.494	-20.614	80.709	1.00	0.00	P
ATOM	610	H01	LNK A	20	-9.161	-18.828	78.954	0.00	0.00	H
ATOM	611	H02	LNK A	20	-10.688	-19.610	78.483	0.00	0.00	H
ATOM	612	H03	LNK A	20	-7.476	-18.556	76.597	0.00	0.00	H
ATOM	613	H04	LNK A	20	-9.844	-20.346	76.467	0.00	0.00	H
ATOM	614	H05	LNK A	20	-8.225	-20.650	77.141	0.00	0.00	H
ATOM	615	H06	LNK A	20	-8.998	-17.783	77.103	0.00	0.00	H
ATOM	616	AU	LNK A	20	-8.771	-17.918	74.505			
TER										
ATOM	618	C1'	A B	2	-1.069	-17.752	91.313	1.00	0.00	C
ATOM	619	N1	A B	2	-3.198	-21.130	88.089	1.00	0.00	N
ATOM	620	C2	A B	2	-3.470	-19.860	88.365	1.00	0.00	C

ATOM	621	N3	A B	2	-2.877	-19.041	89.209	1.00	0.00	N
ATOM	622	C4	A B	2	-1.868	-19.673	89.839	1.00	0.00	C
ATOM	623	C5	A B	2	-1.463	-20.966	89.670	1.00	0.00	C
ATOM	624	C6	A B	2	-2.186	-21.733	88.730	1.00	0.00	C
ATOM	625	N6	A B	2	-1.902	-23.019	88.459	1.00	0.00	N
ATOM	626	N7	A B	2	-0.389	-21.265	90.489	1.00	0.00	N
ATOM	627	C8	A B	2	-0.171	-20.156	91.132	1.00	0.00	C
ATOM	628	N9	A B	2	-1.028	-19.144	90.787	1.00	0.00	N
ATOM	629	C2'	A B	2	-0.763	-17.648	92.801	1.00	0.00	C
ATOM	630	C3'	A B	2	-0.003	-16.334	92.878	1.00	0.00	C
ATOM	631	O3'	A B	2	-0.936	-15.259	92.962	1.00	0.00	O
ATOM	632	C4'	A B	2	0.781	-16.318	91.567	1.00	0.00	C
ATOM	633	O4'	A B	2	-0.096	-17.000	90.614	1.00	0.00	O
ATOM	634	C5'	A B	2	2.121	-17.015	91.577	1.00	0.00	C
ATOM	635	O5'	A B	2	2.051	-18.198	92.413	1.00	0.00	O
ATOM	636	H2	A B	2	-4.305	-19.430	87.814	1.00	0.00	H
ATOM	637	H8	A B	2	0.619	-20.043	91.876	1.00	0.00	H
ATOM	638	H1'	A B	2	-2.048	-17.330	91.085	1.00	0.00	H
ATOM	639	H3'	A B	2	0.666	-16.298	93.737	1.00	0.00	H
ATOM	640	H4'	A B	2	0.952	-15.272	91.314	1.00	0.00	H
ATOM	641	H61	A B	2	-2.458	-23.532	87.763	1.00	0.00	H
ATOM	642	H62	A B	2	-1.126	-23.489	88.950	1.00	0.00	H
ATOM	643	H2'1	A B	2	-0.155	-18.479	93.157	1.00	0.00	H
ATOM	644	H2'2	A B	2	-1.669	-17.619	93.409	1.00	0.00	H
ATOM	645	H5'1	A B	2	2.383	-17.300	90.558	1.00	0.00	H
ATOM	646	H5'2	A B	2	2.875	-16.333	91.966	1.00	0.00	H
ATOM	647	C1'	C B	3	-6.020	-17.409	91.493	1.00	0.00	C
ATOM	648	N1	C B	3	-5.347	-18.726	91.658	1.00	0.00	N
ATOM	649	C2	C B	3	-5.786	-19.787	90.867	1.00	0.00	C
ATOM	650	O2	C B	3	-6.708	-19.591	90.064	1.00	0.00	O
ATOM	651	N3	C B	3	-5.187	-20.994	91.003	1.00	0.00	N
ATOM	652	C4	C B	3	-4.192	-21.175	91.881	1.00	0.00	C
ATOM	653	N4	C B	3	-3.640	-22.378	91.969	1.00	0.00	N
ATOM	654	C5	C B	3	-3.723	-20.105	92.712	1.00	0.00	C
ATOM	655	C6	C B	3	-4.338	-18.894	92.555	1.00	0.00	C
ATOM	656	C2'	C B	3	-6.208	-16.647	92.797	1.00	0.00	C
ATOM	657	C3'	C B	3	-6.007	-15.206	92.355	1.00	0.00	C
ATOM	658	O3'	C B	3	-7.238	-14.698	91.845	1.00	0.00	O
ATOM	659	C4'	C B	3	-4.940	-15.328	91.271	1.00	0.00	C
ATOM	660	O4'	C B	3	-5.213	-16.620	90.638	1.00	0.00	O
ATOM	661	C5'	C B	3	-3.503	-15.313	91.738	1.00	0.00	C
ATOM	662	O5'	C B	3	-3.393	-16.012	93.005	1.00	0.00	O
ATOM	663	O1P	C B	3	-2.743	-14.192	94.618	1.00	0.00	O
ATOM	664	O2P	C B	3	-2.075	-16.567	95.071	1.00	0.00	O
ATOM	665	P	C B	3	-2.326	-15.499	94.072	1.00	0.00	P
ATOM	666	H5	C B	3	-2.919	-20.249	93.434	1.00	0.00	H
ATOM	667	H6	C B	3	-4.011	-18.048	93.159	1.00	0.00	H
ATOM	668	H1'	C B	3	-6.975	-17.573	90.994	1.00	0.00	H
ATOM	669	H3'	C B	3	-5.667	-14.572	93.173	1.00	0.00	H
ATOM	670	H4'	C B	3	-5.076	-14.485	90.594	1.00	0.00	H
ATOM	671	H41	C B	3	-2.871	-22.544	92.635	1.00	0.00	H
ATOM	672	H42	C B	3	-3.980	-23.147	91.373	1.00	0.00	H
ATOM	673	H2'1	C B	3	-5.478	-16.935	93.554	1.00	0.00	H
ATOM	674	H2'2	C B	3	-7.200	-16.797	93.224	1.00	0.00	H

ATOM	675	H5 '1	C B	3	-2.878	-15.805	90.992	1.00	0.00	H
ATOM	676	H5 '2	C B	3	-3.176	-14.283	91.857	1.00	0.00	H
ATOM	677	C1 '	C B	4	-10.627	-19.157	91.000	1.00	0.00	C
ATOM	678	N1	C B	4	-9.616	-19.901	91.798	1.00	0.00	N
ATOM	679	C2	C B	4	-9.426	-21.253	91.515	1.00	0.00	C
ATOM	680	O2	C B	4	-10.100	-21.775	90.618	1.00	0.00	O
ATOM	681	N3	C B	4	-8.511	-21.950	92.230	1.00	0.00	N
ATOM	682	C4	C B	4	-7.796	-21.357	93.197	1.00	0.00	C
ATOM	683	N4	C B	4	-6.911	-22.084	93.864	1.00	0.00	N
ATOM	684	C5	C B	4	-7.973	-19.970	93.514	1.00	0.00	C
ATOM	685	C6	C B	4	-8.898	-19.286	92.776	1.00	0.00	C
ATOM	686	C2 '	C B	4	-11.417	-18.137	91.808	1.00	0.00	C
ATOM	687	C3 '	C B	4	-11.612	-17.016	90.799	1.00	0.00	C
ATOM	688	O3 '	C B	4	-12.751	-17.305	89.992	1.00	0.00	O
ATOM	689	C4 '	C B	4	-10.313	-17.050	89.997	1.00	0.00	C
ATOM	690	O4 '	C B	4	-9.939	-18.466	89.973	1.00	0.00	O
ATOM	691	C5 '	C B	4	-9.155	-16.256	90.557	1.00	0.00	C
ATOM	692	O5 '	C B	4	-9.165	-16.330	92.005	1.00	0.00	O
ATOM	693	O1P	C B	4	-9.651	-13.962	92.706	1.00	0.00	O
ATOM	694	O2P	C B	4	-8.358	-15.482	94.228	1.00	0.00	O
ATOM	695	P	C B	4	-8.677	-15.064	92.841	1.00	0.00	P
ATOM	696	H5	C B	4	-7.399	-19.486	94.304	1.00	0.00	H
ATOM	697	H6	C B	4	-9.062	-18.228	92.976	1.00	0.00	H
ATOM	698	H1 '	C B	4	-11.291	-19.882	90.529	1.00	0.00	H
ATOM	699	H3 '	C B	4	-11.749	-16.049	91.284	1.00	0.00	H
ATOM	700	H4 '	C B	4	-10.540	-16.654	89.007	1.00	0.00	H
ATOM	701	H41	C B	4	-6.346	-21.653	94.610	1.00	0.00	H
ATOM	702	H42	C B	4	-6.787	-23.083	93.636	1.00	0.00	H
ATOM	703	H2 '1	C B	4	-10.870	-17.790	92.685	1.00	0.00	H
ATOM	704	H2 '2	C B	4	-12.373	-18.532	92.151	1.00	0.00	H
ATOM	705	H5 '1	C B	4	-8.221	-16.664	90.173	1.00	0.00	H
ATOM	706	H5 '2	C B	4	-9.251	-15.218	90.241	1.00	0.00	H
ATOM	707	C1 '	G B	5	-14.025	-22.756	90.855	1.00	0.00	C
ATOM	708	N1	G B	5	-10.659	-25.272	93.749	1.00	0.00	N
ATOM	709	C2	G B	5	-11.421	-25.716	92.682	1.00	0.00	C
ATOM	710	N2	G B	5	-11.268	-27.002	92.343	1.00	0.00	N
ATOM	711	N3	G B	5	-12.268	-24.940	92.009	1.00	0.00	N
ATOM	712	C4	G B	5	-12.302	-23.670	92.493	1.00	0.00	C
ATOM	713	C5	G B	5	-11.582	-23.141	93.551	1.00	0.00	C
ATOM	714	C6	G B	5	-10.681	-23.963	94.264	1.00	0.00	C
ATOM	715	O6	G B	5	-9.963	-23.678	95.222	1.00	0.00	O
ATOM	716	N7	G B	5	-11.908	-21.793	93.729	1.00	0.00	N
ATOM	717	C8	G B	5	-12.791	-21.554	92.793	1.00	0.00	C
ATOM	718	N9	G B	5	-13.083	-22.647	92.002	1.00	0.00	N
ATOM	719	C2 '	G B	5	-15.308	-21.956	91.037	1.00	0.00	C
ATOM	720	C3 '	G B	5	-15.590	-21.482	89.621	1.00	0.00	C
ATOM	721	O3 '	G B	5	-16.291	-22.502	88.916	1.00	0.00	O
ATOM	722	C4 '	G B	5	-14.190	-21.245	89.057	1.00	0.00	C
ATOM	723	O4 '	G B	5	-13.364	-22.264	89.705	1.00	0.00	O
ATOM	724	C5 '	G B	5	-13.580	-19.889	89.319	1.00	0.00	C
ATOM	725	O5 '	G B	5	-13.962	-19.427	90.638	1.00	0.00	O
ATOM	726	O1P	G B	5	-15.404	-17.421	90.159	1.00	0.00	O
ATOM	727	O2P	G B	5	-14.141	-17.569	92.321	1.00	0.00	O
ATOM	728	P	G B	5	-14.190	-17.865	90.869	1.00	0.00	P

ATOM	729	H1	G B	5	-10.029	-25.953	94.199	1.00	0.00	H
ATOM	730	H8	G B	5	-13.256	-20.579	92.651	1.00	0.00	H
ATOM	731	H1'	G B	5	-14.243	-23.811	90.691	1.00	0.00	H
ATOM	732	H21	G B	5	-10.609	-27.597	92.867	1.00	0.00	H
ATOM	733	H3'	G B	5	-16.179	-20.563	89.607	1.00	0.00	H
ATOM	734	H22	G B	5	-11.809	-27.397	91.561	1.00	0.00	H
ATOM	735	H4'	G B	5	-14.258	-21.377	87.978	1.00	0.00	H
ATOM	736	H2'1	G B	5	-15.178	-21.116	91.719	1.00	0.00	H
ATOM	737	H2'2	G B	5	-16.125	-22.567	91.421	1.00	0.00	H
ATOM	738	H5'1	G B	5	-12.495	-19.967	89.255	1.00	0.00	H
ATOM	739	H5'2	G B	5	-13.934	-19.185	88.566	1.00	0.00	H
ATOM	740	C1'	T B	6	-15.814	-27.241	91.943	1.00	0.00	C
ATOM	741	N1	T B	6	-15.304	-26.357	93.025	1.00	0.00	N
ATOM	742	C2	T B	6	-14.382	-26.897	93.898	1.00	0.00	C
ATOM	743	O2	T B	6	-13.985	-28.046	93.812	1.00	0.00	O
ATOM	744	N3	T B	6	-13.934	-26.039	94.886	1.00	0.00	N
ATOM	745	C4	T B	6	-14.319	-24.728	95.074	1.00	0.00	C
ATOM	746	O4	T B	6	-13.849	-24.058	96.000	1.00	0.00	O
ATOM	747	C5	T B	6	-15.284	-24.254	94.112	1.00	0.00	C
ATOM	748	C6	T B	6	-15.743	-25.060	93.135	1.00	0.00	C
ATOM	749	C7	T B	6	-15.729	-22.830	94.276	1.00	0.00	C
ATOM	750	C2'	T B	6	-17.292	-27.040	91.633	1.00	0.00	C
ATOM	751	C3'	T B	6	-17.331	-27.257	90.128	1.00	0.00	C
ATOM	752	O3'	T B	6	-17.433	-28.653	89.857	1.00	0.00	O
ATOM	753	C4'	T B	6	-15.998	-26.673	89.665	1.00	0.00	C
ATOM	754	O4'	T B	6	-15.080	-26.955	90.768	1.00	0.00	O
ATOM	755	C5'	T B	6	-15.974	-25.188	89.385	1.00	0.00	C
ATOM	756	O5'	T B	6	-16.825	-24.498	90.335	1.00	0.00	O
ATOM	757	O1P	T B	6	-18.679	-23.586	88.898	1.00	0.00	O
ATOM	758	O2P	T B	6	-18.061	-22.426	91.035	1.00	0.00	O
ATOM	759	P	T B	6	-17.620	-23.202	89.852	1.00	0.00	P
ATOM	760	H3	T B	6	-13.242	-26.418	95.549	1.00	0.00	H
ATOM	761	H6	T B	6	-16.471	-24.678	92.420	1.00	0.00	H
ATOM	762	H1'	T B	6	-15.611	-28.275	92.222	1.00	0.00	H
ATOM	763	H3'	T B	6	-18.170	-26.738	89.663	1.00	0.00	H
ATOM	764	H4'	T B	6	-15.729	-27.190	88.743	1.00	0.00	H
ATOM	765	H71	T B	6	-16.787	-22.808	94.539	1.00	0.00	H
ATOM	766	H72	T B	6	-15.148	-22.357	95.069	1.00	0.00	H
ATOM	767	H73	T B	6	-15.576	-22.290	93.342	1.00	0.00	H
ATOM	768	H2'1	T B	6	-17.638	-26.044	91.899	1.00	0.00	H
ATOM	769	H2'2	T B	6	-17.925	-27.760	92.153	1.00	0.00	H
ATOM	770	H5'1	T B	6	-14.951	-24.823	89.474	1.00	0.00	H
ATOM	771	H5'2	T B	6	-16.333	-25.010	88.372	1.00	0.00	H
ATOM	772	C1'	C B	7	-16.147	-31.330	94.742	1.00	0.00	C
ATOM	773	N1	C B	7	-16.305	-29.980	95.353	1.00	0.00	N
ATOM	774	C2	C B	7	-15.540	-29.679	96.477	1.00	0.00	C
ATOM	775	O2	C B	7	-14.764	-30.537	96.919	1.00	0.00	O
ATOM	776	N3	C B	7	-15.669	-28.456	97.048	1.00	0.00	N
ATOM	777	C4	C B	7	-16.518	-27.549	96.548	1.00	0.00	C
ATOM	778	N4	C B	7	-16.602	-26.370	97.143	1.00	0.00	N
ATOM	779	C5	C B	7	-17.322	-27.833	95.395	1.00	0.00	C
ATOM	780	C6	C B	7	-17.171	-29.069	94.833	1.00	0.00	C
ATOM	781	C2'	C B	7	-17.448	-31.926	94.227	1.00	0.00	C
ATOM	782	C3'	C B	7	-16.984	-32.673	92.986	1.00	0.00	C

ATOM	783	O3'	C B	7	-16.508	-33.962	93.367	1.00	0.00	O
ATOM	784	C4'	C B	7	-15.869	-31.781	92.450	1.00	0.00	C
ATOM	785	O4'	C B	7	-15.259	-31.204	93.647	1.00	0.00	O
ATOM	786	C5'	C B	7	-16.290	-30.655	91.532	1.00	0.00	C
ATOM	787	O5'	C B	7	-17.560	-30.114	91.975	1.00	0.00	O
ATOM	788	O1P	C B	7	-19.132	-30.705	90.101	1.00	0.00	O
ATOM	789	O2P	C B	7	-19.589	-28.699	91.533	1.00	0.00	O
ATOM	790	P	C B	7	-18.588	-29.577	90.880	1.00	0.00	P
ATOM	791	H5	C B	7	-18.018	-27.099	94.988	1.00	0.00	H
ATOM	792	H6	C B	7	-17.755	-29.328	93.950	1.00	0.00	H
ATOM	793	H1'	C B	7	-15.680	-31.984	95.479	1.00	0.00	H
ATOM	794	H3'	C B	7	-17.786	-32.787	92.253	1.00	0.00	H
ATOM	795	H4'	C B	7	-15.188	-32.425	91.892	1.00	0.00	H
ATOM	796	H41	C B	7	-17.244	-25.652	96.776	1.00	0.00	H
ATOM	797	H42	C B	7	-16.024	-26.168	97.974	1.00	0.00	H
ATOM	798	H2'1	C B	7	-18.185	-31.162	93.978	1.00	0.00	H
ATOM	799	H2'2	C B	7	-17.909	-32.601	94.949	1.00	0.00	H
ATOM	800	H5'1	C B	7	-15.529	-29.875	91.550	1.00	0.00	H
ATOM	801	H5'2	C B	7	-16.388	-31.039	90.518	1.00	0.00	H
ATOM	802	C1'	C B	8	-15.819	-33.859	98.988	1.00	0.00	C
ATOM	803	N1	C B	8	-16.593	-32.590	98.921	1.00	0.00	N
ATOM	804	C2	C B	8	-16.319	-31.606	99.870	1.00	0.00	C
ATOM	805	O2	C B	8	-15.449	-31.827	100.722	1.00	0.00	O
ATOM	806	N3	C B	8	-17.013	-30.444	99.826	1.00	0.00	N
ATOM	807	C4	C B	8	-17.949	-30.235	98.891	1.00	0.00	C
ATOM	808	N4	C B	8	-18.595	-29.077	98.894	1.00	0.00	N
ATOM	809	C5	C B	8	-18.258	-31.229	97.904	1.00	0.00	C
ATOM	810	C6	C B	8	-17.541	-32.392	97.965	1.00	0.00	C
ATOM	811	C2'	C B	8	-16.640	-35.098	98.656	1.00	0.00	C
ATOM	812	C3'	C B	8	-15.626	-35.966	97.928	1.00	0.00	C
ATOM	813	O3'	C B	8	-14.859	-36.692	98.885	1.00	0.00	O
ATOM	814	C4'	C B	8	-14.784	-34.941	97.171	1.00	0.00	C
ATOM	815	O4'	C B	8	-14.765	-33.769	98.048	1.00	0.00	O
ATOM	816	C5'	C B	8	-15.298	-34.520	95.815	1.00	0.00	C
ATOM	817	O5'	C B	8	-16.747	-34.454	95.837	1.00	0.00	O
ATOM	818	O1P	C B	8	-17.438	-36.293	94.264	1.00	0.00	O
ATOM	819	O2P	C B	8	-18.933	-34.308	94.609	1.00	0.00	O
ATOM	820	P	C B	8	-17.553	-34.843	94.520	1.00	0.00	P
ATOM	821	H5	C B	8	-19.023	-31.067	97.147	1.00	0.00	H
ATOM	822	H6	C B	8	-17.734	-33.175	97.232	1.00	0.00	H
ATOM	823	H1'	C B	8	-15.377	-33.937	99.982	1.00	0.00	H
ATOM	824	H3'	C B	8	-16.105	-36.665	97.243	1.00	0.00	H
ATOM	825	H4'	C B	8	-13.799	-35.384	97.028	1.00	0.00	H
ATOM	826	H41	C B	8	-19.317	-28.890	98.183	1.00	0.00	H
ATOM	827	H42	C B	8	-18.373	-28.365	99.604	1.00	0.00	H
ATOM	828	H2'1	C B	8	-17.496	-34.870	98.022	1.00	0.00	H
ATOM	829	H2'2	C B	8	-17.019	-35.594	99.551	1.00	0.00	H
ATOM	830	H5'1	C B	8	-14.889	-33.541	95.564	1.00	0.00	H
ATOM	831	H5'2	C B	8	-14.974	-35.244	95.069	1.00	0.00	H
ATOM	832	C1'	T B	9	-15.812	-34.308	103.916	1.00	0.00	C
ATOM	833	N1	T B	9	-16.923	-33.594	103.232	1.00	0.00	N
ATOM	834	C2	T B	9	-17.244	-32.335	103.696	1.00	0.00	C
ATOM	835	O2	T B	9	-16.661	-31.807	104.626	1.00	0.00	O
ATOM	836	N3	T B	9	-18.281	-31.708	103.031	1.00	0.00	N



ATOM	837	C4	T B	9	-19.006	-32.217	101.975	1.00	0.00	C
ATOM	838	O4	T B	9	-19.920	-31.560	101.460	1.00	0.00	O
ATOM	839	C5	T B	9	-18.598	-33.538	101.559	1.00	0.00	C
ATOM	840	C6	T B	9	-17.590	-34.178	102.184	1.00	0.00	C
ATOM	841	C7	T B	9	-19.358	-34.128	100.410	1.00	0.00	C
ATOM	842	C2'	T B	9	-16.044	-35.808	104.066	1.00	0.00	C
ATOM	843	C3'	T B	9	-14.639	-36.364	103.891	1.00	0.00	C
ATOM	844	O3'	T B	9	-13.958	-36.315	105.142	1.00	0.00	O
ATOM	845	C4'	T B	9	-14.026	-35.421	102.859	1.00	0.00	C
ATOM	846	O4'	T B	9	-14.640	-34.124	103.147	1.00	0.00	O
ATOM	847	C5'	T B	9	-14.270	-35.761	101.407	1.00	0.00	C
ATOM	848	O5'	T B	9	-15.605	-36.305	101.250	1.00	0.00	O
ATOM	849	O1P	T B	9	-15.186	-38.688	100.558	1.00	0.00	O
ATOM	850	O2P	T B	9	-17.300	-37.531	99.859	1.00	0.00	O
ATOM	851	P	T B	9	-15.850	-37.433	100.150	1.00	0.00	P
ATOM	852	H3	T B	9	-18.538	-30.766	103.357	1.00	0.00	H
ATOM	853	H6	T B	9	-17.300	-35.175	101.852	1.00	0.00	H
ATOM	854	H1'	T B	9	-15.652	-33.840	104.888	1.00	0.00	H
ATOM	855	H3'	T B	9	-14.653	-37.391	103.526	1.00	0.00	H
ATOM	856	H4'	T B	9	-12.947	-35.428	103.026	1.00	0.00	H
ATOM	857	H71	T B	9	-19.916	-35.000	100.753	1.00	0.00	H
ATOM	858	H72	T B	9	-20.052	-33.387	100.012	1.00	0.00	H
ATOM	859	H73	T B	9	-18.660	-34.430	99.628	1.00	0.00	H
ATOM	860	H2'1	T B	9	-16.724	-36.197	103.309	1.00	0.00	H
ATOM	861	H2'2	T B	9	-16.457	-36.066	105.041	1.00	0.00	H
ATOM	862	H5'1	T B	9	-14.167	-34.859	100.805	1.00	0.00	H
ATOM	863	H5'2	T B	9	-13.534	-36.495	101.084	1.00	0.00	H
ATOM	864	C1'	A B	10	-17.013	-32.879	108.515	1.00	0.00	C
ATOM	865	N1	A B	10	-20.966	-30.595	106.171	1.00	0.00	N
ATOM	866	C2	A B	10	-20.150	-30.203	107.146	1.00	0.00	C
ATOM	867	N3	A B	10	-19.145	-30.843	107.703	1.00	0.00	N
ATOM	868	C4	A B	10	-19.002	-32.060	107.147	1.00	0.00	C
ATOM	869	C5	A B	10	-19.751	-32.611	106.145	1.00	0.00	C
ATOM	870	C6	A B	10	-20.798	-31.815	105.635	1.00	0.00	C
ATOM	871	N6	A B	10	-21.617	-32.223	104.650	1.00	0.00	N
ATOM	872	N7	A B	10	-19.308	-33.883	105.831	1.00	0.00	N
ATOM	873	C8	A B	10	-18.312	-34.076	106.645	1.00	0.00	C
ATOM	874	N9	A B	10	-18.065	-33.011	107.472	1.00	0.00	N
ATOM	875	C2'	A B	10	-16.745	-34.167	109.282	1.00	0.00	C
ATOM	876	C3'	A B	10	-15.245	-34.087	109.522	1.00	0.00	C
ATOM	877	O3'	A B	10	-14.998	-33.304	110.686	1.00	0.00	O
ATOM	878	C4'	A B	10	-14.734	-33.410	108.251	1.00	0.00	C
ATOM	879	O4'	A B	10	-15.813	-32.497	107.870	1.00	0.00	O
ATOM	880	C5'	A B	10	-14.432	-34.317	107.082	1.00	0.00	C
ATOM	881	O5'	A B	10	-15.397	-35.399	107.038	1.00	0.00	O
ATOM	882	O1P	A B	10	-14.005	-37.441	107.515	1.00	0.00	O
ATOM	883	O2P	A B	10	-16.106	-37.643	106.159	1.00	0.00	O
ATOM	884	P	A B	10	-14.920	-36.833	106.530	1.00	0.00	P
ATOM	885	H2	A B	10	-20.343	-29.206	107.539	1.00	0.00	H
ATOM	886	H8	A B	10	-17.729	-34.997	106.668	1.00	0.00	H
ATOM	887	H1'	A B	10	-17.301	-32.075	109.191	1.00	0.00	H
ATOM	888	H3'	A B	10	-14.800	-35.074	109.648	1.00	0.00	H
ATOM	889	H4'	A B	10	-13.812	-32.893	108.518	1.00	0.00	H
ATOM	890	H61	A B	10	-22.363	-31.601	104.312	1.00	0.00	H

ATOM	891	H62	A B	10	-21.496	-33.157	104.234	1.00	0.00	H
ATOM	892	H2'1	A B	10	-17.008	-35.054	108.707	1.00	0.00	H
ATOM	893	H2'2	A B	10	-17.295	-34.210	110.223	1.00	0.00	H
ATOM	894	H5'1	A B	10	-14.484	-33.741	106.159	1.00	0.00	H
ATOM	895	H5'2	A B	10	-13.429	-34.724	107.195	1.00	0.00	H
ATOM	896	C1'	G B	11	-19.865	-30.549	111.843	1.00	0.00	C
ATOM	897	N1	G B	11	-23.526	-31.215	108.354	1.00	0.00	N
ATOM	898	C2	G B	11	-23.236	-30.112	109.137	1.00	0.00	C
ATOM	899	N2	G B	11	-24.028	-29.046	108.970	1.00	0.00	N
ATOM	900	N3	G B	11	-22.236	-30.076	110.017	1.00	0.00	N
ATOM	901	C4	G B	11	-21.543	-31.245	110.059	1.00	0.00	C
ATOM	902	C5	G B	11	-21.763	-32.395	109.321	1.00	0.00	C
ATOM	903	C6	G B	11	-22.822	-32.434	108.385	1.00	0.00	C
ATOM	904	O6	G B	11	-23.171	-33.354	107.644	1.00	0.00	O
ATOM	905	N7	G B	11	-20.829	-33.375	109.665	1.00	0.00	N
ATOM	906	C8	G B	11	-20.089	-32.799	110.578	1.00	0.00	C
ATOM	907	N9	G B	11	-20.462	-31.504	110.873	1.00	0.00	N
ATOM	908	C2'	G B	11	-19.393	-31.202	113.135	1.00	0.00	C
ATOM	909	C3'	G B	11	-18.150	-30.392	113.465	1.00	0.00	C
ATOM	910	O3'	G B	11	-18.534	-29.212	114.168	1.00	0.00	O
ATOM	911	C4'	G B	11	-17.571	-30.081	112.088	1.00	0.00	C
ATOM	912	O4'	G B	11	-18.746	-29.947	111.225	1.00	0.00	O
ATOM	913	C5'	G B	11	-16.652	-31.124	111.495	1.00	0.00	C
ATOM	914	O5'	G B	11	-17.121	-32.449	111.847	1.00	0.00	O
ATOM	915	O1P	G B	11	-15.299	-33.335	113.339	1.00	0.00	O
ATOM	916	O2P	G B	11	-16.718	-34.922	112.012	1.00	0.00	O
ATOM	917	P	G B	11	-16.049	-33.602	112.097	1.00	0.00	P
ATOM	918	H1	G B	11	-24.318	-31.138	107.699	1.00	0.00	H
ATOM	919	H8	G B	11	-19.253	-33.300	111.063	1.00	0.00	H
ATOM	920	H1'	G B	11	-20.597	-29.766	112.047	1.00	0.00	H
ATOM	921	H21	G B	11	-24.798	-29.079	108.286	1.00	0.00	H
ATOM	922	H3'	G B	11	-17.442	-30.958	114.071	1.00	0.00	H
ATOM	923	H22	G B	11	-23.867	-28.193	109.525	1.00	0.00	H
ATOM	924	H4'	G B	11	-17.005	-29.154	112.183	1.00	0.00	H
ATOM	925	H2'1	G B	11	-19.155	-32.258	113.001	1.00	0.00	H
ATOM	926	H2'2	G B	11	-20.136	-31.133	113.930	1.00	0.00	H
ATOM	927	H5'1	G B	11	-16.639	-31.014	110.411	1.00	0.00	H
ATOM	928	H5'2	G B	11	-15.645	-30.974	111.883	1.00	0.00	H
ATOM	929	C1'	G B	12	-24.124	-28.643	113.504	1.00	0.00	C
ATOM	930	N1	G B	12	-26.223	-32.020	110.306	1.00	0.00	N
ATOM	931	C2	G B	12	-26.557	-30.698	110.548	1.00	0.00	C
ATOM	932	N2	G B	12	-27.590	-30.213	109.847	1.00	0.00	N
ATOM	933	N3	G B	12	-25.914	-29.925	111.420	1.00	0.00	N
ATOM	934	C4	G B	12	-24.902	-30.581	112.045	1.00	0.00	C
ATOM	935	C5	G B	12	-24.499	-31.894	111.872	1.00	0.00	C
ATOM	936	C6	G B	12	-25.180	-32.716	110.945	1.00	0.00	C
ATOM	937	O6	G B	12	-24.973	-33.895	110.654	1.00	0.00	O
ATOM	938	N7	G B	12	-23.418	-32.182	112.707	1.00	0.00	N
ATOM	939	C8	G B	12	-23.202	-31.061	113.344	1.00	0.00	C
ATOM	940	N9	G B	12	-24.064	-30.041	112.996	1.00	0.00	N
ATOM	941	C2'	G B	12	-23.830	-28.518	114.992	1.00	0.00	C
ATOM	942	C3'	G B	12	-23.084	-27.194	115.058	1.00	0.00	C
ATOM	943	O3'	G B	12	-24.028	-26.127	115.123	1.00	0.00	O
ATOM	944	C4'	G B	12	-22.292	-27.185	113.752	1.00	0.00	C

ATOM	945	O4'	G B	12	-23.156	-27.887	112.802	1.00	0.00	O
ATOM	946	C5'	G B	12	-20.946	-27.869	113.778	1.00	0.00	C
ATOM	947	O5'	G B	12	-21.008	-29.041	114.628	1.00	0.00	O
ATOM	948	O1P	G B	12	-19.477	-28.458	116.538	1.00	0.00	O
ATOM	949	O2P	G B	12	-19.839	-30.860	115.909	1.00	0.00	O
ATOM	950	P	G B	12	-19.716	-29.448	115.470	1.00	0.00	P
ATOM	951	H1	G B	12	-26.782	-32.531	109.606	1.00	0.00	H
ATOM	952	H8	G B	12	-22.412	-30.940	114.085	1.00	0.00	H
ATOM	953	H1'	G B	12	-25.106	-28.235	113.263	1.00	0.00	H
ATOM	954	H21	G B	12	-28.081	-30.818	109.171	1.00	0.00	H
ATOM	955	H3'	G B	12	-22.420	-27.141	115.921	1.00	0.00	H
ATOM	956	H22	G B	12	-27.890	-29.239	109.982	1.00	0.00	H
ATOM	957	H4'	G B	12	-22.129	-26.141	113.487	1.00	0.00	H
ATOM	958	H2'1	G B	12	-23.216	-29.338	115.362	1.00	0.00	H
ATOM	959	H2'2	G B	12	-24.738	-28.491	115.593	1.00	0.00	H
ATOM	960	H5'1	G B	12	-20.674	-28.163	112.764	1.00	0.00	H
ATOM	961	H5'2	G B	12	-20.199	-27.175	114.163	1.00	0.00	H
ATOM	962	C1'	T B	13	-29.055	-28.268	113.712	1.00	0.00	C
ATOM	963	N1	T B	13	-28.399	-29.593	113.862	1.00	0.00	N
ATOM	964	C2	T B	13	-28.860	-30.621	113.062	1.00	0.00	C
ATOM	965	O2	T B	13	-29.766	-30.474	112.259	1.00	0.00	O
ATOM	966	N3	T B	13	-28.221	-31.834	113.234	1.00	0.00	N
ATOM	967	C4	T B	13	-27.194	-32.106	114.112	1.00	0.00	C
ATOM	968	O4	T B	13	-26.701	-33.237	114.180	1.00	0.00	O
ATOM	969	C5	T B	13	-26.779	-30.972	114.905	1.00	0.00	C
ATOM	970	C6	T B	13	-27.379	-29.772	114.763	1.00	0.00	C
ATOM	971	C7	T B	13	-25.661	-31.220	115.873	1.00	0.00	C
ATOM	972	C2'	T B	13	-29.228	-27.515	115.027	1.00	0.00	C
ATOM	973	C3'	T B	13	-29.015	-26.073	114.596	1.00	0.00	C
ATOM	974	O3'	T B	13	-30.243	-25.546	114.098	1.00	0.00	O
ATOM	975	C4'	T B	13	-27.955	-26.197	113.504	1.00	0.00	C
ATOM	976	O4'	T B	13	-28.247	-27.479	112.862	1.00	0.00	O
ATOM	977	C5'	T B	13	-26.515	-26.203	113.963	1.00	0.00	C
ATOM	978	O5'	T B	13	-26.405	-26.913	115.223	1.00	0.00	O
ATOM	979	O1P	T B	13	-25.727	-25.116	116.847	1.00	0.00	O
ATOM	980	O2P	T B	13	-25.082	-27.503	117.275	1.00	0.00	O
ATOM	981	P	T B	13	-25.327	-26.423	116.288	1.00	0.00	P
ATOM	982	H3	T B	13	-28.546	-32.615	112.645	1.00	0.00	H
ATOM	983	H6	T B	13	-27.049	-28.932	115.374	1.00	0.00	H
ATOM	984	H1'	T B	13	-30.016	-28.415	113.218	1.00	0.00	H
ATOM	985	H3'	T B	13	-28.662	-25.450	115.418	1.00	0.00	H
ATOM	986	H4'	T B	13	-28.086	-25.345	112.836	1.00	0.00	H
ATOM	987	H71	T B	13	-26.031	-31.110	116.892	1.00	0.00	H
ATOM	988	H72	T B	13	-25.277	-32.231	115.733	1.00	0.00	H
ATOM	989	H73	T B	13	-24.860	-30.500	115.698	1.00	0.00	H
ATOM	990	H2'1	T B	13	-28.498	-27.819	115.774	1.00	0.00	H
ATOM	991	H2'2	T B	13	-30.219	-27.658	115.458	1.00	0.00	H
ATOM	992	H5'1	T B	13	-25.900	-26.693	113.208	1.00	0.00	H
ATOM	993	H5'2	T B	13	-26.176	-25.176	114.090	1.00	0.00	H
ATOM	994	C1'	G B	14	-33.667	-30.036	113.208	1.00	0.00	C
ATOM	995	N1	G B	14	-31.424	-34.557	113.956	1.00	0.00	N
ATOM	996	C2	G B	14	-32.408	-34.193	113.055	1.00	0.00	C
ATOM	997	N2	G B	14	-32.856	-35.161	112.247	1.00	0.00	N
ATOM	998	N3	G B	14	-32.905	-32.960	112.967	1.00	0.00	N

ATOM	999	C4	G B	14	-32.341	-32.110	113.865	1.00	0.00	C
ATOM	1000	C5	G B	14	-31.361	-32.384	114.802	1.00	0.00	C
ATOM	1001	C6	G B	14	-30.829	-33.692	114.894	1.00	0.00	C
ATOM	1002	O6	G B	14	-29.962	-34.126	115.654	1.00	0.00	O
ATOM	1003	N7	G B	14	-31.057	-31.235	115.535	1.00	0.00	N
ATOM	1004	C8	G B	14	-31.844	-30.321	115.029	1.00	0.00	C
ATOM	1005	N9	G B	14	-32.657	-30.777	114.010	1.00	0.00	N
ATOM	1006	C2'	G B	14	-34.458	-29.012	114.011	1.00	0.00	C
ATOM	1007	C3'	G B	14	-34.655	-27.897	112.998	1.00	0.00	C
ATOM	1008	O3'	G B	14	-35.794	-28.191	112.193	1.00	0.00	O
ATOM	1009	C4'	G B	14	-33.356	-27.935	112.195	1.00	0.00	C
ATOM	1010	O4'	G B	14	-32.983	-29.349	112.179	1.00	0.00	O
ATOM	1011	C5'	G B	14	-32.201	-27.136	112.749	1.00	0.00	C
ATOM	1012	O5'	G B	14	-32.207	-27.204	114.197	1.00	0.00	O
ATOM	1013	O1P	G B	14	-32.694	-24.833	114.890	1.00	0.00	O
ATOM	1014	O2P	G B	14	-31.398	-26.345	116.416	1.00	0.00	O
ATOM	1015	P	G B	14	-31.720	-25.932	115.028	1.00	0.00	P
ATOM	1016	H1	G B	14	-31.102	-35.537	113.939	1.00	0.00	H
ATOM	1017	H8	G B	14	-31.858	-29.289	115.382	1.00	0.00	H
ATOM	1018	H1'	G B	14	-34.332	-30.764	112.740	1.00	0.00	H
ATOM	1019	H21	G B	14	-32.464	-36.112	112.319	1.00	0.00	H
ATOM	1020	H3'	G B	14	-34.792	-26.927	113.478	1.00	0.00	H
ATOM	1021	H22	G B	14	-33.591	-34.956	111.556	1.00	0.00	H
ATOM	1022	H4'	G B	14	-33.585	-27.544	111.203	1.00	0.00	H
ATOM	1023	H2'1	G B	14	-33.911	-28.661	114.886	1.00	0.00	H
ATOM	1024	H2'2	G B	14	-35.413	-29.406	114.359	1.00	0.00	H
ATOM	1025	H5'1	G B	14	-31.266	-27.545	112.366	1.00	0.00	H
ATOM	1026	H5'2	G B	14	-32.295	-26.099	112.428	1.00	0.00	H
ATOM	1027	C1'	C B	15	-37.067	-33.636	113.062	1.00	0.00	C
ATOM	1028	N1	C B	15	-36.122	-33.533	114.207	1.00	0.00	N
ATOM	1029	C2	C B	15	-35.409	-34.673	114.571	1.00	0.00	C
ATOM	1030	O2	C B	15	-35.589	-35.717	113.930	1.00	0.00	O
ATOM	1031	N3	C B	15	-34.543	-34.600	115.611	1.00	0.00	N
ATOM	1032	C4	C B	15	-34.372	-33.456	116.284	1.00	0.00	C
ATOM	1033	N4	C B	15	-33.511	-33.440	117.290	1.00	0.00	N
ATOM	1034	C5	C B	15	-35.096	-32.267	115.936	1.00	0.00	C
ATOM	1035	C6	C B	15	-35.957	-32.363	114.883	1.00	0.00	C
ATOM	1036	C2'	C B	15	-38.349	-32.837	113.250	1.00	0.00	C
ATOM	1037	C3'	C B	15	-38.634	-32.355	111.836	1.00	0.00	C
ATOM	1038	O3'	C B	15	-39.336	-33.372	111.125	1.00	0.00	O
ATOM	1039	C4'	C B	15	-37.235	-32.117	111.270	1.00	0.00	C
ATOM	1040	O4'	C B	15	-36.406	-33.138	111.913	1.00	0.00	O
ATOM	1041	C5'	C B	15	-36.623	-30.761	111.539	1.00	0.00	C
ATOM	1042	O5'	C B	15	-37.005	-30.305	112.862	1.00	0.00	O
ATOM	1043	O1P	C B	15	-38.449	-28.297	112.393	1.00	0.00	O
ATOM	1044	O2P	C B	15	-37.182	-28.455	114.554	1.00	0.00	O
ATOM	1045	P	C B	15	-37.232	-28.745	113.100	1.00	0.00	P
ATOM	1046	H5	C B	15	-34.963	-31.335	116.486	1.00	0.00	H
ATOM	1047	H6	C B	15	-36.525	-31.484	114.576	1.00	0.00	H
ATOM	1048	H1'	C B	15	-37.284	-34.691	112.893	1.00	0.00	H
ATOM	1049	H3'	C B	15	-39.221	-31.437	111.829	1.00	0.00	H
ATOM	1050	H4'	C B	15	-37.304	-32.242	110.190	1.00	0.00	H
ATOM	1051	H41	C B	15	-33.356	-32.571	117.824	1.00	0.00	H
ATOM	1052	H42	C B	15	-32.994	-34.296	117.541	1.00	0.00	H

ATOM	1053	H2'1	C	B	15	-38.219	-32.001	113.936	1.00	0.00	H
ATOM	1054	H2'2	C	B	15	-39.166	-33.450	113.633	1.00	0.00	H
ATOM	1055	H5'1	C	B	15	-35.538	-30.838	111.474	1.00	0.00	H
ATOM	1056	H5'2	C	B	15	-36.980	-30.054	110.790	1.00	0.00	H
ATOM	1057	C1'	G	B	16	-38.839	-38.125	114.168	1.00	0.00	C
ATOM	1058	N1	G	B	16	-35.747	-37.728	118.206	1.00	0.00	N
ATOM	1059	C2	G	B	16	-35.985	-38.807	117.372	1.00	0.00	C
ATOM	1060	N2	G	B	16	-35.311	-39.928	117.653	1.00	0.00	N
ATOM	1061	N3	G	B	16	-36.827	-38.768	116.341	1.00	0.00	N
ATOM	1062	C4	G	B	16	-37.427	-37.555	116.209	1.00	0.00	C
ATOM	1063	C5	G	B	16	-37.256	-36.427	116.994	1.00	0.00	C
ATOM	1064	C6	G	B	16	-36.358	-36.466	118.087	1.00	0.00	C
ATOM	1065	O6	G	B	16	-36.074	-35.576	118.889	1.00	0.00	O
ATOM	1066	N7	G	B	16	-38.060	-35.386	116.524	1.00	0.00	N
ATOM	1067	C8	G	B	16	-38.678	-35.903	115.493	1.00	0.00	C
ATOM	1068	N9	G	B	16	-38.346	-37.219	115.240	1.00	0.00	N
ATOM	1069	C2'	G	B	16	-40.317	-37.946	113.845	1.00	0.00	C
ATOM	1070	C3'	G	B	16	-40.344	-38.183	112.344	1.00	0.00	C
ATOM	1071	O3'	G	B	16	-40.428	-39.584	112.093	1.00	0.00	O
ATOM	1072	C4'	G	B	16	-39.013	-37.592	111.881	1.00	0.00	C
ATOM	1073	O4'	G	B	16	-38.099	-37.849	112.995	1.00	0.00	O
ATOM	1074	C5'	G	B	16	-39.005	-36.112	111.581	1.00	0.00	C
ATOM	1075	O5'	G	B	16	-39.869	-35.416	112.513	1.00	0.00	O
ATOM	1076	O1P	G	B	16	-41.723	-34.544	111.052	1.00	0.00	O
ATOM	1077	O2P	G	B	16	-41.131	-33.348	113.176	1.00	0.00	O
ATOM	1078	P	G	B	16	-40.675	-34.137	112.005	1.00	0.00	P
ATOM	1079	H1	G	B	16	-35.070	-37.860	118.973	1.00	0.00	H
ATOM	1080	H8	G	B	16	-39.390	-35.345	114.889	1.00	0.00	H
ATOM	1081	H1'	G	B	16	-38.626	-39.152	114.464	1.00	0.00	H
ATOM	1082	H21	G	B	16	-34.658	-39.949	118.451	1.00	0.00	H
ATOM	1083	H3'	G	B	16	-41.185	-37.679	111.866	1.00	0.00	H
ATOM	1084	H22	G	B	16	-35.445	-40.767	117.072	1.00	0.00	H
ATOM	1085	H4'	G	B	16	-38.733	-38.119	110.970	1.00	0.00	H
ATOM	1086	H2'1	G	B	16	-40.676	-36.948	114.096	1.00	0.00	H
ATOM	1087	H2'2	G	B	16	-40.945	-38.664	114.372	1.00	0.00	H
ATOM	1088	H5'1	G	B	16	-37.986	-35.735	111.670	1.00	0.00	H
ATOM	1089	H5'2	G	B	16	-39.358	-35.953	110.562	1.00	0.00	H
ATOM	1090	C1'	G	B	17	-39.189	-42.207	116.950	1.00	0.00	C
ATOM	1091	N1	G	B	17	-37.658	-39.099	120.695	1.00	0.00	N
ATOM	1092	C2	G	B	17	-37.273	-40.395	120.403	1.00	0.00	C
ATOM	1093	N2	G	B	17	-36.358	-40.935	121.218	1.00	0.00	N
ATOM	1094	N3	G	B	17	-37.758	-41.095	119.380	1.00	0.00	N
ATOM	1095	C4	G	B	17	-38.679	-40.395	118.666	1.00	0.00	C
ATOM	1096	C5	G	B	17	-39.127	-39.104	118.884	1.00	0.00	C
ATOM	1097	C6	G	B	17	-38.610	-38.359	119.967	1.00	0.00	C
ATOM	1098	O6	G	B	17	-38.880	-37.210	120.321	1.00	0.00	O
ATOM	1099	N7	G	B	17	-40.079	-38.754	117.923	1.00	0.00	N
ATOM	1100	C8	G	B	17	-40.172	-39.818	117.169	1.00	0.00	C
ATOM	1101	N9	G	B	17	-39.352	-40.858	117.557	1.00	0.00	N
ATOM	1102	C2'	G	B	17	-40.488	-42.807	116.430	1.00	0.00	C
ATOM	1103	C3'	G	B	17	-40.019	-43.557	115.193	1.00	0.00	C
ATOM	1104	O3'	G	B	17	-39.543	-44.845	115.578	1.00	0.00	O
ATOM	1105	C4'	G	B	17	-38.901	-42.664	114.658	1.00	0.00	C
ATOM	1106	O4'	G	B	17	-38.298	-42.084	115.859	1.00	0.00	O

ATOM	1107	C5'	G B	17	-39.320	-41.542	113.738	1.00	0.00	C
ATOM	1108	O5'	G B	17	-40.591	-40.999	114.174	1.00	0.00	O
ATOM	1109	O1P	G B	17	-42.154	-41.598	112.294	1.00	0.00	O
ATOM	1110	O2P	G B	17	-42.620	-39.586	113.720	1.00	0.00	O
ATOM	1111	P	G B	17	-41.616	-40.466	113.074	1.00	0.00	P
ATOM	1112	H1	G B	17	-37.217	-38.642	121.508	1.00	0.00	H
ATOM	1113	H8	G B	17	-40.838	-39.880	116.309	1.00	0.00	H
ATOM	1114	H1'	G B	17	-38.726	-42.860	117.689	1.00	0.00	H
ATOM	1115	H21	G B	17	-35.983	-40.386	122.006	1.00	0.00	H
ATOM	1116	H3'	G B	17	-40.815	-43.672	114.458	1.00	0.00	H
ATOM	1117	H22	G B	17	-36.030	-41.898	121.056	1.00	0.00	H
ATOM	1118	H4'	G B	17	-38.217	-43.308	114.107	1.00	0.00	H
ATOM	1119	H2'1	G B	17	-41.223	-42.044	116.176	1.00	0.00	H
ATOM	1120	H2'2	G B	17	-40.950	-43.480	117.151	1.00	0.00	H
ATOM	1121	H5'1	G B	17	-38.560	-40.762	113.757	1.00	0.00	H
ATOM	1122	H5'2	G B	17	-39.412	-41.928	112.723	1.00	0.00	H
ATOM	1123	C1'	C B	18	-38.861	-44.738	121.195	1.00	0.00	C
ATOM	1124	N1	C B	18	-39.635	-43.468	121.128	1.00	0.00	N
ATOM	1125	C2	C B	18	-39.359	-42.486	122.076	1.00	0.00	C
ATOM	1126	O2	C B	18	-38.489	-42.705	122.929	1.00	0.00	O
ATOM	1127	N3	C B	18	-40.054	-41.324	122.033	1.00	0.00	N
ATOM	1128	C4	C B	18	-40.990	-41.115	121.097	1.00	0.00	C
ATOM	1129	N4	C B	18	-41.637	-39.959	121.100	1.00	0.00	N
ATOM	1130	C5	C B	18	-41.295	-42.110	120.113	1.00	0.00	C
ATOM	1131	C6	C B	18	-40.582	-43.271	120.173	1.00	0.00	C
ATOM	1132	C2'	C B	18	-39.682	-45.977	120.864	1.00	0.00	C
ATOM	1133	C3'	C B	18	-38.668	-46.845	120.135	1.00	0.00	C
ATOM	1134	O3'	C B	18	-37.900	-47.571	121.093	1.00	0.00	O
ATOM	1135	C4'	C B	18	-37.826	-45.820	119.379	1.00	0.00	C
ATOM	1136	O4'	C B	18	-37.806	-44.648	120.255	1.00	0.00	O
ATOM	1137	C5'	C B	18	-38.339	-45.399	118.022	1.00	0.00	C
ATOM	1138	O5'	C B	18	-39.787	-45.333	118.046	1.00	0.00	O
ATOM	1139	O1P	C B	18	-40.480	-47.172	116.471	1.00	0.00	O
ATOM	1140	O2P	C B	18	-41.975	-45.186	116.817	1.00	0.00	O
ATOM	1141	P	C B	18	-40.595	-45.722	116.726	1.00	0.00	P
ATOM	1142	H5	C B	18	-42.059	-41.946	119.351	1.00	0.00	H
ATOM	1143	H6	C B	18	-40.778	-44.054	119.443	1.00	0.00	H
ATOM	1144	H1'	C B	18	-38.419	-44.816	122.188	1.00	0.00	H
ATOM	1145	H3'	C B	18	-39.146	-47.544	119.450	1.00	0.00	H
ATOM	1146	H4'	C B	18	-36.840	-46.263	119.237	1.00	0.00	H
ATOM	1147	H41	C B	18	-42.361	-39.772	120.390	1.00	0.00	H
ATOM	1148	H42	C B	18	-41.416	-39.247	121.810	1.00	0.00	H
ATOM	1149	H2'1	C B	18	-40.537	-45.748	120.229	1.00	0.00	H
ATOM	1150	H2'2	C B	18	-40.061	-46.472	121.758	1.00	0.00	H
ATOM	1151	H5'1	C B	18	-37.931	-44.420	117.772	1.00	0.00	H
ATOM	1152	H5'2	C B	18	-38.016	-46.123	117.276	1.00	0.00	H
ATOM	1153	C1'	C B	19	-38.862	-45.166	126.129	1.00	0.00	C
ATOM	1154	N1	C B	19	-39.975	-44.469	125.430	1.00	0.00	N
ATOM	1155	C2	C B	19	-40.327	-43.194	125.870	1.00	0.00	C
ATOM	1156	O2	C B	19	-39.704	-42.696	126.816	1.00	0.00	O
ATOM	1157	N3	C B	19	-41.338	-42.544	125.246	1.00	0.00	N
ATOM	1158	C4	C B	19	-41.993	-43.110	124.223	1.00	0.00	C
ATOM	1159	N4	C B	19	-42.972	-42.430	123.650	1.00	0.00	N
ATOM	1160	C5	C B	19	-41.653	-44.418	123.753	1.00	0.00	C

ATOM	1161	C6	C B	19	-40.632	-45.053	124.394	1.00	0.00	C
ATOM	1162	C2'	C B	19	-39.083	-46.662	126.295	1.00	0.00	C
ATOM	1163	C3'	C B	19	-37.672	-47.210	126.133	1.00	0.00	C
ATOM	1164	O3'	C B	19	-36.996	-47.140	127.386	1.00	0.00	O
ATOM	1165	C4'	C B	19	-37.061	-46.274	125.094	1.00	0.00	C
ATOM	1166	O4'	C B	19	-37.688	-44.979	125.361	1.00	0.00	O
ATOM	1167	C5'	C B	19	-37.296	-46.633	123.645	1.00	0.00	C
ATOM	1168	O5'	C B	19	-38.624	-47.191	123.487	1.00	0.00	O
ATOM	1169	O1P	C B	19	-38.179	-49.577	122.825	1.00	0.00	O
ATOM	1170	O2P	C B	19	-40.301	-48.448	122.101	1.00	0.00	O
ATOM	1171	P	C B	19	-38.852	-48.334	122.400	1.00	0.00	P
ATOM	1172	H5	C B	19	-42.184	-44.884	122.923	1.00	0.00	H
ATOM	1173	H6	C B	19	-40.336	-46.051	124.069	1.00	0.00	H
ATOM	1174	H1'	C B	19	-38.711	-44.683	127.095	1.00	0.00	H
ATOM	1175	H3'	C B	19	-37.674	-48.241	125.780	1.00	0.00	H
ATOM	1176	H4'	C B	19	-35.984	-46.269	125.265	1.00	0.00	H
ATOM	1177	H41	C B	19	-43.493	-42.839	122.860	1.00	0.00	H
ATOM	1178	H42	C B	19	-43.215	-41.487	123.991	1.00	0.00	H
ATOM	1179	H2'1	C B	19	-39.754	-47.069	125.539	1.00	0.00	H
ATOM	1180	H2'2	C B	19	-39.497	-46.914	127.271	1.00	0.00	H
ATOM	1181	H5'1	C B	19	-37.195	-45.737	123.033	1.00	0.00	H
ATOM	1182	H5'2	C B	19	-36.550	-47.364	123.334	1.00	0.00	H
ATOM	1183	C1'	T B	20	-40.055	-43.758	130.722	1.00	0.00	C
ATOM	1184	N1	T B	20	-41.110	-43.890	129.682	1.00	0.00	N
ATOM	1185	C2	T B	20	-41.959	-42.816	129.507	1.00	0.00	C
ATOM	1186	O2	T B	20	-41.872	-41.792	130.163	1.00	0.00	O
ATOM	1187	N3	T B	20	-42.923	-42.981	128.531	1.00	0.00	N
ATOM	1188	C4	T B	20	-43.107	-44.092	127.738	1.00	0.00	C
ATOM	1189	O4	T B	20	-44.012	-44.124	126.893	1.00	0.00	O
ATOM	1190	C5	T B	20	-42.173	-45.162	127.992	1.00	0.00	C
ATOM	1191	C6	T B	20	-41.220	-45.037	128.936	1.00	0.00	C
ATOM	1192	C7	T B	20	-42.336	-46.392	127.150	1.00	0.00	C
ATOM	1193	C2'	T B	20	-39.789	-45.047	131.491	1.00	0.00	C
ATOM	1194	C3'	T B	20	-38.287	-44.971	131.728	1.00	0.00	C
ATOM	1195	O3'	T B	20	-38.035	-44.187	132.892	1.00	0.00	O
ATOM	1196	C4'	T B	20	-37.778	-44.297	130.456	1.00	0.00	C
ATOM	1197	O4'	T B	20	-38.855	-43.382	130.075	1.00	0.00	O
ATOM	1198	C5'	T B	20	-37.481	-45.206	129.286	1.00	0.00	C
ATOM	1199	O5'	T B	20	-38.450	-46.286	129.246	1.00	0.00	O
ATOM	1200	O1P	T B	20	-37.063	-48.330	129.724	1.00	0.00	O
ATOM	1201	O2P	T B	20	-39.167	-48.529	128.372	1.00	0.00	O
ATOM	1202	P	T B	20	-37.978	-47.721	128.739	1.00	0.00	P
ATOM	1203	H3	T B	20	-43.569	-42.194	128.381	1.00	0.00	H
ATOM	1204	H6	T B	20	-40.525	-45.859	129.110	1.00	0.00	H
ATOM	1205	H1'	T B	20	-40.339	-42.952	131.397	1.00	0.00	H
ATOM	1206	H3'	T B	20	-37.845	-45.958	131.855	1.00	0.00	H
ATOM	1207	H4'	T B	20	-36.853	-43.782	130.719	1.00	0.00	H
ATOM	1208	H3T	T B	20	-38.509	-44.463	133.679	1.00	0.00	H
ATOM	1209	H71	T B	20	-42.631	-47.229	127.782	1.00	0.00	H
ATOM	1210	H72	T B	20	-43.105	-46.217	126.395	1.00	0.00	H
ATOM	1211	H73	T B	20	-41.392	-46.624	126.657	1.00	0.00	H
ATOM	1212	H2'1	T B	20	-40.056	-45.933	130.919	1.00	0.00	H
ATOM	1213	H2'2	T B	20	-40.337	-45.086	132.433	1.00	0.00	H
ATOM	1214	H5'1	T B	20	-37.533	-44.631	128.362	1.00	0.00	H

ATOM	1215	H5'2	T B	20	-36.479	-45.616	129.398	1.00	0.00	H
TER										
ATOM	1	C1'	A A	1	-9.917	-55.065	132.121	1.00	0.00	C
ATOM	2	N1	A A	1	-10.333	-59.200	129.110	1.00	0.00	N
ATOM	3	C2	A A	1	-9.296	-58.634	129.720	1.00	0.00	C
ATOM	4	N3	A A	1	-9.260	-57.566	130.488	1.00	0.00	N
ATOM	5	C4	A A	1	-10.490	-57.036	130.610	1.00	0.00	C
ATOM	6	C5	A A	1	-11.650	-57.492	130.050	1.00	0.00	C
ATOM	7	C6	A A	1	-11.549	-58.650	129.250	1.00	0.00	C
ATOM	8	N6	A A	1	-12.604	-59.213	128.636	1.00	0.00	N
ATOM	9	N7	A A	1	-12.722	-56.690	130.399	1.00	0.00	N
ATOM	10	C8	A A	1	-12.191	-55.772	131.152	1.00	0.00	C
ATOM	11	N9	A A	1	-10.840	-55.919	131.327	1.00	0.00	N
ATOM	12	C2'	A A	1	-10.242	-53.580	132.051	1.00	0.00	C
ATOM	13	C3'	A A	1	-9.890	-53.113	133.454	1.00	0.00	C
ATOM	14	O3'	A A	1	-8.493	-52.835	133.519	1.00	0.00	O
ATOM	15	C4'	A A	1	-10.282	-54.309	134.321	1.00	0.00	C
ATOM	16	O4'	A A	1	-10.010	-55.471	133.473	1.00	0.00	O
ATOM	17	C5'	A A	1	-11.721	-54.366	134.772	1.00	0.00	C
ATOM	18	O5'	A A	1	-12.587	-53.864	133.723	1.00	0.00	O
ATOM	19	H2	A A	1	-8.338	-59.127	129.563	1.00	0.00	H
ATOM	20	H8	A A	1	-12.767	-54.964	131.604	1.00	0.00	H
ATOM	21	H1'	A A	1	-8.899	-55.259	131.783	1.00	0.00	H
ATOM	22	H3'	A A	1	-10.449	-52.220	133.741	1.00	0.00	H
ATOM	23	H4'	A A	1	-9.654	-54.274	135.210	1.00	0.00	H
ATOM	24	H61	A A	1	-12.476	-60.058	128.066	1.00	0.00	H
ATOM	25	H62	A A	1	-13.540	-58.796	128.741	1.00	0.00	H
ATOM	26	H5T	A A	1	-13.381	-53.386	133.968	1.00	0.00	H
ATOM	27	H2'1	A A	1	-11.291	-53.396	131.824	1.00	0.00	H
ATOM	28	H2'2	A A	1	-9.646	-53.061	131.300	1.00	0.00	H
ATOM	29	H5'1	A A	1	-11.983	-55.399	135.002	1.00	0.00	H
ATOM	30	H5'2	A A	1	-11.840	-53.759	135.668	1.00	0.00	H
ATOM	31	C1'	G A	2	-6.168	-55.206	128.868	1.00	0.00	C
ATOM	32	N1	G A	2	-9.431	-57.941	126.059	1.00	0.00	N
ATOM	33	C2	G A	2	-8.082	-58.134	126.290	1.00	0.00	C
ATOM	34	N2	G A	2	-7.527	-59.195	125.692	1.00	0.00	N
ATOM	35	N3	G A	2	-7.344	-57.333	127.057	1.00	0.00	N
ATOM	36	C4	G A	2	-8.068	-56.306	127.577	1.00	0.00	C
ATOM	37	C5	G A	2	-9.414	-56.033	127.400	1.00	0.00	C
ATOM	38	C6	G A	2	-10.198	-56.887	126.588	1.00	0.00	C
ATOM	39	O6	G A	2	-11.396	-56.813	126.315	1.00	0.00	O
ATOM	40	N7	G A	2	-9.770	-54.882	128.106	1.00	0.00	N
ATOM	41	C8	G A	2	-8.656	-54.505	128.677	1.00	0.00	C
ATOM	42	N9	G A	2	-7.576	-55.319	128.403	1.00	0.00	N
ATOM	43	C2'	G A	2	-5.661	-53.772	128.950	1.00	0.00	C
ATOM	44	C3'	G A	2	-4.756	-53.823	130.169	1.00	0.00	C
ATOM	45	O3'	G A	2	-3.467	-54.289	129.777	1.00	0.00	O
ATOM	46	C4'	G A	2	-5.474	-54.814	131.084	1.00	0.00	C
ATOM	47	O4'	G A	2	-6.095	-55.767	130.165	1.00	0.00	O
ATOM	48	C5'	G A	2	-6.544	-54.242	131.984	1.00	0.00	C
ATOM	49	O5'	G A	2	-7.254	-53.186	131.291	1.00	0.00	O
ATOM	50	O1P	G A	2	-6.652	-51.123	132.603	1.00	0.00	O
ATOM	51	O2P	G A	2	-8.823	-51.224	131.349	1.00	0.00	O
ATOM	52	P	G A	2	-7.787	-51.940	132.134	1.00	0.00	P



ATOM	53	H1	G A	2	-9.910	-58.621	125.453	1.00	0.00	H
ATOM	54	H8	G A	2	-8.586	-53.624	129.315	1.00	0.00	H
ATOM	55	H1'	G A	2	-5.540	-55.804	128.208	1.00	0.00	H
ATOM	56	H21	G A	2	-8.104	-59.811	125.102	1.00	0.00	H
ATOM	57	H3'	G A	2	-4.659	-52.847	130.645	1.00	0.00	H
ATOM	58	H22	G A	2	-6.525	-59.392	125.823	1.00	0.00	H
ATOM	59	H4'	G A	2	-4.713	-55.267	131.718	1.00	0.00	H
ATOM	60	H2'1	G A	2	-6.471	-53.055	129.086	1.00	0.00	H
ATOM	61	H2'2	G A	2	-5.109	-53.477	128.056	1.00	0.00	H
ATOM	62	H5'1	G A	2	-7.239	-55.034	132.261	1.00	0.00	H
ATOM	63	H5'2	G A	2	-6.077	-53.845	132.885	1.00	0.00	H
ATOM	64	C1'	G A	3	-4.024	-56.497	124.595	1.00	0.00	C
ATOM	65	N1	G A	3	-8.832	-56.737	122.909	1.00	0.00	N
ATOM	66	C2	G A	3	-7.771	-57.595	122.688	1.00	0.00	C
ATOM	67	N2	G A	3	-8.023	-58.657	121.913	1.00	0.00	N
ATOM	68	N3	G A	3	-6.556	-57.408	123.199	1.00	0.00	N
ATOM	69	C4	G A	3	-6.480	-56.280	123.953	1.00	0.00	C
ATOM	70	C5	G A	3	-7.483	-55.366	124.226	1.00	0.00	C
ATOM	71	C6	G A	3	-8.775	-55.566	123.686	1.00	0.00	C
ATOM	72	O6	G A	3	-9.786	-54.874	123.814	1.00	0.00	O
ATOM	73	N7	G A	3	-6.995	-54.343	125.040	1.00	0.00	N
ATOM	74	C8	G A	3	-5.743	-54.663	125.234	1.00	0.00	C
ATOM	75	N9	G A	3	-5.354	-55.828	124.604	1.00	0.00	N
ATOM	76	C2'	G A	3	-2.850	-55.528	124.548	1.00	0.00	C
ATOM	77	C3'	G A	3	-1.819	-56.237	125.410	1.00	0.00	C
ATOM	78	O3'	G A	3	-1.111	-57.182	124.611	1.00	0.00	O
ATOM	79	C4'	G A	3	-2.675	-56.914	126.479	1.00	0.00	C
ATOM	80	O4'	G A	3	-3.915	-57.257	125.782	1.00	0.00	O
ATOM	81	C5'	G A	3	-3.018	-56.080	127.691	1.00	0.00	C
ATOM	82	O5'	G A	3	-3.233	-54.703	127.295	1.00	0.00	O
ATOM	83	O1P	G A	3	-1.335	-53.474	128.400	1.00	0.00	O
ATOM	84	O2P	G A	3	-3.485	-52.279	127.910	1.00	0.00	O
ATOM	85	P	G A	3	-2.804	-53.539	128.298	1.00	0.00	P
ATOM	86	H1	G A	3	-9.735	-56.975	122.470	1.00	0.00	H
ATOM	87	H8	G A	3	-5.064	-54.063	125.840	1.00	0.00	H
ATOM	88	H1'	G A	3	-3.995	-57.186	123.750	1.00	0.00	H
ATOM	89	H21	G A	3	-8.967	-58.796	121.522	1.00	0.00	H
ATOM	90	H3'	G A	3	-1.110	-55.540	125.858	1.00	0.00	H
ATOM	91	H22	G A	3	-7.274	-59.333	121.707	1.00	0.00	H
ATOM	92	H4'	G A	3	-2.123	-57.788	126.821	1.00	0.00	H
ATOM	93	H2'1	G A	3	-3.105	-54.551	124.958	1.00	0.00	H
ATOM	94	H2'2	G A	3	-2.482	-55.372	123.534	1.00	0.00	H
ATOM	95	H5'1	G A	3	-3.920	-56.476	128.154	1.00	0.00	H
ATOM	96	H5'2	G A	3	-2.196	-56.135	128.405	1.00	0.00	H
ATOM	97	C1'	C A	4	-4.062	-57.825	119.824	1.00	0.00	C
ATOM	98	N1	C A	4	-4.803	-56.616	120.278	1.00	0.00	N
ATOM	99	C2	C A	4	-6.144	-56.500	119.914	1.00	0.00	C
ATOM	100	O2	C A	4	-6.659	-57.397	119.234	1.00	0.00	O
ATOM	101	N3	C A	4	-6.837	-55.408	120.318	1.00	0.00	N
ATOM	102	C4	C A	4	-6.251	-54.453	121.052	1.00	0.00	C
ATOM	103	N4	C A	4	-6.977	-53.408	121.421	1.00	0.00	N
ATOM	104	C5	C A	4	-4.874	-54.547	121.437	1.00	0.00	C
ATOM	105	C6	C A	4	-4.196	-55.656	121.023	1.00	0.00	C
ATOM	106	C2'	C A	4	-2.618	-57.546	119.428	1.00	0.00	C

ATOM	107	C3'	C A	4	-1.911	-58.810	119.895	1.00	0.00	C
ATOM	108	O3'	C A	4	-2.027	-59.811	118.884	1.00	0.00	O
ATOM	109	C4'	C A	4	-2.677	-59.178	121.163	1.00	0.00	C
ATOM	110	O4'	C A	4	-4.050	-58.750	120.894	1.00	0.00	O
ATOM	111	C5'	C A	4	-2.209	-58.524	122.442	1.00	0.00	C
ATOM	112	O5'	C A	4	-1.784	-57.165	122.171	1.00	0.00	O
ATOM	113	O1P	C A	4	0.688	-57.223	122.639	1.00	0.00	O
ATOM	114	O2P	C A	4	-0.586	-55.078	122.896	1.00	0.00	O
ATOM	115	P	C A	4	-0.574	-56.557	123.013	1.00	0.00	P
ATOM	116	H5	C A	4	-4.392	-53.770	122.030	1.00	0.00	H
ATOM	117	H6	C A	4	-3.148	-55.774	121.296	1.00	0.00	H
ATOM	118	H1'	C A	4	-4.614	-58.273	118.999	1.00	0.00	H
ATOM	119	H3'	C A	4	-0.857	-58.632	120.107	1.00	0.00	H
ATOM	120	H4'	C A	4	-2.583	-60.257	121.287	1.00	0.00	H
ATOM	121	H41	C A	4	-6.551	-52.660	121.988	1.00	0.00	H
ATOM	122	H42	C A	4	-7.966	-53.342	121.142	1.00	0.00	H
ATOM	123	H2'1	C A	4	-2.216	-56.663	119.922	1.00	0.00	H
ATOM	124	H2'2	C A	4	-2.505	-57.400	118.352	1.00	0.00	H
ATOM	125	H5'1	C A	4	-3.028	-58.517	123.162	1.00	0.00	H
ATOM	126	H5'2	C A	4	-1.378	-59.096	122.853	1.00	0.00	H
ATOM	127	C1'	C A	5	-6.027	-58.042	115.283	1.00	0.00	C
ATOM	128	N1	C A	5	-5.889	-56.735	115.985	1.00	0.00	N
ATOM	129	C2	C A	5	-7.016	-55.923	116.076	1.00	0.00	C
ATOM	130	O2	C A	5	-8.079	-56.314	115.573	1.00	0.00	O
ATOM	131	N3	C A	5	-6.913	-54.731	116.712	1.00	0.00	N
ATOM	132	C4	C A	5	-5.751	-54.333	117.245	1.00	0.00	C
ATOM	133	N4	C A	5	-5.707	-53.161	117.858	1.00	0.00	N
ATOM	134	C5	C A	5	-4.575	-55.149	117.164	1.00	0.00	C
ATOM	135	C6	C A	5	-4.704	-56.345	116.523	1.00	0.00	C
ATOM	136	C2'	C A	5	-4.810	-58.422	114.452	1.00	0.00	C
ATOM	137	C3'	C A	5	-4.764	-59.931	114.631	1.00	0.00	C
ATOM	138	O3'	C A	5	-5.638	-60.541	113.684	1.00	0.00	O
ATOM	139	C4'	C A	5	-5.245	-60.118	116.067	1.00	0.00	C
ATOM	140	O4'	C A	5	-6.215	-59.042	116.266	1.00	0.00	O
ATOM	141	C5'	C A	5	-4.191	-60.026	117.146	1.00	0.00	C
ATOM	142	O5'	C A	5	-3.213	-59.015	116.791	1.00	0.00	O
ATOM	143	O1P	C A	5	-1.106	-60.343	116.436	1.00	0.00	O
ATOM	144	O2P	C A	5	-0.970	-57.942	117.151	1.00	0.00	O
ATOM	145	P	C A	5	-1.693	-59.236	117.215	1.00	0.00	P
ATOM	146	H5	C A	5	-3.625	-54.828	117.592	1.00	0.00	H
ATOM	147	H6	C A	5	-3.838	-57.003	116.440	1.00	0.00	H
ATOM	148	H1'	C A	5	-6.925	-58.004	114.667	1.00	0.00	H
ATOM	149	H3'	C A	5	-3.756	-60.328	114.497	1.00	0.00	H
ATOM	150	H4'	C A	5	-5.692	-61.111	116.124	1.00	0.00	H
ATOM	151	H41	C A	5	-4.825	-52.832	118.278	1.00	0.00	H
ATOM	152	H42	C A	5	-6.554	-52.576	117.913	1.00	0.00	H
ATOM	153	H2'1	C A	5	-3.897	-57.952	114.815	1.00	0.00	H
ATOM	154	H2'2	C A	5	-4.924	-58.149	113.401	1.00	0.00	H
ATOM	155	H5'1	C A	5	-4.668	-59.761	118.090	1.00	0.00	H
ATOM	156	H5'2	C A	5	-3.700	-60.993	117.250	1.00	0.00	H
ATOM	157	C1'	G A	6	-8.930	-56.422	111.612	1.00	0.00	C
ATOM	158	N1	G A	6	-8.333	-51.899	113.896	1.00	0.00	N
ATOM	159	C2	G A	6	-9.469	-52.478	113.357	1.00	0.00	C
ATOM	160	N2	G A	6	-10.592	-51.757	113.434	1.00	0.00	N

ATOM	161	N3	G A	6	-9.479	-53.683	112.787	1.00	0.00	N
ATOM	162	C4	G A	6	-8.253	-54.266	112.788	1.00	0.00	C
ATOM	163	C5	G A	6	-7.067	-53.763	113.298	1.00	0.00	C
ATOM	164	C6	G A	6	-7.055	-52.489	113.907	1.00	0.00	C
ATOM	165	O6	G A	6	-6.112	-51.878	114.411	1.00	0.00	O
ATOM	166	N7	G A	6	-6.030	-54.676	113.099	1.00	0.00	N
ATOM	167	C8	G A	6	-6.606	-55.682	112.493	1.00	0.00	C
ATOM	168	N9	G A	6	-7.956	-55.507	112.268	1.00	0.00	N
ATOM	169	C2'	G A	6	-8.356	-57.180	110.425	1.00	0.00	C
ATOM	170	C3'	G A	6	-9.056	-58.524	110.537	1.00	0.00	C
ATOM	171	O3'	G A	6	-10.332	-58.443	109.906	1.00	0.00	O
ATOM	172	C4'	G A	6	-9.170	-58.723	112.047	1.00	0.00	C
ATOM	173	O4'	G A	6	-9.348	-57.370	112.575	1.00	0.00	O
ATOM	174	C5'	G A	6	-7.984	-59.358	112.733	1.00	0.00	C
ATOM	175	O5'	G A	6	-6.756	-58.904	112.111	1.00	0.00	O
ATOM	176	O1P	G A	6	-5.825	-60.993	111.062	1.00	0.00	O
ATOM	177	O2P	G A	6	-4.279	-59.145	111.760	1.00	0.00	O
ATOM	178	P	G A	6	-5.523	-59.911	112.018	1.00	0.00	P
ATOM	179	H1	G A	6	-8.433	-50.964	114.322	1.00	0.00	H
ATOM	180	H8	G A	6	-6.069	-56.581	112.190	1.00	0.00	H
ATOM	181	H1'	G A	6	-9.803	-55.837	111.318	1.00	0.00	H
ATOM	182	H21	G A	6	-10.578	-50.828	113.880	1.00	0.00	H
ATOM	183	H3'	G A	6	-8.477	-59.327	110.077	1.00	0.00	H
ATOM	184	H22	G A	6	-11.472	-52.131	113.050	1.00	0.00	H
ATOM	185	H4'	G A	6	-10.035	-59.363	112.218	1.00	0.00	H
ATOM	186	H2'1	G A	6	-7.272	-57.291	110.489	1.00	0.00	H
ATOM	187	H2'2	G A	6	-8.579	-56.694	109.475	1.00	0.00	H
ATOM	188	H5'1	G A	6	-7.988	-59.082	113.785	1.00	0.00	H
ATOM	189	H5'2	G A	6	-8.060	-60.443	112.648	1.00	0.00	H
ATOM	190	C1'	C A	7	-11.425	-52.945	109.119	1.00	0.00	C
ATOM	191	N1	C A	7	-9.988	-52.750	109.454	1.00	0.00	N
ATOM	192	C2	C A	7	-9.624	-51.565	110.089	1.00	0.00	C
ATOM	193	O2	C A	7	-10.499	-50.728	110.345	1.00	0.00	O
ATOM	194	N3	C A	7	-8.320	-51.367	110.404	1.00	0.00	N
ATOM	195	C4	C A	7	-7.394	-52.289	110.113	1.00	0.00	C
ATOM	196	N4	C A	7	-6.134	-52.045	110.446	1.00	0.00	N
ATOM	197	C5	C A	7	-7.740	-53.516	109.457	1.00	0.00	C
ATOM	198	C6	C A	7	-9.060	-53.696	109.154	1.00	0.00	C
ATOM	199	C2'	C A	7	-11.655	-53.645	107.785	1.00	0.00	C
ATOM	200	C3'	C A	7	-12.888	-54.486	108.077	1.00	0.00	C
ATOM	201	O3'	C A	7	-14.054	-53.686	107.892	1.00	0.00	O
ATOM	202	C4'	C A	7	-12.688	-54.888	109.536	1.00	0.00	C
ATOM	203	O4'	C A	7	-12.000	-53.744	110.137	1.00	0.00	O
ATOM	204	C5'	C A	7	-11.863	-56.130	109.783	1.00	0.00	C
ATOM	205	O5'	C A	7	-10.789	-56.207	108.812	1.00	0.00	O
ATOM	206	O1P	C A	7	-11.372	-58.245	107.455	1.00	0.00	O
ATOM	207	O2P	C A	7	-8.979	-57.527	107.677	1.00	0.00	O
ATOM	208	P	C A	7	-10.319	-57.641	108.298	1.00	0.00	P
ATOM	209	H5	C A	7	-6.989	-54.268	109.212	1.00	0.00	H
ATOM	210	H6	C A	7	-9.373	-54.617	108.662	1.00	0.00	H
ATOM	211	H1'	C A	7	-11.916	-51.972	109.139	1.00	0.00	H
ATOM	212	H3'	C A	7	-12.945	-55.363	107.430	1.00	0.00	H
ATOM	213	H4'	C A	7	-13.679	-55.058	109.956	1.00	0.00	H
ATOM	214	H41	C A	7	-5.402	-52.739	110.236	1.00	0.00	H

ATOM	215	H42	C A	7	-5.886	-51.163	110.915	1.00	0.00	H
ATOM	216	H2'1	C A	7	-10.810	-54.267	107.494	1.00	0.00	H
ATOM	217	H2'2	C A	7	-11.837	-52.939	106.974	1.00	0.00	H
ATOM	218	H5'1	C A	7	-11.447	-56.091	110.791	1.00	0.00	H
ATOM	219	H5'2	C A	7	-12.503	-57.009	109.693	1.00	0.00	H
ATOM	220	C1'	A A	8	-12.341	-48.308	107.651	1.00	0.00	C
ATOM	221	N1	A A	8	-7.351	-47.620	108.641	1.00	0.00	N
ATOM	222	C2	A A	8	-8.428	-46.880	108.893	1.00	0.00	C
ATOM	223	N3	A A	8	-9.691	-47.119	108.613	1.00	0.00	N
ATOM	224	C4	A A	8	-9.811	-48.299	107.975	1.00	0.00	C
ATOM	225	C5	A A	8	-8.812	-49.170	107.643	1.00	0.00	C
ATOM	226	C6	A A	8	-7.503	-48.792	108.007	1.00	0.00	C
ATOM	227	N6	A A	8	-6.422	-49.547	107.746	1.00	0.00	N
ATOM	228	N7	A A	8	-9.316	-50.285	106.995	1.00	0.00	N
ATOM	229	C8	A A	8	-10.597	-50.063	106.945	1.00	0.00	C
ATOM	230	N9	A A	8	-10.972	-48.877	107.523	1.00	0.00	N
ATOM	231	C2'	A A	8	-13.228	-48.561	106.441	1.00	0.00	C
ATOM	232	C3'	A A	8	-14.592	-48.756	107.082	1.00	0.00	C
ATOM	233	O3'	A A	8	-15.194	-47.482	107.294	1.00	0.00	O
ATOM	234	C4'	A A	8	-14.253	-49.461	108.394	1.00	0.00	C
ATOM	235	O4'	A A	8	-12.953	-48.907	108.777	1.00	0.00	O
ATOM	236	C5'	A A	8	-14.141	-50.966	108.337	1.00	0.00	C
ATOM	237	O5'	A A	8	-13.545	-51.366	107.077	1.00	0.00	O
ATOM	238	O1P	A A	8	-15.408	-52.603	105.921	1.00	0.00	O
ATOM	239	O2P	A A	8	-13.017	-53.158	105.397	1.00	0.00	O
ATOM	240	P	A A	8	-14.019	-52.733	106.404	1.00	0.00	P
ATOM	241	H2	A A	8	-8.236	-45.941	109.408	1.00	0.00	H
ATOM	242	H8	A A	8	-11.306	-50.754	106.488	1.00	0.00	H
ATOM	243	H1'	A A	8	-12.248	-47.240	107.850	1.00	0.00	H
ATOM	244	H3'	A A	8	-15.250	-49.368	106.465	1.00	0.00	H
ATOM	245	H4'	A A	8	-15.045	-49.213	109.100	1.00	0.00	H
ATOM	246	H61	A A	8	-5.488	-49.226	108.034	1.00	0.00	H
ATOM	247	H62	A A	8	-6.531	-50.448	107.256	1.00	0.00	H
ATOM	248	H2'1	A A	8	-12.922	-49.446	105.883	1.00	0.00	H
ATOM	249	H2'2	A A	8	-13.231	-47.721	105.747	1.00	0.00	H
ATOM	250	H5'1	A A	8	-13.518	-51.308	109.164	1.00	0.00	H
ATOM	251	H5'2	A A	8	-15.133	-51.404	108.430	1.00	0.00	H
ATOM	252	C1'	C A	9	-11.031	-43.612	106.698	1.00	0.00	C
ATOM	253	N1	C A	9	-10.260	-44.743	106.112	1.00	0.00	N
ATOM	254	C2	C A	9	-8.876	-44.744	106.275	1.00	0.00	C
ATOM	255	O2	C A	9	-8.348	-43.811	106.893	1.00	0.00	O
ATOM	256	N3	C A	9	-8.157	-45.764	105.749	1.00	0.00	N
ATOM	257	C4	C A	9	-8.757	-46.759	105.082	1.00	0.00	C
ATOM	258	N4	C A	9	-8.005	-47.734	104.593	1.00	0.00	N
ATOM	259	C5	C A	9	-10.179	-46.784	104.896	1.00	0.00	C
ATOM	260	C6	C A	9	-10.884	-45.747	105.438	1.00	0.00	C
ATOM	261	C2'	C A	9	-12.201	-43.156	105.837	1.00	0.00	C
ATOM	262	C3'	C A	9	-13.238	-42.779	106.884	1.00	0.00	C
ATOM	263	O3'	C A	9	-12.997	-41.443	107.320	1.00	0.00	O
ATOM	264	C4'	C A	9	-12.990	-43.801	107.991	1.00	0.00	C
ATOM	265	O4'	C A	9	-11.548	-44.044	107.944	1.00	0.00	O
ATOM	266	C5'	C A	9	-13.706	-45.124	107.855	1.00	0.00	C
ATOM	267	O5'	C A	9	-13.769	-45.506	106.457	1.00	0.00	O
ATOM	268	O1P	C A	9	-16.229	-45.417	105.937	1.00	0.00	O

ATOM	269	O2P	C	A	9	-14.729	-46.956	104.642	1.00	0.00	O
ATOM	270	P	C	A	9	-15.048	-46.302	105.935	1.00	0.00	P
ATOM	271	H5	C	A	9	-10.671	-47.589	104.349	1.00	0.00	H
ATOM	272	H6	C	A	9	-11.969	-45.726	105.331	1.00	0.00	H
ATOM	273	H1'	C	A	9	-10.341	-42.792	106.887	1.00	0.00	H
ATOM	274	H3'	C	A	9	-14.253	-42.854	106.497	1.00	0.00	H
ATOM	275	H4'	C	A	9	-13.314	-43.342	108.925	1.00	0.00	H
ATOM	276	H41	C	A	9	-8.441	-48.513	104.078	1.00	0.00	H
ATOM	277	H42	C	A	9	-6.983	-47.713	104.725	1.00	0.00	H
ATOM	278	H2'1	C	A	9	-12.568	-43.946	105.184	1.00	0.00	H
ATOM	279	H2'2	C	A	9	-11.942	-42.303	105.208	1.00	0.00	H
ATOM	280	H5'1	C	A	9	-13.168	-45.884	108.420	1.00	0.00	H
ATOM	281	H5'2	C	A	9	-14.715	-45.028	108.255	1.00	0.00	H
ATOM	282	C1'	C	A	10	-7.816	-40.039	105.506	1.00	0.00	C
ATOM	283	N1	C	A	10	-7.925	-41.268	104.671	1.00	0.00	N
ATOM	284	C2	C	A	10	-6.754	-41.964	104.380	1.00	0.00	C
ATOM	285	O2	C	A	10	-5.678	-41.537	104.821	1.00	0.00	O
ATOM	286	N3	C	A	10	-6.830	-43.085	103.622	1.00	0.00	N
ATOM	287	C4	C	A	10	-8.007	-43.522	103.156	1.00	0.00	C
ATOM	288	N4	C	A	10	-8.025	-44.626	102.422	1.00	0.00	N
ATOM	289	C5	C	A	10	-9.228	-42.824	103.437	1.00	0.00	C
ATOM	290	C6	C	A	10	-9.127	-41.700	104.206	1.00	0.00	C
ATOM	291	C2'	C	A	10	-8.760	-38.923	105.079	1.00	0.00	C
ATOM	292	C3'	C	A	10	-9.136	-38.301	106.415	1.00	0.00	C
ATOM	293	O3'	C	A	10	-8.135	-37.355	106.789	1.00	0.00	O
ATOM	294	C4'	C	A	10	-9.171	-39.503	107.353	1.00	0.00	C
ATOM	295	O4'	C	A	10	-8.133	-40.396	106.838	1.00	0.00	O
ATOM	296	C5'	C	A	10	-10.475	-40.266	107.418	1.00	0.00	C
ATOM	297	O5'	C	A	10	-11.089	-40.300	106.104	1.00	0.00	O
ATOM	298	O1P	C	A	10	-13.185	-38.941	106.407	1.00	0.00	O
ATOM	299	O2P	C	A	10	-13.094	-40.735	104.655	1.00	0.00	O
ATOM	300	P	C	A	10	-12.680	-40.266	105.999	1.00	0.00	P
ATOM	301	H5	C	A	10	-10.188	-43.173	103.054	1.00	0.00	H
ATOM	302	H6	C	A	10	-10.029	-41.140	104.454	1.00	0.00	H
ATOM	303	H1'	C	A	10	-6.779	-39.705	105.486	1.00	0.00	H
ATOM	304	H3'	C	A	10	-10.105	-37.802	106.374	1.00	0.00	H
ATOM	305	H4'	C	A	10	-8.956	-39.131	108.355	1.00	0.00	H
ATOM	306	H41	C	A	10	-8.918	-44.985	102.054	1.00	0.00	H
ATOM	307	H42	C	A	10	-7.147	-45.123	102.220	1.00	0.00	H
ATOM	308	H2'1	C	A	10	-9.638	-39.300	104.557	1.00	0.00	H
ATOM	309	H2'2	C	A	10	-8.273	-38.198	104.425	1.00	0.00	H
ATOM	310	H5'1	C	A	10	-10.279	-41.284	107.759	1.00	0.00	H
ATOM	311	H5'2	C	A	10	-11.142	-39.775	108.124	1.00	0.00	H
ATOM	312	C1'	T	A	11	-3.668	-38.283	103.455	1.00	0.00	C
ATOM	313	N1	T	A	11	-4.589	-39.136	102.659	1.00	0.00	N
ATOM	314	C2	T	A	11	-4.038	-40.219	102.005	1.00	0.00	C
ATOM	315	O2	T	A	11	-2.850	-40.489	102.059	1.00	0.00	O
ATOM	316	N3	T	A	11	-4.930	-40.986	101.278	1.00	0.00	N
ATOM	317	C4	T	A	11	-6.287	-40.767	101.150	1.00	0.00	C
ATOM	318	O4	T	A	11	-6.987	-41.524	100.465	1.00	0.00	O
ATOM	319	C5	T	A	11	-6.770	-39.612	101.869	1.00	0.00	C
ATOM	320	C6	T	A	11	-5.929	-38.844	102.587	1.00	0.00	C
ATOM	321	C7	T	A	11	-8.241	-39.338	101.759	1.00	0.00	C
ATOM	322	C2'	T	A	11	-3.992	-36.795	103.384	1.00	0.00	C

ATOM	323	C3'	T A	11	-3.644	-36.327	104.789	1.00	0.00	C
ATOM	324	O3'	T A	11	-2.247	-36.050	104.859	1.00	0.00	O
ATOM	325	C4'	T A	11	-4.041	-37.522	105.652	1.00	0.00	C
ATOM	326	O4'	T A	11	-3.766	-38.685	104.808	1.00	0.00	O
ATOM	327	C5'	T A	11	-5.483	-37.580	106.100	1.00	0.00	C
ATOM	328	O5'	T A	11	-6.343	-37.077	105.046	1.00	0.00	O
ATOM	329	O1P	T A	11	-7.308	-34.974	106.035	1.00	0.00	O
ATOM	330	O2P	T A	11	-8.588	-36.241	104.288	1.00	0.00	O
ATOM	331	P	T A	11	-7.663	-36.280	105.448	1.00	0.00	P
ATOM	332	H3	T A	11	-4.545	-41.802	100.784	1.00	0.00	H
ATOM	333	H6	T A	11	-6.318	-37.977	103.123	1.00	0.00	H
ATOM	334	H1'	T A	11	-2.648	-38.476	103.121	1.00	0.00	H
ATOM	335	H3'	T A	11	-4.202	-35.435	105.069	1.00	0.00	H
ATOM	336	H4'	T A	11	-3.416	-37.488	106.547	1.00	0.00	H
ATOM	337	H71	T A	11	-8.397	-38.398	101.230	1.00	0.00	H
ATOM	338	H72	T A	11	-8.722	-40.148	101.209	1.00	0.00	H
ATOM	339	H73	T A	11	-8.675	-39.269	102.756	1.00	0.00	H
ATOM	340	H2'1	T A	11	-5.039	-36.612	103.153	1.00	0.00	H
ATOM	341	H2'2	T A	11	-3.394	-36.277	102.633	1.00	0.00	H
ATOM	342	H5'1	T A	11	-5.746	-38.611	106.330	1.00	0.00	H
ATOM	343	H5'2	T A	11	-5.604	-36.970	106.995	1.00	0.00	H
ATOM	344	C1'	A A	12	0.092	-38.405	100.218	1.00	0.00	C
ATOM	345	N1	A A	12	-3.171	-41.175	97.385	1.00	0.00	N
ATOM	346	C2	A A	12	-1.874	-41.304	97.645	1.00	0.00	C
ATOM	347	N3	A A	12	-1.090	-40.552	98.391	1.00	0.00	N
ATOM	348	C4	A A	12	-1.790	-39.531	98.917	1.00	0.00	C
ATOM	349	C5	A A	12	-3.117	-39.256	98.747	1.00	0.00	C
ATOM	350	C6	A A	12	-3.841	-40.145	97.925	1.00	0.00	C
ATOM	351	N6	A A	12	-5.153	-40.003	97.668	1.00	0.00	N
ATOM	352	N7	A A	12	-3.486	-38.121	99.445	1.00	0.00	N
ATOM	353	C8	A A	12	-2.383	-37.731	100.014	1.00	0.00	C
ATOM	354	N9	A A	12	-1.310	-38.541	99.739	1.00	0.00	N
ATOM	355	C2'	A A	12	0.575	-36.963	100.298	1.00	0.00	C
ATOM	356	C3'	A A	12	1.470	-36.997	101.527	1.00	0.00	C
ATOM	357	O3'	A A	12	2.770	-37.445	101.146	1.00	0.00	O
ATOM	358	C4'	A A	12	0.760	-37.997	102.439	1.00	0.00	C
ATOM	359	O4'	A A	12	0.160	-38.962	101.516	1.00	0.00	O
ATOM	360	C5'	A A	12	-0.324	-37.438	103.329	1.00	0.00	C
ATOM	361	O5'	A A	12	-1.047	-36.395	102.627	1.00	0.00	O
ATOM	362	O1P	A A	12	-0.486	-34.319	103.937	1.00	0.00	O
ATOM	363	O2P	A A	12	-2.645	-34.456	102.665	1.00	0.00	O
ATOM	364	P	A A	12	-1.605	-35.156	103.460	1.00	0.00	P
ATOM	365	H2	A A	12	-1.387	-42.157	97.174	1.00	0.00	H
ATOM	366	H8	A A	12	-2.316	-36.846	100.648	1.00	0.00	H
ATOM	367	H1'	A A	12	0.733	-38.996	99.565	1.00	0.00	H
ATOM	368	H3'	A A	12	1.551	-36.020	102.002	1.00	0.00	H
ATOM	369	H4'	A A	12	1.524	-38.437	103.080	1.00	0.00	H
ATOM	370	H61	A A	12	-5.636	-40.682	97.064	1.00	0.00	H
ATOM	371	H62	A A	12	-5.675	-39.214	98.078	1.00	0.00	H
ATOM	372	H2'1	A A	12	-0.245	-36.258	100.426	1.00	0.00	H
ATOM	373	H2'2	A A	12	1.130	-36.664	99.411	1.00	0.00	H
ATOM	374	H5'1	A A	12	-1.010	-38.241	103.601	1.00	0.00	H
ATOM	375	H5'2	A A	12	0.127	-37.031	104.232	1.00	0.00	H
ATOM	376	C1'	G A	13	2.225	-39.713	95.930	1.00	0.00	C

ATOM	377	N1	G A	13	-2.584	-39.954	94.244	1.00	0.00	N
ATOM	378	C2	G A	13	-1.522	-40.812	94.023	1.00	0.00	C
ATOM	379	N2	G A	13	-1.772	-41.875	93.245	1.00	0.00	N
ATOM	380	N3	G A	13	-0.306	-40.625	94.533	1.00	0.00	N
ATOM	381	C4	G A	13	-0.230	-39.497	95.287	1.00	0.00	C
ATOM	382	C5	G A	13	-1.234	-38.582	95.560	1.00	0.00	C
ATOM	383	C6	G A	13	-2.526	-38.782	95.021	1.00	0.00	C
ATOM	384	O6	G A	13	-3.536	-38.089	95.148	1.00	0.00	O
ATOM	385	N7	G A	13	-0.746	-37.560	96.376	1.00	0.00	N
ATOM	386	C8	G A	13	0.506	-37.880	96.570	1.00	0.00	C
ATOM	387	N9	G A	13	0.895	-39.044	95.940	1.00	0.00	N
ATOM	388	C2'	G A	13	3.399	-38.744	95.884	1.00	0.00	C
ATOM	389	C3'	G A	13	4.430	-39.453	96.745	1.00	0.00	C
ATOM	390	O3'	G A	13	5.139	-40.398	95.945	1.00	0.00	O
ATOM	391	C4'	G A	13	3.574	-40.130	97.814	1.00	0.00	C
ATOM	392	O4'	G A	13	2.334	-40.473	97.117	1.00	0.00	O
ATOM	393	C5'	G A	13	3.231	-39.296	99.026	1.00	0.00	C
ATOM	394	O5'	G A	13	3.016	-37.919	98.629	1.00	0.00	O
ATOM	395	O1P	G A	13	4.915	-36.690	99.734	1.00	0.00	O
ATOM	396	O2P	G A	13	2.764	-35.496	99.245	1.00	0.00	O
ATOM	397	P	G A	13	3.445	-36.756	99.633	1.00	0.00	P
ATOM	398	H1	G A	13	-3.487	-40.193	93.808	1.00	0.00	H
ATOM	399	H8	G A	13	1.186	-37.280	97.175	1.00	0.00	H
ATOM	400	H1'	G A	13	2.254	-40.402	95.086	1.00	0.00	H
ATOM	401	H21	G A	13	-2.717	-42.014	92.856	1.00	0.00	H
ATOM	402	H3'	G A	13	5.139	-38.756	97.192	1.00	0.00	H
ATOM	403	H22	G A	13	-1.023	-42.548	93.040	1.00	0.00	H
ATOM	404	H4'	G A	13	4.126	-41.004	98.155	1.00	0.00	H
ATOM	405	H2'1	G A	13	3.144	-37.767	96.294	1.00	0.00	H
ATOM	406	H2'2	G A	13	3.767	-38.588	94.869	1.00	0.00	H
ATOM	407	H5'1	G A	13	2.329	-39.693	99.490	1.00	0.00	H
ATOM	408	H5'2	G A	13	4.054	-39.351	99.741	1.00	0.00	H
ATOM	409	C1'	G A	14	2.187	-41.041	91.159	1.00	0.00	C
ATOM	410	N1	G A	14	-2.301	-38.616	91.104	1.00	0.00	N
ATOM	411	C2	G A	14	-1.935	-39.819	90.529	1.00	0.00	C
ATOM	412	N2	G A	14	-2.890	-40.460	89.845	1.00	0.00	N
ATOM	413	N3	G A	14	-0.712	-40.341	90.626	1.00	0.00	N
ATOM	414	C4	G A	14	0.128	-39.553	91.347	1.00	0.00	C
ATOM	415	C5	G A	14	-0.147	-38.339	91.954	1.00	0.00	C
ATOM	416	C6	G A	14	-1.444	-37.787	91.854	1.00	0.00	C
ATOM	417	O6	G A	14	-1.878	-36.732	92.319	1.00	0.00	O
ATOM	418	N7	G A	14	0.993	-37.852	92.597	1.00	0.00	N
ATOM	419	C8	G A	14	1.901	-38.767	92.369	1.00	0.00	C
ATOM	420	N9	G A	14	1.451	-39.830	91.615	1.00	0.00	N
ATOM	421	C2'	G A	14	3.633	-40.766	90.765	1.00	0.00	C
ATOM	422	C3'	G A	14	4.334	-42.033	91.228	1.00	0.00	C
ATOM	423	O3'	G A	14	4.215	-43.032	90.217	1.00	0.00	O
ATOM	424	C4'	G A	14	3.565	-42.403	92.496	1.00	0.00	C
ATOM	425	O4'	G A	14	2.194	-41.968	92.227	1.00	0.00	O
ATOM	426	C5'	G A	14	4.034	-41.753	93.777	1.00	0.00	C
ATOM	427	O5'	G A	14	4.466	-40.396	93.509	1.00	0.00	O
ATOM	428	O1P	G A	14	6.937	-40.466	93.979	1.00	0.00	O
ATOM	429	O2P	G A	14	5.671	-38.316	94.242	1.00	0.00	O
ATOM	430	P	G A	14	5.678	-39.796	94.354	1.00	0.00	P

ATOM	431	H1	G A	14	-3.275	-38.303	90.975	1.00	0.00	H
ATOM	432	H8	G A	14	2.923	-38.693	92.740	1.00	0.00	H
ATOM	433	H1'	G A	14	1.634	-41.485	90.331	1.00	0.00	H
ATOM	434	H21	G A	14	-3.834	-40.053	89.776	1.00	0.00	H
ATOM	435	H3'	G A	14	5.389	-41.862	91.443	1.00	0.00	H
ATOM	436	H22	G A	14	-2.682	-41.360	89.389	1.00	0.00	H
ATOM	437	H4'	G A	14	3.653	-43.481	92.617	1.00	0.00	H
ATOM	438	H2'1	G A	14	4.037	-39.885	91.262	1.00	0.00	H
ATOM	439	H2'2	G A	14	3.747	-40.619	89.690	1.00	0.00	H
ATOM	440	H5'1	G A	14	3.214	-41.746	94.496	1.00	0.00	H
ATOM	441	H5'2	G A	14	4.864	-42.330	94.187	1.00	0.00	H
ATOM	442	C1'	A A	15	0.240	-41.274	86.614	1.00	0.00	C
ATOM	443	N1	A A	15	-2.221	-37.012	88.073	1.00	0.00	N
ATOM	444	C2	A A	15	-2.615	-38.095	87.406	1.00	0.00	C
ATOM	445	N3	A A	15	-1.926	-39.164	87.065	1.00	0.00	N
ATOM	446	C4	A A	15	-0.654	-39.052	87.488	1.00	0.00	C
ATOM	447	C5	A A	15	-0.094	-38.013	88.177	1.00	0.00	C
ATOM	448	C6	A A	15	-0.946	-36.931	88.482	1.00	0.00	C
ATOM	449	N6	A A	15	-0.535	-35.842	89.155	1.00	0.00	N
ATOM	450	N7	A A	15	1.243	-38.252	88.443	1.00	0.00	N
ATOM	451	C8	A A	15	1.463	-39.418	87.909	1.00	0.00	C
ATOM	452	N9	A A	15	0.356	-39.967	87.312	1.00	0.00	N
ATOM	453	C2'	A A	15	1.469	-41.645	85.796	1.00	0.00	C
ATOM	454	C3'	A A	15	1.529	-43.154	85.979	1.00	0.00	C
ATOM	455	O3'	A A	15	0.670	-43.773	85.026	1.00	0.00	O
ATOM	456	C4'	A A	15	1.035	-43.342	87.412	1.00	0.00	C
ATOM	457	O4'	A A	15	0.052	-42.273	87.598	1.00	0.00	O
ATOM	458	C5'	A A	15	2.075	-43.237	88.501	1.00	0.00	C
ATOM	459	O5'	A A	15	3.046	-42.216	88.153	1.00	0.00	O
ATOM	460	O1P	A A	15	5.171	-43.526	87.824	1.00	0.00	O
ATOM	461	O2P	A A	15	5.276	-41.121	88.534	1.00	0.00	O
ATOM	462	P	A A	15	4.566	-42.422	88.595	1.00	0.00	P
ATOM	463	H2	A A	15	-3.661	-38.096	87.099	1.00	0.00	H
ATOM	464	H8	A A	15	2.434	-39.912	87.932	1.00	0.00	H
ATOM	465	H1'	A A	15	-0.652	-41.247	85.988	1.00	0.00	H
ATOM	466	H3'	A A	15	2.541	-43.541	85.858	1.00	0.00	H
ATOM	467	H4'	A A	15	0.595	-44.338	87.466	1.00	0.00	H
ATOM	468	H61	A A	15	-1.200	-35.080	89.353	1.00	0.00	H
ATOM	469	H62	A A	15	0.442	-35.771	89.471	1.00	0.00	H
ATOM	470	H2'1	A A	15	2.373	-41.164	86.168	1.00	0.00	H
ATOM	471	H2'2	A A	15	1.364	-41.377	84.744	1.00	0.00	H
ATOM	472	H5'1	A A	15	1.586	-42.974	89.439	1.00	0.00	H
ATOM	473	H5'2	A A	15	2.574	-44.197	88.612	1.00	0.00	H
ATOM	474	C1'	C A	16	-2.682	-39.638	82.948	1.00	0.00	C
ATOM	475	N1	C A	16	-1.713	-38.719	83.605	1.00	0.00	N
ATOM	476	C2	C A	16	-2.188	-37.498	84.077	1.00	0.00	C
ATOM	477	O2	C A	16	-3.388	-37.228	83.931	1.00	0.00	O
ATOM	478	N3	C A	16	-1.321	-36.647	84.678	1.00	0.00	N
ATOM	479	C4	C A	16	-0.030	-36.968	84.820	1.00	0.00	C
ATOM	480	N4	C A	16	0.773	-36.100	85.420	1.00	0.00	N
ATOM	481	C5	C A	16	0.490	-38.215	84.341	1.00	0.00	C
ATOM	482	C6	C A	16	-0.402	-39.060	83.741	1.00	0.00	C
ATOM	483	C2'	C A	16	-2.104	-40.392	81.758	1.00	0.00	C
ATOM	484	C3'	C A	16	-2.799	-41.741	81.870	1.00	0.00	C



ATOM	485	O3'	C	A	16	-4.074	-41.664	81.238	1.00	0.00	O
ATOM	486	C4'	C	A	16	-2.911	-41.941	83.379	1.00	0.00	C
ATOM	487	O4'	C	A	16	-3.094	-40.590	83.910	1.00	0.00	O
ATOM	488	C5'	C	A	16	-1.720	-42.572	84.064	1.00	0.00	C
ATOM	489	O5'	C	A	16	-0.495	-42.111	83.440	1.00	0.00	O
ATOM	490	O1P	C	A	16	0.446	-44.194	82.390	1.00	0.00	O
ATOM	491	O2P	C	A	16	1.982	-42.338	83.090	1.00	0.00	O
ATOM	492	P	C	A	16	0.742	-43.111	83.347	1.00	0.00	P
ATOM	493	H5	C	A	16	1.543	-38.477	84.448	1.00	0.00	H
ATOM	494	H6	C	A	16	-0.057	-40.024	83.368	1.00	0.00	H
ATOM	495	H1'	C	A	16	-3.558	-39.058	82.654	1.00	0.00	H
ATOM	496	H3'	C	A	16	-2.214	-42.539	81.409	1.00	0.00	H
ATOM	497	H4'	C	A	16	-3.772	-42.587	83.549	1.00	0.00	H
ATOM	498	H41	C	A	16	1.772	-36.322	85.544	1.00	0.00	H
ATOM	499	H42	C	A	16	0.399	-35.202	85.761	1.00	0.00	H
ATOM	500	H2'1	C	A	16	-1.021	-40.498	81.821	1.00	0.00	H
ATOM	501	H2'2	C	A	16	-2.331	-39.905	80.809	1.00	0.00	H
ATOM	502	H5'1	C	A	16	-1.727	-42.296	85.118	1.00	0.00	H
ATOM	503	H5'2	C	A	16	-1.792	-43.656	83.977	1.00	0.00	H
ATOM	504	C1'	G	A	17	-5.176	-36.161	80.453	1.00	0.00	C
ATOM	505	N1	G	A	17	-1.757	-33.008	82.550	1.00	0.00	N
ATOM	506	C2	G	A	17	-3.123	-32.857	82.389	1.00	0.00	C
ATOM	507	N2	G	A	17	-3.647	-31.713	82.845	1.00	0.00	N
ATOM	508	N3	G	A	17	-3.903	-33.774	81.819	1.00	0.00	N
ATOM	509	C4	G	A	17	-3.203	-34.865	81.409	1.00	0.00	C
ATOM	510	C5	G	A	17	-1.843	-35.101	81.524	1.00	0.00	C
ATOM	511	C6	G	A	17	-1.015	-34.131	82.133	1.00	0.00	C
ATOM	512	O6	G	A	17	0.202	-34.156	82.324	1.00	0.00	O
ATOM	513	N7	G	A	17	-1.520	-36.344	80.976	1.00	0.00	N
ATOM	514	C8	G	A	17	-2.669	-36.813	80.560	1.00	0.00	C
ATOM	515	N9	G	A	17	-3.738	-35.971	80.787	1.00	0.00	N
ATOM	516	C2'	G	A	17	-5.410	-36.864	79.123	1.00	0.00	C
ATOM	517	C3'	G	A	17	-6.645	-37.699	79.416	1.00	0.00	C
ATOM	518	O3'	G	A	17	-7.808	-36.896	79.232	1.00	0.00	O
ATOM	519	C4'	G	A	17	-6.444	-38.099	80.877	1.00	0.00	C
ATOM	520	O4'	G	A	17	-5.753	-36.956	81.472	1.00	0.00	O
ATOM	521	C5'	G	A	17	-5.626	-39.344	81.125	1.00	0.00	C
ATOM	522	O5'	G	A	17	-4.552	-39.426	80.155	1.00	0.00	O
ATOM	523	O1P	G	A	17	-5.147	-41.465	78.804	1.00	0.00	O
ATOM	524	O2P	G	A	17	-2.749	-40.757	79.020	1.00	0.00	O
ATOM	525	P	G	A	17	-4.090	-40.864	79.643	1.00	0.00	P
ATOM	526	H1	G	A	17	-1.245	-32.241	83.011	1.00	0.00	H
ATOM	527	H8	G	A	17	-2.772	-37.785	80.075	1.00	0.00	H
ATOM	528	H1'	G	A	17	-5.662	-35.187	80.471	1.00	0.00	H
ATOM	529	H21	G	A	17	-3.039	-31.009	83.287	1.00	0.00	H
ATOM	530	H3'	G	A	17	-6.706	-38.577	78.773	1.00	0.00	H
ATOM	531	H22	G	A	17	-4.658	-31.537	82.753	1.00	0.00	H
ATOM	532	H4'	G	A	17	-7.435	-38.263	81.299	1.00	0.00	H
ATOM	533	H2'1	G	A	17	-4.566	-37.490	78.832	1.00	0.00	H
ATOM	534	H2'2	G	A	17	-5.590	-36.159	78.309	1.00	0.00	H
ATOM	535	H5'1	G	A	17	-5.210	-39.303	82.132	1.00	0.00	H
ATOM	536	H5'2	G	A	17	-6.270	-40.219	81.040	1.00	0.00	H
ATOM	537	C1'	G	A	18	-6.069	-31.515	78.994	1.00	0.00	C
ATOM	538	N1	G	A	18	-1.105	-30.856	79.967	1.00	0.00	N

ATOM	539	C2	G A	18	-2.183	-30.039	80.259	1.00	0.00	C
ATOM	540	N2	G A	18	-1.901	-28.892	80.892	1.00	0.00	N
ATOM	541	N3	G A	18	-3.440	-30.341	79.945	1.00	0.00	N
ATOM	542	C4	G A	18	-3.541	-31.533	79.301	1.00	0.00	C
ATOM	543	C5	G A	18	-2.524	-32.412	78.965	1.00	0.00	C
ATOM	544	C6	G A	18	-1.187	-32.093	79.302	1.00	0.00	C
ATOM	545	O6	G A	18	-0.159	-32.737	79.090	1.00	0.00	O
ATOM	546	N7	G A	18	-3.045	-33.526	78.307	1.00	0.00	N
ATOM	547	C8	G A	18	-4.333	-33.298	78.270	1.00	0.00	C
ATOM	548	N9	G A	18	-4.711	-32.106	78.852	1.00	0.00	N
ATOM	549	C2'	G A	18	-6.970	-31.750	77.790	1.00	0.00	C
ATOM	550	C3'	G A	18	-8.331	-31.927	78.442	1.00	0.00	C
ATOM	551	O3'	G A	18	-8.914	-30.646	78.665	1.00	0.00	O
ATOM	552	C4'	G A	18	-7.993	-32.642	79.750	1.00	0.00	C
ATOM	553	O4'	G A	18	-6.683	-32.109	80.121	1.00	0.00	O
ATOM	554	C5'	G A	18	-7.902	-34.148	79.686	1.00	0.00	C
ATOM	555	O5'	G A	18	-7.324	-34.553	78.419	1.00	0.00	O
ATOM	556	O1P	G A	18	-9.214	-35.757	77.274	1.00	0.00	O
ATOM	557	O2P	G A	18	-6.837	-36.345	76.727	1.00	0.00	O
ATOM	558	P	G A	18	-7.824	-35.909	77.745	1.00	0.00	P
ATOM	559	H1	G A	18	-0.170	-30.532	80.260	1.00	0.00	H
ATOM	560	H8	G A	18	-5.045	-33.986	77.817	1.00	0.00	H
ATOM	561	H1'	G A	18	-5.958	-30.448	79.196	1.00	0.00	H
ATOM	562	H21	G A	18	-0.924	-28.667	81.135	1.00	0.00	H
ATOM	563	H3'	G A	18	-9.005	-32.528	77.828	1.00	0.00	H
ATOM	564	H22	G A	18	-2.658	-28.240	81.134	1.00	0.00	H
ATOM	565	H4'	G A	18	-8.775	-32.385	80.463	1.00	0.00	H
ATOM	566	H2'1	G A	18	-6.683	-32.639	77.226	1.00	0.00	H
ATOM	567	H2'2	G A	18	-6.967	-30.907	77.099	1.00	0.00	H
ATOM	568	H5'1	G A	18	-7.278	-34.504	80.505	1.00	0.00	H
ATOM	569	H5'2	G A	18	-8.900	-34.571	79.787	1.00	0.00	H
ATOM	570	C1'	T A	19	-4.805	-26.826	78.032	1.00	0.00	C
ATOM	571	N1	T A	19	-4.016	-27.946	77.453	1.00	0.00	N
ATOM	572	C2	T A	19	-2.648	-27.911	77.631	1.00	0.00	C
ATOM	573	O2	T A	19	-2.084	-27.012	78.233	1.00	0.00	O
ATOM	574	N3	T A	19	-1.954	-28.970	77.079	1.00	0.00	N
ATOM	575	C4	T A	19	-2.492	-30.030	76.380	1.00	0.00	C
ATOM	576	O4	T A	19	-1.766	-30.924	75.926	1.00	0.00	O
ATOM	577	C5	T A	19	-3.929	-29.981	76.244	1.00	0.00	C
ATOM	578	C6	T A	19	-4.638	-28.963	76.771	1.00	0.00	C
ATOM	579	C7	T A	19	-4.557	-31.116	75.493	1.00	0.00	C
ATOM	580	C2'	T A	19	-5.977	-26.387	77.162	1.00	0.00	C
ATOM	581	C3'	T A	19	-7.025	-26.022	78.201	1.00	0.00	C
ATOM	582	O3'	T A	19	-6.806	-24.683	78.637	1.00	0.00	O
ATOM	583	C4'	T A	19	-6.771	-27.039	79.311	1.00	0.00	C
ATOM	584	O4'	T A	19	-5.325	-27.261	79.274	1.00	0.00	O
ATOM	585	C5'	T A	19	-7.467	-28.373	79.174	1.00	0.00	C
ATOM	586	O5'	T A	19	-7.515	-28.759	77.778	1.00	0.00	O
ATOM	587	O1P	T A	19	-9.974	-28.703	77.241	1.00	0.00	O
ATOM	588	O2P	T A	19	-8.443	-30.224	75.960	1.00	0.00	O
ATOM	589	P	T A	19	-8.780	-29.573	77.248	1.00	0.00	P
ATOM	590	H3	T A	19	-0.931	-28.969	77.202	1.00	0.00	H
ATOM	591	H6	T A	19	-5.721	-28.947	76.655	1.00	0.00	H
ATOM	592	H1'	T A	19	-4.128	-25.994	78.223	1.00	0.00	H

ATOM	593	H3'	T A	19	-8.037	-26.114	77.808	1.00	0.00	H
ATOM	594	H4'	T A	19	-7.107	-26.582	80.243	1.00	0.00	H
ATOM	595	H71	T A	19	-5.000	-30.741	74.571	1.00	0.00	H
ATOM	596	H72	T A	19	-3.796	-31.859	75.253	1.00	0.00	H
ATOM	597	H73	T A	19	-5.333	-31.575	76.106	1.00	0.00	H
ATOM	598	H2'1	T A	19	-6.327	-27.185	76.508	1.00	0.00	H
ATOM	599	H2'2	T A	19	-5.727	-25.533	76.532	1.00	0.00	H
ATOM	600	H5'1	T A	19	-6.922	-29.123	79.745	1.00	0.00	H
ATOM	601	H5'2	T A	19	-8.479	-28.289	79.567	1.00	0.00	H
ATOM	602	C01	LNK A	20	-7.825	-21.438	77.123	0.00	0.00	C
ATOM	603	O1	LNK A	20	-7.745	-22.865	77.101	1.00	0.00	O
ATOM	604	S	LNK A	20	-9.073	-18.464	74.789	0.00	0.00	S
ATOM	605	C02	LNK A	20	-8.466	-20.941	75.813	0.00	0.00	C
ATOM	606	C03	LNK A	20	-7.799	-19.622	75.382	0.00	0.00	C
ATOM	607	O1P	LNK A	20	-5.954	-24.364	76.163	1.00	0.00	O
ATOM	608	O2P	LNK A	20	-5.344	-22.533	77.768	1.00	0.00	O
ATOM	609	P	LNK A	20	-6.329	-23.559	77.342	1.00	0.00	P
ATOM	610	H01	LNK A	20	-6.824	-21.018	77.220	0.00	0.00	H
ATOM	611	H02	LNK A	20	-8.436	-21.120	77.968	0.00	0.00	H
ATOM	612	H03	LNK A	20	-7.086	-19.819	74.582	0.00	0.00	H
ATOM	613	H04	LNK A	20	-9.533	-20.777	75.969	0.00	0.00	H
ATOM	614	H05	LNK A	20	-8.325	-21.691	75.033	0.00	0.00	H
ATOM	615	H06	LNK A	20	-7.278	-19.184	76.234	0.00	0.00	H
ATOM	616	AU	LNK A	20	-8.771	-17.918	74.505			
TER										
ATOM	618	C1'	A B	2	5.983	-28.368	78.370	1.00	0.00	C
ATOM	619	N1	A B	2	0.978	-28.981	77.415	1.00	0.00	N
ATOM	620	C2	A B	2	1.659	-28.042	78.064	1.00	0.00	C
ATOM	621	N3	A B	2	2.956	-27.943	78.271	1.00	0.00	N
ATOM	622	C4	A B	2	3.598	-28.988	77.716	1.00	0.00	C
ATOM	623	C5	A B	2	3.047	-30.028	77.022	1.00	0.00	C
ATOM	624	C6	A B	2	1.644	-30.010	76.871	1.00	0.00	C
ATOM	625	N6	A B	2	0.964	-30.964	76.213	1.00	0.00	N
ATOM	626	N7	A B	2	4.020	-30.916	76.598	1.00	0.00	N
ATOM	627	C8	A B	2	5.127	-30.402	77.044	1.00	0.00	C
ATOM	628	N9	A B	2	4.949	-29.228	77.730	1.00	0.00	N
ATOM	629	C2'	A B	2	7.113	-29.153	79.024	1.00	0.00	C
ATOM	630	C3'	A B	2	8.314	-28.260	78.759	1.00	0.00	C
ATOM	631	O3'	A B	2	8.381	-27.255	79.768	1.00	0.00	O
ATOM	632	C4'	A B	2	8.005	-27.674	77.382	1.00	0.00	C
ATOM	633	O4'	A B	2	6.546	-27.551	77.362	1.00	0.00	O
ATOM	634	C5'	A B	2	8.438	-28.497	76.192	1.00	0.00	C
ATOM	635	O5'	A B	2	8.265	-29.907	76.480	1.00	0.00	O
ATOM	636	H2	A B	2	1.060	-27.238	78.486	1.00	0.00	H
ATOM	637	H8	A B	2	6.104	-30.859	76.888	1.00	0.00	H
ATOM	638	H1'	A B	2	5.488	-27.720	79.092	1.00	0.00	H
ATOM	639	H3'	A B	2	9.247	-28.823	78.747	1.00	0.00	H
ATOM	640	H4'	A B	2	8.514	-26.713	77.326	1.00	0.00	H
ATOM	641	H61	A B	2	-0.059	-30.902	76.130	1.00	0.00	H
ATOM	642	H62	A B	2	1.470	-31.759	75.794	1.00	0.00	H
ATOM	643	H2'1	A B	2	7.245	-30.139	78.579	1.00	0.00	H
ATOM	644	H2'2	A B	2	6.951	-29.294	80.094	1.00	0.00	H
ATOM	645	H5'1	A B	2	7.832	-28.220	75.328	1.00	0.00	H
ATOM	646	H5'2	A B	2	9.485	-28.289	75.976	1.00	0.00	H

ATOM	647	C1'	C B	3	3.320	-27.277	82.416	1.00	0.00	C
ATOM	648	N1	C B	3	3.117	-28.568	81.704	1.00	0.00	N
ATOM	649	C2	C B	3	1.816	-28.923	81.354	1.00	0.00	C
ATOM	650	O2	C B	3	0.890	-28.155	81.647	1.00	0.00	O
ATOM	651	N3	C B	3	1.609	-30.094	80.707	1.00	0.00	N
ATOM	652	C4	C B	3	2.632	-30.904	80.404	1.00	0.00	C
ATOM	653	N4	C B	3	2.372	-32.037	79.766	1.00	0.00	N
ATOM	654	C5	C B	3	3.981	-30.569	80.755	1.00	0.00	C
ATOM	655	C6	C B	3	4.167	-29.381	81.404	1.00	0.00	C
ATOM	656	C2'	C B	3	4.397	-27.332	83.492	1.00	0.00	C
ATOM	657	C3'	C B	3	5.021	-25.949	83.388	1.00	0.00	C
ATOM	658	O3'	C B	3	4.252	-25.029	84.159	1.00	0.00	O
ATOM	659	C4'	C B	3	4.942	-25.654	81.892	1.00	0.00	C
ATOM	660	O4'	C B	3	3.711	-26.314	81.456	1.00	0.00	O
ATOM	661	C5'	C B	3	6.088	-26.161	81.046	1.00	0.00	C
ATOM	662	O5'	C B	3	6.540	-27.442	81.552	1.00	0.00	O
ATOM	663	O1P	C B	3	8.866	-26.954	82.381	1.00	0.00	O
ATOM	664	O2P	C B	3	8.267	-29.266	81.612	1.00	0.00	O
ATOM	665	P	C B	3	8.089	-27.802	81.454	1.00	0.00	P
ATOM	666	H5	C B	3	4.817	-31.228	80.519	1.00	0.00	H
ATOM	667	H6	C B	3	5.175	-29.079	81.686	1.00	0.00	H
ATOM	668	H1'	C B	3	2.364	-26.964	82.835	1.00	0.00	H
ATOM	669	H3'	C B	3	6.052	-25.940	83.737	1.00	0.00	H
ATOM	670	H4'	C B	3	4.906	-24.570	81.783	1.00	0.00	H
ATOM	671	H41	C B	3	3.142	-32.677	79.518	1.00	0.00	H
ATOM	672	H42	C B	3	1.403	-32.278	79.516	1.00	0.00	H
ATOM	673	H2'1	C B	3	5.131	-28.114	83.303	1.00	0.00	H
ATOM	674	H2'2	C B	3	3.979	-27.506	84.485	1.00	0.00	H
ATOM	675	H5'1	C B	3	5.751	-26.270	80.015	1.00	0.00	H
ATOM	676	H5'2	C B	3	6.904	-25.442	81.083	1.00	0.00	H
ATOM	677	C1'	C B	4	-0.656	-27.592	85.350	1.00	0.00	C
ATOM	678	N1	C B	4	0.027	-28.822	84.868	1.00	0.00	N
ATOM	679	C2	C B	4	-0.750	-29.807	84.262	1.00	0.00	C
ATOM	680	O2	C B	4	-1.970	-29.620	84.150	1.00	0.00	O
ATOM	681	N3	C B	4	-0.149	-30.936	83.816	1.00	0.00	N
ATOM	682	C4	C B	4	1.174	-31.110	83.951	1.00	0.00	C
ATOM	683	N4	C B	4	1.712	-32.231	83.494	1.00	0.00	N
ATOM	684	C5	C B	4	1.999	-30.116	84.574	1.00	0.00	C
ATOM	685	C6	C B	4	1.370	-28.986	85.012	1.00	0.00	C
ATOM	686	C2'	C B	4	-0.099	-27.054	86.661	1.00	0.00	C
ATOM	687	C3'	C B	4	-0.222	-25.551	86.464	1.00	0.00	C
ATOM	688	O3'	C B	4	-1.539	-25.138	86.819	1.00	0.00	O
ATOM	689	C4'	C B	4	0.054	-25.380	84.971	1.00	0.00	C
ATOM	690	O4'	C B	4	-0.492	-26.593	84.361	1.00	0.00	O
ATOM	691	C5'	C B	4	1.505	-25.248	84.567	1.00	0.00	C
ATOM	692	O5'	C B	4	2.327	-26.097	85.407	1.00	0.00	O
ATOM	693	O1P	C B	4	3.722	-24.455	86.707	1.00	0.00	O
ATOM	694	O2P	C B	4	4.593	-26.766	86.260	1.00	0.00	O
ATOM	695	P	C B	4	3.795	-25.608	85.788	1.00	0.00	P
ATOM	696	H5	C B	4	3.073	-30.256	84.693	1.00	0.00	H
ATOM	697	H6	C B	4	1.957	-28.198	85.485	1.00	0.00	H
ATOM	698	H1'	C B	4	-1.722	-27.806	85.437	1.00	0.00	H
ATOM	699	H3'	C B	4	0.504	-25.000	87.063	1.00	0.00	H
ATOM	700	H4'	C B	4	-0.463	-24.474	84.654	1.00	0.00	H

ATOM	701	H41	C B	4	2.727	-32.389	83.583	1.00	0.00	H
ATOM	702	H42	C B	4	1.117	-32.945	83.049	1.00	0.00	H
ATOM	703	H2'1	C B	4	0.937	-27.349	86.822	1.00	0.00	H
ATOM	704	H2'2	C B	4	-0.674	-27.390	87.524	1.00	0.00	H
ATOM	705	H5'1	C B	4	1.614	-25.544	83.524	1.00	0.00	H
ATOM	706	H5'2	C B	4	1.813	-24.210	84.680	1.00	0.00	H
ATOM	707	C1'	G B	5	-4.692	-29.832	87.144	1.00	0.00	C
ATOM	708	N1	G B	5	-2.294	-34.087	85.668	1.00	0.00	N
ATOM	709	C2	G B	5	-3.625	-33.728	85.543	1.00	0.00	C
ATOM	710	N2	G B	5	-4.423	-34.622	84.947	1.00	0.00	N
ATOM	711	N3	G B	5	-4.119	-32.569	85.977	1.00	0.00	N
ATOM	712	C4	G B	5	-3.171	-31.789	86.560	1.00	0.00	C
ATOM	713	C5	G B	5	-1.825	-32.066	86.733	1.00	0.00	C
ATOM	714	C6	G B	5	-1.299	-33.293	86.269	1.00	0.00	C
ATOM	715	O6	G B	5	-0.144	-33.715	86.331	1.00	0.00	O
ATOM	716	N7	G B	5	-1.194	-31.002	87.382	1.00	0.00	N
ATOM	717	C8	G B	5	-2.153	-30.133	87.574	1.00	0.00	C
ATOM	718	N9	G B	5	-3.385	-30.542	87.103	1.00	0.00	N
ATOM	719	C2'	G B	5	-4.921	-29.042	88.426	1.00	0.00	C
ATOM	720	C3'	G B	5	-5.685	-27.829	87.919	1.00	0.00	C
ATOM	721	O3'	G B	5	-7.071	-28.150	87.833	1.00	0.00	O
ATOM	722	C4'	G B	5	-5.062	-27.585	86.546	1.00	0.00	C
ATOM	723	O4'	G B	5	-4.725	-28.923	86.061	1.00	0.00	O
ATOM	724	C5'	G B	5	-3.817	-26.731	86.515	1.00	0.00	C
ATOM	725	O5'	G B	5	-3.007	-27.003	87.686	1.00	0.00	O
ATOM	726	O1P	G B	5	-3.084	-24.837	88.965	1.00	0.00	O
ATOM	727	O2P	G B	5	-1.114	-26.370	89.213	1.00	0.00	O
ATOM	728	P	G B	5	-2.171	-25.810	88.336	1.00	0.00	P
ATOM	729	H1	G B	5	-2.012	-35.004	85.292	1.00	0.00	H
ATOM	730	H8	G B	5	-1.996	-29.173	88.064	1.00	0.00	H
ATOM	731	H1'	G B	5	-5.484	-30.564	86.991	1.00	0.00	H
ATOM	732	H21	G B	5	-4.034	-35.514	84.611	1.00	0.00	H
ATOM	733	H3'	G B	5	-5.554	-26.962	88.570	1.00	0.00	H
ATOM	734	H22	G B	5	-5.425	-34.417	84.826	1.00	0.00	H
ATOM	735	H4'	G B	5	-5.820	-27.091	85.938	1.00	0.00	H
ATOM	736	H2'1	G B	5	-3.987	-28.751	88.905	1.00	0.00	H
ATOM	737	H2'2	G B	5	-5.504	-29.601	89.158	1.00	0.00	H
ATOM	738	H5'1	G B	5	-3.249	-26.959	85.613	1.00	0.00	H
ATOM	739	H5'2	G B	5	-4.104	-25.679	86.502	1.00	0.00	H
ATOM	740	C1'	T B	6	-7.503	-33.765	88.213	1.00	0.00	C
ATOM	741	N1	T B	6	-6.078	-33.724	88.639	1.00	0.00	N
ATOM	742	C2	T B	6	-5.293	-34.812	88.312	1.00	0.00	C
ATOM	743	O2	T B	6	-5.722	-35.777	87.705	1.00	0.00	O
ATOM	744	N3	T B	6	-3.976	-34.732	88.727	1.00	0.00	N
ATOM	745	C4	T B	6	-3.393	-33.693	89.421	1.00	0.00	C
ATOM	746	O4	T B	6	-2.200	-33.736	89.741	1.00	0.00	O
ATOM	747	C5	T B	6	-4.292	-32.602	89.714	1.00	0.00	C
ATOM	748	C6	T B	6	-5.582	-32.645	89.324	1.00	0.00	C
ATOM	749	C7	T B	6	-3.698	-31.447	90.465	1.00	0.00	C
ATOM	750	C2'	T B	6	-8.463	-33.159	89.229	1.00	0.00	C
ATOM	751	C3'	T B	6	-9.504	-32.507	88.330	1.00	0.00	C
ATOM	752	O3'	T B	6	-10.473	-33.482	87.951	1.00	0.00	O
ATOM	753	C4'	T B	6	-8.674	-32.023	87.144	1.00	0.00	C
ATOM	754	O4'	T B	6	-7.616	-33.024	87.013	1.00	0.00	O

ATOM	755	C5'	T B	6	-8.035	-30.660	87.282	1.00	0.00	C
ATOM	756	O5'	T B	6	-7.605	-30.458	88.653	1.00	0.00	O
ATOM	757	O1P	T B	6	-9.085	-28.588	89.455	1.00	0.00	O
ATOM	758	O2P	T B	6	-6.816	-28.919	90.475	1.00	0.00	O
ATOM	759	P	T B	6	-7.676	-28.988	89.269	1.00	0.00	P
ATOM	760	H3	T B	6	-3.367	-35.531	88.493	1.00	0.00	H
ATOM	761	H6	T B	6	-6.240	-31.808	89.558	1.00	0.00	H
ATOM	762	H1'	T B	6	-7.766	-34.799	87.995	1.00	0.00	H
ATOM	763	H3'	T B	6	-10.005	-31.675	88.826	1.00	0.00	H
ATOM	764	H4'	T B	6	-9.341	-31.991	86.283	1.00	0.00	H
ATOM	765	H71	T B	6	-4.162	-31.378	91.449	1.00	0.00	H
ATOM	766	H72	T B	6	-2.625	-31.599	90.577	1.00	0.00	H
ATOM	767	H73	T B	6	-3.879	-30.523	89.913	1.00	0.00	H
ATOM	768	H2'1	T B	6	-7.978	-32.427	89.871	1.00	0.00	H
ATOM	769	H2'2	T B	6	-8.914	-33.915	89.873	1.00	0.00	H
ATOM	770	H5'1	T B	6	-7.177	-30.598	86.613	1.00	0.00	H
ATOM	771	H5'2	T B	6	-8.760	-29.897	87.007	1.00	0.00	H
ATOM	772	C1'	C B	7	-8.207	-38.573	89.231	1.00	0.00	C
ATOM	773	N1	C B	7	-7.215	-37.774	90.004	1.00	0.00	N
ATOM	774	C2	C B	7	-5.924	-38.282	90.129	1.00	0.00	C
ATOM	775	O2	C B	7	-5.654	-39.367	89.597	1.00	0.00	O
ATOM	776	N3	C B	7	-5.006	-37.571	90.828	1.00	0.00	N
ATOM	777	C4	C B	7	-5.328	-36.400	91.393	1.00	0.00	C
ATOM	778	N4	C B	7	-4.391	-35.745	92.062	1.00	0.00	N
ATOM	779	C5	C B	7	-6.650	-35.854	91.285	1.00	0.00	C
ATOM	780	C6	C B	7	-7.556	-36.587	90.571	1.00	0.00	C
ATOM	781	C2'	C B	7	-9.611	-38.541	89.818	1.00	0.00	C
ATOM	782	C3'	C B	7	-10.476	-38.560	88.567	1.00	0.00	C
ATOM	783	O3'	C B	7	-10.652	-39.909	88.140	1.00	0.00	O
ATOM	784	C4'	C B	7	-9.656	-37.742	87.573	1.00	0.00	C
ATOM	785	O4'	C B	7	-8.266	-38.036	87.923	1.00	0.00	O
ATOM	786	C5'	C B	7	-9.856	-36.244	87.609	1.00	0.00	C
ATOM	787	O5'	C B	7	-10.059	-35.811	88.976	1.00	0.00	O
ATOM	788	O1P	C B	7	-12.436	-34.982	88.978	1.00	0.00	O
ATOM	789	O2P	C B	7	-10.778	-34.039	90.607	1.00	0.00	O
ATOM	790	P	C B	7	-11.042	-34.584	89.254	1.00	0.00	P
ATOM	791	H5	C B	7	-6.918	-34.906	91.749	1.00	0.00	H
ATOM	792	H6	C B	7	-8.572	-36.210	90.455	1.00	0.00	H
ATOM	793	H1'	C B	7	-7.837	-39.596	89.157	1.00	0.00	H
ATOM	794	H3'	C B	7	-11.453	-38.105	88.740	1.00	0.00	H
ATOM	795	H4'	C B	7	-9.927	-38.089	86.576	1.00	0.00	H
ATOM	796	H41	C B	7	-4.612	-34.840	92.503	1.00	0.00	H
ATOM	797	H42	C B	7	-3.441	-36.139	92.141	1.00	0.00	H
ATOM	798	H2'1	C B	7	-9.791	-37.646	90.411	1.00	0.00	H
ATOM	799	H2'2	C B	7	-9.813	-39.402	90.454	1.00	0.00	H
ATOM	800	H5'1	C B	7	-8.975	-35.755	87.193	1.00	0.00	H
ATOM	801	H5'2	C B	7	-10.726	-35.985	87.007	1.00	0.00	H
ATOM	802	C1'	C B	8	-6.818	-43.018	90.917	1.00	0.00	C
ATOM	803	N1	C B	8	-6.642	-41.802	91.756	1.00	0.00	N
ATOM	804	C2	C B	8	-5.385	-41.566	92.310	1.00	0.00	C
ATOM	805	O2	C B	8	-4.473	-42.371	92.081	1.00	0.00	O
ATOM	806	N3	C B	8	-5.204	-40.464	93.076	1.00	0.00	N
ATOM	807	C4	C B	8	-6.212	-39.611	93.305	1.00	0.00	C
ATOM	808	N4	C B	8	-5.977	-38.548	94.060	1.00	0.00	N

ATOM	809	C5	C B	8	-7.518	-39.829	92.754	1.00	0.00	C
ATOM	810	C6	C B	8	-7.675	-40.945	91.979	1.00	0.00	C
ATOM	811	C2'	C B	8	-8.168	-43.699	91.097	1.00	0.00	C
ATOM	812	C3'	C B	8	-8.463	-44.197	89.691	1.00	0.00	C
ATOM	813	O3'	C B	8	-7.820	-45.455	89.496	1.00	0.00	O
ATOM	814	C4'	C B	8	-7.866	-43.101	88.810	1.00	0.00	C
ATOM	815	O4'	C B	8	-6.704	-42.626	89.562	1.00	0.00	O
ATOM	816	C5'	C B	8	-8.761	-41.923	88.507	1.00	0.00	C
ATOM	817	O5'	C B	8	-9.577	-41.615	89.668	1.00	0.00	O
ATOM	818	O1P	C B	8	-11.913	-42.133	88.889	1.00	0.00	O
ATOM	819	O2P	C B	8	-11.539	-40.425	90.688	1.00	0.00	O
ATOM	820	P	C B	8	-11.055	-41.067	89.441	1.00	0.00	P
ATOM	821	H5	C B	8	-8.342	-39.143	92.943	1.00	0.00	H
ATOM	822	H6	C B	8	-8.648	-41.149	91.532	1.00	0.00	H
ATOM	823	H1'	C B	8	-6.001	-43.706	91.137	1.00	0.00	H
ATOM	824	H3'	C B	8	-9.531	-44.307	89.513	1.00	0.00	H
ATOM	825	H4'	C B	8	-7.600	-43.567	87.861	1.00	0.00	H
ATOM	826	H41	C B	8	-6.734	-37.875	94.249	1.00	0.00	H
ATOM	827	H42	C B	8	-5.039	-38.394	94.457	1.00	0.00	H
ATOM	828	H2'1	C B	8	-8.936	-43.009	91.442	1.00	0.00	H
ATOM	829	H2'2	C B	8	-8.122	-44.524	91.810	1.00	0.00	H
ATOM	830	H5'1	C B	8	-8.145	-41.060	88.253	1.00	0.00	H
ATOM	831	H5'2	C B	8	-9.402	-42.167	87.662	1.00	0.00	H
ATOM	832	C1'	T B	9	-4.100	-46.076	93.702	1.00	0.00	C
ATOM	833	N1	T B	9	-4.792	-44.916	94.323	1.00	0.00	N
ATOM	834	C2	T B	9	-4.033	-44.080	95.118	1.00	0.00	C
ATOM	835	O2	T B	9	-2.846	-44.264	95.319	1.00	0.00	O
ATOM	836	N3	T B	9	-4.716	-43.014	95.673	1.00	0.00	N
ATOM	837	C4	T B	9	-6.052	-42.721	95.511	1.00	0.00	C
ATOM	838	O4	T B	9	-6.556	-41.735	96.064	1.00	0.00	O
ATOM	839	C5	T B	9	-6.764	-43.649	94.663	1.00	0.00	C
ATOM	840	C6	T B	9	-6.130	-44.698	94.104	1.00	0.00	C
ATOM	841	C7	T B	9	-8.222	-43.365	94.457	1.00	0.00	C
ATOM	842	C2'	T B	9	-4.950	-47.341	93.647	1.00	0.00	C
ATOM	843	C3'	T B	9	-4.514	-47.959	92.328	1.00	0.00	C
ATOM	844	O3'	T B	9	-3.332	-48.726	92.538	1.00	0.00	O
ATOM	845	C4'	T B	9	-4.262	-46.737	91.447	1.00	0.00	C
ATOM	846	O4'	T B	9	-3.764	-45.721	92.375	1.00	0.00	O
ATOM	847	C5'	T B	9	-5.460	-46.178	90.714	1.00	0.00	C
ATOM	848	O5'	T B	9	-6.641	-46.292	91.548	1.00	0.00	O
ATOM	849	O1P	T B	9	-8.077	-47.939	90.301	1.00	0.00	O
ATOM	850	O2P	T B	9	-9.140	-46.224	91.792	1.00	0.00	O
ATOM	851	P	T B	9	-8.048	-46.568	90.851	1.00	0.00	P
ATOM	852	H3	T B	9	-4.170	-42.375	96.267	1.00	0.00	H
ATOM	853	H6	T B	9	-6.688	-45.385	93.468	1.00	0.00	H
ATOM	854	H1'	T B	9	-3.173	-46.253	94.246	1.00	0.00	H
ATOM	855	H3'	T B	9	-5.289	-48.597	91.903	1.00	0.00	H
ATOM	856	H4'	T B	9	-3.523	-47.032	90.701	1.00	0.00	H
ATOM	857	H71	T B	9	-8.815	-44.162	94.906	1.00	0.00	H
ATOM	858	H72	T B	9	-8.478	-42.414	94.925	1.00	0.00	H
ATOM	859	H73	T B	9	-8.434	-43.312	93.388	1.00	0.00	H
ATOM	860	H2'1	T B	9	-6.017	-47.122	93.651	1.00	0.00	H
ATOM	861	H2'2	T B	9	-4.750	-48.009	94.485	1.00	0.00	H
ATOM	862	H5'1	T B	9	-5.276	-45.131	90.474	1.00	0.00	H

ATOM	863	H5'2	T B	9	-5.605	-46.737	89.791	1.00	0.00	H
ATOM	864	C1'	A B	10	-1.298	-47.197	97.642	1.00	0.00	C
ATOM	865	N1	A B	10	-3.842	-43.326	99.850	1.00	0.00	N
ATOM	866	C2	A B	10	-2.562	-43.686	99.867	1.00	0.00	C
ATOM	867	N3	A B	10	-1.971	-44.699	99.271	1.00	0.00	N
ATOM	868	C4	A B	10	-2.867	-45.417	98.571	1.00	0.00	C
ATOM	869	C5	A B	10	-4.210	-45.182	98.451	1.00	0.00	C
ATOM	870	C6	A B	10	-4.713	-44.061	99.142	1.00	0.00	C
ATOM	871	N6	A B	10	-6.011	-43.707	99.115	1.00	0.00	N
ATOM	872	N7	A B	10	-4.812	-46.133	97.646	1.00	0.00	N
ATOM	873	C8	A B	10	-3.834	-46.917	97.304	1.00	0.00	C
ATOM	874	N9	A B	10	-2.622	-46.542	97.825	1.00	0.00	N
ATOM	875	C2'	A B	10	-1.366	-48.718	97.605	1.00	0.00	C
ATOM	876	C3'	A B	10	-0.286	-49.060	96.590	1.00	0.00	C
ATOM	877	O3'	A B	10	0.978	-49.100	97.248	1.00	0.00	O
ATOM	878	C4'	A B	10	-0.381	-47.906	95.592	1.00	0.00	C
ATOM	879	O4'	A B	10	-0.766	-46.754	96.409	1.00	0.00	O
ATOM	880	C5'	A B	10	-1.385	-48.065	94.476	1.00	0.00	C
ATOM	881	O5'	A B	10	-2.565	-48.748	94.971	1.00	0.00	O
ATOM	882	O1P	A B	10	-2.538	-50.934	93.723	1.00	0.00	O
ATOM	883	O2P	A B	10	-4.713	-49.973	94.525	1.00	0.00	O
ATOM	884	P	A B	10	-3.350	-49.732	93.991	1.00	0.00	P
ATOM	885	H2	A B	10	-1.909	-43.050	100.464	1.00	0.00	H
ATOM	886	H8	A B	10	-3.964	-47.789	96.663	1.00	0.00	H
ATOM	887	H1'	A B	10	-0.636	-46.855	98.437	1.00	0.00	H
ATOM	888	H3'	A B	10	-0.472	-50.016	96.103	1.00	0.00	H
ATOM	889	H4'	A B	10	0.605	-47.797	95.140	1.00	0.00	H
ATOM	890	H61	A B	10	-6.327	-42.877	99.636	1.00	0.00	H
ATOM	891	H62	A B	10	-6.686	-44.266	98.576	1.00	0.00	H
ATOM	892	H2'1	A B	10	-2.342	-49.081	97.281	1.00	0.00	H
ATOM	893	H2'2	A B	10	-1.153	-49.166	98.576	1.00	0.00	H
ATOM	894	H5'1	A B	10	-1.661	-47.080	94.100	1.00	0.00	H
ATOM	895	H5'2	A B	10	-0.937	-48.644	93.670	1.00	0.00	H
ATOM	896	C1'	G B	11	0.238	-46.586	102.323	1.00	0.00	C
ATOM	897	N1	G B	11	-4.393	-44.553	102.995	1.00	0.00	N
ATOM	898	C2	G B	11	-3.161	-44.132	103.466	1.00	0.00	C
ATOM	899	N2	G B	11	-3.165	-43.023	104.215	1.00	0.00	N
ATOM	900	N3	G B	11	-2.019	-44.766	103.206	1.00	0.00	N
ATOM	901	C4	G B	11	-2.204	-45.872	102.439	1.00	0.00	C
ATOM	902	C5	G B	11	-3.392	-46.369	101.929	1.00	0.00	C
ATOM	903	C6	G B	11	-4.605	-45.696	102.200	1.00	0.00	C
ATOM	904	O6	G B	11	-5.748	-45.980	101.841	1.00	0.00	O
ATOM	905	N7	G B	11	-3.151	-47.530	101.190	1.00	0.00	N
ATOM	906	C8	G B	11	-1.856	-47.693	101.271	1.00	0.00	C
ATOM	907	N9	G B	11	-1.210	-46.727	102.014	1.00	0.00	N
ATOM	908	C2'	G B	11	0.945	-47.911	102.570	1.00	0.00	C
ATOM	909	C3'	G B	11	2.317	-47.657	101.967	1.00	0.00	C
ATOM	910	O3'	G B	11	3.138	-47.005	102.932	1.00	0.00	O
ATOM	911	C4'	G B	11	2.003	-46.756	100.773	1.00	0.00	C
ATOM	912	O4'	G B	11	0.857	-45.961	101.215	1.00	0.00	O
ATOM	913	C5'	G B	11	1.639	-47.454	99.484	1.00	0.00	C
ATOM	914	O5'	G B	11	0.863	-48.644	99.772	1.00	0.00	O
ATOM	915	O1P	G B	11	2.370	-50.517	99.031	1.00	0.00	O
ATOM	916	O2P	G B	11	-0.118	-50.831	99.020	1.00	0.00	O



ATOM	917	P	G B	11	1.036	-49.920	98.831	1.00	0.00	P
ATOM	918	H1	G B	11	-5.216	-43.987	103.247	1.00	0.00	H
ATOM	919	H8	G B	11	-1.333	-48.521	100.794	1.00	0.00	H
ATOM	920	H1'	G B	11	0.342	-45.921	103.182	1.00	0.00	H
ATOM	921	H21	G B	11	-4.052	-42.536	104.408	1.00	0.00	H
ATOM	922	H3'	G B	11	2.800	-48.580	101.647	1.00	0.00	H
ATOM	923	H22	G B	11	-2.281	-42.659	104.599	1.00	0.00	H
ATOM	924	H4'	G B	11	2.892	-46.155	100.587	1.00	0.00	H
ATOM	925	H2'1	G B	11	0.443	-48.745	102.077	1.00	0.00	H
ATOM	926	H2'2	G B	11	1.015	-48.151	103.630	1.00	0.00	H
ATOM	927	H5'1	G B	11	1.056	-46.775	98.863	1.00	0.00	H
ATOM	928	H5'2	G B	11	2.552	-47.729	98.957	1.00	0.00	H
ATOM	929	C1'	G B	12	-0.291	-45.150	107.034	1.00	0.00	C
ATOM	930	N1	G B	12	-5.261	-45.781	106.072	1.00	0.00	N
ATOM	931	C2	G B	12	-4.610	-44.772	106.760	1.00	0.00	C
ATOM	932	N2	G B	12	-5.388	-43.803	107.260	1.00	0.00	N
ATOM	933	N3	G B	12	-3.292	-44.733	106.934	1.00	0.00	N
ATOM	934	C4	G B	12	-2.664	-45.797	106.369	1.00	0.00	C
ATOM	935	C5	G B	12	-3.228	-46.849	105.669	1.00	0.00	C
ATOM	936	C6	G B	12	-4.627	-46.891	105.480	1.00	0.00	C
ATOM	937	O6	G B	12	-5.308	-47.733	104.895	1.00	0.00	O
ATOM	938	N7	G B	12	-2.236	-47.740	105.252	1.00	0.00	N
ATOM	939	C8	G B	12	-1.128	-47.209	105.698	1.00	0.00	C
ATOM	940	N9	G B	12	-1.305	-46.028	106.388	1.00	0.00	N
ATOM	941	C2'	G B	12	0.844	-45.915	107.703	1.00	0.00	C
ATOM	942	C3'	G B	12	2.035	-45.005	107.444	1.00	0.00	C
ATOM	943	O3'	G B	12	2.080	-43.995	108.450	1.00	0.00	O
ATOM	944	C4'	G B	12	1.729	-44.430	106.062	1.00	0.00	C
ATOM	945	O4'	G B	12	0.270	-44.328	106.029	1.00	0.00	O
ATOM	946	C5'	G B	12	2.183	-45.251	104.878	1.00	0.00	C
ATOM	947	O5'	G B	12	2.029	-46.662	105.172	1.00	0.00	O
ATOM	948	O1P	G B	12	4.399	-47.509	105.220	1.00	0.00	O
ATOM	949	O2P	G B	12	2.524	-49.063	104.617	1.00	0.00	O
ATOM	950	P	G B	12	3.087	-47.692	104.568	1.00	0.00	P
ATOM	951	H1	G B	12	-6.287	-45.715	105.987	1.00	0.00	H
ATOM	952	H8	G B	12	-0.147	-47.660	105.541	1.00	0.00	H
ATOM	953	H1'	G B	12	-0.803	-44.506	107.748	1.00	0.00	H
ATOM	954	H21	G B	12	-6.408	-43.838	107.118	1.00	0.00	H
ATOM	955	H3'	G B	12	2.976	-45.555	107.442	1.00	0.00	H
ATOM	956	H22	G B	12	-4.966	-43.025	107.784	1.00	0.00	H
ATOM	957	H4'	G B	12	2.225	-43.462	106.004	1.00	0.00	H
ATOM	958	H2'1	G B	12	0.994	-46.900	107.263	1.00	0.00	H
ATOM	959	H2'2	G B	12	0.675	-46.054	108.770	1.00	0.00	H
ATOM	960	H5'1	G B	12	1.581	-44.989	104.008	1.00	0.00	H
ATOM	961	H5'2	G B	12	3.230	-45.031	104.670	1.00	0.00	H
ATOM	962	C1'	T B	13	-2.907	-44.052	111.089	1.00	0.00	C
ATOM	963	N1	T B	13	-3.134	-45.338	110.378	1.00	0.00	N
ATOM	964	C2	T B	13	-4.437	-45.657	110.048	1.00	0.00	C
ATOM	965	O2	T B	13	-5.379	-44.933	110.317	1.00	0.00	O
ATOM	966	N3	T B	13	-4.601	-46.860	109.388	1.00	0.00	N
ATOM	967	C4	T B	13	-3.606	-47.750	109.042	1.00	0.00	C
ATOM	968	O4	T B	13	-3.876	-48.804	108.452	1.00	0.00	O
ATOM	969	C5	T B	13	-2.278	-47.332	109.426	1.00	0.00	C
ATOM	970	C6	T B	13	-2.080	-46.165	110.070	1.00	0.00	C

ATOM	971	C7	T B	13	-1.163	-48.268	109.066	1.00	0.00	C
ATOM	972	C2'	T B	13	-1.822	-44.123	112.155	1.00	0.00	C
ATOM	973	C3'	T B	13	-1.182	-42.747	112.048	1.00	0.00	C
ATOM	974	O3'	T B	13	-1.932	-41.820	112.829	1.00	0.00	O
ATOM	975	C4'	T B	13	-1.270	-42.448	110.553	1.00	0.00	C
ATOM	976	O4'	T B	13	-2.513	-43.092	110.128	1.00	0.00	O
ATOM	977	C5'	T B	13	-0.139	-42.967	109.695	1.00	0.00	C
ATOM	978	O5'	T B	13	0.302	-44.256	110.195	1.00	0.00	O
ATOM	979	O1P	T B	13	2.640	-43.798	111.003	1.00	0.00	O
ATOM	980	O2P	T B	13	2.007	-46.102	110.236	1.00	0.00	O
ATOM	981	P	T B	13	1.846	-44.636	110.082	1.00	0.00	P
ATOM	982	H3	T B	13	-5.564	-47.118	109.128	1.00	0.00	H
ATOM	983	H6	T B	13	-1.069	-45.870	110.351	1.00	0.00	H
ATOM	984	H1'	T B	13	-3.855	-43.727	111.518	1.00	0.00	H
ATOM	985	H3'	T B	13	-0.146	-42.752	112.389	1.00	0.00	H
ATOM	986	H4'	T B	13	-1.293	-41.363	110.449	1.00	0.00	H
ATOM	987	H71	T B	13	-0.715	-48.667	109.976	1.00	0.00	H
ATOM	988	H72	T B	13	-1.558	-49.090	108.466	1.00	0.00	H
ATOM	989	H73	T B	13	-0.406	-47.731	108.493	1.00	0.00	H
ATOM	990	H2'1	T B	13	-1.099	-44.913	111.958	1.00	0.00	H
ATOM	991	H2'2	T B	13	-2.230	-44.293	113.152	1.00	0.00	H
ATOM	992	H5'1	T B	13	-0.486	-43.069	108.668	1.00	0.00	H
ATOM	993	H5'2	T B	13	0.688	-42.260	109.727	1.00	0.00	H
ATOM	994	C1'	G B	14	-6.906	-44.376	114.015	1.00	0.00	C
ATOM	995	N1	G B	14	-7.532	-48.893	111.726	1.00	0.00	N
ATOM	996	C2	G B	14	-8.465	-47.923	112.046	1.00	0.00	C
ATOM	997	N2	G B	14	-9.733	-48.191	111.713	1.00	0.00	N
ATOM	998	N3	G B	14	-8.156	-46.775	112.648	1.00	0.00	N
ATOM	999	C4	G B	14	-6.827	-46.673	112.917	1.00	0.00	C
ATOM	1000	C5	G B	14	-5.828	-47.589	112.640	1.00	0.00	C
ATOM	1001	C6	G B	14	-6.153	-48.806	111.997	1.00	0.00	C
ATOM	1002	O6	G B	14	-5.412	-49.735	111.672	1.00	0.00	O
ATOM	1003	N7	G B	14	-4.593	-47.106	113.080	1.00	0.00	N
ATOM	1004	C8	G B	14	-4.878	-45.937	113.596	1.00	0.00	C
ATOM	1005	N9	G B	14	-6.216	-45.605	113.535	1.00	0.00	N
ATOM	1006	C2'	G B	14	-6.349	-43.832	115.324	1.00	0.00	C
ATOM	1007	C3'	G B	14	-6.478	-42.331	115.125	1.00	0.00	C
ATOM	1008	O3'	G B	14	-7.797	-41.923	115.480	1.00	0.00	O
ATOM	1009	C4'	G B	14	-6.204	-42.163	113.631	1.00	0.00	C
ATOM	1010	O4'	G B	14	-6.747	-43.379	113.026	1.00	0.00	O
ATOM	1011	C5'	G B	14	-4.756	-42.025	113.225	1.00	0.00	C
ATOM	1012	O5'	G B	14	-3.929	-42.869	114.065	1.00	0.00	O
ATOM	1013	O1P	G B	14	-2.539	-41.219	115.361	1.00	0.00	O
ATOM	1014	O2P	G B	14	-1.658	-43.525	114.918	1.00	0.00	O
ATOM	1015	P	G B	14	-2.461	-42.372	114.444	1.00	0.00	P
ATOM	1016	H1	G B	14	-7.874	-49.743	111.253	1.00	0.00	H
ATOM	1017	H8	G B	14	-4.124	-45.284	114.036	1.00	0.00	H
ATOM	1018	H1'	G B	14	-7.971	-44.594	114.104	1.00	0.00	H
ATOM	1019	H21	G B	14	-9.964	-49.080	111.244	1.00	0.00	H
ATOM	1020	H3'	G B	14	-5.755	-41.776	115.721	1.00	0.00	H
ATOM	1021	H22	G B	14	-10.476	-47.511	111.927	1.00	0.00	H
ATOM	1022	H4'	G B	14	-6.726	-41.259	113.313	1.00	0.00	H
ATOM	1023	H2'1	G B	14	-5.312	-44.124	115.485	1.00	0.00	H
ATOM	1024	H2'2	G B	14	-6.921	-44.169	116.188	1.00	0.00	H

ATOM	1025	H5 '1	G B	14	-4.646	-42.322	112.183	1.00	0.00	H
ATOM	1026	H5 '2	G B	14	-4.451	-40.984	113.335	1.00	0.00	H
ATOM	1027	C1 '	C B	15	-10.942	-46.615	115.809	1.00	0.00	C
ATOM	1028	N1	C B	15	-9.638	-47.329	115.764	1.00	0.00	N
ATOM	1029	C2	C B	15	-9.604	-48.591	115.174	1.00	0.00	C
ATOM	1030	O2	C B	15	-10.652	-49.063	114.715	1.00	0.00	O
ATOM	1031	N3	C B	15	-8.425	-49.258	115.123	1.00	0.00	N
ATOM	1032	C4	C B	15	-7.308	-48.722	115.630	1.00	0.00	C
ATOM	1033	N4	C B	15	-6.182	-49.416	115.550	1.00	0.00	N
ATOM	1034	C5	C B	15	-7.314	-47.426	116.248	1.00	0.00	C
ATOM	1035	C6	C B	15	-8.510	-46.773	116.284	1.00	0.00	C
ATOM	1036	C2 '	C B	15	-11.169	-45.830	117.093	1.00	0.00	C
ATOM	1037	C3 '	C B	15	-11.928	-44.612	116.591	1.00	0.00	C
ATOM	1038	O3 '	C B	15	-13.317	-44.927	116.504	1.00	0.00	O
ATOM	1039	C4 '	C B	15	-11.306	-44.365	115.219	1.00	0.00	C
ATOM	1040	O4 '	C B	15	-10.971	-45.702	114.728	1.00	0.00	O
ATOM	1041	C5 '	C B	15	-10.056	-43.515	115.191	1.00	0.00	C
ATOM	1042	O5 '	C B	15	-9.248	-43.795	116.361	1.00	0.00	O
ATOM	1043	O1P	C B	15	-9.317	-41.632	117.648	1.00	0.00	O
ATOM	1044	O2P	C B	15	-7.351	-43.172	117.891	1.00	0.00	O
ATOM	1045	P	C B	15	-8.406	-42.608	117.015	1.00	0.00	P
ATOM	1046	H5	C B	15	-6.407	-46.990	116.668	1.00	0.00	H
ATOM	1047	H6	C B	15	-8.564	-45.782	116.738	1.00	0.00	H
ATOM	1048	H1 '	C B	15	-11.736	-47.346	115.653	1.00	0.00	H
ATOM	1049	H3 '	C B	15	-11.793	-43.749	117.244	1.00	0.00	H
ATOM	1050	H4 '	C B	15	-12.061	-43.865	114.613	1.00	0.00	H
ATOM	1051	H41	C B	15	-5.308	-49.025	115.930	1.00	0.00	H
ATOM	1052	H42	C B	15	-6.181	-50.348	115.109	1.00	0.00	H
ATOM	1053	H2 '1	C B	15	-10.233	-45.544	117.574	1.00	0.00	H
ATOM	1054	H2 '2	C B	15	-11.754	-46.389	117.824	1.00	0.00	H
ATOM	1055	H5 '1	C B	15	-9.488	-43.742	114.289	1.00	0.00	H
ATOM	1056	H5 '2	C B	15	-10.340	-42.463	115.183	1.00	0.00	H
ATOM	1057	C1 '	G B	16	-13.734	-50.564	116.874	1.00	0.00	C
ATOM	1058	N1	G B	16	-9.258	-53.010	116.910	1.00	0.00	N
ATOM	1059	C2	G B	16	-10.475	-53.394	116.375	1.00	0.00	C
ATOM	1060	N2	G B	16	-10.503	-54.589	115.771	1.00	0.00	N
ATOM	1061	N3	G B	16	-11.575	-52.645	116.437	1.00	0.00	N
ATOM	1062	C4	G B	16	-11.364	-51.472	117.089	1.00	0.00	C
ATOM	1063	C5	G B	16	-10.190	-51.009	117.658	1.00	0.00	C
ATOM	1064	C6	G B	16	-9.020	-51.801	117.590	1.00	0.00	C
ATOM	1065	O6	G B	16	-7.895	-51.564	118.029	1.00	0.00	O
ATOM	1066	N7	G B	16	-10.394	-49.754	118.236	1.00	0.00	N
ATOM	1067	C8	G B	16	-11.657	-49.501	118.003	1.00	0.00	C
ATOM	1068	N9	G B	16	-12.314	-50.499	117.312	1.00	0.00	N
ATOM	1069	C2 '	G B	16	-14.713	-49.971	117.877	1.00	0.00	C
ATOM	1070	C3 '	G B	16	-15.756	-49.340	116.969	1.00	0.00	C
ATOM	1071	O3 '	G B	16	-16.704	-50.332	116.585	1.00	0.00	O
ATOM	1072	C4 '	G B	16	-14.924	-48.848	115.786	1.00	0.00	C
ATOM	1073	O4 '	G B	16	-13.848	-49.834	115.669	1.00	0.00	O
ATOM	1074	C5 '	G B	16	-14.309	-47.476	115.922	1.00	0.00	C
ATOM	1075	O5 '	G B	16	-13.894	-47.258	117.293	1.00	0.00	O
ATOM	1076	O1P	G B	16	-15.410	-45.407	118.074	1.00	0.00	O
ATOM	1077	O2P	G B	16	-13.146	-45.696	119.114	1.00	0.00	O
ATOM	1078	P	G B	16	-13.996	-45.786	117.902	1.00	0.00	P

ATOM	1079	H1	G B	16	-8.465	-53.661	116.801	1.00	0.00	H
ATOM	1080	H8	G B	16	-12.147	-48.583	118.326	1.00	0.00	H
ATOM	1081	H1'	G B	16	-13.978	-51.605	116.659	1.00	0.00	H
ATOM	1082	H21	G B	16	-9.649	-55.161	115.723	1.00	0.00	H
ATOM	1083	H3'	G B	16	-16.275	-48.513	117.454	1.00	0.00	H
ATOM	1084	H22	G B	16	-11.380	-54.932	115.354	1.00	0.00	H
ATOM	1085	H4'	G B	16	-15.584	-48.833	114.919	1.00	0.00	H
ATOM	1086	H2'1	G B	16	-14.245	-49.225	118.521	1.00	0.00	H
ATOM	1087	H2'2	G B	16	-15.155	-50.729	118.523	1.00	0.00	H
ATOM	1088	H5'1	G B	16	-13.445	-47.403	115.260	1.00	0.00	H
ATOM	1089	H5'2	G B	16	-15.044	-46.725	115.636	1.00	0.00	H
ATOM	1090	C1'	G B	17	-14.455	-55.356	117.897	1.00	0.00	C
ATOM	1091	N1	G B	17	-9.639	-55.139	119.566	1.00	0.00	N
ATOM	1092	C2	G B	17	-10.275	-56.111	118.813	1.00	0.00	C
ATOM	1093	N2	G B	17	-9.530	-57.164	118.460	1.00	0.00	N
ATOM	1094	N3	G B	17	-11.552	-56.035	118.442	1.00	0.00	N
ATOM	1095	C4	G B	17	-12.155	-54.904	118.894	1.00	0.00	C
ATOM	1096	C5	G B	17	-11.603	-53.885	119.651	1.00	0.00	C
ATOM	1097	C6	G B	17	-10.247	-53.962	120.042	1.00	0.00	C
ATOM	1098	O6	G B	17	-9.584	-53.166	120.708	1.00	0.00	O
ATOM	1099	N7	G B	17	-12.560	-52.901	119.907	1.00	0.00	N
ATOM	1100	C8	G B	17	-13.635	-53.342	119.308	1.00	0.00	C
ATOM	1101	N9	G B	17	-13.469	-54.554	118.671	1.00	0.00	N
ATOM	1102	C2'	G B	17	-15.862	-55.324	118.478	1.00	0.00	C
ATOM	1103	C3'	G B	17	-16.724	-55.348	117.226	1.00	0.00	C
ATOM	1104	O3'	G B	17	-16.896	-56.699	116.802	1.00	0.00	O
ATOM	1105	C4'	G B	17	-15.900	-54.531	116.231	1.00	0.00	C
ATOM	1106	O4'	G B	17	-14.512	-54.824	116.588	1.00	0.00	O
ATOM	1107	C5'	G B	17	-16.103	-53.035	116.261	1.00	0.00	C
ATOM	1108	O5'	G B	17	-16.310	-52.596	117.626	1.00	0.00	O
ATOM	1109	O1P	G B	17	-18.689	-51.772	117.618	1.00	0.00	O
ATOM	1110	O2P	G B	17	-17.038	-50.821	119.251	1.00	0.00	O
ATOM	1111	P	G B	17	-17.296	-51.371	117.897	1.00	0.00	P
ATOM	1112	H1	G B	17	-8.645	-55.291	119.796	1.00	0.00	H
ATOM	1113	H8	G B	17	-14.581	-52.800	119.312	1.00	0.00	H
ATOM	1114	H1'	G B	17	-14.084	-56.378	117.828	1.00	0.00	H
ATOM	1115	H21	G B	17	-8.541	-57.215	118.747	1.00	0.00	H
ATOM	1116	H3'	G B	17	-17.701	-54.894	117.392	1.00	0.00	H
ATOM	1117	H22	G B	17	-9.945	-57.924	117.901	1.00	0.00	H
ATOM	1118	H4'	G B	17	-16.167	-54.883	115.235	1.00	0.00	H
ATOM	1119	H2'1	G B	17	-16.045	-54.427	119.069	1.00	0.00	H
ATOM	1120	H2'2	G B	17	-16.066	-56.183	119.117	1.00	0.00	H
ATOM	1121	H5'1	G B	17	-15.221	-52.546	115.847	1.00	0.00	H
ATOM	1122	H5'2	G B	17	-16.972	-52.780	115.655	1.00	0.00	H
ATOM	1123	C1'	C B	18	-13.067	-59.802	119.582	1.00	0.00	C
ATOM	1124	N1	C B	18	-12.892	-58.585	120.422	1.00	0.00	N
ATOM	1125	C2	C B	18	-11.634	-58.350	120.973	1.00	0.00	C
ATOM	1126	O2	C B	18	-10.721	-59.155	120.746	1.00	0.00	O
ATOM	1127	N3	C B	18	-11.454	-57.248	121.741	1.00	0.00	N
ATOM	1128	C4	C B	18	-12.462	-56.396	121.969	1.00	0.00	C
ATOM	1129	N4	C B	18	-12.228	-55.333	122.726	1.00	0.00	N
ATOM	1130	C5	C B	18	-13.765	-56.615	121.416	1.00	0.00	C
ATOM	1131	C6	C B	18	-13.922	-57.728	120.645	1.00	0.00	C
ATOM	1132	C2'	C B	18	-14.417	-60.483	119.763	1.00	0.00	C

ATOM	1133	C3'	C B	18	-14.712	-60.981	118.356	1.00	0.00	C
ATOM	1134	O3'	C B	18	-14.069	-62.239	118.161	1.00	0.00	O
ATOM	1135	C4'	C B	18	-14.115	-59.885	117.476	1.00	0.00	C
ATOM	1136	O4'	C B	18	-12.953	-59.409	118.227	1.00	0.00	O
ATOM	1137	C5'	C B	18	-15.010	-58.707	117.173	1.00	0.00	C
ATOM	1138	O5'	C B	18	-15.826	-58.399	118.332	1.00	0.00	O
ATOM	1139	O1P	C B	18	-18.164	-58.916	117.555	1.00	0.00	O
ATOM	1140	O2P	C B	18	-17.788	-57.207	119.354	1.00	0.00	O
ATOM	1141	P	C B	18	-17.304	-57.849	118.107	1.00	0.00	P
ATOM	1142	H5	C B	18	-14.589	-55.926	121.602	1.00	0.00	H
ATOM	1143	H6	C B	18	-14.895	-57.934	120.200	1.00	0.00	H
ATOM	1144	H1'	C B	18	-12.250	-60.489	119.802	1.00	0.00	H
ATOM	1145	H3'	C B	18	-15.781	-61.091	118.178	1.00	0.00	H
ATOM	1146	H4'	C B	18	-13.848	-60.350	116.527	1.00	0.00	H
ATOM	1147	H41	C B	18	-12.987	-54.661	122.915	1.00	0.00	H
ATOM	1148	H42	C B	18	-11.291	-55.179	123.122	1.00	0.00	H
ATOM	1149	H2'1	C B	18	-15.185	-59.793	120.108	1.00	0.00	H
ATOM	1150	H2'2	C B	18	-14.372	-61.307	120.476	1.00	0.00	H
ATOM	1151	H5'1	C B	18	-14.394	-57.843	116.918	1.00	0.00	H
ATOM	1152	H5'2	C B	18	-15.651	-58.951	116.328	1.00	0.00	H
ATOM	1153	C1'	C B	19	-10.341	-62.845	122.381	1.00	0.00	C
ATOM	1154	N1	C B	19	-11.051	-61.688	122.991	1.00	0.00	N
ATOM	1155	C2	C B	19	-10.317	-60.821	123.799	1.00	0.00	C
ATOM	1156	O2	C B	19	-9.112	-61.045	123.974	1.00	0.00	O
ATOM	1157	N3	C B	19	-10.947	-59.764	124.363	1.00	0.00	N
ATOM	1158	C4	C B	19	-12.253	-59.548	124.154	1.00	0.00	C
ATOM	1159	N4	C B	19	-12.817	-58.499	124.730	1.00	0.00	N
ATOM	1160	C5	C B	19	-13.030	-60.423	123.330	1.00	0.00	C
ATOM	1161	C6	C B	19	-12.376	-61.480	122.772	1.00	0.00	C
ATOM	1162	C2'	C B	19	-11.171	-64.117	122.328	1.00	0.00	C
ATOM	1163	C3'	C B	19	-10.719	-64.736	121.013	1.00	0.00	C
ATOM	1164	O3'	C B	19	-9.527	-65.487	121.234	1.00	0.00	O
ATOM	1165	C4'	C B	19	-10.477	-63.516	120.128	1.00	0.00	C
ATOM	1166	O4'	C B	19	-10.000	-62.488	121.054	1.00	0.00	O
ATOM	1167	C5'	C B	19	-11.677	-62.975	119.386	1.00	0.00	C
ATOM	1168	O5'	C B	19	-12.862	-63.101	120.211	1.00	0.00	O
ATOM	1169	O1P	C B	19	-14.268	-64.773	118.962	1.00	0.00	O
ATOM	1170	O2P	C B	19	-15.364	-63.065	120.438	1.00	0.00	O
ATOM	1171	P	C B	19	-14.260	-63.400	119.506	1.00	0.00	P
ATOM	1172	H5	C B	19	-14.093	-60.253	123.159	1.00	0.00	H
ATOM	1173	H6	C B	19	-12.927	-62.173	122.136	1.00	0.00	H
ATOM	1174	H1'	C B	19	-9.414	-63.004	122.934	1.00	0.00	H
ATOM	1175	H3'	C B	19	-11.483	-65.387	120.586	1.00	0.00	H
ATOM	1176	H4'	C B	19	-9.730	-63.803	119.389	1.00	0.00	H
ATOM	1177	H41	C B	19	-13.820	-58.307	124.585	1.00	0.00	H
ATOM	1178	H42	C B	19	-12.254	-57.870	125.323	1.00	0.00	H
ATOM	1179	H2'1	C B	19	-12.241	-63.914	122.322	1.00	0.00	H
ATOM	1180	H2'2	C B	19	-10.967	-64.780	123.170	1.00	0.00	H
ATOM	1181	H5'1	C B	19	-11.506	-61.928	119.143	1.00	0.00	H
ATOM	1182	H5'2	C B	19	-11.809	-63.540	118.464	1.00	0.00	H
ATOM	1183	C1'	T B	20	-7.548	-63.981	126.307	1.00	0.00	C
ATOM	1184	N1	T B	20	-8.871	-63.327	126.493	1.00	0.00	N
ATOM	1185	C2	T B	20	-8.909	-62.198	127.286	1.00	0.00	C
ATOM	1186	O2	T B	20	-7.918	-61.734	127.824	1.00	0.00	O

ATOM	1187	N3	T B	20	-10.157	-61.623	127.432	1.00	0.00	N
ATOM	1188	C4	T B	20	-11.336	-62.065	126.872	1.00	0.00	C
ATOM	1189	O4	T B	20	-12.398	-61.464	127.077	1.00	0.00	O
ATOM	1190	C5	T B	20	-11.196	-63.250	126.060	1.00	0.00	C
ATOM	1191	C6	T B	20	-9.996	-63.837	125.895	1.00	0.00	C
ATOM	1192	C7	T B	20	-12.456	-63.765	125.430	1.00	0.00	C
ATOM	1193	C2'	T B	20	-7.616	-65.503	126.273	1.00	0.00	C
ATOM	1194	C3'	T B	20	-6.539	-65.845	125.254	1.00	0.00	C
ATOM	1195	O3'	T B	20	-5.272	-65.886	125.908	1.00	0.00	O
ATOM	1196	C4'	T B	20	-6.637	-64.694	124.255	1.00	0.00	C
ATOM	1197	O4'	T B	20	-7.019	-63.540	125.072	1.00	0.00	O
ATOM	1198	C5'	T B	20	-7.646	-64.854	123.143	1.00	0.00	C
ATOM	1199	O5'	T B	20	-8.825	-65.537	123.644	1.00	0.00	O
ATOM	1200	O1P	T B	20	-8.802	-67.724	122.399	1.00	0.00	O
ATOM	1201	O2P	T B	20	-10.974	-66.762	123.208	1.00	0.00	O
ATOM	1202	P	T B	20	-9.614	-66.520	122.668	1.00	0.00	P
ATOM	1203	H3	T B	20	-10.212	-60.778	128.018	1.00	0.00	H
ATOM	1204	H6	T B	20	-9.915	-64.731	125.277	1.00	0.00	H
ATOM	1205	H1'	T B	20	-6.882	-63.638	127.098	1.00	0.00	H
ATOM	1206	H3'	T B	20	-6.726	-66.803	124.770	1.00	0.00	H
ATOM	1207	H4'	T B	20	-5.652	-64.587	123.798	1.00	0.00	H
ATOM	1208	H3T	T B	20	-5.230	-66.455	126.680	1.00	0.00	H
ATOM	1209	H71	T B	20	-12.700	-64.741	125.850	1.00	0.00	H
ATOM	1210	H72	T B	20	-13.273	-63.070	125.625	1.00	0.00	H
ATOM	1211	H73	T B	20	-12.311	-63.860	124.352	1.00	0.00	H
ATOM	1212	H2'1	T B	20	-8.592	-65.866	125.954	1.00	0.00	H
ATOM	1213	H2'2	T B	20	-7.400	-65.949	127.243	1.00	0.00	H
ATOM	1214	H5'1	T B	20	-7.923	-63.869	122.766	1.00	0.00	H
ATOM	1215	H5'2	T B	20	-7.200	-65.434	122.337	1.00	0.00	H
TER										
ATOM	1	C1'	A A	1	5.233	-79.522	101.143	1.00	0.00	C
ATOM	2	N1	A A	1	0.973	-81.183	98.814	1.00	0.00	N
ATOM	3	C2	A A	1	2.260	-81.244	98.483	1.00	0.00	C
ATOM	4	N3	A A	1	3.313	-80.796	99.134	1.00	0.00	N
ATOM	5	C4	A A	1	2.934	-80.204	100.281	1.00	0.00	C
ATOM	6	C5	A A	1	1.663	-80.058	100.761	1.00	0.00	C
ATOM	7	C6	A A	1	0.626	-80.587	99.964	1.00	0.00	C
ATOM	8	N6	A A	1	-0.672	-80.519	100.308	1.00	0.00	N
ATOM	9	N7	A A	1	1.661	-79.395	101.976	1.00	0.00	N
ATOM	10	C8	A A	1	2.918	-79.154	102.201	1.00	0.00	C
ATOM	11	N9	A A	1	3.751	-79.617	101.216	1.00	0.00	N
ATOM	12	C2'	A A	1	5.791	-78.210	101.677	1.00	0.00	C
ATOM	13	C3'	A A	1	7.091	-78.659	102.324	1.00	0.00	C
ATOM	14	O3'	A A	1	8.111	-78.723	101.331	1.00	0.00	O
ATOM	15	C4'	A A	1	6.738	-80.037	102.880	1.00	0.00	C
ATOM	16	O4'	A A	1	5.771	-80.574	101.921	1.00	0.00	O
ATOM	17	C5'	A A	1	6.118	-80.066	104.258	1.00	0.00	C
ATOM	18	O5'	A A	1	5.242	-78.924	104.427	1.00	0.00	O
ATOM	19	H2	A A	1	2.474	-81.737	97.535	1.00	0.00	H
ATOM	20	H8	A A	1	3.277	-78.634	103.090	1.00	0.00	H
ATOM	21	H1'	A A	1	5.535	-79.683	100.108	1.00	0.00	H
ATOM	22	H3'	A A	1	7.406	-77.982	103.121	1.00	0.00	H
ATOM	23	H4'	A A	1	7.664	-80.609	102.919	1.00	0.00	H
ATOM	24	H61	A A	1	-1.389	-80.921	99.691	1.00	0.00	H

ATOM	25	H62	A A	1	-0.946	-80.062	101.190	1.00	0.00	H
ATOM	26	H5T	A A	1	5.171	-78.521	105.294	1.00	0.00	H
ATOM	27	H2'1	A A	1	5.127	-77.743	102.403	1.00	0.00	H
ATOM	28	H2'2	A A	1	5.973	-77.485	100.884	1.00	0.00	H
ATOM	29	H5'1	A A	1	5.549	-80.988	104.374	1.00	0.00	H
ATOM	30	H5'2	A A	1	6.909	-80.037	105.006	1.00	0.00	H
ATOM	31	C1'	G A	2	5.446	-78.550	96.279	1.00	0.00	C
ATOM	32	N1	G A	2	0.357	-78.654	96.593	1.00	0.00	N
ATOM	33	C2	G A	2	1.195	-79.185	95.633	1.00	0.00	C
ATOM	34	N2	G A	2	0.602	-79.828	94.620	1.00	0.00	N
ATOM	35	N3	G A	2	2.523	-79.085	95.678	1.00	0.00	N
ATOM	36	C4	G A	2	2.951	-78.397	96.769	1.00	0.00	C
ATOM	37	C5	G A	2	2.187	-77.829	97.776	1.00	0.00	C
ATOM	38	C6	G A	2	0.778	-77.941	97.729	1.00	0.00	C
ATOM	39	O6	G A	2	-0.061	-77.511	98.521	1.00	0.00	O
ATOM	40	N7	G A	2	3.013	-77.208	98.716	1.00	0.00	N
ATOM	41	C8	G A	2	4.222	-77.416	98.262	1.00	0.00	C
ATOM	42	N9	G A	2	4.266	-78.130	97.082	1.00	0.00	N
ATOM	43	C2'	G A	2	6.562	-77.516	96.240	1.00	0.00	C
ATOM	44	C3'	G A	2	7.806	-78.389	96.237	1.00	0.00	C
ATOM	45	O3'	G A	2	8.091	-78.792	94.898	1.00	0.00	O
ATOM	46	C4'	G A	2	7.396	-79.567	97.119	1.00	0.00	C
ATOM	47	O4'	G A	2	5.967	-79.730	96.861	1.00	0.00	O
ATOM	48	C5'	G A	2	7.604	-79.394	98.605	1.00	0.00	C
ATOM	49	O5'	G A	2	7.328	-78.022	98.983	1.00	0.00	O
ATOM	50	O1P	G A	2	9.574	-77.161	99.725	1.00	0.00	O
ATOM	51	O2P	G A	2	7.475	-76.161	100.665	1.00	0.00	O
ATOM	52	P	G A	2	8.180	-77.365	100.161	1.00	0.00	P
ATOM	53	H1	G A	2	-0.657	-78.791	96.466	1.00	0.00	H
ATOM	54	H8	G A	2	5.116	-77.057	98.771	1.00	0.00	H
ATOM	55	H1'	G A	2	5.105	-78.795	95.273	1.00	0.00	H
ATOM	56	H21	G A	2	-0.425	-79.905	94.592	1.00	0.00	H
ATOM	57	H3'	G A	2	8.671	-77.869	96.650	1.00	0.00	H
ATOM	58	H22	G A	2	1.173	-80.245	93.872	1.00	0.00	H
ATOM	59	H4'	G A	2	7.989	-80.423	96.798	1.00	0.00	H
ATOM	60	H2'1	G A	2	6.544	-76.854	97.107	1.00	0.00	H
ATOM	61	H2'2	G A	2	6.514	-76.889	95.348	1.00	0.00	H
ATOM	62	H5'1	G A	2	6.932	-80.065	99.140	1.00	0.00	H
ATOM	63	H5'2	G A	2	8.634	-79.647	98.855	1.00	0.00	H
ATOM	64	C1'	G A	3	3.475	-77.667	91.822	1.00	0.00	C
ATOM	65	N1	G A	3	-0.532	-76.061	94.539	1.00	0.00	N
ATOM	66	C2	G A	3	-0.489	-76.836	93.396	1.00	0.00	C
ATOM	67	N2	G A	3	-1.671	-77.235	92.909	1.00	0.00	N
ATOM	68	N3	G A	3	0.641	-77.186	92.786	1.00	0.00	N
ATOM	69	C4	G A	3	1.741	-76.689	93.411	1.00	0.00	C
ATOM	70	C5	G A	3	1.793	-75.906	94.552	1.00	0.00	C
ATOM	71	C6	G A	3	0.593	-75.538	95.203	1.00	0.00	C
ATOM	72	O6	G A	3	0.436	-74.856	96.216	1.00	0.00	O
ATOM	73	N7	G A	3	3.119	-75.604	94.869	1.00	0.00	N
ATOM	74	C8	G A	3	3.812	-76.201	93.935	1.00	0.00	C
ATOM	75	N9	G A	3	3.045	-76.882	93.011	1.00	0.00	N
ATOM	76	C2'	G A	3	4.665	-77.066	91.087	1.00	0.00	C
ATOM	77	C3'	G A	3	5.418	-78.305	90.633	1.00	0.00	C
ATOM	78	O3'	G A	3	4.857	-78.770	89.408	1.00	0.00	O

ATOM	79	C4'	G A	3	5.186	-79.284	91.783	1.00	0.00	C
ATOM	80	O4'	G A	3	3.845	-78.958	92.269	1.00	0.00	O
ATOM	81	C5'	G A	3	6.154	-79.201	92.939	1.00	0.00	C
ATOM	82	O5'	G A	3	6.523	-77.819	93.172	1.00	0.00	O
ATOM	83	O1P	G A	3	8.974	-77.767	92.602	1.00	0.00	O
ATOM	84	O2P	G A	3	8.035	-76.127	94.252	1.00	0.00	O
ATOM	85	P	G A	3	8.001	-77.494	93.677	1.00	0.00	P
ATOM	86	H1	G A	3	-1.461	-75.850	94.936	1.00	0.00	H
ATOM	87	H8	G A	3	4.900	-76.166	93.888	1.00	0.00	H
ATOM	88	H1'	G A	3	2.619	-77.775	91.156	1.00	0.00	H
ATOM	89	H21	G A	3	-2.543	-76.963	93.388	1.00	0.00	H
ATOM	90	H3'	G A	3	6.481	-78.109	90.492	1.00	0.00	H
ATOM	91	H22	G A	3	-1.707	-77.813	92.058	1.00	0.00	H
ATOM	92	H4'	G A	3	5.254	-80.287	91.363	1.00	0.00	H
ATOM	93	H2'1	G A	3	5.280	-76.443	91.736	1.00	0.00	H
ATOM	94	H2'2	G A	3	4.360	-76.452	90.239	1.00	0.00	H
ATOM	95	H5'1	G A	3	5.681	-79.612	93.831	1.00	0.00	H
ATOM	96	H5'2	G A	3	7.042	-79.786	92.705	1.00	0.00	H
ATOM	97	C1'	C A	4	-0.116	-76.143	88.770	1.00	0.00	C
ATOM	98	N1	C A	4	0.359	-75.265	89.877	1.00	0.00	N
ATOM	99	C2	C A	4	-0.596	-74.727	90.735	1.00	0.00	C
ATOM	100	O2	C A	4	-1.789	-74.994	90.547	1.00	0.00	O
ATOM	101	N3	C A	4	-0.184	-73.926	91.748	1.00	0.00	N
ATOM	102	C4	C A	4	1.115	-73.654	91.927	1.00	0.00	C
ATOM	103	N4	C A	4	1.461	-72.868	92.936	1.00	0.00	N
ATOM	104	C5	C A	4	2.117	-74.194	91.057	1.00	0.00	C
ATOM	105	C6	C A	4	1.681	-74.998	90.046	1.00	0.00	C
ATOM	106	C2'	C A	4	0.657	-75.963	87.471	1.00	0.00	C
ATOM	107	C3'	C A	4	0.685	-77.381	86.920	1.00	0.00	C
ATOM	108	O3'	C A	4	-0.524	-77.627	86.203	1.00	0.00	O
ATOM	109	C4'	C A	4	0.791	-78.234	88.181	1.00	0.00	C
ATOM	110	O4'	C A	4	0.039	-77.486	89.189	1.00	0.00	O
ATOM	111	C5'	C A	4	2.185	-78.483	88.707	1.00	0.00	C
ATOM	112	O5'	C A	4	3.002	-77.302	88.508	1.00	0.00	O
ATOM	113	O1P	C A	4	4.727	-78.059	86.838	1.00	0.00	O
ATOM	114	O2P	C A	4	5.267	-76.211	88.447	1.00	0.00	O
ATOM	115	P	C A	4	4.554	-77.487	88.188	1.00	0.00	P
ATOM	116	H5	C A	4	3.175	-73.970	91.195	1.00	0.00	H
ATOM	117	H6	C A	4	2.407	-75.437	89.361	1.00	0.00	H
ATOM	118	H1'	C A	4	-1.178	-75.957	88.622	1.00	0.00	H
ATOM	119	H3'	C A	4	1.535	-77.545	86.259	1.00	0.00	H
ATOM	120	H4'	C A	4	0.346	-79.201	87.948	1.00	0.00	H
ATOM	121	H41	C A	4	2.455	-72.643	93.096	1.00	0.00	H
ATOM	122	H42	C A	4	0.739	-72.480	93.559	1.00	0.00	H
ATOM	123	H2'1	C A	4	1.665	-75.584	87.637	1.00	0.00	H
ATOM	124	H2'2	C A	4	0.159	-75.278	86.784	1.00	0.00	H
ATOM	125	H5'1	C A	4	2.131	-78.720	89.770	1.00	0.00	H
ATOM	126	H5'2	C A	4	2.622	-79.327	88.174	1.00	0.00	H
ATOM	127	C1'	C A	5	-4.124	-73.481	87.599	1.00	0.00	C
ATOM	128	N1	C A	5	-2.924	-72.821	88.185	1.00	0.00	N
ATOM	129	C2	C A	5	-3.108	-72.000	89.294	1.00	0.00	C
ATOM	130	O2	C A	5	-4.252	-71.849	89.745	1.00	0.00	O
ATOM	131	N3	C A	5	-2.028	-71.390	89.842	1.00	0.00	N
ATOM	132	C4	C A	5	-0.803	-71.570	89.332	1.00	0.00	C



ATOM	133	N4	C A	5	0.216	-70.954	89.910	1.00	0.00	N
ATOM	134	C5	C A	5	-0.585	-72.409	88.190	1.00	0.00	C
ATOM	135	C6	C A	5	-1.687	-73.013	87.658	1.00	0.00	C
ATOM	136	C2'	C A	5	-4.098	-73.561	86.079	1.00	0.00	C
ATOM	137	C3'	C A	5	-4.770	-74.902	85.822	1.00	0.00	C
ATOM	138	O3'	C A	5	-6.185	-74.724	85.820	1.00	0.00	O
ATOM	139	C4'	C A	5	-4.296	-75.751	87.000	1.00	0.00	C
ATOM	140	O4'	C A	5	-4.181	-74.801	88.106	1.00	0.00	O
ATOM	141	C5'	C A	5	-2.972	-76.456	86.828	1.00	0.00	C
ATOM	142	O5'	C A	5	-2.061	-75.615	86.075	1.00	0.00	O
ATOM	143	O1P	C A	5	-1.726	-76.896	83.933	1.00	0.00	O
ATOM	144	O2P	C A	5	0.065	-75.347	84.765	1.00	0.00	O
ATOM	145	P	C A	5	-1.018	-76.308	85.087	1.00	0.00	P
ATOM	146	H5	C A	5	0.409	-72.554	87.768	1.00	0.00	H
ATOM	147	H6	C A	5	-1.570	-73.664	86.791	1.00	0.00	H
ATOM	148	H1'	C A	5	-5.008	-72.948	87.948	1.00	0.00	H
ATOM	149	H3'	C A	5	-4.460	-75.338	84.872	1.00	0.00	H
ATOM	150	H4'	C A	5	-5.059	-76.511	87.168	1.00	0.00	H
ATOM	151	H41	C A	5	1.170	-71.076	89.538	1.00	0.00	H
ATOM	152	H42	C A	5	0.057	-70.351	90.730	1.00	0.00	H
ATOM	153	H2'1	C A	5	-3.085	-73.543	85.680	1.00	0.00	H
ATOM	154	H2'2	C A	5	-4.650	-72.744	85.612	1.00	0.00	H
ATOM	155	H5'1	C A	5	-2.549	-76.668	87.811	1.00	0.00	H
ATOM	156	H5'2	C A	5	-3.133	-77.395	86.297	1.00	0.00	H
ATOM	157	C1'	G A	6	-7.190	-69.621	88.067	1.00	0.00	C
ATOM	158	N1	G A	6	-3.051	-67.277	89.912	1.00	0.00	N
ATOM	159	C2	G A	6	-4.361	-67.249	90.359	1.00	0.00	C
ATOM	160	N2	G A	6	-4.600	-66.496	91.438	1.00	0.00	N
ATOM	161	N3	G A	6	-5.351	-67.920	89.774	1.00	0.00	N
ATOM	162	C4	G A	6	-4.931	-68.624	88.691	1.00	0.00	C
ATOM	163	C5	G A	6	-3.650	-68.709	88.171	1.00	0.00	C
ATOM	164	C6	G A	6	-2.596	-68.000	88.793	1.00	0.00	C
ATOM	165	O6	G A	6	-1.406	-67.950	88.484	1.00	0.00	O
ATOM	166	N7	G A	6	-3.638	-69.537	87.048	1.00	0.00	N
ATOM	167	C8	G A	6	-4.881	-69.923	86.926	1.00	0.00	C
ATOM	168	N9	G A	6	-5.728	-69.409	87.887	1.00	0.00	N
ATOM	169	C2'	G A	6	-7.964	-69.698	86.758	1.00	0.00	C
ATOM	170	C3'	G A	6	-9.033	-70.729	87.081	1.00	0.00	C
ATOM	171	O3'	G A	6	-10.128	-70.084	87.725	1.00	0.00	O
ATOM	172	C4'	G A	6	-8.302	-71.696	88.012	1.00	0.00	C
ATOM	173	O4'	G A	6	-7.369	-70.845	88.751	1.00	0.00	O
ATOM	174	C5'	G A	6	-7.523	-72.806	87.350	1.00	0.00	C
ATOM	175	O5'	G A	6	-6.920	-72.321	86.124	1.00	0.00	O
ATOM	176	O1P	G A	6	-8.108	-73.627	84.332	1.00	0.00	O
ATOM	177	O2P	G A	6	-5.781	-72.781	83.933	1.00	0.00	O
ATOM	178	P	G A	6	-6.778	-73.320	84.890	1.00	0.00	P
ATOM	179	H1	G A	6	-2.357	-66.727	90.441	1.00	0.00	H
ATOM	180	H8	G A	6	-5.222	-70.591	86.135	1.00	0.00	H
ATOM	181	H1'	G A	6	-7.575	-68.821	88.701	1.00	0.00	H
ATOM	182	H21	G A	6	-3.828	-65.982	91.888	1.00	0.00	H
ATOM	183	H3'	G A	6	-9.391	-71.241	86.187	1.00	0.00	H
ATOM	184	H22	G A	6	-5.555	-66.430	91.819	1.00	0.00	H
ATOM	185	H4'	G A	6	-9.057	-72.152	88.650	1.00	0.00	H
ATOM	186	H2'1	G A	6	-7.339	-70.022	85.926	1.00	0.00	H

ATOM	187	H2'2	G A	6	-8.407	-68.740	86.481	1.00	0.00	H
ATOM	188	H5'1	G A	6	-6.747	-73.155	88.030	1.00	0.00	H
ATOM	189	H5'2	G A	6	-8.198	-73.632	87.126	1.00	0.00	H
ATOM	190	C1'	C A	7	-8.318	-64.959	89.304	1.00	0.00	C
ATOM	191	N1	C A	7	-7.154	-65.246	88.421	1.00	0.00	N
ATOM	192	C2	C A	7	-5.924	-64.690	88.762	1.00	0.00	C
ATOM	193	O2	C A	7	-5.846	-63.985	89.777	1.00	0.00	O
ATOM	194	N3	C A	7	-4.851	-64.940	87.971	1.00	0.00	N
ATOM	195	C4	C A	7	-4.965	-65.705	86.878	1.00	0.00	C
ATOM	196	N4	C A	7	-3.885	-65.919	86.143	1.00	0.00	N
ATOM	197	C5	C A	7	-6.220	-66.286	86.500	1.00	0.00	C
ATOM	198	C6	C A	7	-7.285	-66.026	87.315	1.00	0.00	C
ATOM	199	C2'	C A	7	-9.626	-64.761	88.551	1.00	0.00	C
ATOM	200	C3'	C A	7	-10.636	-65.381	89.504	1.00	0.00	C
ATOM	201	O3'	C A	7	-11.016	-64.413	90.480	1.00	0.00	O
ATOM	202	C4'	C A	7	-9.858	-66.543	90.117	1.00	0.00	C
ATOM	203	O4'	C A	7	-8.477	-66.062	90.178	1.00	0.00	O
ATOM	204	C5'	C A	7	-9.880	-67.845	89.349	1.00	0.00	C
ATOM	205	O5'	C A	7	-9.862	-67.575	87.924	1.00	0.00	O
ATOM	206	O1P	C A	7	-12.112	-68.394	87.146	1.00	0.00	O
ATOM	207	O2P	C A	7	-10.167	-68.368	85.561	1.00	0.00	O
ATOM	208	P	C A	7	-10.657	-68.553	86.947	1.00	0.00	P
ATOM	209	H5	C A	7	-6.320	-66.906	85.608	1.00	0.00	H
ATOM	210	H6	C A	7	-8.259	-66.452	87.073	1.00	0.00	H
ATOM	211	H1'	C A	7	-8.078	-64.084	89.909	1.00	0.00	H
ATOM	212	H3'	C A	7	-11.525	-65.734	88.981	1.00	0.00	H
ATOM	213	H4'	C A	7	-10.289	-66.729	91.100	1.00	0.00	H
ATOM	214	H41	C A	7	-3.943	-66.506	85.298	1.00	0.00	H
ATOM	215	H42	C A	7	-2.984	-65.498	86.413	1.00	0.00	H
ATOM	216	H2'1	C A	7	-9.629	-65.266	87.587	1.00	0.00	H
ATOM	217	H2'2	C A	7	-9.844	-63.707	88.371	1.00	0.00	H
ATOM	218	H5'1	C A	7	-9.008	-68.439	89.623	1.00	0.00	H
ATOM	219	H5'2	C A	7	-10.784	-68.397	89.607	1.00	0.00	H
ATOM	220	C1'	A A	8	-7.266	-60.198	90.160	1.00	0.00	C
ATOM	221	N1	A A	8	-3.329	-61.092	86.990	1.00	0.00	N
ATOM	222	C2	A A	8	-3.426	-60.428	88.138	1.00	0.00	C
ATOM	223	N3	A A	8	-4.474	-60.237	88.909	1.00	0.00	N
ATOM	224	C4	A A	8	-5.558	-60.832	88.375	1.00	0.00	C
ATOM	225	C5	A A	8	-5.626	-61.547	87.212	1.00	0.00	C
ATOM	226	C6	A A	8	-4.426	-61.675	86.484	1.00	0.00	C
ATOM	227	N6	A A	8	-4.340	-62.349	85.324	1.00	0.00	N
ATOM	228	N7	A A	8	-6.910	-62.011	86.986	1.00	0.00	N
ATOM	229	C8	A A	8	-7.587	-61.568	88.006	1.00	0.00	C
ATOM	230	N9	A A	8	-6.830	-60.845	88.892	1.00	0.00	N
ATOM	231	C2'	A A	8	-8.657	-59.582	90.088	1.00	0.00	C
ATOM	232	C3'	A A	8	-9.190	-59.841	91.488	1.00	0.00	C
ATOM	233	O3'	A A	8	-8.741	-58.805	92.358	1.00	0.00	O
ATOM	234	C4'	A A	8	-8.578	-61.196	91.841	1.00	0.00	C
ATOM	235	O4'	A A	8	-7.277	-61.190	91.168	1.00	0.00	O
ATOM	236	C5'	A A	8	-9.348	-62.416	91.395	1.00	0.00	C
ATOM	237	O5'	A A	8	-9.961	-62.165	90.105	1.00	0.00	O
ATOM	238	O1P	A A	8	-12.426	-62.202	90.616	1.00	0.00	O
ATOM	239	O2P	A A	8	-11.610	-62.809	88.321	1.00	0.00	O
ATOM	240	P	A A	8	-11.377	-62.827	89.787	1.00	0.00	P

ATOM	241	H2	A A	8	-2.501	-59.975	88.491	1.00	0.00	H
ATOM	242	H8	A A	8	-8.652	-61.752	88.143	1.00	0.00	H
ATOM	243	H1'	A A	8	-6.521	-59.451	90.434	1.00	0.00	H
ATOM	244	H3'	A A	8	-10.279	-59.883	91.509	1.00	0.00	H
ATOM	245	H4'	A A	8	-8.495	-61.232	92.926	1.00	0.00	H
ATOM	246	H61	A A	8	-3.438	-62.416	84.833	1.00	0.00	H
ATOM	247	H62	A A	8	-5.179	-62.799	84.927	1.00	0.00	H
ATOM	248	H2'1	A A	8	-9.280	-60.057	89.332	1.00	0.00	H
ATOM	249	H2'2	A A	8	-8.625	-58.515	89.866	1.00	0.00	H
ATOM	250	H5'1	A A	8	-8.664	-63.261	91.319	1.00	0.00	H
ATOM	251	H5'2	A A	8	-10.119	-62.643	92.130	1.00	0.00	H
ATOM	252	C1'	C A	9	-4.549	-56.079	89.590	1.00	0.00	C
ATOM	253	N1	C A	9	-5.044	-56.826	88.401	1.00	0.00	N
ATOM	254	C2	C A	9	-4.121	-57.169	87.415	1.00	0.00	C
ATOM	255	O2	C A	9	-2.938	-56.841	87.565	1.00	0.00	O
ATOM	256	N3	C A	9	-4.552	-57.848	86.325	1.00	0.00	N
ATOM	257	C4	C A	9	-5.840	-58.188	86.188	1.00	0.00	C
ATOM	258	N4	C A	9	-6.206	-58.856	85.103	1.00	0.00	N
ATOM	259	C5	C A	9	-6.813	-57.846	87.185	1.00	0.00	C
ATOM	260	C6	C A	9	-6.357	-57.165	88.278	1.00	0.00	C
ATOM	261	C2'	C A	9	-5.519	-55.022	90.098	1.00	0.00	C
ATOM	262	C3'	C A	9	-5.309	-55.095	91.603	1.00	0.00	C
ATOM	263	O3'	C A	9	-4.191	-54.285	91.958	1.00	0.00	O
ATOM	264	C4'	C A	9	-5.043	-56.579	91.838	1.00	0.00	C
ATOM	265	O4'	C A	9	-4.342	-57.017	90.630	1.00	0.00	O
ATOM	266	C5'	C A	9	-6.259	-57.455	92.032	1.00	0.00	C
ATOM	267	O5'	C A	9	-7.338	-56.994	91.179	1.00	0.00	O
ATOM	268	O1P	C A	9	-9.070	-56.185	92.815	1.00	0.00	O
ATOM	269	O2P	C A	9	-9.773	-57.013	90.553	1.00	0.00	O
ATOM	270	P	C A	9	-8.839	-57.125	91.701	1.00	0.00	P
ATOM	271	H5	C A	9	-7.864	-58.115	87.076	1.00	0.00	H
ATOM	272	H6	C A	9	-7.056	-56.889	89.067	1.00	0.00	H
ATOM	273	H1'	C A	9	-3.585	-55.639	89.339	1.00	0.00	H
ATOM	274	H3'	C A	9	-6.187	-54.759	92.153	1.00	0.00	H
ATOM	275	H4'	C A	9	-4.433	-56.654	92.737	1.00	0.00	H
ATOM	276	H41	C A	9	-7.190	-59.131	84.976	1.00	0.00	H
ATOM	277	H42	C A	9	-5.505	-59.099	84.387	1.00	0.00	H
ATOM	278	H2'1	C A	9	-6.551	-55.244	89.831	1.00	0.00	H
ATOM	279	H2'2	C A	9	-5.287	-54.028	89.711	1.00	0.00	H
ATOM	280	H5'1	C A	9	-6.004	-58.485	91.779	1.00	0.00	H
ATOM	281	H5'2	C A	9	-6.570	-57.409	93.075	1.00	0.00	H
ATOM	282	C1'	C A	10	-1.438	-53.098	87.150	1.00	0.00	C
ATOM	283	N1	C A	10	-2.658	-53.626	86.481	1.00	0.00	N
ATOM	284	C2	C A	10	-2.506	-54.252	85.246	1.00	0.00	C
ATOM	285	O2	C A	10	-1.372	-54.342	84.756	1.00	0.00	O
ATOM	286	N3	C A	10	-3.604	-54.741	84.620	1.00	0.00	N
ATOM	287	C4	C A	10	-4.820	-54.628	85.172	1.00	0.00	C
ATOM	288	N4	C A	10	-5.859	-55.126	84.519	1.00	0.00	N
ATOM	289	C5	C A	10	-5.007	-53.986	86.441	1.00	0.00	C
ATOM	290	C6	C A	10	-3.885	-53.505	87.055	1.00	0.00	C
ATOM	291	C2'	C A	10	-1.661	-51.780	87.878	1.00	0.00	C
ATOM	292	C3'	C A	10	-0.752	-51.930	89.089	1.00	0.00	C
ATOM	293	O3'	C A	10	0.573	-51.545	88.730	1.00	0.00	O
ATOM	294	C4'	C A	10	-0.854	-53.419	89.407	1.00	0.00	C

ATOM	295	O4'	C	A	10	-1.019	-54.058	88.102	1.00	0.00	O
ATOM	296	C5'	C	A	10	-2.000	-53.839	90.298	1.00	0.00	C
ATOM	297	O5'	C	A	10	-3.171	-53.037	90.002	1.00	0.00	O
ATOM	298	O1P	C	A	10	-3.515	-51.705	92.109	1.00	0.00	O
ATOM	299	O2P	C	A	10	-5.468	-52.233	90.626	1.00	0.00	O
ATOM	300	P	C	A	10	-4.165	-52.660	91.190	1.00	0.00	P
ATOM	301	H5	C	A	10	-5.995	-53.887	86.893	1.00	0.00	H
ATOM	302	H6	C	A	10	-3.976	-53.017	88.025	1.00	0.00	H
ATOM	303	H1'	C	A	10	-0.653	-53.003	86.401	1.00	0.00	H
ATOM	304	H3'	C	A	10	-1.089	-51.323	89.930	1.00	0.00	H
ATOM	305	H4'	C	A	10	0.075	-53.700	89.906	1.00	0.00	H
ATOM	306	H41	C	A	10	-6.804	-55.055	84.923	1.00	0.00	H
ATOM	307	H42	C	A	10	-5.721	-55.584	83.606	1.00	0.00	H
ATOM	308	H2'1	C	A	10	-2.698	-51.641	88.178	1.00	0.00	H
ATOM	309	H2'2	C	A	10	-1.375	-50.919	87.271	1.00	0.00	H
ATOM	310	H5'1	C	A	10	-2.222	-54.893	90.126	1.00	0.00	H
ATOM	311	H5'2	C	A	10	-1.712	-53.699	91.339	1.00	0.00	H
ATOM	312	C1'	T	A	11	0.746	-51.305	83.087	1.00	0.00	C
ATOM	313	N1	T	A	11	-0.736	-51.398	83.157	1.00	0.00	N
ATOM	314	C2	T	A	11	-1.377	-52.028	82.110	1.00	0.00	C
ATOM	315	O2	T	A	11	-0.781	-52.496	81.155	1.00	0.00	O
ATOM	316	N3	T	A	11	-2.755	-52.095	82.215	1.00	0.00	N
ATOM	317	C4	T	A	11	-3.524	-51.596	83.247	1.00	0.00	C
ATOM	318	O4	T	A	11	-4.756	-51.712	83.230	1.00	0.00	O
ATOM	319	C5	T	A	11	-2.765	-50.955	84.295	1.00	0.00	C
ATOM	320	C6	T	A	11	-1.422	-50.874	84.225	1.00	0.00	C
ATOM	321	C7	T	A	11	-3.562	-50.402	85.438	1.00	0.00	C
ATOM	322	C2'	T	A	11	1.305	-49.990	83.619	1.00	0.00	C
ATOM	323	C3'	T	A	11	2.603	-50.437	84.271	1.00	0.00	C
ATOM	324	O3'	T	A	11	3.627	-50.506	83.280	1.00	0.00	O
ATOM	325	C4'	T	A	11	2.247	-51.812	84.829	1.00	0.00	C
ATOM	326	O4'	T	A	11	1.284	-52.353	83.869	1.00	0.00	O
ATOM	327	C5'	T	A	11	1.623	-51.839	86.205	1.00	0.00	C
ATOM	328	O5'	T	A	11	0.748	-50.696	86.369	1.00	0.00	O
ATOM	329	O1P	T	A	11	1.886	-49.338	88.155	1.00	0.00	O
ATOM	330	O2P	T	A	11	-0.600	-49.186	87.858	1.00	0.00	O
ATOM	331	P	T	A	11	0.626	-50.021	87.807	1.00	0.00	P
ATOM	332	H3	T	A	11	-3.256	-52.562	81.449	1.00	0.00	H
ATOM	333	H6	T	A	11	-0.870	-50.386	85.029	1.00	0.00	H
ATOM	334	H1'	T	A	11	1.051	-51.467	82.053	1.00	0.00	H
ATOM	335	H3'	T	A	11	2.915	-49.759	85.065	1.00	0.00	H
ATOM	336	H4'	T	A	11	3.173	-52.388	84.872	1.00	0.00	H
ATOM	337	H71	T	A	11	-3.471	-49.315	85.452	1.00	0.00	H
ATOM	338	H72	T	A	11	-4.610	-50.676	85.317	1.00	0.00	H
ATOM	339	H73	T	A	11	-3.186	-50.811	86.377	1.00	0.00	H
ATOM	340	H2'1	T	A	11	0.639	-49.521	84.341	1.00	0.00	H
ATOM	341	H2'2	T	A	11	1.488	-49.267	82.824	1.00	0.00	H
ATOM	342	H5'1	T	A	11	1.053	-52.760	86.324	1.00	0.00	H
ATOM	343	H5'2	T	A	11	2.413	-51.808	86.956	1.00	0.00	H
ATOM	344	C1'	A	A	12	0.984	-50.328	78.226	1.00	0.00	C
ATOM	345	N1	A	A	12	-4.138	-50.447	78.520	1.00	0.00	N
ATOM	346	C2	A	A	12	-3.277	-50.933	77.631	1.00	0.00	C
ATOM	347	N3	A	A	12	-1.962	-50.869	77.618	1.00	0.00	N
ATOM	348	C4	A	A	12	-1.519	-50.192	78.691	1.00	0.00	C

ATOM	349	C5	A	A	12	-2.265	-49.633	79.689	1.00	0.00	C
ATOM	350	C6	A	A	12	-3.666	-49.778	79.582	1.00	0.00	C
ATOM	351	N6	A	A	12	-4.526	-49.281	80.486	1.00	0.00	N
ATOM	352	N7	A	A	12	-1.461	-49.016	80.631	1.00	0.00	N
ATOM	353	C8	A	A	12	-0.255	-49.211	80.187	1.00	0.00	C
ATOM	354	N9	A	A	12	-0.211	-49.920	79.012	1.00	0.00	N
ATOM	355	C2'	A	A	12	2.090	-49.282	78.207	1.00	0.00	C
ATOM	356	C3'	A	A	12	3.342	-50.144	78.220	1.00	0.00	C
ATOM	357	O3'	A	A	12	3.650	-50.541	76.885	1.00	0.00	O
ATOM	358	C4'	A	A	12	2.932	-51.329	79.094	1.00	0.00	C
ATOM	359	O4'	A	A	12	1.506	-51.504	78.814	1.00	0.00	O
ATOM	360	C5'	A	A	12	3.115	-51.159	80.583	1.00	0.00	C
ATOM	361	O5'	A	A	12	2.822	-49.790	80.961	1.00	0.00	O
ATOM	362	O1P	A	A	12	5.049	-48.910	81.738	1.00	0.00	O
ATOM	363	O2P	A	A	12	2.926	-47.933	82.650	1.00	0.00	O
ATOM	364	P	A	A	12	3.650	-49.129	82.152	1.00	0.00	P
ATOM	365	H2	A	A	12	-3.726	-51.462	76.790	1.00	0.00	H
ATOM	366	H8	A	A	12	0.638	-48.847	80.696	1.00	0.00	H
ATOM	367	H1'	A	A	12	0.661	-50.572	77.215	1.00	0.00	H
ATOM	368	H3'	A	A	12	4.197	-49.619	78.646	1.00	0.00	H
ATOM	369	H4'	A	A	12	3.536	-52.179	78.778	1.00	0.00	H
ATOM	370	H61	A	A	12	-5.539	-49.416	80.362	1.00	0.00	H
ATOM	371	H62	A	A	12	-4.170	-48.762	81.304	1.00	0.00	H
ATOM	372	H2'1	A	A	12	2.054	-48.625	79.075	1.00	0.00	H
ATOM	373	H2'2	A	A	12	2.050	-48.653	77.318	1.00	0.00	H
ATOM	374	H5'1	A	A	12	2.441	-51.837	81.105	1.00	0.00	H
ATOM	375	H5'2	A	A	12	4.143	-51.401	80.846	1.00	0.00	H
ATOM	376	C1'	G	A	13	-1.010	-49.448	73.766	1.00	0.00	C
ATOM	377	N1	G	A	13	-5.018	-47.844	76.484	1.00	0.00	N
ATOM	378	C2	G	A	13	-4.975	-48.618	75.340	1.00	0.00	C
ATOM	379	N2	G	A	13	-6.157	-49.017	74.851	1.00	0.00	N
ATOM	380	N3	G	A	13	-3.844	-48.967	74.729	1.00	0.00	N
ATOM	381	C4	G	A	13	-2.745	-48.470	75.355	1.00	0.00	C
ATOM	382	C5	G	A	13	-2.692	-47.687	76.496	1.00	0.00	C
ATOM	383	C6	G	A	13	-3.892	-47.320	77.146	1.00	0.00	C
ATOM	384	O6	G	A	13	-4.048	-46.636	78.159	1.00	0.00	O
ATOM	385	N7	G	A	13	-1.367	-47.385	76.813	1.00	0.00	N
ATOM	386	C8	G	A	13	-0.673	-47.983	75.879	1.00	0.00	C
ATOM	387	N9	G	A	13	-1.441	-48.663	74.955	1.00	0.00	N
ATOM	388	C2'	G	A	13	0.179	-48.847	73.030	1.00	0.00	C
ATOM	389	C3'	G	A	13	0.932	-50.086	72.577	1.00	0.00	C
ATOM	390	O3'	G	A	13	0.371	-50.551	71.352	1.00	0.00	O
ATOM	391	C4'	G	A	13	0.700	-51.065	73.727	1.00	0.00	C
ATOM	392	O4'	G	A	13	-0.640	-50.739	74.213	1.00	0.00	O
ATOM	393	C5'	G	A	13	1.667	-50.982	74.883	1.00	0.00	C
ATOM	394	O5'	G	A	13	2.037	-49.600	75.116	1.00	0.00	O
ATOM	395	O1P	G	A	13	4.488	-49.548	74.546	1.00	0.00	O
ATOM	396	O2P	G	A	13	3.549	-47.908	76.196	1.00	0.00	O
ATOM	397	P	G	A	13	3.515	-49.276	75.621	1.00	0.00	P
ATOM	398	H1	G	A	13	-5.947	-47.634	76.882	1.00	0.00	H
ATOM	399	H8	G	A	13	0.415	-47.948	75.831	1.00	0.00	H
ATOM	400	H1'	G	A	13	-1.867	-49.557	73.100	1.00	0.00	H
ATOM	401	H21	G	A	13	-7.029	-48.745	75.331	1.00	0.00	H
ATOM	402	H3'	G	A	13	1.995	-49.890	72.436	1.00	0.00	H

ATOM	403	H22	G A	13	-6.194	-49.593	74.000	1.00	0.00	H
ATOM	404	H4'	G A	13	0.768	-52.068	73.307	1.00	0.00	H
ATOM	405	H2'1	G A	13	0.795	-48.225	73.680	1.00	0.00	H
ATOM	406	H2'2	G A	13	-0.126	-48.234	72.183	1.00	0.00	H
ATOM	407	H5'1	G A	13	1.195	-51.394	75.775	1.00	0.00	H
ATOM	408	H5'2	G A	13	2.556	-51.567	74.649	1.00	0.00	H
ATOM	409	C1'	G A	14	-4.601	-47.923	70.715	1.00	0.00	C
ATOM	410	N1	G A	14	-6.016	-45.087	74.712	1.00	0.00	N
ATOM	411	C2	G A	14	-6.785	-45.823	73.829	1.00	0.00	C
ATOM	412	N2	G A	14	-8.108	-45.800	74.036	1.00	0.00	N
ATOM	413	N3	G A	14	-6.276	-46.527	72.819	1.00	0.00	N
ATOM	414	C4	G A	14	-4.923	-46.432	72.755	1.00	0.00	C
ATOM	415	C5	G A	14	-4.076	-45.720	73.587	1.00	0.00	C
ATOM	416	C6	G A	14	-4.613	-44.977	74.660	1.00	0.00	C
ATOM	417	O6	G A	14	-4.031	-44.287	75.499	1.00	0.00	O
ATOM	418	N7	G A	14	-2.748	-45.883	73.177	1.00	0.00	N
ATOM	419	C8	G A	14	-2.833	-46.672	72.138	1.00	0.00	C
ATOM	420	N9	G A	14	-4.121	-47.047	71.819	1.00	0.00	N
ATOM	421	C2'	G A	14	-3.828	-47.750	69.414	1.00	0.00	C
ATOM	422	C3'	G A	14	-3.809	-49.167	68.864	1.00	0.00	C
ATOM	423	O3'	G A	14	-5.018	-49.409	68.150	1.00	0.00	O
ATOM	424	C4'	G A	14	-3.704	-50.020	70.128	1.00	0.00	C
ATOM	425	O4'	G A	14	-4.452	-49.266	71.134	1.00	0.00	O
ATOM	426	C5'	G A	14	-2.310	-50.274	70.652	1.00	0.00	C
ATOM	427	O5'	G A	14	-1.489	-49.098	70.451	1.00	0.00	O
ATOM	428	O1P	G A	14	0.230	-49.865	68.780	1.00	0.00	O
ATOM	429	O2P	G A	14	0.780	-48.018	70.386	1.00	0.00	O
ATOM	430	P	G A	14	0.061	-49.290	70.129	1.00	0.00	P
ATOM	431	H1	G A	14	-6.509	-44.582	75.465	1.00	0.00	H
ATOM	432	H8	G A	14	-1.961	-47.002	71.573	1.00	0.00	H
ATOM	433	H1'	G A	14	-5.664	-47.734	70.566	1.00	0.00	H
ATOM	434	H21	G A	14	-8.494	-45.256	74.822	1.00	0.00	H
ATOM	435	H3'	G A	14	-2.958	-49.337	68.203	1.00	0.00	H
ATOM	436	H22	G A	14	-8.736	-46.324	73.413	1.00	0.00	H
ATOM	437	H4'	G A	14	-4.154	-50.984	69.897	1.00	0.00	H
ATOM	438	H2'1	G A	14	-2.818	-47.374	69.579	1.00	0.00	H
ATOM	439	H2'2	G A	14	-4.325	-47.064	68.726	1.00	0.00	H
ATOM	440	H5'1	G A	14	-2.365	-50.510	71.714	1.00	0.00	H
ATOM	441	H5'2	G A	14	-1.877	-51.122	70.120	1.00	0.00	H
ATOM	442	C1'	A A	15	-8.610	-45.276	69.524	1.00	0.00	C
ATOM	443	N1	A A	15	-6.929	-42.137	73.219	1.00	0.00	N
ATOM	444	C2	A A	15	-8.142	-42.585	72.904	1.00	0.00	C
ATOM	445	N3	A A	15	-8.506	-43.399	71.936	1.00	0.00	N
ATOM	446	C4	A A	15	-7.433	-43.772	71.213	1.00	0.00	C
ATOM	447	C5	A A	15	-6.132	-43.403	71.403	1.00	0.00	C
ATOM	448	C6	A A	15	-5.879	-42.528	72.481	1.00	0.00	C
ATOM	449	N6	A A	15	-4.650	-42.079	72.789	1.00	0.00	N
ATOM	450	N7	A A	15	-5.303	-43.988	70.463	1.00	0.00	N
ATOM	451	C8	A A	15	-6.113	-44.690	69.727	1.00	0.00	C
ATOM	452	N9	A A	15	-7.424	-44.609	70.124	1.00	0.00	N
ATOM	453	C2'	A A	15	-8.566	-45.359	68.004	1.00	0.00	C
ATOM	454	C3'	A A	15	-9.226	-46.703	67.739	1.00	0.00	C
ATOM	455	O3'	A A	15	-10.640	-46.532	67.719	1.00	0.00	O
ATOM	456	C4'	A A	15	-8.763	-47.549	68.925	1.00	0.00	C

ATOM	457	O4'	A	A	15	-8.667	-46.595	70.031	1.00	0.00	O
ATOM	458	C5'	A	A	15	-7.432	-48.248	68.772	1.00	0.00	C
ATOM	459	O5'	A	A	15	-6.517	-47.403	68.029	1.00	0.00	O
ATOM	460	O1P	A	A	15	-6.145	-48.682	65.894	1.00	0.00	O
ATOM	461	O2P	A	A	15	-4.374	-47.123	66.747	1.00	0.00	O
ATOM	462	P	A	A	15	-5.456	-48.090	67.057	1.00	0.00	P
ATOM	463	H2	A	A	15	-8.950	-42.228	73.540	1.00	0.00	H
ATOM	464	H8	A	A	15	-5.784	-45.285	68.875	1.00	0.00	H
ATOM	465	H1'	A	A	15	-9.503	-44.749	69.860	1.00	0.00	H
ATOM	466	H3'	A	A	15	-8.900	-47.140	66.794	1.00	0.00	H
ATOM	467	H4'	A	A	15	-9.524	-48.311	69.085	1.00	0.00	H
ATOM	468	H61	A	A	15	-4.521	-41.443	73.588	1.00	0.00	H
ATOM	469	H62	A	A	15	-3.839	-42.374	72.225	1.00	0.00	H
ATOM	470	H2'1	A	A	15	-7.546	-45.335	67.619	1.00	0.00	H
ATOM	471	H2'2	A	A	15	-9.115	-44.546	67.529	1.00	0.00	H
ATOM	472	H5'1	A	A	15	-7.022	-48.455	69.760	1.00	0.00	H
ATOM	473	H5'2	A	A	15	-7.580	-49.186	68.240	1.00	0.00	H
ATOM	474	C1'	C	A	16	-11.678	-41.401	70.011	1.00	0.00	C
ATOM	475	N1	C	A	16	-10.215	-41.187	69.837	1.00	0.00	N
ATOM	476	C2	C	A	16	-9.563	-40.359	70.748	1.00	0.00	C
ATOM	477	O2	C	A	16	-10.222	-39.838	71.657	1.00	0.00	O
ATOM	478	N3	C	A	16	-8.231	-40.150	70.606	1.00	0.00	N
ATOM	479	C4	C	A	16	-7.546	-40.728	69.611	1.00	0.00	C
ATOM	480	N4	C	A	16	-6.245	-40.491	69.523	1.00	0.00	N
ATOM	481	C5	C	A	16	-8.190	-41.581	68.656	1.00	0.00	C
ATOM	482	C6	C	A	16	-9.532	-41.780	68.820	1.00	0.00	C
ATOM	483	C2'	C	A	16	-12.448	-41.474	68.700	1.00	0.00	C
ATOM	484	C3'	C	A	16	-13.515	-42.511	69.017	1.00	0.00	C
ATOM	485	O3'	C	A	16	-14.613	-41.869	69.660	1.00	0.00	O
ATOM	486	C4'	C	A	16	-12.785	-43.477	69.947	1.00	0.00	C
ATOM	487	O4'	C	A	16	-11.853	-42.630	70.692	1.00	0.00	O
ATOM	488	C5'	C	A	16	-12.001	-44.586	69.281	1.00	0.00	C
ATOM	489	O5'	C	A	16	-11.397	-44.093	68.059	1.00	0.00	O
ATOM	490	O1P	C	A	16	-12.578	-45.396	66.258	1.00	0.00	O
ATOM	491	O2P	C	A	16	-10.251	-44.544	65.869	1.00	0.00	O
ATOM	492	P	C	A	16	-11.249	-45.088	66.821	1.00	0.00	P
ATOM	493	H5	C	A	16	-7.638	-42.047	67.839	1.00	0.00	H
ATOM	494	H6	C	A	16	-10.065	-42.428	68.123	1.00	0.00	H
ATOM	495	H1'	C	A	16	-12.065	-40.606	70.648	1.00	0.00	H
ATOM	496	H3'	C	A	16	-13.868	-43.019	68.119	1.00	0.00	H
ATOM	497	H4'	C	A	16	-13.541	-43.940	70.579	1.00	0.00	H
ATOM	498	H41	C	A	16	-5.694	-40.925	68.768	1.00	0.00	H
ATOM	499	H42	C	A	16	-5.784	-39.876	70.208	1.00	0.00	H
ATOM	500	H2'1	C	A	16	-11.819	-41.794	67.868	1.00	0.00	H
ATOM	501	H2'2	C	A	16	-12.892	-40.517	68.426	1.00	0.00	H
ATOM	502	H5'1	C	A	16	-11.225	-44.934	69.963	1.00	0.00	H
ATOM	503	H5'2	C	A	16	-12.674	-45.412	69.052	1.00	0.00	H
ATOM	504	C1'	G	A	17	-12.803	-36.740	71.248	1.00	0.00	C
ATOM	505	N1	G	A	17	-7.823	-35.934	70.484	1.00	0.00	N
ATOM	506	C2	G	A	17	-8.654	-35.472	71.490	1.00	0.00	C
ATOM	507	N2	G	A	17	-8.083	-34.688	72.413	1.00	0.00	N
ATOM	508	N3	G	A	17	-9.950	-35.767	71.568	1.00	0.00	N
ATOM	509	C4	G	A	17	-10.361	-36.564	70.546	1.00	0.00	C
ATOM	510	C5	G	A	17	-9.607	-37.069	69.500	1.00	0.00	C

ATOM	511	C6	G A	17	-8.229	-36.760	69.418	1.00	0.00	C
ATOM	512	O6	G A	17	-7.403	-37.108	68.575	1.00	0.00	O
ATOM	513	N7	G A	17	-10.407	-37.846	68.658	1.00	0.00	N
ATOM	514	C8	G A	17	-11.591	-37.791	69.211	1.00	0.00	C
ATOM	515	N9	G A	17	-11.644	-37.031	70.361	1.00	0.00	N
ATOM	516	C2'	G A	17	-14.115	-36.545	70.500	1.00	0.00	C
ATOM	517	C3'	G A	17	-15.121	-37.161	71.456	1.00	0.00	C
ATOM	518	O3'	G A	17	-15.497	-36.191	72.430	1.00	0.00	O
ATOM	519	C4'	G A	17	-14.340	-38.322	72.069	1.00	0.00	C
ATOM	520	O4'	G A	17	-12.960	-37.840	72.124	1.00	0.00	O
ATOM	521	C5'	G A	17	-14.367	-39.626	71.307	1.00	0.00	C
ATOM	522	O5'	G A	17	-14.352	-39.361	69.882	1.00	0.00	O
ATOM	523	O1P	G A	17	-16.605	-40.181	69.115	1.00	0.00	O
ATOM	524	O2P	G A	17	-14.667	-40.161	67.522	1.00	0.00	O
ATOM	525	P	G A	17	-15.152	-40.342	68.912	1.00	0.00	P
ATOM	526	H1	G A	17	-6.832	-35.652	70.520	1.00	0.00	H
ATOM	527	H8	G A	17	-12.462	-38.301	68.798	1.00	0.00	H
ATOM	528	H1'	G A	17	-12.562	-35.864	71.849	1.00	0.00	H
ATOM	529	H21	G A	17	-7.079	-34.467	72.349	1.00	0.00	H
ATOM	530	H3'	G A	17	-16.012	-37.517	70.939	1.00	0.00	H
ATOM	531	H22	G A	17	-8.647	-34.309	73.187	1.00	0.00	H
ATOM	532	H4'	G A	17	-14.767	-38.505	73.056	1.00	0.00	H
ATOM	533	H2'1	G A	17	-14.120	-37.054	69.535	1.00	0.00	H
ATOM	534	H2'2	G A	17	-14.333	-35.492	70.316	1.00	0.00	H
ATOM	535	H5'1	G A	17	-13.495	-40.219	71.581	1.00	0.00	H
ATOM	536	H5'2	G A	17	-15.270	-40.176	71.571	1.00	0.00	H
ATOM	537	C1'	G A	18	-11.729	-31.980	72.093	1.00	0.00	C
ATOM	538	N1	G A	18	-7.833	-32.884	68.927	1.00	0.00	N
ATOM	539	C2	G A	18	-7.865	-32.177	70.116	1.00	0.00	C
ATOM	540	N2	G A	18	-6.705	-31.637	70.513	1.00	0.00	N
ATOM	541	N3	G A	18	-8.965	-32.022	70.849	1.00	0.00	N
ATOM	542	C4	G A	18	-10.047	-32.627	70.293	1.00	0.00	C
ATOM	543	C5	G A	18	-10.110	-33.349	69.111	1.00	0.00	C
ATOM	544	C6	G A	18	-8.940	-33.518	68.334	1.00	0.00	C
ATOM	545	O6	G A	18	-8.799	-34.118	67.268	1.00	0.00	O
ATOM	546	N7	G A	18	-11.411	-33.806	68.894	1.00	0.00	N
ATOM	547	C8	G A	18	-12.079	-33.362	69.927	1.00	0.00	C
ATOM	548	N9	G A	18	-11.319	-32.636	70.820	1.00	0.00	N
ATOM	549	C2'	G A	18	-13.114	-31.351	72.041	1.00	0.00	C
ATOM	550	C3'	G A	18	-13.630	-31.602	73.447	1.00	0.00	C
ATOM	551	O3'	G A	18	-13.160	-30.568	74.310	1.00	0.00	O
ATOM	552	C4'	G A	18	-13.027	-32.962	73.796	1.00	0.00	C
ATOM	553	O4'	G A	18	-11.737	-32.969	73.105	1.00	0.00	O
ATOM	554	C5'	G A	18	-13.814	-34.174	73.362	1.00	0.00	C
ATOM	555	O5'	G A	18	-14.444	-33.920	72.081	1.00	0.00	O
ATOM	556	O1P	G A	18	-16.901	-33.933	72.627	1.00	0.00	O
ATOM	557	O2P	G A	18	-16.124	-34.552	70.324	1.00	0.00	O
ATOM	558	P	G A	18	-15.871	-34.570	71.785	1.00	0.00	P
ATOM	559	H1	G A	18	-6.927	-32.951	68.437	1.00	0.00	H
ATOM	560	H8	G A	18	-13.144	-33.547	70.070	1.00	0.00	H
ATOM	561	H1'	G A	18	-10.973	-31.240	72.353	1.00	0.00	H
ATOM	562	H21	G A	18	-5.857	-31.765	69.940	1.00	0.00	H
ATOM	563	H3'	G A	18	-14.720	-31.634	73.485	1.00	0.00	H
ATOM	564	H22	G A	18	-6.663	-31.097	71.387	1.00	0.00	H



ATOM	565	H4'	G A	18	-12.929	-32.996	74.879	1.00	0.00	H
ATOM	566	H2'1	G A	18	-13.754	-31.821	71.295	1.00	0.00	H
ATOM	567	H2'2	G A	18	-13.077	-30.285	71.814	1.00	0.00	H
ATOM	568	H5'1	G A	18	-13.141	-35.027	73.279	1.00	0.00	H
ATOM	569	H5'2	G A	18	-14.576	-34.392	74.110	1.00	0.00	H
ATOM	570	C1'	T A	19	-9.049	-27.854	71.552	1.00	0.00	C
ATOM	571	N1	T A	19	-9.522	-28.599	70.355	1.00	0.00	N
ATOM	572	C2	T A	19	-8.580	-28.918	69.398	1.00	0.00	C
ATOM	573	O2	T A	19	-7.404	-28.616	69.504	1.00	0.00	O
ATOM	574	N3	T A	19	-9.063	-29.610	68.304	1.00	0.00	N
ATOM	575	C4	T A	19	-10.369	-29.997	68.086	1.00	0.00	C
ATOM	576	O4	T A	19	-10.684	-30.613	67.061	1.00	0.00	O
ATOM	577	C5	T A	19	-11.281	-29.619	69.140	1.00	0.00	C
ATOM	578	C6	T A	19	-10.845	-28.943	70.222	1.00	0.00	C
ATOM	579	C7	T A	19	-12.713	-30.021	68.947	1.00	0.00	C
ATOM	580	C2'	T A	19	-10.034	-26.805	72.053	1.00	0.00	C
ATOM	581	C3'	T A	19	-9.841	-26.881	73.559	1.00	0.00	C
ATOM	582	O3'	T A	19	-8.734	-26.065	73.932	1.00	0.00	O
ATOM	583	C4'	T A	19	-9.568	-28.366	73.790	1.00	0.00	C
ATOM	584	O4'	T A	19	-8.846	-28.791	72.592	1.00	0.00	O
ATOM	585	C5'	T A	19	-10.778	-29.253	73.968	1.00	0.00	C
ATOM	586	O5'	T A	19	-11.849	-28.798	73.104	1.00	0.00	O
ATOM	587	O1P	T A	19	-13.608	-28.008	74.721	1.00	0.00	O
ATOM	588	O2P	T A	19	-14.275	-28.833	72.447	1.00	0.00	O
ATOM	589	P	T A	19	-13.356	-28.943	73.606	1.00	0.00	P
ATOM	590	H3	T A	19	-8.378	-29.864	67.578	1.00	0.00	H
ATOM	591	H6	T A	19	-11.552	-28.669	71.005	1.00	0.00	H
ATOM	592	H1'	T A	19	-8.085	-27.402	71.314	1.00	0.00	H
ATOM	593	H3'	T A	19	-10.730	-26.556	74.100	1.00	0.00	H
ATOM	594	H4'	T A	19	-8.967	-28.439	74.698	1.00	0.00	H
ATOM	595	H71	T A	19	-13.328	-29.129	68.833	1.00	0.00	H
ATOM	596	H72	T A	19	-12.798	-30.638	68.051	1.00	0.00	H
ATOM	597	H73	T A	19	-13.053	-30.589	69.812	1.00	0.00	H
ATOM	598	H2'1	T A	19	-11.060	-27.036	71.771	1.00	0.00	H
ATOM	599	H2'2	T A	19	-9.807	-25.809	71.673	1.00	0.00	H
ATOM	600	H5'1	T A	19	-10.511	-30.279	73.715	1.00	0.00	H
ATOM	601	H5'2	T A	19	-11.102	-29.214	75.006	1.00	0.00	H
ATOM	602	C01	LNK A	20	-8.518	-22.398	74.540	0.00	0.00	C
ATOM	603	O1	LNK A	20	-9.245	-23.569	74.157	1.00	0.00	O
ATOM	604	S	LNK A	20	-9.073	-18.464	74.789	0.00	0.00	S
ATOM	605	C02	LNK A	20	-9.420	-21.160	74.381	0.00	0.00	C
ATOM	606	C03	LNK A	20	-8.575	-19.968	73.892	0.00	0.00	C
ATOM	607	O1P	LNK A	20	-9.539	-24.611	71.885	1.00	0.00	O
ATOM	608	O2P	LNK A	20	-7.237	-24.101	72.745	1.00	0.00	O
ATOM	609	P	LNK A	20	-8.627	-24.526	73.042	1.00	0.00	P
ATOM	610	H01	LNK A	20	-7.638	-22.291	73.905	0.00	0.00	H
ATOM	611	H02	LNK A	20	-8.206	-22.488	75.581	0.00	0.00	H
ATOM	612	H03	LNK A	20	-8.735	-19.823	72.824	0.00	0.00	H
ATOM	613	H04	LNK A	20	-9.875	-20.915	75.341	0.00	0.00	H
ATOM	614	H05	LNK A	20	-10.203	-21.372	73.653	0.00	0.00	H
ATOM	615	H06	LNK A	20	-7.521	-20.170	74.078	0.00	0.00	H
ATOM	616	AU	LNK A	20	-8.771	-17.918	74.505			
TER										
ATOM	618	C1'	A B	2	-3.233	-31.281	62.989	1.00	0.00	C

ATOM	619	N1	A B	2	-7.118	-30.341	66.209	1.00	0.00	N
ATOM	620	C2	A B	2	-5.822	-30.053	66.258	1.00	0.00	C
ATOM	621	N3	A B	2	-4.871	-30.323	65.389	1.00	0.00	N
ATOM	622	C4	A B	2	-5.379	-30.992	64.337	1.00	0.00	C
ATOM	623	C5	A B	2	-6.678	-31.362	64.136	1.00	0.00	C
ATOM	624	C6	A B	2	-7.596	-31.007	65.147	1.00	0.00	C
ATOM	625	N6	A B	2	-8.905	-31.304	65.087	1.00	0.00	N
ATOM	626	N7	A B	2	-6.826	-32.035	62.935	1.00	0.00	N
ATOM	627	C8	A B	2	-5.623	-32.062	62.443	1.00	0.00	C
ATOM	628	N9	A B	2	-4.692	-31.444	63.237	1.00	0.00	N
ATOM	629	C2'	A B	2	-2.585	-32.486	62.322	1.00	0.00	C
ATOM	630	C3'	A B	2	-1.551	-31.833	61.420	1.00	0.00	C
ATOM	631	O3'	A B	2	-0.369	-31.574	62.175	1.00	0.00	O
ATOM	632	C4'	A B	2	-2.249	-30.545	60.981	1.00	0.00	C
ATOM	633	O4'	A B	2	-3.065	-30.165	62.135	1.00	0.00	O
ATOM	634	C5'	A B	2	-3.142	-30.646	59.768	1.00	0.00	C
ATOM	635	O5'	A B	2	-3.825	-31.925	59.767	1.00	0.00	O
ATOM	636	H2	A B	2	-5.497	-29.515	67.147	1.00	0.00	H
ATOM	637	H8	A B	2	-5.379	-32.530	61.489	1.00	0.00	H
ATOM	638	H1'	A B	2	-2.750	-31.053	63.940	1.00	0.00	H
ATOM	639	H3'	A B	2	-1.302	-32.456	60.563	1.00	0.00	H
ATOM	640	H4'	A B	2	-1.464	-29.822	60.758	1.00	0.00	H
ATOM	641	H61	A B	2	-9.533	-31.020	65.851	1.00	0.00	H
ATOM	642	H62	A B	2	-9.279	-31.818	64.275	1.00	0.00	H
ATOM	643	H2'1	A B	2	-3.299	-33.074	61.745	1.00	0.00	H
ATOM	644	H2'2	A B	2	-2.116	-33.156	63.043	1.00	0.00	H
ATOM	645	H5'1	A B	2	-3.874	-29.839	59.795	1.00	0.00	H
ATOM	646	H5'2	A B	2	-2.536	-30.551	58.869	1.00	0.00	H
ATOM	647	C1'	C B	3	-1.814	-32.108	67.675	1.00	0.00	C
ATOM	648	N1	C B	3	-3.052	-32.737	67.139	1.00	0.00	N
ATOM	649	C2	C B	3	-4.227	-32.597	67.874	1.00	0.00	C
ATOM	650	O2	C B	3	-4.194	-31.959	68.935	1.00	0.00	O
ATOM	651	N3	C B	3	-5.365	-33.163	67.403	1.00	0.00	N
ATOM	652	C4	C B	3	-5.368	-33.849	66.252	1.00	0.00	C
ATOM	653	N4	C B	3	-6.510	-34.379	65.837	1.00	0.00	N
ATOM	654	C5	C B	3	-4.173	-34.014	65.476	1.00	0.00	C
ATOM	655	C6	C B	3	-3.039	-33.431	65.968	1.00	0.00	C
ATOM	656	C2'	C B	3	-0.557	-32.937	67.453	1.00	0.00	C
ATOM	657	C3'	C B	3	0.491	-31.864	67.202	1.00	0.00	C
ATOM	658	O3'	C B	3	0.986	-31.392	68.454	1.00	0.00	O
ATOM	659	C4'	C B	3	-0.294	-30.791	66.450	1.00	0.00	C
ATOM	660	O4'	C B	3	-1.642	-30.868	67.014	1.00	0.00	O
ATOM	661	C5'	C B	3	-0.388	-30.955	64.952	1.00	0.00	C
ATOM	662	O5'	C B	3	-0.499	-32.362	64.618	1.00	0.00	O
ATOM	663	O1P	C B	3	1.646	-32.842	63.391	1.00	0.00	O
ATOM	664	O2P	C B	3	-0.408	-34.203	62.910	1.00	0.00	O
ATOM	665	P	C B	3	0.174	-32.887	63.273	1.00	0.00	P
ATOM	666	H5	C B	3	-4.168	-34.577	64.542	1.00	0.00	H
ATOM	667	H6	C B	3	-2.107	-33.522	65.409	1.00	0.00	H
ATOM	668	H1'	C B	3	-1.966	-31.904	68.736	1.00	0.00	H
ATOM	669	H3'	C B	3	1.321	-32.236	66.603	1.00	0.00	H
ATOM	670	H4'	C B	3	0.198	-29.840	66.649	1.00	0.00	H
ATOM	671	H41	C B	3	-6.540	-34.908	64.953	1.00	0.00	H
ATOM	672	H42	C B	3	-7.367	-34.261	66.397	1.00	0.00	H

ATOM	673	H2'1	C B	3	-0.650	-33.608	66.600	1.00	0.00	H
ATOM	674	H2'2	C B	3	-0.304	-33.544	68.323	1.00	0.00	H
ATOM	675	H5'1	C B	3	-1.266	-30.420	64.587	1.00	0.00	H
ATOM	676	H5'2	C B	3	0.504	-30.537	64.490	1.00	0.00	H
ATOM	677	C1'	C B	4	-2.597	-33.236	72.433	1.00	0.00	C
ATOM	678	N1	C B	4	-3.135	-34.104	71.350	1.00	0.00	N
ATOM	679	C2	C B	4	-4.488	-34.436	71.392	1.00	0.00	C
ATOM	680	O2	C B	4	-5.183	-33.999	72.319	1.00	0.00	O
ATOM	681	N3	C B	4	-4.999	-35.225	70.417	1.00	0.00	N
ATOM	682	C4	C B	4	-4.221	-35.685	69.426	1.00	0.00	C
ATOM	683	N4	C B	4	-4.772	-36.450	68.495	1.00	0.00	N
ATOM	684	C5	C B	4	-2.826	-35.363	69.360	1.00	0.00	C
ATOM	685	C6	C B	4	-2.334	-34.562	70.351	1.00	0.00	C
ATOM	686	C2'	C B	4	-1.192	-33.613	72.881	1.00	0.00	C
ATOM	687	C3'	C B	4	-0.581	-32.254	73.186	1.00	0.00	C
ATOM	688	O3'	C B	4	-0.933	-31.869	74.512	1.00	0.00	O
ATOM	689	C4'	C B	4	-1.219	-31.351	72.133	1.00	0.00	C
ATOM	690	O4'	C B	4	-2.559	-31.910	71.941	1.00	0.00	O
ATOM	691	C5'	C B	4	-0.526	-31.289	70.791	1.00	0.00	C
ATOM	692	O5'	C B	4	0.014	-32.592	70.457	1.00	0.00	O
ATOM	693	O1P	C B	4	2.502	-32.216	70.483	1.00	0.00	O
ATOM	694	O2P	C B	4	1.521	-34.021	69.043	1.00	0.00	O
ATOM	695	P	C B	4	1.380	-32.670	69.640	1.00	0.00	P
ATOM	696	H5	C B	4	-2.188	-35.740	68.560	1.00	0.00	H
ATOM	697	H6	C B	4	-1.281	-34.285	70.340	1.00	0.00	H
ATOM	698	H1'	C B	4	-3.295	-33.263	73.270	1.00	0.00	H
ATOM	699	H3'	C B	4	0.505	-32.264	73.089	1.00	0.00	H
ATOM	700	H4'	C B	4	-1.234	-30.342	72.546	1.00	0.00	H
ATOM	701	H41	C B	4	-4.198	-36.815	67.719	1.00	0.00	H
ATOM	702	H42	C B	4	-5.777	-36.682	68.545	1.00	0.00	H
ATOM	703	H2'1	C B	4	-0.635	-34.133	72.102	1.00	0.00	H
ATOM	704	H2'2	C B	4	-1.197	-34.253	73.764	1.00	0.00	H
ATOM	705	H5'1	C B	4	-1.244	-30.981	70.031	1.00	0.00	H
ATOM	706	H5'2	C B	4	0.280	-30.558	70.840	1.00	0.00	H
ATOM	707	C1'	G B	5	-5.126	-35.305	76.155	1.00	0.00	C
ATOM	708	N1	G B	5	-6.851	-38.418	72.499	1.00	0.00	N
ATOM	709	C2	G B	5	-7.529	-37.812	73.543	1.00	0.00	C
ATOM	710	N2	G B	5	-8.839	-38.072	73.624	1.00	0.00	N
ATOM	711	N3	G B	5	-6.944	-37.011	74.432	1.00	0.00	N
ATOM	712	C4	G B	5	-5.614	-36.866	74.202	1.00	0.00	C
ATOM	713	C5	G B	5	-4.855	-37.434	73.191	1.00	0.00	C
ATOM	714	C6	G B	5	-5.473	-38.280	72.244	1.00	0.00	C
ATOM	715	O6	G B	5	-4.973	-38.870	71.288	1.00	0.00	O
ATOM	716	N7	G B	5	-3.521	-37.034	73.308	1.00	0.00	N
ATOM	717	C8	G B	5	-3.515	-36.252	74.357	1.00	0.00	C
ATOM	718	N9	G B	5	-4.749	-36.103	74.956	1.00	0.00	N
ATOM	719	C2'	G B	5	-4.073	-35.317	77.254	1.00	0.00	C
ATOM	720	C3'	G B	5	-4.185	-33.908	77.815	1.00	0.00	C
ATOM	721	O3'	G B	5	-5.234	-33.869	78.779	1.00	0.00	O
ATOM	722	C4'	G B	5	-4.505	-33.073	76.577	1.00	0.00	C
ATOM	723	O4'	G B	5	-5.310	-33.965	75.741	1.00	0.00	O
ATOM	724	C5'	G B	5	-3.325	-32.587	75.770	1.00	0.00	C
ATOM	725	O5'	G B	5	-2.285	-33.597	75.764	1.00	0.00	O
ATOM	726	O1P	G B	5	-0.408	-32.511	77.041	1.00	0.00	O

ATOM	727	O2P	G B	5	0.096	-34.260	75.316	1.00	0.00	O
ATOM	728	P	G B	5	-0.761	-33.130	75.749	1.00	0.00	P
ATOM	729	H1	G B	5	-7.398	-39.015	71.860	1.00	0.00	H
ATOM	730	H8	G B	5	-2.614	-35.764	74.729	1.00	0.00	H
ATOM	731	H1'	G B	5	-6.081	-35.676	76.524	1.00	0.00	H
ATOM	732	H21	G B	5	-9.286	-38.689	72.931	1.00	0.00	H
ATOM	733	H3'	G B	5	-3.254	-33.579	78.281	1.00	0.00	H
ATOM	734	H22	G B	5	-9.400	-37.654	74.380	1.00	0.00	H
ATOM	735	H4'	G B	5	-5.058	-32.198	76.918	1.00	0.00	H
ATOM	736	H2'1	G B	5	-3.072	-35.512	76.868	1.00	0.00	H
ATOM	737	H2'2	G B	5	-4.281	-36.066	78.018	1.00	0.00	H
ATOM	738	H5'1	G B	5	-3.649	-32.386	74.750	1.00	0.00	H
ATOM	739	H5'2	G B	5	-2.942	-31.669	76.213	1.00	0.00	H
ATOM	740	C1'	T B	6	-8.262	-38.588	78.128	1.00	0.00	C
ATOM	741	N1	T B	6	-7.136	-39.049	77.272	1.00	0.00	N
ATOM	742	C2	T B	6	-7.443	-39.904	76.235	1.00	0.00	C
ATOM	743	O2	T B	6	-8.578	-40.284	76.004	1.00	0.00	O
ATOM	744	N3	T B	6	-6.366	-40.307	75.465	1.00	0.00	N
ATOM	745	C4	T B	6	-5.048	-39.943	75.640	1.00	0.00	C
ATOM	746	O4	T B	6	-4.167	-40.372	74.886	1.00	0.00	O
ATOM	747	C5	T B	6	-4.827	-39.045	76.749	1.00	0.00	C
ATOM	748	C6	T B	6	-5.851	-38.632	77.520	1.00	0.00	C
ATOM	749	C7	T B	6	-3.406	-38.620	76.975	1.00	0.00	C
ATOM	750	C2'	T B	6	-7.903	-38.471	79.604	1.00	0.00	C
ATOM	751	C3'	T B	6	-8.713	-37.256	80.032	1.00	0.00	C
ATOM	752	O3'	T B	6	-10.040	-37.668	80.355	1.00	0.00	O
ATOM	753	C4'	T B	6	-8.671	-36.365	78.793	1.00	0.00	C
ATOM	754	O4'	T B	6	-8.653	-37.307	77.673	1.00	0.00	O
ATOM	755	C5'	T B	6	-7.480	-35.444	78.668	1.00	0.00	C
ATOM	756	O5'	T B	6	-6.294	-36.105	79.178	1.00	0.00	O
ATOM	757	O1P	T B	6	-5.697	-34.742	81.209	1.00	0.00	O
ATOM	758	O2P	T B	6	-3.910	-35.986	79.962	1.00	0.00	O
ATOM	759	P	T B	6	-5.183	-35.228	79.913	1.00	0.00	P
ATOM	760	H3	T B	6	-6.571	-40.945	74.681	1.00	0.00	H
ATOM	761	H6	T B	6	-5.658	-37.954	78.352	1.00	0.00	H
ATOM	762	H1'	T B	6	-9.102	-39.266	77.983	1.00	0.00	H
ATOM	763	H3'	T B	6	-8.272	-36.755	80.892	1.00	0.00	H
ATOM	764	H4'	T B	6	-9.568	-35.747	78.816	1.00	0.00	H
ATOM	765	H71	T B	6	-3.055	-39.015	77.928	1.00	0.00	H
ATOM	766	H72	T B	6	-2.779	-39.003	76.169	1.00	0.00	H
ATOM	767	H73	T B	6	-3.350	-37.531	76.992	1.00	0.00	H
ATOM	768	H2'1	T B	6	-6.838	-38.312	79.759	1.00	0.00	H
ATOM	769	H2'2	T B	6	-8.189	-39.358	80.171	1.00	0.00	H
ATOM	770	H5'1	T B	6	-7.335	-35.186	77.619	1.00	0.00	H
ATOM	771	H5'2	T B	6	-7.669	-34.536	79.239	1.00	0.00	H
ATOM	772	C1'	C B	7	-10.639	-42.946	78.238	1.00	0.00	C
ATOM	773	N1	C B	7	-9.158	-42.896	78.088	1.00	0.00	N
ATOM	774	C2	C B	7	-8.584	-43.617	77.043	1.00	0.00	C
ATOM	775	O2	C B	7	-9.322	-44.264	76.287	1.00	0.00	O
ATOM	776	N3	C B	7	-7.237	-43.585	76.889	1.00	0.00	N
ATOM	777	C4	C B	7	-6.466	-42.877	77.724	1.00	0.00	C
ATOM	778	N4	C B	7	-5.157	-42.879	77.525	1.00	0.00	N
ATOM	779	C5	C B	7	-7.028	-42.129	78.811	1.00	0.00	C
ATOM	780	C6	C B	7	-8.388	-42.172	78.943	1.00	0.00	C

ATOM	781	C2'	C B	7	-11.109	-42.981	79.685	1.00	0.00	C
ATOM	782	C3'	C B	7	-12.385	-42.156	79.624	1.00	0.00	C
ATOM	783	O3'	C B	7	-13.465	-42.994	79.221	1.00	0.00	O
ATOM	784	C4'	C B	7	-12.054	-41.095	78.578	1.00	0.00	C
ATOM	785	O4'	C B	7	-11.172	-41.782	77.634	1.00	0.00	O
ATOM	786	C5'	C B	7	-11.352	-39.852	79.078	1.00	0.00	C
ATOM	787	O5'	C B	7	-10.421	-40.207	80.131	1.00	0.00	O
ATOM	788	O1P	C B	7	-11.396	-39.095	82.168	1.00	0.00	O
ATOM	789	O2P	C B	7	-8.928	-39.518	82.030	1.00	0.00	O
ATOM	790	P	C B	7	-10.186	-39.177	81.326	1.00	0.00	P
ATOM	791	H5	C B	7	-6.403	-41.558	79.496	1.00	0.00	H
ATOM	792	H6	C B	7	-8.863	-41.614	79.749	1.00	0.00	H
ATOM	793	H1'	C B	7	-11.008	-43.810	77.685	1.00	0.00	H
ATOM	794	H3'	C B	7	-12.621	-41.699	80.587	1.00	0.00	H
ATOM	795	H4'	C B	7	-12.997	-40.785	78.131	1.00	0.00	H
ATOM	796	H41	C B	7	-4.541	-42.340	78.151	1.00	0.00	H
ATOM	797	H42	C B	7	-4.754	-43.419	76.744	1.00	0.00	H
ATOM	798	H2'1	C B	7	-10.382	-42.541	80.367	1.00	0.00	H
ATOM	799	H2'2	C B	7	-11.307	-43.997	80.031	1.00	0.00	H
ATOM	800	H5'1	C B	7	-10.814	-39.389	78.251	1.00	0.00	H
ATOM	801	H5'2	C B	7	-12.094	-39.154	79.462	1.00	0.00	H
ATOM	802	C1'	C B	8	-11.174	-47.755	77.182	1.00	0.00	C
ATOM	803	N1	C B	8	-9.917	-47.251	77.799	1.00	0.00	N
ATOM	804	C2	C B	8	-8.709	-47.591	77.192	1.00	0.00	C
ATOM	805	O2	C B	8	-8.732	-48.292	76.171	1.00	0.00	O
ATOM	806	N3	C B	8	-7.554	-47.142	77.737	1.00	0.00	N
ATOM	807	C4	C B	8	-7.562	-46.384	78.842	1.00	0.00	C
ATOM	808	N4	C B	8	-6.402	-45.970	79.331	1.00	0.00	N
ATOM	809	C5	C B	8	-8.788	-46.022	79.493	1.00	0.00	C
ATOM	810	C6	C B	8	-9.941	-46.482	78.921	1.00	0.00	C
ATOM	811	C2'	C B	8	-12.235	-48.162	78.196	1.00	0.00	C
ATOM	812	C3'	C B	8	-13.520	-47.748	77.494	1.00	0.00	C
ATOM	813	O3'	C B	8	-13.924	-48.787	76.607	1.00	0.00	O
ATOM	814	C4'	C B	8	-13.106	-46.481	76.750	1.00	0.00	C
ATOM	815	O4'	C B	8	-11.708	-46.715	76.384	1.00	0.00	O
ATOM	816	C5'	C B	8	-13.191	-45.187	77.525	1.00	0.00	C
ATOM	817	O5'	C B	8	-12.819	-45.419	78.907	1.00	0.00	O
ATOM	818	O1P	C B	8	-14.956	-44.990	80.167	1.00	0.00	O
ATOM	819	O2P	C B	8	-12.743	-44.643	81.295	1.00	0.00	O
ATOM	820	P	C B	8	-13.544	-44.576	80.049	1.00	0.00	P
ATOM	821	H5	C B	8	-8.801	-45.413	80.395	1.00	0.00	H
ATOM	822	H6	C B	8	-10.899	-46.227	79.375	1.00	0.00	H
ATOM	823	H1'	C B	8	-10.922	-48.587	76.525	1.00	0.00	H
ATOM	824	H3'	C B	8	-14.323	-47.544	78.202	1.00	0.00	H
ATOM	825	H4'	C B	8	-13.765	-46.392	75.885	1.00	0.00	H
ATOM	826	H41	C B	8	-6.381	-45.383	80.178	1.00	0.00	H
ATOM	827	H42	C B	8	-5.522	-46.233	78.863	1.00	0.00	H
ATOM	828	H2'1	C B	8	-12.118	-47.645	79.148	1.00	0.00	H
ATOM	829	H2'2	C B	8	-12.221	-49.233	78.400	1.00	0.00	H
ATOM	830	H5'1	C B	8	-12.516	-44.457	77.081	1.00	0.00	H
ATOM	831	H5'2	C B	8	-14.211	-44.809	77.478	1.00	0.00	H
ATOM	832	C1'	T B	9	-9.516	-52.273	76.031	1.00	0.00	C
ATOM	833	N1	T B	9	-8.938	-51.536	77.186	1.00	0.00	N
ATOM	834	C2	T B	9	-7.563	-51.427	77.238	1.00	0.00	C

ATOM	835	O2	T B	9	-6.831	-51.905	76.390	1.00	0.00	O
ATOM	836	N3	T B	9	-7.068	-50.733	78.327	1.00	0.00	N
ATOM	837	C4	T B	9	-7.806	-50.159	79.340	1.00	0.00	C
ATOM	838	O4	T B	9	-7.249	-49.563	80.270	1.00	0.00	O
ATOM	839	C5	T B	9	-9.234	-50.325	79.198	1.00	0.00	C
ATOM	840	C6	T B	9	-9.751	-50.994	78.149	1.00	0.00	C
ATOM	841	C7	T B	9	-10.075	-49.712	80.278	1.00	0.00	C
ATOM	842	C2'	T B	9	-10.732	-53.123	76.390	1.00	0.00	C
ATOM	843	C3'	T B	9	-11.592	-52.987	75.144	1.00	0.00	C
ATOM	844	O3'	T B	9	-11.170	-53.947	74.177	1.00	0.00	O
ATOM	845	C4'	T B	9	-11.318	-51.554	74.695	1.00	0.00	C
ATOM	846	O4'	T B	9	-9.922	-51.321	75.068	1.00	0.00	O
ATOM	847	C5'	T B	9	-12.173	-50.477	75.321	1.00	0.00	C
ATOM	848	O5'	T B	9	-12.438	-50.809	76.707	1.00	0.00	O
ATOM	849	O1P	T B	9	-14.921	-51.211	76.744	1.00	0.00	O
ATOM	850	O2P	T B	9	-13.746	-50.427	78.818	1.00	0.00	O
ATOM	851	P	T B	9	-13.843	-50.396	77.339	1.00	0.00	P
ATOM	852	H3	T B	9	-6.044	-50.634	78.387	1.00	0.00	H
ATOM	853	H6	T B	9	-10.832	-51.106	78.065	1.00	0.00	H
ATOM	854	H1'	T B	9	-8.731	-52.886	75.587	1.00	0.00	H
ATOM	855	H3'	T B	9	-12.650	-53.136	75.362	1.00	0.00	H
ATOM	856	H4'	T B	9	-11.481	-51.524	73.616	1.00	0.00	H
ATOM	857	H71	T B	9	-10.586	-50.501	80.832	1.00	0.00	H
ATOM	858	H72	T B	9	-9.440	-49.143	80.957	1.00	0.00	H
ATOM	859	H73	T B	9	-10.814	-49.047	79.829	1.00	0.00	H
ATOM	860	H2'1	T B	9	-11.248	-52.749	77.272	1.00	0.00	H
ATOM	861	H2'2	T B	9	-10.467	-54.162	76.580	1.00	0.00	H
ATOM	862	H5'1	T B	9	-11.647	-49.524	75.263	1.00	0.00	H
ATOM	863	H5'2	T B	9	-13.110	-50.403	74.774	1.00	0.00	H
ATOM	864	C1'	A B	10	-6.082	-55.855	75.909	1.00	0.00	C
ATOM	865	N1	A B	10	-4.211	-53.427	80.024	1.00	0.00	N
ATOM	866	C2	A B	10	-3.629	-53.967	78.956	1.00	0.00	C
ATOM	867	N3	A B	10	-4.174	-54.578	77.927	1.00	0.00	N
ATOM	868	C4	A B	10	-5.511	-54.618	78.062	1.00	0.00	C
ATOM	869	C5	A B	10	-6.259	-54.115	79.091	1.00	0.00	C
ATOM	870	C6	A B	10	-5.547	-53.482	80.131	1.00	0.00	C
ATOM	871	N6	A B	10	-6.148	-52.941	81.206	1.00	0.00	N
ATOM	872	N7	A B	10	-7.608	-54.342	78.886	1.00	0.00	N
ATOM	873	C8	A B	10	-7.648	-54.976	77.751	1.00	0.00	C
ATOM	874	N9	A B	10	-6.413	-55.177	77.191	1.00	0.00	N
ATOM	875	C2'	A B	10	-6.958	-57.065	75.612	1.00	0.00	C
ATOM	876	C3'	A B	10	-7.104	-56.990	74.100	1.00	0.00	C
ATOM	877	O3'	A B	10	-5.976	-57.613	73.489	1.00	0.00	O
ATOM	878	C4'	A B	10	-7.141	-55.484	73.838	1.00	0.00	C
ATOM	879	O4'	A B	10	-6.267	-54.917	74.866	1.00	0.00	O
ATOM	880	C5'	A B	10	-8.495	-54.821	73.935	1.00	0.00	C
ATOM	881	O5'	A B	10	-9.267	-55.433	74.999	1.00	0.00	O
ATOM	882	O1P	A B	10	-11.166	-56.543	73.776	1.00	0.00	O
ATOM	883	O2P	A B	10	-11.469	-55.797	76.152	1.00	0.00	O
ATOM	884	P	A B	10	-10.848	-55.558	74.827	1.00	0.00	P
ATOM	885	H2	A B	10	-2.542	-53.892	78.933	1.00	0.00	H
ATOM	886	H8	A B	10	-8.575	-55.316	77.290	1.00	0.00	H
ATOM	887	H1'	A B	10	-5.029	-56.131	75.931	1.00	0.00	H
ATOM	888	H3'	A B	10	-8.017	-57.472	73.753	1.00	0.00	H

ATOM	889	H4'	A B	10	-6.766	-55.331	72.827	1.00	0.00	H
ATOM	890	H61	A B	10	-5.581	-52.487	81.936	1.00	0.00	H
ATOM	891	H62	A B	10	-7.172	-52.979	81.297	1.00	0.00	H
ATOM	892	H2'1	A B	10	-7.927	-57.007	76.106	1.00	0.00	H
ATOM	893	H2'2	A B	10	-6.488	-58.001	75.918	1.00	0.00	H
ATOM	894	H5'1	A B	10	-8.360	-53.760	74.142	1.00	0.00	H
ATOM	895	H5'2	A B	10	-9.019	-54.937	72.988	1.00	0.00	H
ATOM	896	C1'	G B	11	-2.035	-58.192	77.582	1.00	0.00	C
ATOM	897	N1	G B	11	-3.310	-56.046	82.031	1.00	0.00	N
ATOM	898	C2	G B	11	-2.068	-56.185	81.436	1.00	0.00	C
ATOM	899	N2	G B	11	-1.029	-55.687	82.117	1.00	0.00	N
ATOM	900	N3	G B	11	-1.880	-56.772	80.255	1.00	0.00	N
ATOM	901	C4	G B	11	-3.042	-57.222	79.712	1.00	0.00	C
ATOM	902	C5	G B	11	-4.320	-57.133	80.233	1.00	0.00	C
ATOM	903	C6	G B	11	-4.523	-56.507	81.486	1.00	0.00	C
ATOM	904	O6	G B	11	-5.572	-56.334	82.107	1.00	0.00	O
ATOM	905	N7	G B	11	-5.240	-57.723	79.363	1.00	0.00	N
ATOM	906	C8	G B	11	-4.506	-58.139	78.362	1.00	0.00	C
ATOM	907	N9	G B	11	-3.159	-57.872	78.503	1.00	0.00	N
ATOM	908	C2'	G B	11	-2.174	-59.540	76.889	1.00	0.00	C
ATOM	909	C3'	G B	11	-1.580	-59.255	75.518	1.00	0.00	C
ATOM	910	O3'	G B	11	-0.164	-59.399	75.582	1.00	0.00	O
ATOM	911	C4'	G B	11	-2.002	-57.810	75.259	1.00	0.00	C
ATOM	912	O4'	G B	11	-1.996	-57.190	76.585	1.00	0.00	O
ATOM	913	C5'	G B	11	-3.364	-57.609	74.638	1.00	0.00	C
ATOM	914	O5'	G B	11	-4.289	-58.597	75.155	1.00	0.00	O
ATOM	915	O1P	G B	11	-4.835	-60.000	73.140	1.00	0.00	O
ATOM	916	O2P	G B	11	-6.494	-59.794	75.010	1.00	0.00	O
ATOM	917	P	G B	11	-5.431	-59.160	74.194	1.00	0.00	P
ATOM	918	H1	G B	11	-3.347	-55.570	82.945	1.00	0.00	H
ATOM	919	H8	G B	11	-4.921	-58.652	77.495	1.00	0.00	H
ATOM	920	H1'	G B	11	-1.104	-58.136	78.148	1.00	0.00	H
ATOM	921	H21	G B	11	-1.182	-55.232	83.028	1.00	0.00	H
ATOM	922	H3'	G B	11	-1.977	-59.924	74.754	1.00	0.00	H
ATOM	923	H22	G B	11	-0.077	-55.761	81.730	1.00	0.00	H
ATOM	924	H4'	G B	11	-1.262	-57.380	74.585	1.00	0.00	H
ATOM	925	H2'1	G B	11	-3.213	-59.860	76.812	1.00	0.00	H
ATOM	926	H2'2	G B	11	-1.624	-60.328	77.404	1.00	0.00	H
ATOM	927	H5'1	G B	11	-3.722	-56.608	74.875	1.00	0.00	H
ATOM	928	H5'2	G B	11	-3.281	-57.714	73.556	1.00	0.00	H
ATOM	929	C1'	G B	12	1.238	-59.492	81.064	1.00	0.00	C
ATOM	930	N1	G B	12	-2.640	-58.570	84.248	1.00	0.00	N
ATOM	931	C2	G B	12	-1.300	-58.241	84.360	1.00	0.00	C
ATOM	932	N2	G B	12	-0.947	-57.578	85.469	1.00	0.00	N
ATOM	933	N3	G B	12	-0.388	-58.545	83.440	1.00	0.00	N
ATOM	934	C4	G B	12	-0.921	-59.221	82.390	1.00	0.00	C
ATOM	935	C5	G B	12	-2.239	-59.597	82.194	1.00	0.00	C
ATOM	936	C6	G B	12	-3.209	-59.270	83.168	1.00	0.00	C
ATOM	937	O6	G B	12	-4.415	-59.515	83.174	1.00	0.00	O
ATOM	938	N7	G B	12	-2.373	-60.280	80.983	1.00	0.00	N
ATOM	939	C8	G B	12	-1.161	-60.293	80.491	1.00	0.00	C
ATOM	940	N9	G B	12	-0.222	-59.671	81.289	1.00	0.00	N
ATOM	941	C2'	G B	12	1.908	-60.689	80.405	1.00	0.00	C
ATOM	942	C3'	G B	12	2.949	-60.024	79.518	1.00	0.00	C

ATOM	943	O3'	G B	12	4.118	-59.756	80.289	1.00	0.00	O
ATOM	944	C4'	G B	12	2.245	-58.744	79.072	1.00	0.00	C
ATOM	945	O4'	G B	12	1.410	-58.374	80.214	1.00	0.00	O
ATOM	946	C5'	G B	12	1.369	-58.852	77.847	1.00	0.00	C
ATOM	947	O5'	G B	12	0.699	-60.137	77.835	1.00	0.00	O
ATOM	948	O1P	G B	12	1.690	-61.291	75.830	1.00	0.00	O
ATOM	949	O2P	G B	12	-0.620	-61.889	76.606	1.00	0.00	O
ATOM	950	P	G B	12	0.420	-60.845	76.433	1.00	0.00	P
ATOM	951	H1	G B	12	-3.268	-58.281	85.015	1.00	0.00	H
ATOM	952	H8	G B	12	-0.911	-60.756	79.537	1.00	0.00	H
ATOM	953	H1'	G B	12	1.705	-59.260	82.021	1.00	0.00	H
ATOM	954	H21	G B	12	-1.661	-57.341	86.175	1.00	0.00	H
ATOM	955	H3'	G B	12	3.215	-60.645	78.664	1.00	0.00	H
ATOM	956	H22	G B	12	0.034	-57.306	85.614	1.00	0.00	H
ATOM	957	H4'	G B	12	3.024	-58.011	78.860	1.00	0.00	H
ATOM	958	H2'1	G B	12	1.208	-61.284	79.817	1.00	0.00	H
ATOM	959	H2'2	G B	12	2.373	-61.356	81.131	1.00	0.00	H
ATOM	960	H5'1	G B	12	0.629	-58.052	77.864	1.00	0.00	H
ATOM	961	H5'2	G B	12	1.987	-58.750	76.955	1.00	0.00	H
ATOM	962	C1'	T B	13	2.693	-60.327	85.721	1.00	0.00	C
ATOM	963	N1	T B	13	1.446	-60.950	85.204	1.00	0.00	N
ATOM	964	C2	T B	13	0.301	-60.790	85.960	1.00	0.00	C
ATOM	965	O2	T B	13	0.286	-60.172	87.010	1.00	0.00	O
ATOM	966	N3	T B	13	-0.835	-61.383	85.442	1.00	0.00	N
ATOM	967	C4	T B	13	-0.925	-62.105	84.270	1.00	0.00	C
ATOM	968	O4	T B	13	-2.001	-62.595	83.909	1.00	0.00	O
ATOM	969	C5	T B	13	0.322	-62.216	83.548	1.00	0.00	C
ATOM	970	C6	T B	13	1.449	-61.649	84.023	1.00	0.00	C
ATOM	971	C7	T B	13	0.271	-62.990	82.265	1.00	0.00	C
ATOM	972	C2'	T B	13	3.943	-61.166	85.483	1.00	0.00	C
ATOM	973	C3'	T B	13	4.994	-60.100	85.215	1.00	0.00	C
ATOM	974	O3'	T B	13	5.510	-59.631	86.459	1.00	0.00	O
ATOM	975	C4'	T B	13	4.206	-59.023	84.473	1.00	0.00	C
ATOM	976	O4'	T B	13	2.865	-59.090	85.057	1.00	0.00	O
ATOM	977	C5'	T B	13	4.089	-59.188	82.975	1.00	0.00	C
ATOM	978	O5'	T B	13	3.965	-60.595	82.646	1.00	0.00	O
ATOM	979	O1P	T B	13	6.087	-61.091	81.392	1.00	0.00	O
ATOM	980	O2P	T B	13	4.020	-62.439	80.941	1.00	0.00	O
ATOM	981	P	T B	13	4.615	-61.127	81.292	1.00	0.00	P
ATOM	982	H3	T B	13	-1.703	-61.276	85.987	1.00	0.00	H
ATOM	983	H6	T B	13	2.377	-61.748	83.461	1.00	0.00	H
ATOM	984	H1'	T B	13	2.559	-60.121	86.783	1.00	0.00	H
ATOM	985	H3'	T B	13	5.813	-60.480	84.605	1.00	0.00	H
ATOM	986	H4'	T B	13	4.709	-58.075	84.665	1.00	0.00	H
ATOM	987	H71	T B	13	0.871	-63.895	82.361	1.00	0.00	H
ATOM	988	H72	T B	13	-0.762	-63.262	82.045	1.00	0.00	H
ATOM	989	H73	T B	13	0.665	-62.377	81.453	1.00	0.00	H
ATOM	990	H2'1	T B	13	3.834	-61.837	84.632	1.00	0.00	H
ATOM	991	H2'2	T B	13	4.205	-61.774	86.349	1.00	0.00	H
ATOM	992	H5'1	T B	13	3.213	-58.646	82.623	1.00	0.00	H
ATOM	993	H5'2	T B	13	4.980	-58.778	82.501	1.00	0.00	H
ATOM	994	C1'	G B	14	1.888	-61.455	90.489	1.00	0.00	C
ATOM	995	N1	G B	14	-2.268	-63.783	88.664	1.00	0.00	N
ATOM	996	C2	G B	14	-2.116	-62.993	89.789	1.00	0.00	C



ATOM	997	N2	G B	14	-3.214	-62.798	90.528	1.00	0.00	N
ATOM	998	N3	G B	14	-0.957	-62.441	90.148	1.00	0.00	N
ATOM	999	C4	G B	14	0.050	-62.748	89.289	1.00	0.00	C
ATOM	1000	C5	G B	14	-0.008	-63.530	88.148	1.00	0.00	C
ATOM	1001	C6	G B	14	-1.237	-64.114	87.764	1.00	0.00	C
ATOM	1002	O6	G B	14	-1.486	-64.831	86.794	1.00	0.00	O
ATOM	1003	N7	G B	14	1.250	-63.601	87.546	1.00	0.00	N
ATOM	1004	C8	G B	14	2.013	-62.875	88.323	1.00	0.00	C
ATOM	1005	N9	G B	14	1.356	-62.325	89.405	1.00	0.00	N
ATOM	1006	C2'	G B	14	3.295	-61.826	90.938	1.00	0.00	C
ATOM	1007	C3'	G B	14	3.900	-60.466	91.246	1.00	0.00	C
ATOM	1008	O3'	G B	14	3.544	-60.085	92.572	1.00	0.00	O
ATOM	1009	C4'	G B	14	3.259	-59.564	90.193	1.00	0.00	C
ATOM	1010	O4'	G B	14	1.923	-60.128	90.000	1.00	0.00	O
ATOM	1011	C5'	G B	14	3.954	-59.495	88.854	1.00	0.00	C
ATOM	1012	O5'	G B	14	4.499	-60.795	88.517	1.00	0.00	O
ATOM	1013	O1P	G B	14	6.986	-60.410	88.547	1.00	0.00	O
ATOM	1014	O2P	G B	14	6.014	-62.215	87.102	1.00	0.00	O
ATOM	1015	P	G B	14	5.867	-60.866	87.700	1.00	0.00	P
ATOM	1016	H1	G B	14	-3.209	-64.159	88.470	1.00	0.00	H
ATOM	1017	H8	G B	14	3.076	-62.718	88.133	1.00	0.00	H
ATOM	1018	H1'	G B	14	1.189	-61.485	91.326	1.00	0.00	H
ATOM	1019	H21	G B	14	-4.108	-63.227	90.241	1.00	0.00	H
ATOM	1020	H3'	G B	14	4.986	-60.472	91.149	1.00	0.00	H
ATOM	1021	H22	G B	14	-3.167	-62.222	91.380	1.00	0.00	H
ATOM	1022	H4'	G B	14	3.239	-58.556	90.610	1.00	0.00	H
ATOM	1023	H2'1	G B	14	3.855	-62.343	90.158	1.00	0.00	H
ATOM	1024	H2'2	G B	14	3.292	-62.468	91.819	1.00	0.00	H
ATOM	1025	H5'1	G B	14	3.236	-59.190	88.093	1.00	0.00	H
ATOM	1026	H5'2	G B	14	4.756	-58.761	88.905	1.00	0.00	H
ATOM	1027	C1'	C B	15	-0.640	-63.524	94.211	1.00	0.00	C
ATOM	1028	N1	C B	15	-0.270	-64.323	93.011	1.00	0.00	N
ATOM	1029	C2	C B	15	-1.277	-65.039	92.367	1.00	0.00	C
ATOM	1030	O2	C B	15	-2.430	-64.981	92.815	1.00	0.00	O
ATOM	1031	N3	C B	15	-0.961	-65.773	91.273	1.00	0.00	N
ATOM	1032	C4	C B	15	0.295	-65.815	90.813	1.00	0.00	C
ATOM	1033	N4	C B	15	0.549	-66.546	89.737	1.00	0.00	N
ATOM	1034	C5	C B	15	1.354	-65.093	91.458	1.00	0.00	C
ATOM	1035	C6	C B	15	1.010	-64.356	92.554	1.00	0.00	C
ATOM	1036	C2'	C B	15	0.413	-63.541	95.309	1.00	0.00	C
ATOM	1037	C3'	C B	15	0.310	-62.130	95.871	1.00	0.00	C
ATOM	1038	O3'	C B	15	-0.739	-62.086	96.837	1.00	0.00	O
ATOM	1039	C4'	C B	15	-0.010	-61.296	94.633	1.00	0.00	C
ATOM	1040	O4'	C B	15	-0.818	-62.182	93.796	1.00	0.00	O
ATOM	1041	C5'	C B	15	1.174	-60.815	93.824	1.00	0.00	C
ATOM	1042	O5'	C B	15	2.207	-61.829	93.819	1.00	0.00	O
ATOM	1043	O1P	C B	15	4.092	-60.751	95.092	1.00	0.00	O
ATOM	1044	O2P	C B	15	4.587	-62.503	93.367	1.00	0.00	O
ATOM	1045	P	C B	15	3.734	-61.370	93.800	1.00	0.00	P
ATOM	1046	H5	C B	15	2.380	-65.130	91.090	1.00	0.00	H
ATOM	1047	H6	C B	15	1.780	-63.785	93.076	1.00	0.00	H
ATOM	1048	H1'	C B	15	-1.598	-63.890	94.582	1.00	0.00	H
ATOM	1049	H3'	C B	15	1.241	-61.807	96.335	1.00	0.00	H
ATOM	1050	H4'	C B	15	-0.556	-60.417	94.976	1.00	0.00	H

ATOM	1051	H41	C B	15	1.507	-66.594	89.359	1.00	0.00	H
ATOM	1052	H42	C B	15	-0.213	-67.067	89.276	1.00	0.00	H
ATOM	1053	H2'1	C B	15	1.412	-63.741	94.922	1.00	0.00	H
ATOM	1054	H2'2	C B	15	0.203	-64.289	96.074	1.00	0.00	H
ATOM	1055	H5'1	C B	15	0.849	-60.611	92.804	1.00	0.00	H
ATOM	1056	H5'2	C B	15	1.561	-59.897	94.268	1.00	0.00	H
ATOM	1057	C1'	G B	16	-3.776	-66.821	96.164	1.00	0.00	C
ATOM	1058	N1	G B	16	-2.391	-69.662	92.160	1.00	0.00	N
ATOM	1059	C2	G B	16	-3.641	-69.460	92.716	1.00	0.00	C
ATOM	1060	N2	G B	16	-4.659	-70.102	92.126	1.00	0.00	N
ATOM	1061	N3	G B	16	-3.861	-68.680	93.773	1.00	0.00	N
ATOM	1062	C4	G B	16	-2.718	-68.115	94.243	1.00	0.00	C
ATOM	1063	C5	G B	16	-1.429	-68.263	93.758	1.00	0.00	C
ATOM	1064	C6	G B	16	-1.196	-69.088	92.634	1.00	0.00	C
ATOM	1065	O6	G B	16	-0.134	-69.340	92.063	1.00	0.00	O
ATOM	1066	N7	G B	16	-0.536	-67.515	94.528	1.00	0.00	N
ATOM	1067	C8	G B	16	-1.293	-66.948	95.433	1.00	0.00	C
ATOM	1068	N9	G B	16	-2.631	-67.266	95.325	1.00	0.00	N
ATOM	1069	C2'	G B	16	-3.442	-66.703	97.645	1.00	0.00	C
ATOM	1070	C3'	G B	16	-4.272	-65.499	98.064	1.00	0.00	C
ATOM	1071	O3'	G B	16	-5.597	-65.928	98.365	1.00	0.00	O
ATOM	1072	C4'	G B	16	-4.222	-64.606	96.826	1.00	0.00	C
ATOM	1073	O4'	G B	16	-4.177	-65.545	95.705	1.00	0.00	O
ATOM	1074	C5'	G B	16	-3.040	-63.670	96.721	1.00	0.00	C
ATOM	1075	O5'	G B	16	-1.855	-64.317	97.248	1.00	0.00	O
ATOM	1076	O1P	G B	16	-1.304	-62.951	99.288	1.00	0.00	O
ATOM	1077	O2P	G B	16	0.516	-64.171	98.067	1.00	0.00	O
ATOM	1078	P	G B	16	-0.766	-63.427	98.000	1.00	0.00	P
ATOM	1079	H1	G B	16	-2.330	-70.281	91.337	1.00	0.00	H
ATOM	1080	H8	G B	16	-0.902	-66.285	96.202	1.00	0.00	H
ATOM	1081	H1'	G B	16	-4.606	-67.510	96.005	1.00	0.00	H
ATOM	1082	H21	G B	16	-4.482	-70.701	91.308	1.00	0.00	H
ATOM	1083	H3'	G B	16	-3.849	-64.994	98.932	1.00	0.00	H
ATOM	1084	H22	G B	16	-5.615	-69.995	92.494	1.00	0.00	H
ATOM	1085	H4'	G B	16	-5.127	-63.998	96.837	1.00	0.00	H
ATOM	1086	H2'1	G B	16	-2.379	-66.531	97.816	1.00	0.00	H
ATOM	1087	H2'2	G B	16	-3.724	-67.594	98.206	1.00	0.00	H
ATOM	1088	H5'1	G B	16	-2.884	-63.408	95.675	1.00	0.00	H
ATOM	1089	H5'2	G B	16	-3.251	-62.764	97.290	1.00	0.00	H
ATOM	1090	C1'	G B	17	-6.152	-71.164	96.294	1.00	0.00	C
ATOM	1091	N1	G B	17	-2.163	-72.781	93.556	1.00	0.00	N
ATOM	1092	C2	G B	17	-3.513	-73.048	93.403	1.00	0.00	C
ATOM	1093	N2	G B	17	-3.842	-73.854	92.387	1.00	0.00	N
ATOM	1094	N3	G B	17	-4.455	-72.550	94.199	1.00	0.00	N
ATOM	1095	C4	G B	17	-3.941	-71.762	95.178	1.00	0.00	C
ATOM	1096	C5	G B	17	-2.614	-71.443	95.410	1.00	0.00	C
ATOM	1097	C6	G B	17	-1.613	-71.968	94.564	1.00	0.00	C
ATOM	1098	O6	G B	17	-0.393	-71.802	94.607	1.00	0.00	O
ATOM	1099	N7	G B	17	-2.505	-70.601	96.520	1.00	0.00	N
ATOM	1100	C8	G B	17	-3.742	-70.438	96.914	1.00	0.00	C
ATOM	1101	N9	G B	17	-4.671	-71.112	96.150	1.00	0.00	N
ATOM	1102	C2'	G B	17	-6.627	-71.197	97.740	1.00	0.00	C
ATOM	1103	C3'	G B	17	-7.904	-70.374	97.674	1.00	0.00	C
ATOM	1104	O3'	G B	17	-8.981	-71.215	97.270	1.00	0.00	O

ATOM	1105	C4'	G B	17	-7.573	-69.316	96.625	1.00	0.00	C
ATOM	1106	O4'	G B	17	-6.686	-70.004	95.686	1.00	0.00	O
ATOM	1107	C5'	G B	17	-6.876	-68.072	97.123	1.00	0.00	C
ATOM	1108	O5'	G B	17	-5.947	-68.420	98.179	1.00	0.00	O
ATOM	1109	O1P	G B	17	-6.932	-67.304	100.210	1.00	0.00	O
ATOM	1110	O2P	G B	17	-4.460	-67.720	100.082	1.00	0.00	O
ATOM	1111	P	G B	17	-5.720	-67.385	99.374	1.00	0.00	P
ATOM	1112	H1	G B	17	-1.513	-73.213	92.880	1.00	0.00	H
ATOM	1113	H8	G B	17	-4.014	-69.823	97.772	1.00	0.00	H
ATOM	1114	H1'	G B	17	-6.518	-72.030	95.743	1.00	0.00	H
ATOM	1115	H21	G B	17	-3.108	-74.234	91.771	1.00	0.00	H
ATOM	1116	H3'	G B	17	-8.145	-69.915	98.633	1.00	0.00	H
ATOM	1117	H22	G B	17	-4.830	-74.093	92.220	1.00	0.00	H
ATOM	1118	H4'	G B	17	-8.516	-69.011	96.174	1.00	0.00	H
ATOM	1119	H2'1	G B	17	-5.903	-70.751	98.423	1.00	0.00	H
ATOM	1120	H2'2	G B	17	-6.824	-72.210	98.089	1.00	0.00	H
ATOM	1121	H5'1	G B	17	-6.337	-67.607	96.297	1.00	0.00	H
ATOM	1122	H5'2	G B	17	-7.621	-67.372	97.503	1.00	0.00	H
ATOM	1123	C1'	C B	18	-6.688	-75.974	95.238	1.00	0.00	C
ATOM	1124	N1	C B	18	-5.431	-75.468	95.855	1.00	0.00	N
ATOM	1125	C2	C B	18	-4.224	-75.809	95.247	1.00	0.00	C
ATOM	1126	O2	C B	18	-4.246	-76.510	94.227	1.00	0.00	O
ATOM	1127	N3	C B	18	-3.069	-75.360	95.794	1.00	0.00	N
ATOM	1128	C4	C B	18	-3.079	-74.603	96.898	1.00	0.00	C
ATOM	1129	N4	C B	18	-1.918	-74.190	97.388	1.00	0.00	N
ATOM	1130	C5	C B	18	-4.304	-74.240	97.545	1.00	0.00	C
ATOM	1131	C6	C B	18	-5.454	-74.701	96.976	1.00	0.00	C
ATOM	1132	C2'	C B	18	-7.749	-76.381	96.252	1.00	0.00	C
ATOM	1133	C3'	C B	18	-9.033	-75.966	95.550	1.00	0.00	C
ATOM	1134	O3'	C B	18	-9.438	-77.006	94.663	1.00	0.00	O
ATOM	1135	C4'	C B	18	-8.620	-74.700	94.806	1.00	0.00	C
ATOM	1136	O4'	C B	18	-7.223	-74.933	94.440	1.00	0.00	O
ATOM	1137	C5'	C B	18	-8.706	-73.406	95.581	1.00	0.00	C
ATOM	1138	O5'	C B	18	-8.333	-73.639	96.964	1.00	0.00	O
ATOM	1139	O1P	C B	18	-10.470	-73.208	98.223	1.00	0.00	O
ATOM	1140	O2P	C B	18	-8.256	-72.861	99.352	1.00	0.00	O
ATOM	1141	P	C B	18	-9.058	-72.794	98.106	1.00	0.00	P
ATOM	1142	H5	C B	18	-4.316	-73.627	98.446	1.00	0.00	H
ATOM	1143	H6	C B	18	-6.411	-74.448	97.431	1.00	0.00	H
ATOM	1144	H1'	C B	18	-6.435	-76.805	94.581	1.00	0.00	H
ATOM	1145	H3'	C B	18	-9.836	-75.763	96.258	1.00	0.00	H
ATOM	1146	H4'	C B	18	-9.277	-74.611	93.940	1.00	0.00	H
ATOM	1147	H41	C B	18	-1.898	-73.604	98.236	1.00	0.00	H
ATOM	1148	H42	C B	18	-1.039	-74.452	96.920	1.00	0.00	H
ATOM	1149	H2'1	C B	18	-7.632	-75.864	97.204	1.00	0.00	H
ATOM	1150	H2'2	C B	18	-7.735	-77.451	96.456	1.00	0.00	H
ATOM	1151	H5'1	C B	18	-8.030	-72.675	95.137	1.00	0.00	H
ATOM	1152	H5'2	C B	18	-9.725	-73.027	95.534	1.00	0.00	H
ATOM	1153	C1'	C B	19	-5.009	-80.489	94.091	1.00	0.00	C
ATOM	1154	N1	C B	19	-4.450	-79.746	95.254	1.00	0.00	N
ATOM	1155	C2	C B	19	-3.065	-79.614	95.339	1.00	0.00	C
ATOM	1156	O2	C B	19	-2.361	-80.113	94.453	1.00	0.00	O
ATOM	1157	N3	C B	19	-2.537	-78.940	96.391	1.00	0.00	N
ATOM	1158	C4	C B	19	-3.327	-78.411	97.335	1.00	0.00	C

ATOM	1159	N4	C B	19	-2.758	-77.763	98.339	1.00	0.00	N
ATOM	1160	C5	C B	19	-4.752	-78.534	97.272	1.00	0.00	C
ATOM	1161	C6	C B	19	-5.261	-79.214	96.205	1.00	0.00	C
ATOM	1162	C2'	C B	19	-6.216	-81.348	94.435	1.00	0.00	C
ATOM	1163	C3'	C B	19	-7.065	-81.220	93.179	1.00	0.00	C
ATOM	1164	O3'	C B	19	-6.622	-82.173	92.216	1.00	0.00	O
ATOM	1165	C4'	C B	19	-6.798	-79.784	92.734	1.00	0.00	C
ATOM	1166	O4'	C B	19	-5.410	-79.535	93.126	1.00	0.00	O
ATOM	1167	C5'	C B	19	-7.671	-78.716	93.353	1.00	0.00	C
ATOM	1168	O5'	C B	19	-7.950	-79.051	94.736	1.00	0.00	O
ATOM	1169	O1P	C B	19	-10.430	-79.478	94.742	1.00	0.00	O
ATOM	1170	O2P	C B	19	-9.288	-78.687	96.830	1.00	0.00	O
ATOM	1171	P	C B	19	-9.366	-78.655	95.350	1.00	0.00	P
ATOM	1172	H5	C B	19	-5.398	-78.107	98.037	1.00	0.00	H
ATOM	1173	H6	C B	19	-6.340	-79.331	96.113	1.00	0.00	H
ATOM	1174	H1'	C B	19	-4.210	-81.092	93.657	1.00	0.00	H
ATOM	1175	H3'	C B	19	-8.123	-81.378	93.384	1.00	0.00	H
ATOM	1176	H4'	C B	19	-6.948	-79.752	91.655	1.00	0.00	H
ATOM	1177	H41	C B	19	-3.341	-77.344	99.079	1.00	0.00	H
ATOM	1178	H42	C B	19	-1.731	-77.677	98.382	1.00	0.00	H
ATOM	1179	H2'1	C B	19	-6.749	-80.982	95.312	1.00	0.00	H
ATOM	1180	H2'2	C B	19	-5.944	-82.387	94.626	1.00	0.00	H
ATOM	1181	H5'1	C B	19	-7.155	-77.758	93.302	1.00	0.00	H
ATOM	1182	H5'2	C B	19	-8.603	-78.650	92.794	1.00	0.00	H
ATOM	1183	C1'	T B	20	-1.597	-84.074	93.966	1.00	0.00	C
ATOM	1184	N1	T B	20	-1.926	-83.398	95.249	1.00	0.00	N
ATOM	1185	C2	T B	20	-0.871	-82.901	95.987	1.00	0.00	C
ATOM	1186	O2	T B	20	0.290	-82.996	95.626	1.00	0.00	O
ATOM	1187	N3	T B	20	-1.221	-82.281	97.171	1.00	0.00	N
ATOM	1188	C4	T B	20	-2.496	-82.120	97.668	1.00	0.00	C
ATOM	1189	O4	T B	20	-2.686	-81.545	98.748	1.00	0.00	O
ATOM	1190	C5	T B	20	-3.531	-82.671	96.829	1.00	0.00	C
ATOM	1191	C6	T B	20	-3.228	-83.282	95.667	1.00	0.00	C
ATOM	1192	C7	T B	20	-4.936	-82.518	97.331	1.00	0.00	C
ATOM	1193	C2'	T B	20	-2.471	-85.287	93.670	1.00	0.00	C
ATOM	1194	C3'	T B	20	-2.621	-85.208	92.158	1.00	0.00	C
ATOM	1195	O3'	T B	20	-1.496	-85.831	91.543	1.00	0.00	O
ATOM	1196	C4'	T B	20	-2.664	-83.704	91.898	1.00	0.00	C
ATOM	1197	O4'	T B	20	-1.786	-83.136	92.923	1.00	0.00	O
ATOM	1198	C5'	T B	20	-4.018	-83.042	92.000	1.00	0.00	C
ATOM	1199	O5'	T B	20	-4.785	-83.658	93.066	1.00	0.00	O
ATOM	1200	O1P	T B	20	-6.685	-84.770	91.848	1.00	0.00	O
ATOM	1201	O2P	T B	20	-6.982	-84.027	94.226	1.00	0.00	O
ATOM	1202	P	T B	20	-6.365	-83.785	92.899	1.00	0.00	P
ATOM	1203	H3	T B	20	-0.452	-81.900	97.740	1.00	0.00	H
ATOM	1204	H6	T B	20	-4.027	-83.690	95.049	1.00	0.00	H
ATOM	1205	H1'	T B	20	-0.542	-84.348	93.983	1.00	0.00	H
ATOM	1206	H3'	T B	20	-3.534	-85.693	91.814	1.00	0.00	H
ATOM	1207	H4'	T B	20	-2.293	-83.548	90.884	1.00	0.00	H
ATOM	1208	H3T	T B	20	-1.312	-86.725	91.839	1.00	0.00	H
ATOM	1209	H71	T B	20	-5.351	-83.499	97.558	1.00	0.00	H
ATOM	1210	H72	T B	20	-4.934	-81.905	98.234	1.00	0.00	H
ATOM	1211	H73	T B	20	-5.546	-82.033	96.568	1.00	0.00	H
ATOM	1212	H2'1	T B	20	-3.437	-85.230	94.167	1.00	0.00	H

ATOM	1213	H2'2	T B	20	-1.998	-86.220	93.974	1.00	0.00	H
ATOM	1214	H5'1	T B	20	-3.883	-81.981	92.208	1.00	0.00	H
ATOM	1215	H5'2	T B	20	-4.544	-83.159	91.054	1.00	0.00	H
TER										
ATOM	1	C1'	A A	1	65.948	-22.334	82.224	1.00	0.00	C
ATOM	2	N1	A A	1	65.413	-20.561	87.010	1.00	0.00	N
ATOM	3	C2	A A	1	65.453	-21.791	86.507	1.00	0.00	C
ATOM	4	N3	A A	1	65.597	-22.179	85.257	1.00	0.00	N
ATOM	5	C4	A A	1	65.706	-21.112	84.447	1.00	0.00	C
ATOM	6	C5	A A	1	65.683	-19.792	84.803	1.00	0.00	C
ATOM	7	C6	A A	1	65.526	-19.515	86.177	1.00	0.00	C
ATOM	8	N6	A A	1	65.485	-18.267	86.674	1.00	0.00	N
ATOM	9	N7	A A	1	65.824	-18.974	83.696	1.00	0.00	N
ATOM	10	C8	A A	1	65.926	-19.808	82.703	1.00	0.00	C
ATOM	11	N9	A A	1	65.864	-21.123	83.083	1.00	0.00	N
ATOM	12	C2'	A A	1	65.253	-22.181	80.878	1.00	0.00	C
ATOM	13	C3'	A A	1	66.160	-22.985	79.960	1.00	0.00	C
ATOM	14	O3'	A A	1	65.794	-24.361	80.027	1.00	0.00	O
ATOM	15	C4'	A A	1	67.549	-22.727	80.542	1.00	0.00	C
ATOM	16	O4'	A A	1	67.317	-22.597	81.982	1.00	0.00	O
ATOM	17	C5'	A A	1	68.262	-21.489	80.054	1.00	0.00	C
ATOM	18	O5'	A A	1	67.305	-20.418	79.852	1.00	0.00	O
ATOM	19	H2	A A	1	65.352	-22.596	87.235	1.00	0.00	H
ATOM	20	H8	A A	1	66.049	-19.491	81.667	1.00	0.00	H
ATOM	21	H1'	A A	1	65.539	-23.177	82.782	1.00	0.00	H
ATOM	22	H3'	A A	1	66.099	-22.645	78.925	1.00	0.00	H
ATOM	23	H4'	A A	1	68.164	-23.589	80.286	1.00	0.00	H
ATOM	24	H61	A A	1	65.370	-18.120	87.685	1.00	0.00	H
ATOM	25	H62	A A	1	65.571	-17.460	86.040	1.00	0.00	H
ATOM	26	H5T	A A	1	67.454	-19.794	79.139	1.00	0.00	H
ATOM	27	H2'1	A A	1	65.189	-21.141	80.561	1.00	0.00	H
ATOM	28	H2'2	A A	1	64.240	-22.585	80.887	1.00	0.00	H
ATOM	29	H5'1	A A	1	69.002	-21.186	80.795	1.00	0.00	H
ATOM	30	H5'2	A A	1	68.766	-21.713	79.115	1.00	0.00	H
ATOM	31	C1'	G A	2	62.452	-24.911	84.629	1.00	0.00	C
ATOM	32	N1	G A	2	62.018	-20.666	87.421	1.00	0.00	N
ATOM	33	C2	G A	2	62.027	-21.989	87.817	1.00	0.00	C
ATOM	34	N2	G A	2	61.902	-22.213	89.130	1.00	0.00	N
ATOM	35	N3	G A	2	62.151	-23.010	86.971	1.00	0.00	N
ATOM	36	C4	G A	2	62.261	-22.599	85.680	1.00	0.00	C
ATOM	37	C5	G A	2	62.259	-21.302	85.192	1.00	0.00	C
ATOM	38	C6	G A	2	62.132	-20.219	86.093	1.00	0.00	C
ATOM	39	O6	G A	2	62.111	-19.011	85.855	1.00	0.00	O
ATOM	40	N7	G A	2	62.393	-21.309	83.802	1.00	0.00	N
ATOM	41	C8	G A	2	62.473	-22.579	83.498	1.00	0.00	C
ATOM	42	N9	G A	2	62.399	-23.426	84.586	1.00	0.00	N
ATOM	43	C2'	G A	2	61.737	-25.586	83.466	1.00	0.00	C
ATOM	44	C3'	G A	2	62.618	-26.798	83.210	1.00	0.00	C
ATOM	45	O3'	G A	2	62.234	-27.849	84.094	1.00	0.00	O
ATOM	46	C4'	G A	2	64.019	-26.270	83.515	1.00	0.00	C
ATOM	47	O4'	G A	2	63.813	-25.297	84.587	1.00	0.00	O
ATOM	48	C5'	G A	2	64.741	-25.589	82.376	1.00	0.00	C
ATOM	49	O5'	G A	2	63.796	-24.836	81.576	1.00	0.00	O
ATOM	50	O1P	G A	2	63.817	-26.038	79.365	1.00	0.00	O

ATOM	51	O2P	G A	2	63.243	-23.598	79.461	1.00	0.00	O
ATOM	52	P	G A	2	64.038	-24.726	80.003	1.00	0.00	P
ATOM	53	H1	G A	2	61.920	-19.951	88.157	1.00	0.00	H
ATOM	54	H8	G A	2	62.587	-22.938	82.476	1.00	0.00	H
ATOM	55	H1'	G A	2	62.039	-25.240	85.583	1.00	0.00	H
ATOM	56	H21	G A	2	61.808	-21.419	89.780	1.00	0.00	H
ATOM	57	H3'	G A	2	62.544	-27.147	82.180	1.00	0.00	H
ATOM	58	H22	G A	2	61.900	-23.178	89.489	1.00	0.00	H
ATOM	59	H4'	G A	2	64.618	-27.125	83.825	1.00	0.00	H
ATOM	60	H2'1	G A	2	61.683	-24.943	82.586	1.00	0.00	H
ATOM	61	H2'2	G A	2	60.719	-25.880	83.720	1.00	0.00	H
ATOM	62	H5'1	G A	2	65.497	-24.918	82.782	1.00	0.00	H
ATOM	63	H5'2	G A	2	65.228	-26.345	81.759	1.00	0.00	H
ATOM	64	C1'	G A	3	58.959	-25.530	88.085	1.00	0.00	C
ATOM	65	N1	G A	3	58.627	-20.445	87.851	1.00	0.00	N
ATOM	66	C2	G A	3	58.624	-21.284	88.949	1.00	0.00	C
ATOM	67	N2	G A	3	58.514	-20.691	90.145	1.00	0.00	N
ATOM	68	N3	G A	3	58.721	-22.609	88.863	1.00	0.00	N
ATOM	69	C4	G A	3	58.816	-23.038	87.577	1.00	0.00	C
ATOM	70	C5	G A	3	58.826	-22.275	86.421	1.00	0.00	C
ATOM	71	C6	G A	3	58.727	-20.867	86.513	1.00	0.00	C
ATOM	72	O6	G A	3	58.719	-20.028	85.611	1.00	0.00	O
ATOM	73	N7	G A	3	58.938	-23.099	85.300	1.00	0.00	N
ATOM	74	C8	G A	3	58.996	-24.306	85.799	1.00	0.00	C
ATOM	75	N9	G A	3	58.926	-24.351	87.176	1.00	0.00	N
ATOM	76	C2'	G A	3	58.217	-26.743	87.542	1.00	0.00	C
ATOM	77	C3'	G A	3	59.076	-27.891	88.044	1.00	0.00	C
ATOM	78	O3'	G A	3	58.692	-28.215	89.378	1.00	0.00	O
ATOM	79	C4'	G A	3	60.489	-27.315	87.975	1.00	0.00	C
ATOM	80	O4'	G A	3	60.313	-25.893	88.272	1.00	0.00	O
ATOM	81	C5'	G A	3	61.203	-27.447	86.651	1.00	0.00	C
ATOM	82	O5'	G A	3	60.257	-27.289	85.565	1.00	0.00	O
ATOM	83	O1P	G A	3	60.228	-29.561	84.481	1.00	0.00	O
ATOM	84	O2P	G A	3	59.690	-27.518	83.128	1.00	0.00	O
ATOM	85	P	G A	3	60.477	-28.129	84.226	1.00	0.00	P
ATOM	86	H1	G A	3	58.552	-19.431	88.028	1.00	0.00	H
ATOM	87	H8	G A	3	59.089	-25.199	85.183	1.00	0.00	H
ATOM	88	H1'	G A	3	58.556	-25.226	89.052	1.00	0.00	H
ATOM	89	H21	G A	3	58.442	-19.665	90.205	1.00	0.00	H
ATOM	90	H3'	G A	3	58.982	-28.778	87.416	1.00	0.00	H
ATOM	91	H22	G A	3	58.503	-21.261	91.002	1.00	0.00	H
ATOM	92	H4'	G A	3	61.081	-27.836	88.727	1.00	0.00	H
ATOM	93	H2'1	G A	3	58.158	-26.739	86.453	1.00	0.00	H
ATOM	94	H2'2	G A	3	57.198	-26.811	87.925	1.00	0.00	H
ATOM	95	H5'1	G A	3	61.975	-26.681	86.583	1.00	0.00	H
ATOM	96	H5'2	G A	3	61.670	-28.431	86.593	1.00	0.00	H
ATOM	97	C1'	C A	4	55.510	-23.928	91.259	1.00	0.00	C
ATOM	98	N1	C A	4	55.481	-23.501	89.832	1.00	0.00	N
ATOM	99	C2	C A	4	55.393	-22.137	89.562	1.00	0.00	C
ATOM	100	O2	C A	4	55.342	-21.343	90.509	1.00	0.00	O
ATOM	101	N3	C A	4	55.365	-21.730	88.270	1.00	0.00	N
ATOM	102	C4	C A	4	55.420	-22.614	87.267	1.00	0.00	C
ATOM	103	N4	C A	4	55.393	-22.159	86.023	1.00	0.00	N
ATOM	104	C5	C A	4	55.509	-24.022	87.517	1.00	0.00	C

ATOM	105	C6	C A	4	55.538	-24.411	88.824	1.00	0.00	C
ATOM	106	C2'	C A	4	54.740	-25.212	91.531	1.00	0.00	C
ATOM	107	C3'	C A	4	55.591	-25.871	92.607	1.00	0.00	C
ATOM	108	O3'	C A	4	55.224	-25.345	93.881	1.00	0.00	O
ATOM	109	C4'	C A	4	57.010	-25.476	92.206	1.00	0.00	C
ATOM	110	O4'	C A	4	56.863	-24.146	91.615	1.00	0.00	O
ATOM	111	C5'	C A	4	57.699	-26.374	91.205	1.00	0.00	C
ATOM	112	O5'	C A	4	56.735	-26.859	90.236	1.00	0.00	O
ATOM	113	O1P	C A	4	56.650	-29.333	90.685	1.00	0.00	O
ATOM	114	O2P	C A	4	56.120	-28.455	88.395	1.00	0.00	O
ATOM	115	P	C A	4	56.917	-28.327	89.639	1.00	0.00	P
ATOM	116	H5	C A	4	55.549	-24.746	86.703	1.00	0.00	H
ATOM	117	H6	C A	4	55.610	-25.472	89.064	1.00	0.00	H
ATOM	118	H1'	C A	4	55.130	-23.108	91.867	1.00	0.00	H
ATOM	119	H3'	C A	4	55.470	-26.954	92.615	1.00	0.00	H
ATOM	120	H4'	C A	4	57.607	-25.475	93.117	1.00	0.00	H
ATOM	121	H41	C A	4	55.436	-22.818	85.232	1.00	0.00	H
ATOM	122	H42	C A	4	55.328	-21.146	85.845	1.00	0.00	H
ATOM	123	H2'1	C A	4	54.661	-25.844	90.647	1.00	0.00	H
ATOM	124	H2'2	C A	4	53.727	-25.019	91.888	1.00	0.00	H
ATOM	125	H5'1	C A	4	58.481	-25.811	90.696	1.00	0.00	H
ATOM	126	H5'2	C A	4	58.148	-27.217	91.731	1.00	0.00	H
ATOM	127	C1'	C A	5	52.133	-20.699	92.900	1.00	0.00	C
ATOM	128	N1	C A	5	52.088	-21.191	91.496	1.00	0.00	N
ATOM	129	C2	C A	5	52.015	-20.245	90.475	1.00	0.00	C
ATOM	130	O2	C A	5	51.990	-19.043	90.774	1.00	0.00	O
ATOM	131	N3	C A	5	51.974	-20.672	89.189	1.00	0.00	N
ATOM	132	C4	C A	5	52.001	-21.978	88.897	1.00	0.00	C
ATOM	133	N4	C A	5	51.961	-22.340	87.624	1.00	0.00	N
ATOM	134	C5	C A	5	52.074	-22.973	89.926	1.00	0.00	C
ATOM	135	C6	C A	5	52.117	-22.519	91.212	1.00	0.00	C
ATOM	136	C2'	C A	5	51.349	-21.563	93.878	1.00	0.00	C
ATOM	137	C3'	C A	5	52.207	-21.480	95.131	1.00	0.00	C
ATOM	138	O3'	C A	5	51.867	-20.299	95.854	1.00	0.00	O
ATOM	139	C4'	C A	5	53.625	-21.426	94.569	1.00	0.00	C
ATOM	140	O4'	C A	5	53.488	-20.693	93.311	1.00	0.00	O
ATOM	141	C5'	C A	5	54.286	-22.754	94.285	1.00	0.00	C
ATOM	142	O5'	C A	5	53.301	-23.696	93.788	1.00	0.00	O
ATOM	143	O1P	C A	5	53.188	-25.433	95.606	1.00	0.00	O
ATOM	144	O2P	C A	5	52.636	-26.056	93.239	1.00	0.00	O
ATOM	145	P	C A	5	53.453	-25.237	94.168	1.00	0.00	P
ATOM	146	H5	C A	5	52.091	-24.038	89.694	1.00	0.00	H
ATOM	147	H6	C A	5	52.178	-23.238	92.030	1.00	0.00	H
ATOM	148	H1'	C A	5	51.774	-19.670	92.911	1.00	0.00	H
ATOM	149	H3'	C A	5	52.071	-22.349	95.776	1.00	0.00	H
ATOM	150	H4'	C A	5	54.236	-20.902	95.304	1.00	0.00	H
ATOM	151	H41	C A	5	51.982	-23.338	87.371	1.00	0.00	H
ATOM	152	H42	C A	5	51.908	-21.623	86.886	1.00	0.00	H
ATOM	153	H2'1	C A	5	51.248	-22.591	93.533	1.00	0.00	H
ATOM	154	H2'2	C A	5	50.344	-21.176	94.057	1.00	0.00	H
ATOM	155	H5'1	C A	5	55.069	-22.612	93.538	1.00	0.00	H
ATOM	156	H5'2	C A	5	54.731	-23.136	95.203	1.00	0.00	H
ATOM	157	C1'	G A	6	48.827	-17.054	92.343	1.00	0.00	C
ATOM	158	N1	G A	6	48.517	-18.829	87.570	1.00	0.00	N

ATOM	159	C2	G A	6	48.566	-17.525	88.031	1.00	0.00	C
ATOM	160	N2	G A	6	48.524	-16.568	87.097	1.00	0.00	N
ATOM	161	N3	G A	6	48.650	-17.204	89.321	1.00	0.00	N
ATOM	162	C4	G A	6	48.673	-18.299	90.125	1.00	0.00	C
ATOM	163	C5	G A	6	48.625	-19.632	89.756	1.00	0.00	C
ATOM	164	C6	G A	6	48.541	-19.975	88.388	1.00	0.00	C
ATOM	165	O6	G A	6	48.488	-21.090	87.868	1.00	0.00	O
ATOM	166	N7	G A	6	48.672	-20.449	90.887	1.00	0.00	N
ATOM	167	C8	G A	6	48.749	-19.605	91.883	1.00	0.00	C
ATOM	168	N9	G A	6	48.754	-18.279	91.501	1.00	0.00	N
ATOM	169	C2'	G A	6	48.050	-17.158	93.647	1.00	0.00	C
ATOM	170	C3'	G A	6	48.927	-16.368	94.605	1.00	0.00	C
ATOM	171	O3'	G A	6	48.613	-14.982	94.493	1.00	0.00	O
ATOM	172	C4'	G A	6	50.338	-16.683	94.110	1.00	0.00	C
ATOM	173	O4'	G A	6	50.187	-16.831	92.662	1.00	0.00	O
ATOM	174	C5'	G A	6	50.979	-17.934	94.660	1.00	0.00	C
ATOM	175	O5'	G A	6	49.977	-18.969	94.822	1.00	0.00	O
ATOM	176	O1P	G A	6	49.874	-19.295	97.315	1.00	0.00	O
ATOM	177	O2P	G A	6	49.277	-21.185	95.778	1.00	0.00	O
ATOM	178	P	G A	6	50.118	-19.991	96.038	1.00	0.00	P
ATOM	179	H1	G A	6	48.460	-18.971	86.549	1.00	0.00	H
ATOM	180	H8	G A	6	48.803	-19.919	92.926	1.00	0.00	H
ATOM	181	H1'	G A	6	48.479	-16.209	91.747	1.00	0.00	H
ATOM	182	H21	G A	6	48.463	-16.823	86.101	1.00	0.00	H
ATOM	183	H3'	G A	6	48.793	-16.686	95.639	1.00	0.00	H
ATOM	184	H22	G A	6	48.554	-15.576	87.375	1.00	0.00	H
ATOM	185	H4'	G A	6	50.966	-15.837	94.387	1.00	0.00	H
ATOM	186	H2'1	G A	6	47.932	-18.191	93.977	1.00	0.00	H
ATOM	187	H2'2	G A	6	47.052	-16.724	93.571	1.00	0.00	H
ATOM	188	H5'1	G A	6	51.751	-18.274	93.971	1.00	0.00	H
ATOM	189	H5'2	G A	6	51.436	-17.709	95.624	1.00	0.00	H
ATOM	190	C1'	C A	7	45.565	-14.363	89.764	1.00	0.00	C
ATOM	191	N1	C A	7	45.461	-15.848	89.797	1.00	0.00	N
ATOM	192	C2	C A	7	45.368	-16.522	88.581	1.00	0.00	C
ATOM	193	O2	C A	7	45.373	-15.866	87.532	1.00	0.00	O
ATOM	194	N3	C A	7	45.273	-17.874	88.589	1.00	0.00	N
ATOM	195	C4	C A	7	45.269	-18.557	89.741	1.00	0.00	C
ATOM	196	N4	C A	7	45.177	-19.878	89.690	1.00	0.00	N
ATOM	197	C5	C A	7	45.359	-17.890	91.007	1.00	0.00	C
ATOM	198	C6	C A	7	45.459	-16.528	90.975	1.00	0.00	C
ATOM	199	C2'	C A	7	44.802	-13.670	90.885	1.00	0.00	C
ATOM	200	C3'	C A	7	45.705	-12.487	91.198	1.00	0.00	C
ATOM	201	O3'	C A	7	45.411	-11.421	90.298	1.00	0.00	O
ATOM	202	C4'	C A	7	47.103	-13.060	90.979	1.00	0.00	C
ATOM	203	O4'	C A	7	46.933	-14.024	89.892	1.00	0.00	O
ATOM	204	C5'	C A	7	47.732	-13.768	92.158	1.00	0.00	C
ATOM	205	O5'	C A	7	46.714	-14.490	92.895	1.00	0.00	O
ATOM	206	O1P	C A	7	46.637	-13.296	95.109	1.00	0.00	O
ATOM	207	O2P	C A	7	45.991	-15.716	94.965	1.00	0.00	O
ATOM	208	P	C A	7	46.854	-14.613	94.478	1.00	0.00	P
ATOM	209	H5	C A	7	45.350	-18.441	91.948	1.00	0.00	H
ATOM	210	H6	C A	7	45.538	-15.976	91.912	1.00	0.00	H
ATOM	211	H1'	C A	7	45.224	-14.019	88.788	1.00	0.00	H
ATOM	212	H3'	C A	7	45.578	-12.138	92.224	1.00	0.00	H



ATOM	213	H4'	C A	7	47.749	-12.223	90.710	1.00	0.00	H
ATOM	214	H41	C A	7	45.174	-20.428	90.561	1.00	0.00	H
ATOM	215	H42	C A	7	45.109	-20.356	88.781	1.00	0.00	H
ATOM	216	H2'1	C A	7	44.672	-14.311	91.756	1.00	0.00	H
ATOM	217	H2'2	C A	7	43.811	-13.341	90.569	1.00	0.00	H
ATOM	218	H5'1	C A	7	48.489	-14.464	91.795	1.00	0.00	H
ATOM	219	H5'2	C A	7	48.203	-13.031	92.808	1.00	0.00	H
ATOM	220	C1'	A A	8	42.304	-13.611	86.117	1.00	0.00	C
ATOM	221	N1	A A	8	41.790	-18.715	86.299	1.00	0.00	N
ATOM	222	C2	A A	8	41.879	-17.857	85.288	1.00	0.00	C
ATOM	223	N3	A A	8	42.014	-16.547	85.310	1.00	0.00	N
ATOM	224	C4	A A	8	42.052	-16.106	86.581	1.00	0.00	C
ATOM	225	C5	A A	8	41.973	-16.852	87.724	1.00	0.00	C
ATOM	226	C6	A A	8	41.833	-18.245	87.555	1.00	0.00	C
ATOM	227	N6	A A	8	41.742	-19.103	88.585	1.00	0.00	N
ATOM	228	N7	A A	8	42.049	-16.051	88.850	1.00	0.00	N
ATOM	229	C8	A A	8	42.168	-14.848	88.369	1.00	0.00	C
ATOM	230	N9	A A	8	42.179	-14.804	86.999	1.00	0.00	N
ATOM	231	C2'	A A	8	41.571	-12.382	86.639	1.00	0.00	C
ATOM	232	C3'	A A	8	42.496	-11.256	86.208	1.00	0.00	C
ATOM	233	O3'	A A	8	42.200	-10.898	84.860	1.00	0.00	O
ATOM	234	C4'	A A	8	43.883	-11.880	86.348	1.00	0.00	C
ATOM	235	O4'	A A	8	43.678	-13.292	86.016	1.00	0.00	O
ATOM	236	C5'	A A	8	44.523	-11.792	87.713	1.00	0.00	C
ATOM	237	O5'	A A	8	43.510	-11.939	88.740	1.00	0.00	O
ATOM	238	O1P	A A	8	43.491	-9.684	89.862	1.00	0.00	O
ATOM	239	O2P	A A	8	42.809	-11.731	91.144	1.00	0.00	O
ATOM	240	P	A A	8	43.679	-11.128	90.104	1.00	0.00	P
ATOM	241	H2	A A	8	41.835	-18.301	84.295	1.00	0.00	H
ATOM	242	H8	A A	8	42.250	-13.959	88.995	1.00	0.00	H
ATOM	243	H1'	A A	8	41.949	-13.885	85.123	1.00	0.00	H
ATOM	244	H3'	A A	8	42.395	-10.377	86.844	1.00	0.00	H
ATOM	245	H4'	A A	8	44.534	-11.367	85.641	1.00	0.00	H
ATOM	246	H61	A A	8	41.644	-20.112	88.408	1.00	0.00	H
ATOM	247	H62	A A	8	41.772	-18.749	89.553	1.00	0.00	H
ATOM	248	H2'1	A A	8	41.449	-12.403	87.721	1.00	0.00	H
ATOM	249	H2'2	A A	8	40.580	-12.274	86.198	1.00	0.00	H
ATOM	250	H5'1	A A	8	45.264	-12.587	87.811	1.00	0.00	H
ATOM	251	H5'2	A A	8	45.016	-10.827	87.817	1.00	0.00	H
ATOM	252	C1'	C A	9	38.994	-15.127	82.739	1.00	0.00	C
ATOM	253	N1	C A	9	38.867	-15.551	84.160	1.00	0.00	N
ATOM	254	C2	C A	9	38.719	-16.910	84.425	1.00	0.00	C
ATOM	255	O2	C A	9	38.698	-17.704	83.475	1.00	0.00	O
ATOM	256	N3	C A	9	38.603	-17.317	85.712	1.00	0.00	N
ATOM	257	C4	C A	9	38.628	-16.434	86.719	1.00	0.00	C
ATOM	258	N4	C A	9	38.513	-16.887	87.958	1.00	0.00	N
ATOM	259	C5	C A	9	38.775	-15.028	86.476	1.00	0.00	C
ATOM	260	C6	C A	9	38.896	-14.641	85.172	1.00	0.00	C
ATOM	261	C2'	C A	9	38.283	-13.818	82.423	1.00	0.00	C
ATOM	262	C3'	C A	9	39.217	-13.188	81.400	1.00	0.00	C
ATOM	263	O3'	C A	9	38.908	-13.704	80.106	1.00	0.00	O
ATOM	264	C4'	C A	9	40.597	-13.629	81.883	1.00	0.00	C
ATOM	265	O4'	C A	9	40.372	-14.954	82.462	1.00	0.00	O
ATOM	266	C5'	C A	9	41.255	-12.753	82.923	1.00	0.00	C

ATOM	267	O5'	C	A	9	40.252	-12.236	83.834	1.00	0.00	O
ATOM	268	O1P	C	A	9	40.275	-9.761	83.384	1.00	0.00	O
ATOM	269	O2P	C	A	9	39.583	-10.619	85.638	1.00	0.00	O
ATOM	270	P	C	A	9	40.447	-10.775	84.442	1.00	0.00	P
ATOM	271	H5	C	A	9	38.790	-14.304	87.292	1.00	0.00	H
ATOM	272	H6	C	A	9	39.018	-13.584	84.937	1.00	0.00	H
ATOM	273	H1'	C	A	9	38.624	-15.934	82.108	1.00	0.00	H
ATOM	274	H3'	C	A	9	39.132	-12.102	81.385	1.00	0.00	H
ATOM	275	H4'	C	A	9	41.246	-13.651	81.008	1.00	0.00	H
ATOM	276	H41	C	A	9	38.532	-16.228	88.751	1.00	0.00	H
ATOM	277	H42	C	A	9	38.405	-17.897	88.130	1.00	0.00	H
ATOM	278	H2'1	C	A	9	38.174	-13.183	83.302	1.00	0.00	H
ATOM	279	H2'2	C	A	9	37.287	-13.978	82.008	1.00	0.00	H
ATOM	280	H5'1	C	A	9	41.987	-13.341	83.476	1.00	0.00	H
ATOM	281	H5'2	C	A	9	41.761	-11.926	82.426	1.00	0.00	H
ATOM	282	C1'	C	A	10	35.615	-18.245	80.900	1.00	0.00	C
ATOM	283	N1	C	A	10	35.504	-17.750	82.300	1.00	0.00	N
ATOM	284	C2	C	A	10	35.341	-18.693	83.313	1.00	0.00	C
ATOM	285	O2	C	A	10	35.294	-19.893	83.013	1.00	0.00	O
ATOM	286	N3	C	A	10	35.238	-18.264	84.595	1.00	0.00	N
ATOM	287	C4	C	A	10	35.291	-16.958	84.890	1.00	0.00	C
ATOM	288	N4	C	A	10	35.189	-16.594	86.160	1.00	0.00	N
ATOM	289	C5	C	A	10	35.454	-15.966	83.868	1.00	0.00	C
ATOM	290	C6	C	A	10	35.560	-16.422	82.584	1.00	0.00	C
ATOM	291	C2'	C	A	10	34.918	-17.357	79.879	1.00	0.00	C
ATOM	292	C3'	C	A	10	35.845	-17.468	78.678	1.00	0.00	C
ATOM	293	O3'	C	A	10	35.509	-18.638	77.935	1.00	0.00	O
ATOM	294	C4'	C	A	10	37.225	-17.569	79.322	1.00	0.00	C
ATOM	295	O4'	C	A	10	36.991	-18.296	80.569	1.00	0.00	O
ATOM	296	C5'	C	A	10	37.911	-16.263	79.646	1.00	0.00	C
ATOM	297	O5'	C	A	10	36.930	-15.289	80.084	1.00	0.00	O
ATOM	298	O1P	C	A	10	36.981	-13.551	78.264	1.00	0.00	O
ATOM	299	O2P	C	A	10	36.312	-12.908	80.596	1.00	0.00	O
ATOM	300	P	C	A	10	37.155	-13.754	79.716	1.00	0.00	P
ATOM	301	H5	C	A	10	35.492	-14.902	84.102	1.00	0.00	H
ATOM	302	H6	C	A	10	35.694	-15.707	81.773	1.00	0.00	H
ATOM	303	H1'	C	A	10	35.224	-19.262	80.866	1.00	0.00	H
ATOM	304	H3'	C	A	10	35.775	-16.596	78.027	1.00	0.00	H
ATOM	305	H4'	C	A	10	37.861	-18.113	78.623	1.00	0.00	H
ATOM	306	H41	C	A	10	35.229	-15.597	86.415	1.00	0.00	H
ATOM	307	H42	C	A	10	35.069	-17.309	86.893	1.00	0.00	H
ATOM	308	H2'1	C	A	10	34.831	-16.325	80.218	1.00	0.00	H
ATOM	309	H2'2	C	A	10	33.914	-17.711	79.641	1.00	0.00	H
ATOM	310	H5'1	C	A	10	38.644	-16.429	80.437	1.00	0.00	H
ATOM	311	H5'2	C	A	10	38.422	-15.896	78.756	1.00	0.00	H
ATOM	312	C1'	T	A	11	32.167	-21.781	81.236	1.00	0.00	C
ATOM	313	N1	T	A	11	32.081	-20.571	82.096	1.00	0.00	N
ATOM	314	C2	T	A	11	31.919	-20.772	83.451	1.00	0.00	C
ATOM	315	O2	T	A	11	31.846	-21.882	83.950	1.00	0.00	O
ATOM	316	N3	T	A	11	31.844	-19.621	84.214	1.00	0.00	N
ATOM	317	C4	T	A	11	31.912	-18.323	83.751	1.00	0.00	C
ATOM	318	O4	T	A	11	31.830	-17.367	84.533	1.00	0.00	O
ATOM	319	C5	T	A	11	32.082	-18.213	82.321	1.00	0.00	C
ATOM	320	C6	T	A	11	32.160	-19.314	81.548	1.00	0.00	C

ATOM	321	C7	T A	11	32.164	-16.819	81.774	1.00	0.00	C
ATOM	322	C2'	T A	11	31.470	-21.629	79.890	1.00	0.00	C
ATOM	323	C3'	T A	11	32.378	-22.428	78.969	1.00	0.00	C
ATOM	324	O3'	T A	11	32.018	-23.806	79.034	1.00	0.00	O
ATOM	325	C4'	T A	11	33.765	-22.166	79.550	1.00	0.00	C
ATOM	326	O4'	T A	11	33.536	-22.040	80.989	1.00	0.00	O
ATOM	327	C5'	T A	11	34.475	-20.924	79.063	1.00	0.00	C
ATOM	328	O5'	T A	11	33.514	-19.857	78.864	1.00	0.00	O
ATOM	329	O1P	T A	11	33.565	-19.483	76.376	1.00	0.00	O
ATOM	330	O2P	T A	11	32.935	-17.604	77.914	1.00	0.00	O
ATOM	331	P	T A	11	33.755	-18.818	77.679	1.00	0.00	P
ATOM	332	H3	T A	11	31.728	-19.744	85.229	1.00	0.00	H
ATOM	333	H6	T A	11	32.288	-19.206	80.470	1.00	0.00	H
ATOM	334	H1'	T A	11	31.761	-22.626	81.792	1.00	0.00	H
ATOM	335	H3'	T A	11	32.313	-22.087	77.936	1.00	0.00	H
ATOM	336	H4'	T A	11	34.385	-23.026	79.291	1.00	0.00	H
ATOM	337	H71	T A	11	31.298	-16.626	81.140	1.00	0.00	H
ATOM	338	H72	T A	11	32.176	-16.106	82.598	1.00	0.00	H
ATOM	339	H73	T A	11	33.075	-16.711	81.186	1.00	0.00	H
ATOM	340	H2'1	T A	11	31.402	-20.589	79.575	1.00	0.00	H
ATOM	341	H2'2	T A	11	30.457	-22.035	79.900	1.00	0.00	H
ATOM	342	H5'1	T A	11	35.215	-20.620	79.803	1.00	0.00	H
ATOM	343	H5'2	T A	11	34.978	-21.145	78.122	1.00	0.00	H
ATOM	344	C1'	A A	12	28.673	-24.375	83.622	1.00	0.00	C
ATOM	345	N1	A A	12	28.236	-20.117	86.454	1.00	0.00	N
ATOM	346	C2	A A	12	28.250	-21.409	86.769	1.00	0.00	C
ATOM	347	N3	A A	12	28.370	-22.460	85.986	1.00	0.00	N
ATOM	348	C4	A A	12	28.482	-22.074	84.703	1.00	0.00	C
ATOM	349	C5	A A	12	28.483	-20.798	84.215	1.00	0.00	C
ATOM	350	C6	A A	12	28.350	-19.763	85.165	1.00	0.00	C
ATOM	351	N6	A A	12	28.335	-18.460	84.834	1.00	0.00	N
ATOM	352	N7	A A	12	28.620	-20.788	82.838	1.00	0.00	N
ATOM	353	C8	A A	12	28.693	-22.048	82.523	1.00	0.00	C
ATOM	354	N9	A A	12	28.619	-22.888	83.605	1.00	0.00	N
ATOM	355	C2'	A A	12	27.959	-25.027	82.445	1.00	0.00	C
ATOM	356	C3'	A A	12	28.841	-26.235	82.170	1.00	0.00	C
ATOM	357	O3'	A A	12	28.457	-27.301	83.035	1.00	0.00	O
ATOM	358	C4'	A A	12	30.242	-25.712	82.484	1.00	0.00	C
ATOM	359	O4'	A A	12	30.034	-24.757	83.573	1.00	0.00	O
ATOM	360	C5'	A A	12	30.965	-25.013	81.358	1.00	0.00	C
ATOM	361	O5'	A A	12	30.020	-24.245	80.570	1.00	0.00	O
ATOM	362	O1P	A A	12	30.044	-25.408	78.338	1.00	0.00	O
ATOM	363	O2P	A A	12	29.468	-22.970	78.476	1.00	0.00	O
ATOM	364	P	A A	12	30.264	-24.108	79.000	1.00	0.00	P
ATOM	365	H2	A A	12	28.150	-21.630	87.831	1.00	0.00	H
ATOM	366	H8	A A	12	28.804	-22.404	81.498	1.00	0.00	H
ATOM	367	H1'	A A	12	28.261	-24.720	84.568	1.00	0.00	H
ATOM	368	H3'	A A	12	28.769	-26.567	81.135	1.00	0.00	H
ATOM	369	H4'	A A	12	30.841	-26.573	82.780	1.00	0.00	H
ATOM	370	H61	A A	12	28.238	-17.744	85.567	1.00	0.00	H
ATOM	371	H62	A A	12	28.421	-18.180	83.846	1.00	0.00	H
ATOM	372	H2'1	A A	12	27.906	-24.371	81.577	1.00	0.00	H
ATOM	373	H2'2	A A	12	26.942	-25.327	82.694	1.00	0.00	H
ATOM	374	H5'1	A A	12	31.720	-24.348	81.777	1.00	0.00	H

ATOM	375	H5'2	A	A	12	31.452	-25.756	80.728	1.00	0.00	H
ATOM	376	C1'	G	A	13	25.178	-24.976	87.096	1.00	0.00	C
ATOM	377	N1	G	A	13	24.847	-19.891	86.862	1.00	0.00	N
ATOM	378	C2	G	A	13	24.843	-20.731	87.961	1.00	0.00	C
ATOM	379	N2	G	A	13	24.732	-20.139	89.158	1.00	0.00	N
ATOM	380	N3	G	A	13	24.939	-22.056	87.874	1.00	0.00	N
ATOM	381	C4	G	A	13	25.035	-22.484	86.588	1.00	0.00	C
ATOM	382	C5	G	A	13	25.045	-21.721	85.431	1.00	0.00	C
ATOM	383	C6	G	A	13	24.946	-20.314	85.523	1.00	0.00	C
ATOM	384	O6	G	A	13	24.936	-19.476	84.621	1.00	0.00	O
ATOM	385	N7	G	A	13	25.157	-22.546	84.311	1.00	0.00	N
ATOM	386	C8	G	A	13	25.215	-23.753	84.810	1.00	0.00	C
ATOM	387	N9	G	A	13	25.145	-23.798	86.187	1.00	0.00	N
ATOM	388	C2'	G	A	13	24.436	-26.190	86.553	1.00	0.00	C
ATOM	389	C3'	G	A	13	25.295	-27.338	87.055	1.00	0.00	C
ATOM	390	O3'	G	A	13	24.911	-27.662	88.389	1.00	0.00	O
ATOM	391	C4'	G	A	13	26.708	-26.762	86.986	1.00	0.00	C
ATOM	392	O4'	G	A	13	26.532	-25.340	87.282	1.00	0.00	O
ATOM	393	C5'	G	A	13	27.422	-26.894	85.661	1.00	0.00	C
ATOM	394	O5'	G	A	13	26.476	-26.736	84.575	1.00	0.00	O
ATOM	395	O1P	G	A	13	26.447	-29.007	83.492	1.00	0.00	O
ATOM	396	O2P	G	A	13	25.909	-26.965	82.138	1.00	0.00	O
ATOM	397	P	G	A	13	26.696	-27.576	83.237	1.00	0.00	P
ATOM	398	H1	G	A	13	24.774	-18.877	87.038	1.00	0.00	H
ATOM	399	H8	G	A	13	25.308	-24.647	84.193	1.00	0.00	H
ATOM	400	H1'	G	A	13	24.775	-24.673	88.062	1.00	0.00	H
ATOM	401	H21	G	A	13	24.661	-19.111	89.216	1.00	0.00	H
ATOM	402	H3'	G	A	13	25.201	-28.225	86.427	1.00	0.00	H
ATOM	403	H22	G	A	13	24.720	-20.708	90.013	1.00	0.00	H
ATOM	404	H4'	G	A	13	27.300	-27.283	87.737	1.00	0.00	H
ATOM	405	H2'1	G	A	13	24.377	-26.186	85.464	1.00	0.00	H
ATOM	406	H2'2	G	A	13	23.417	-26.258	86.935	1.00	0.00	H
ATOM	407	H5'1	G	A	13	28.194	-26.128	85.593	1.00	0.00	H
ATOM	408	H5'2	G	A	13	27.889	-27.877	85.604	1.00	0.00	H
ATOM	409	C1'	G	A	14	21.729	-23.375	90.269	1.00	0.00	C
ATOM	410	N1	G	A	14	21.467	-19.391	87.093	1.00	0.00	N
ATOM	411	C2	G	A	14	21.467	-19.426	88.476	1.00	0.00	C
ATOM	412	N2	G	A	14	21.383	-18.242	89.096	1.00	0.00	N
ATOM	413	N3	G	A	14	21.544	-20.551	89.184	1.00	0.00	N
ATOM	414	C4	G	A	14	21.614	-21.654	88.394	1.00	0.00	C
ATOM	415	C5	G	A	14	21.616	-21.715	87.011	1.00	0.00	C
ATOM	416	C6	G	A	14	21.539	-20.522	86.258	1.00	0.00	C
ATOM	417	O6	G	A	14	21.527	-20.373	85.036	1.00	0.00	O
ATOM	418	N7	G	A	14	21.700	-23.045	86.588	1.00	0.00	N
ATOM	419	C8	G	A	14	21.748	-23.729	87.701	1.00	0.00	C
ATOM	420	N9	G	A	14	21.700	-22.954	88.841	1.00	0.00	N
ATOM	421	C2'	G	A	14	20.962	-24.661	90.545	1.00	0.00	C
ATOM	422	C3'	G	A	14	21.813	-25.313	91.623	1.00	0.00	C
ATOM	423	O3'	G	A	14	21.444	-24.783	92.895	1.00	0.00	O
ATOM	424	C4'	G	A	14	23.233	-24.915	91.223	1.00	0.00	C
ATOM	425	O4'	G	A	14	23.081	-23.587	90.628	1.00	0.00	O
ATOM	426	C5'	G	A	14	23.925	-25.815	90.226	1.00	0.00	C
ATOM	427	O5'	G	A	14	22.964	-26.305	89.258	1.00	0.00	O
ATOM	428	O1P	G	A	14	22.886	-28.779	89.716	1.00	0.00	O

ATOM	429	O2P	G A	14	22.356	-27.911	87.423	1.00	0.00	O
ATOM	430	P	G A	14	23.152	-27.775	88.668	1.00	0.00	P
ATOM	431	H1	G A	14	21.410	-18.466	86.641	1.00	0.00	H
ATOM	432	H8	G A	14	21.820	-24.816	87.726	1.00	0.00	H
ATOM	433	H1'	G A	14	21.346	-22.554	90.874	1.00	0.00	H
ATOM	434	H21	G A	14	21.328	-17.375	88.542	1.00	0.00	H
ATOM	435	H3'	G A	14	21.697	-26.396	91.636	1.00	0.00	H
ATOM	436	H22	G A	14	21.376	-18.199	90.124	1.00	0.00	H
ATOM	437	H4'	G A	14	23.829	-24.907	92.134	1.00	0.00	H
ATOM	438	H2'1	G A	14	20.887	-25.296	89.662	1.00	0.00	H
ATOM	439	H2'2	G A	14	19.949	-24.470	90.900	1.00	0.00	H
ATOM	440	H5'1	G A	14	24.706	-25.251	89.717	1.00	0.00	H
ATOM	441	H5'2	G A	14	24.377	-26.654	90.755	1.00	0.00	H
ATOM	442	C1'	A A	15	18.353	-20.159	91.930	1.00	0.00	C
ATOM	443	N1	A A	15	18.096	-18.761	86.999	1.00	0.00	N
ATOM	444	C2	A A	15	18.119	-18.063	88.131	1.00	0.00	C
ATOM	445	N3	A A	15	18.190	-18.488	89.375	1.00	0.00	N
ATOM	446	C4	A A	15	18.235	-19.833	89.405	1.00	0.00	C
ATOM	447	C5	A A	15	18.218	-20.690	88.341	1.00	0.00	C
ATOM	448	C6	A A	15	18.143	-20.100	87.061	1.00	0.00	C
ATOM	449	N6	A A	15	18.119	-20.817	85.924	1.00	0.00	N
ATOM	450	N7	A A	15	18.281	-22.007	88.759	1.00	0.00	N
ATOM	451	C8	A A	15	18.329	-21.921	90.055	1.00	0.00	C
ATOM	452	N9	A A	15	18.308	-20.630	90.521	1.00	0.00	N
ATOM	453	C2'	A A	15	17.573	-21.039	92.898	1.00	0.00	C
ATOM	454	C3'	A A	15	18.431	-20.971	94.152	1.00	0.00	C
ATOM	455	O3'	A A	15	18.087	-19.802	94.889	1.00	0.00	O
ATOM	456	C4'	A A	15	19.850	-20.903	93.589	1.00	0.00	C
ATOM	457	O4'	A A	15	19.707	-20.153	92.340	1.00	0.00	O
ATOM	458	C5'	A A	15	20.516	-22.224	93.286	1.00	0.00	C
ATOM	459	O5'	A A	15	19.535	-23.163	92.777	1.00	0.00	O
ATOM	460	O1P	A A	15	19.430	-24.925	94.572	1.00	0.00	O
ATOM	461	O2P	A A	15	18.879	-25.518	92.196	1.00	0.00	O
ATOM	462	P	A A	15	19.694	-24.709	93.135	1.00	0.00	P
ATOM	463	H2	A A	15	18.075	-16.980	88.011	1.00	0.00	H
ATOM	464	H8	A A	15	18.382	-22.789	90.712	1.00	0.00	H
ATOM	465	H1'	A A	15	17.990	-19.132	91.958	1.00	0.00	H
ATOM	466	H3'	A A	15	18.301	-21.849	94.784	1.00	0.00	H
ATOM	467	H4'	A A	15	20.458	-20.385	94.329	1.00	0.00	H
ATOM	468	H61	A A	15	18.066	-20.335	85.015	1.00	0.00	H
ATOM	469	H62	A A	15	18.153	-21.846	85.964	1.00	0.00	H
ATOM	470	H2'1	A A	15	17.477	-22.063	92.538	1.00	0.00	H
ATOM	471	H2'2	A A	15	16.568	-20.660	93.084	1.00	0.00	H
ATOM	472	H5'1	A A	15	21.297	-22.068	92.542	1.00	0.00	H
ATOM	473	H5'2	A A	15	20.963	-22.617	94.197	1.00	0.00	H
ATOM	474	C1'	C A	16	15.046	-16.500	91.353	1.00	0.00	C
ATOM	475	N1	C A	16	14.973	-17.721	90.506	1.00	0.00	N
ATOM	476	C2	C A	16	14.898	-17.555	89.125	1.00	0.00	C
ATOM	477	O2	C A	16	14.894	-16.407	88.663	1.00	0.00	O
ATOM	478	N3	C A	16	14.830	-18.655	88.336	1.00	0.00	N
ATOM	479	C4	C A	16	14.835	-19.884	88.867	1.00	0.00	C
ATOM	480	N4	C A	16	14.771	-20.924	88.048	1.00	0.00	N
ATOM	481	C5	C A	16	14.908	-20.086	90.284	1.00	0.00	C
ATOM	482	C6	C A	16	14.979	-18.964	91.061	1.00	0.00	C

ATOM	483	C2'	C A	16	14.265	-16.607	92.655	1.00	0.00	C
ATOM	484	C3'	C A	16	15.143	-15.822	93.618	1.00	0.00	C
ATOM	485	O3'	C A	16	14.831	-14.436	93.511	1.00	0.00	O
ATOM	486	C4'	C A	16	16.553	-16.137	93.125	1.00	0.00	C
ATOM	487	O4'	C A	16	16.407	-16.281	91.676	1.00	0.00	O
ATOM	488	C5'	C A	16	17.191	-17.394	93.673	1.00	0.00	C
ATOM	489	O5'	C A	16	16.185	-18.426	93.829	1.00	0.00	O
ATOM	490	O1P	C A	16	16.075	-18.762	96.321	1.00	0.00	O
ATOM	491	O2P	C A	16	15.478	-20.644	94.774	1.00	0.00	O
ATOM	492	P	C A	16	16.321	-19.453	95.041	1.00	0.00	P
ATOM	493	H5	C A	16	14.904	-21.086	90.722	1.00	0.00	H
ATOM	494	H6	C A	16	15.044	-19.067	92.144	1.00	0.00	H
ATOM	495	H1'	C A	16	14.702	-15.652	90.760	1.00	0.00	H
ATOM	496	H3'	C A	16	15.004	-16.146	94.650	1.00	0.00	H
ATOM	497	H4'	C A	16	17.183	-15.295	93.410	1.00	0.00	H
ATOM	498	H41	C A	16	14.775	-21.881	88.431	1.00	0.00	H
ATOM	499	H42	C A	16	14.716	-20.777	87.030	1.00	0.00	H
ATOM	500	H2'1	C A	16	14.144	-17.640	92.982	1.00	0.00	H
ATOM	501	H2'2	C A	16	13.269	-16.170	92.578	1.00	0.00	H
ATOM	502	H5'1	C A	16	17.964	-17.732	92.983	1.00	0.00	H
ATOM	503	H5'2	C A	16	17.644	-17.173	94.639	1.00	0.00	H
ATOM	504	C1'	G A	17	11.784	-13.811	88.775	1.00	0.00	C
ATOM	505	N1	G A	17	11.377	-18.044	85.957	1.00	0.00	N
ATOM	506	C2	G A	17	11.451	-16.719	85.564	1.00	0.00	C
ATOM	507	N2	G A	17	11.408	-16.493	84.246	1.00	0.00	N
ATOM	508	N3	G A	17	11.559	-15.703	86.418	1.00	0.00	N
ATOM	509	C4	G A	17	11.579	-16.117	87.713	1.00	0.00	C
ATOM	510	C5	G A	17	11.506	-17.412	88.199	1.00	0.00	C
ATOM	511	C6	G A	17	11.396	-18.492	87.293	1.00	0.00	C
ATOM	512	O6	G A	17	11.320	-19.698	87.527	1.00	0.00	O
ATOM	513	N7	G A	17	11.559	-17.409	89.594	1.00	0.00	N
ATOM	514	C8	G A	17	11.662	-16.142	89.903	1.00	0.00	C
ATOM	515	N9	G A	17	11.680	-15.294	88.814	1.00	0.00	N
ATOM	516	C2'	G A	17	11.025	-13.113	89.895	1.00	0.00	C
ATOM	517	C3'	G A	17	11.928	-11.930	90.203	1.00	0.00	C
ATOM	518	O3'	G A	17	11.631	-10.868	89.299	1.00	0.00	O
ATOM	519	C4'	G A	17	13.327	-12.504	89.980	1.00	0.00	C
ATOM	520	O4'	G A	17	13.151	-13.470	88.897	1.00	0.00	O
ATOM	521	C5'	G A	17	13.958	-13.206	91.159	1.00	0.00	C
ATOM	522	O5'	G A	17	12.944	-13.928	91.901	1.00	0.00	O
ATOM	523	O1P	G A	17	12.875	-12.724	94.111	1.00	0.00	O
ATOM	524	O2P	G A	17	12.228	-15.145	93.979	1.00	0.00	O
ATOM	525	P	G A	17	13.090	-14.044	93.485	1.00	0.00	P
ATOM	526	H1	G A	17	11.302	-18.756	85.215	1.00	0.00	H
ATOM	527	H8	G A	17	11.728	-15.785	90.932	1.00	0.00	H
ATOM	528	H1'	G A	17	11.439	-13.470	87.799	1.00	0.00	H
ATOM	529	H21	G A	17	11.328	-17.284	83.591	1.00	0.00	H
ATOM	530	H3'	G A	17	11.805	-11.578	91.228	1.00	0.00	H
ATOM	531	H22	G A	17	11.456	-15.528	83.888	1.00	0.00	H
ATOM	532	H4'	G A	17	13.971	-11.669	89.706	1.00	0.00	H
ATOM	533	H2'1	G A	17	10.898	-13.753	90.769	1.00	0.00	H
ATOM	534	H2'2	G A	17	10.033	-12.785	89.582	1.00	0.00	H
ATOM	535	H5'1	G A	17	14.715	-13.902	90.797	1.00	0.00	H
ATOM	536	H5'2	G A	17	14.432	-12.467	91.804	1.00	0.00	H

ATOM	537	C1'	G A	18	8.521	-13.082	85.122	1.00	0.00	C
ATOM	538	N1	G A	18	8.011	-18.154	85.331	1.00	0.00	N
ATOM	539	C2	G A	18	8.098	-17.314	84.234	1.00	0.00	C
ATOM	540	N2	G A	18	8.039	-17.905	83.032	1.00	0.00	N
ATOM	541	N3	G A	18	8.233	-15.994	84.328	1.00	0.00	N
ATOM	542	C4	G A	18	8.267	-15.568	85.618	1.00	0.00	C
ATOM	543	C5	G A	18	8.184	-16.330	86.772	1.00	0.00	C
ATOM	544	C6	G A	18	8.045	-17.734	86.673	1.00	0.00	C
ATOM	545	O6	G A	18	7.955	-18.569	87.573	1.00	0.00	O
ATOM	546	N7	G A	18	8.258	-15.509	87.898	1.00	0.00	N
ATOM	547	C8	G A	18	8.384	-14.304	87.404	1.00	0.00	C
ATOM	548	N9	G A	18	8.397	-14.259	86.026	1.00	0.00	N
ATOM	549	C2'	G A	18	7.789	-11.845	85.621	1.00	0.00	C
ATOM	550	C3'	G A	18	8.713	-10.726	85.171	1.00	0.00	C
ATOM	551	O3'	G A	18	8.418	-10.391	83.817	1.00	0.00	O
ATOM	552	C4'	G A	18	10.100	-11.348	85.322	1.00	0.00	C
ATOM	553	O4'	G A	18	9.895	-12.763	85.014	1.00	0.00	O
ATOM	554	C5'	G A	18	10.739	-11.238	86.686	1.00	0.00	C
ATOM	555	O5'	G A	18	9.727	-11.364	87.715	1.00	0.00	O
ATOM	556	O1P	G A	18	9.708	-9.092	88.797	1.00	0.00	O
ATOM	557	O2P	G A	18	9.025	-11.114	90.115	1.00	0.00	O
ATOM	558	P	G A	18	9.895	-10.530	89.065	1.00	0.00	P
ATOM	559	H1	G A	18	7.915	-19.165	85.149	1.00	0.00	H
ATOM	560	H8	G A	18	8.470	-13.413	88.026	1.00	0.00	H
ATOM	561	H1'	G A	18	8.166	-13.373	84.133	1.00	0.00	H
ATOM	562	H21	G A	18	7.938	-18.929	82.968	1.00	0.00	H
ATOM	563	H3'	G A	18	8.611	-9.836	85.794	1.00	0.00	H
ATOM	564	H22	G A	18	8.095	-17.336	82.178	1.00	0.00	H
ATOM	565	H4'	G A	18	10.752	-10.847	84.607	1.00	0.00	H
ATOM	566	H2'1	G A	18	7.666	-11.846	86.704	1.00	0.00	H
ATOM	567	H2'2	G A	18	6.797	-11.744	85.180	1.00	0.00	H
ATOM	568	H5'1	G A	18	11.480	-12.029	86.799	1.00	0.00	H
ATOM	569	H5'2	G A	18	11.234	-10.270	86.772	1.00	0.00	H
ATOM	570	C1'	T A	19	5.216	-14.551	81.742	1.00	0.00	C
ATOM	571	N1	T A	19	5.086	-14.996	83.155	1.00	0.00	N
ATOM	572	C2	T A	19	4.938	-16.350	83.378	1.00	0.00	C
ATOM	573	O2	T A	19	4.911	-17.169	82.475	1.00	0.00	O
ATOM	574	N3	T A	19	4.822	-16.720	84.705	1.00	0.00	N
ATOM	575	C4	T A	19	4.837	-15.878	85.797	1.00	0.00	C
ATOM	576	O4	T A	19	4.721	-16.326	86.943	1.00	0.00	O
ATOM	577	C5	T A	19	4.996	-14.482	85.465	1.00	0.00	C
ATOM	578	C6	T A	19	5.113	-14.085	84.182	1.00	0.00	C
ATOM	579	C7	T A	19	5.020	-13.529	86.623	1.00	0.00	C
ATOM	580	C2'	T A	19	4.507	-13.235	81.445	1.00	0.00	C
ATOM	581	C3'	T A	19	5.441	-12.592	80.433	1.00	0.00	C
ATOM	582	O3'	T A	19	5.135	-13.087	79.131	1.00	0.00	O
ATOM	583	C4'	T A	19	6.820	-13.041	80.912	1.00	0.00	C
ATOM	584	O4'	T A	19	6.592	-14.374	81.469	1.00	0.00	O
ATOM	585	C5'	T A	19	7.478	-12.182	81.966	1.00	0.00	C
ATOM	586	O5'	T A	19	6.475	-11.678	82.884	1.00	0.00	O
ATOM	587	O1P	T A	19	6.500	-9.196	82.470	1.00	0.00	O
ATOM	588	O2P	T A	19	5.804	-10.089	84.710	1.00	0.00	O
ATOM	589	P	T A	19	6.669	-10.227	83.514	1.00	0.00	P
ATOM	590	H3	T A	19	4.715	-17.726	84.898	1.00	0.00	H

ATOM	591	H6	T A	19	5.232	-13.025	83.956	1.00	0.00	H
ATOM	592	H1'	T A	19	4.845	-15.348	81.097	1.00	0.00	H
ATOM	593	H3'	T A	19	5.358	-11.505	80.435	1.00	0.00	H
ATOM	594	H4'	T A	19	7.471	-13.050	80.036	1.00	0.00	H
ATOM	595	H71	T A	19	4.145	-12.882	86.580	1.00	0.00	H
ATOM	596	H72	T A	19	5.009	-14.092	87.557	1.00	0.00	H
ATOM	597	H73	T A	19	5.924	-12.921	86.577	1.00	0.00	H
ATOM	598	H2'1	T A	19	4.397	-12.616	82.334	1.00	0.00	H
ATOM	599	H2'2	T A	19	3.511	-13.387	81.026	1.00	0.00	H
ATOM	600	H5'1	T A	19	8.209	-12.779	82.510	1.00	0.00	H
ATOM	601	H5'2	T A	19	7.985	-11.348	81.482	1.00	0.00	H
ATOM	602	C01	LNK A	20	2.515	-12.057	76.696	0.00	0.00	C
ATOM	603	O1	LNK A	20	3.155	-11.958	77.970	1.00	0.00	O
ATOM	604	S	LNK A	20	-0.631	-10.538	74.789	0.00	0.00	S
ATOM	605	C02	LNK A	20	1.291	-11.122	76.664	0.00	0.00	C
ATOM	606	C03	LNK A	20	0.159	-11.784	75.854	0.00	0.00	C
ATOM	607	O1P	LNK A	20	2.689	-13.202	80.109	1.00	0.00	O
ATOM	608	O2P	LNK A	20	3.070	-14.470	77.976	1.00	0.00	O
ATOM	609	P	LNK A	20	3.395	-13.290	78.815	1.00	0.00	P
ATOM	610	H01	LNK A	20	2.191	-13.085	76.529	0.00	0.00	H
ATOM	611	H02	LNK A	20	3.215	-11.766	75.913	0.00	0.00	H
ATOM	612	H03	LNK A	20	-0.581	-12.199	76.538	0.00	0.00	H
ATOM	613	H04	LNK A	20	1.569	-10.177	76.197	0.00	0.00	H
ATOM	614	H05	LNK A	20	0.949	-10.937	77.682	0.00	0.00	H
ATOM	615	H06	LNK A	20	0.573	-12.581	75.237	0.00	0.00	H
ATOM	616	AU	LNK A	20	-1.196	-10.804	74.505			
TER										
ATOM	618	C1'	A B	2	3.996	-24.697	85.545	1.00	0.00	C
ATOM	619	N1	A B	2	4.507	-19.597	85.278	1.00	0.00	N
ATOM	620	C2	A B	2	4.477	-20.546	84.348	1.00	0.00	C
ATOM	621	N3	A B	2	4.338	-21.848	84.485	1.00	0.00	N
ATOM	622	C4	A B	2	4.224	-22.169	85.788	1.00	0.00	C
ATOM	623	C5	A B	2	4.237	-21.319	86.857	1.00	0.00	C
ATOM	624	C6	A B	2	4.390	-19.947	86.568	1.00	0.00	C
ATOM	625	N6	A B	2	4.420	-18.995	87.516	1.00	0.00	N
ATOM	626	N7	A B	2	4.091	-22.011	88.047	1.00	0.00	N
ATOM	627	C8	A B	2	4.000	-23.253	87.675	1.00	0.00	C
ATOM	628	N9	A B	2	4.069	-23.426	86.318	1.00	0.00	N
ATOM	629	C2'	A B	2	4.693	-25.868	86.224	1.00	0.00	C
ATOM	630	C3'	A B	2	3.794	-27.034	85.847	1.00	0.00	C
ATOM	631	O3'	A B	2	4.169	-27.515	84.558	1.00	0.00	O
ATOM	632	C4'	A B	2	2.402	-26.404	85.845	1.00	0.00	C
ATOM	633	O4'	A B	2	2.629	-25.029	85.394	1.00	0.00	O
ATOM	634	C5'	A B	2	1.681	-26.365	87.172	1.00	0.00	C
ATOM	635	O5'	A B	2	2.632	-26.120	88.239	1.00	0.00	O
ATOM	636	H2	A B	2	4.582	-20.197	83.322	1.00	0.00	H
ATOM	637	H8	A B	2	3.880	-24.080	88.377	1.00	0.00	H
ATOM	638	H1'	A B	2	4.410	-24.517	84.553	1.00	0.00	H
ATOM	639	H3'	A B	2	3.856	-27.849	86.568	1.00	0.00	H
ATOM	640	H4'	A B	2	1.794	-26.984	85.152	1.00	0.00	H
ATOM	641	H61	A B	2	4.531	-18.007	87.250	1.00	0.00	H
ATOM	642	H62	A B	2	4.331	-19.256	88.509	1.00	0.00	H
ATOM	643	H2'1	A B	2	4.750	-25.746	87.305	1.00	0.00	H
ATOM	644	H2'2	A B	2	5.709	-26.015	85.855	1.00	0.00	H



ATOM	645	H5'1	A B	2	0.938	-25.569	87.151	1.00	0.00	H
ATOM	646	H5'2	A B	2	1.182	-27.319	87.335	1.00	0.00	H
ATOM	647	C1'	C B	3	7.496	-23.496	82.234	1.00	0.00	C
ATOM	648	N1	C B	3	7.540	-22.940	83.614	1.00	0.00	N
ATOM	649	C2	C B	3	7.678	-21.561	83.759	1.00	0.00	C
ATOM	650	O2	C B	3	7.758	-20.860	82.742	1.00	0.00	O
ATOM	651	N3	C B	3	7.720	-21.035	85.006	1.00	0.00	N
ATOM	652	C4	C B	3	7.633	-21.821	86.088	1.00	0.00	C
ATOM	653	N4	C B	3	7.676	-21.252	87.286	1.00	0.00	N
ATOM	654	C5	C B	3	7.495	-23.243	85.972	1.00	0.00	C
ATOM	655	C6	C B	3	7.450	-23.751	84.704	1.00	0.00	C
ATOM	656	C2'	C B	3	8.220	-24.828	82.085	1.00	0.00	C
ATOM	657	C3'	C B	3	7.346	-25.552	81.073	1.00	0.00	C
ATOM	658	O3'	C B	3	7.732	-25.160	79.757	1.00	0.00	O
ATOM	659	C4'	C B	3	5.942	-25.071	81.431	1.00	0.00	C
ATOM	660	O4'	C B	3	6.137	-23.697	81.895	1.00	0.00	O
ATOM	661	C5'	C B	3	5.220	-25.847	82.507	1.00	0.00	C
ATOM	662	O5'	C B	3	6.166	-26.273	83.521	1.00	0.00	O
ATOM	663	O1P	C B	3	6.162	-28.782	83.304	1.00	0.00	O
ATOM	664	O2P	C B	3	6.722	-27.713	85.504	1.00	0.00	O
ATOM	665	P	C B	3	5.931	-27.671	84.250	1.00	0.00	P
ATOM	666	H5	C B	3	7.431	-23.887	86.849	1.00	0.00	H
ATOM	667	H6	C B	3	7.338	-24.826	84.564	1.00	0.00	H
ATOM	668	H1'	C B	3	7.906	-22.750	81.553	1.00	0.00	H
ATOM	669	H3'	C B	3	7.427	-26.635	81.165	1.00	0.00	H
ATOM	670	H4'	C B	3	5.344	-25.133	80.521	1.00	0.00	H
ATOM	671	H41	C B	3	7.608	-21.833	88.134	1.00	0.00	H
ATOM	672	H42	C B	3	7.778	-20.230	87.368	1.00	0.00	H
ATOM	673	H2'1	C B	3	8.276	-25.376	83.025	1.00	0.00	H
ATOM	674	H2'2	C B	3	9.239	-24.705	81.716	1.00	0.00	H
ATOM	675	H5'1	C B	3	4.459	-25.211	82.959	1.00	0.00	H
ATOM	676	H5'2	C B	3	4.742	-26.718	82.062	1.00	0.00	H
ATOM	677	C1'	C B	4	10.983	-20.555	80.306	1.00	0.00	C
ATOM	678	N1	C B	4	11.010	-20.915	81.750	1.00	0.00	N
ATOM	679	C2	C B	4	11.119	-19.882	82.679	1.00	0.00	C
ATOM	680	O2	C B	4	11.188	-18.715	82.270	1.00	0.00	O
ATOM	681	N3	C B	4	11.146	-20.188	83.998	1.00	0.00	N
ATOM	682	C4	C B	4	11.070	-21.461	84.412	1.00	0.00	C
ATOM	683	N4	C B	4	11.097	-21.704	85.714	1.00	0.00	N
ATOM	684	C5	C B	4	10.961	-22.545	83.479	1.00	0.00	C
ATOM	685	C6	C B	4	10.931	-22.211	82.155	1.00	0.00	C
ATOM	686	C2'	C B	4	11.734	-21.534	79.415	1.00	0.00	C
ATOM	687	C3'	C B	4	10.879	-21.537	78.157	1.00	0.00	C
ATOM	688	O3'	C B	4	11.262	-20.442	77.329	1.00	0.00	O
ATOM	689	C4'	C B	4	9.464	-21.379	78.707	1.00	0.00	C
ATOM	690	O4'	C B	4	9.629	-20.536	79.893	1.00	0.00	O
ATOM	691	C5'	C B	4	8.754	-22.650	79.114	1.00	0.00	C
ATOM	692	O5'	C B	4	9.704	-23.577	79.697	1.00	0.00	O
ATOM	693	O1P	C B	4	9.752	-25.477	78.048	1.00	0.00	O
ATOM	694	O2P	C B	4	10.281	-25.898	80.465	1.00	0.00	O
ATOM	695	P	C B	4	9.495	-25.139	79.462	1.00	0.00	P
ATOM	696	H5	C B	4	10.907	-23.582	83.810	1.00	0.00	H
ATOM	697	H6	C B	4	10.842	-23.000	81.408	1.00	0.00	H
ATOM	698	H1'	C B	4	11.380	-19.545	80.199	1.00	0.00	H

ATOM	699	H3'	C B	4	10.982	-22.467	77.597	1.00	0.00	H
ATOM	700	H4'	C B	4	8.872	-20.902	77.926	1.00	0.00	H
ATOM	701	H41	C B	4	11.037	-22.673	86.059	1.00	0.00	H
ATOM	702	H42	C B	4	11.177	-20.924	86.383	1.00	0.00	H
ATOM	703	H2'1	C B	4	11.797	-22.529	79.855	1.00	0.00	H
ATOM	704	H2'2	C B	4	12.751	-21.204	79.204	1.00	0.00	H
ATOM	705	H5'1	C B	4	7.978	-22.410	79.840	1.00	0.00	H
ATOM	706	H5'2	C B	4	8.295	-23.098	78.233	1.00	0.00	H
ATOM	707	C1'	G B	5	14.416	-16.993	80.528	1.00	0.00	C
ATOM	708	N1	G B	5	14.668	-18.328	85.446	1.00	0.00	N
ATOM	709	C2	G B	5	14.667	-17.071	84.866	1.00	0.00	C
ATOM	710	N2	G B	5	14.746	-16.033	85.706	1.00	0.00	N
ATOM	711	N3	G B	5	14.593	-16.869	83.551	1.00	0.00	N
ATOM	712	C4	G B	5	14.526	-18.031	82.852	1.00	0.00	C
ATOM	713	C5	G B	5	14.526	-19.326	83.344	1.00	0.00	C
ATOM	714	C6	G B	5	14.601	-19.543	84.739	1.00	0.00	C
ATOM	715	O6	G B	5	14.613	-20.606	85.359	1.00	0.00	O
ATOM	716	N7	G B	5	14.447	-20.242	82.292	1.00	0.00	N
ATOM	717	C8	G B	5	14.400	-19.492	81.221	1.00	0.00	C
ATOM	718	N9	G B	5	14.446	-18.137	81.480	1.00	0.00	N
ATOM	719	C2'	G B	5	15.187	-17.248	79.240	1.00	0.00	C
ATOM	720	C3'	G B	5	14.338	-16.518	78.212	1.00	0.00	C
ATOM	721	O3'	G B	5	14.704	-15.141	78.195	1.00	0.00	O
ATOM	722	C4'	G B	5	12.917	-16.732	78.731	1.00	0.00	C
ATOM	723	O4'	G B	5	13.066	-16.750	80.187	1.00	0.00	O
ATOM	724	C5'	G B	5	12.229	-18.004	78.299	1.00	0.00	C
ATOM	725	O5'	G B	5	13.192	-19.086	78.235	1.00	0.00	O
ATOM	726	O1P	G B	5	13.277	-19.647	75.783	1.00	0.00	O
ATOM	727	O2P	G B	5	13.806	-21.406	77.492	1.00	0.00	O
ATOM	728	P	G B	5	13.010	-20.212	77.120	1.00	0.00	P
ATOM	729	H1	G B	5	14.722	-18.376	86.475	1.00	0.00	H
ATOM	730	H8	G B	5	14.333	-19.899	80.213	1.00	0.00	H
ATOM	731	H1'	G B	5	14.796	-16.111	81.042	1.00	0.00	H
ATOM	732	H21	G B	5	14.799	-16.197	86.722	1.00	0.00	H
ATOM	733	H3'	G B	5	14.457	-16.936	77.212	1.00	0.00	H
ATOM	734	H22	G B	5	14.753	-15.071	85.338	1.00	0.00	H
ATOM	735	H4'	G B	5	12.320	-15.893	78.376	1.00	0.00	H
ATOM	736	H2'1	G B	5	15.266	-18.311	79.008	1.00	0.00	H
ATOM	737	H2'2	G B	5	16.199	-16.845	79.277	1.00	0.00	H
ATOM	738	H5'1	G B	5	11.446	-18.249	79.017	1.00	0.00	H
ATOM	739	H5'2	G B	5	11.780	-17.853	77.318	1.00	0.00	H
ATOM	740	C1'	T B	6	17.775	-14.179	82.831	1.00	0.00	C
ATOM	741	N1	T B	6	17.825	-15.660	82.959	1.00	0.00	N
ATOM	742	C2	T B	6	17.898	-16.180	84.236	1.00	0.00	C
ATOM	743	O2	T B	6	17.923	-15.480	85.233	1.00	0.00	O
ATOM	744	N3	T B	6	17.941	-17.561	84.308	1.00	0.00	N
ATOM	745	C4	T B	6	17.922	-18.441	83.247	1.00	0.00	C
ATOM	746	O4	T B	6	17.970	-19.661	83.436	1.00	0.00	O
ATOM	747	C5	T B	6	17.843	-17.804	81.954	1.00	0.00	C
ATOM	748	C6	T B	6	17.798	-16.461	81.844	1.00	0.00	C
ATOM	749	C7	T B	6	17.817	-18.724	80.770	1.00	0.00	C
ATOM	750	C2'	T B	6	18.558	-13.640	81.640	1.00	0.00	C
ATOM	751	C3'	T B	6	17.697	-12.465	81.201	1.00	0.00	C
ATOM	752	O3'	T B	6	18.034	-11.320	81.980	1.00	0.00	O

ATOM	753	C4'	T B	6	16.280	-12.959	81.481	1.00	0.00	C
ATOM	754	O4'	T B	6	16.421	-13.805	82.667	1.00	0.00	O
ATOM	755	C5'	T B	6	15.620	-13.767	80.388	1.00	0.00	C
ATOM	756	O5'	T B	6	16.608	-14.603	79.733	1.00	0.00	O
ATOM	757	O1P	T B	6	16.718	-13.658	77.403	1.00	0.00	O
ATOM	758	O2P	T B	6	17.277	-16.071	77.807	1.00	0.00	O
ATOM	759	P	T B	6	16.456	-14.891	78.172	1.00	0.00	P
ATOM	760	H3	T B	6	17.993	-17.973	85.251	1.00	0.00	H
ATOM	761	H6	T B	6	17.740	-16.005	80.857	1.00	0.00	H
ATOM	762	H1'	T B	6	18.133	-13.743	83.763	1.00	0.00	H
ATOM	763	H3'	T B	6	17.831	-12.235	80.144	1.00	0.00	H
ATOM	764	H4'	T B	6	15.666	-12.076	81.658	1.00	0.00	H
ATOM	765	H71	T B	6	18.723	-18.585	80.180	1.00	0.00	H
ATOM	766	H72	T B	6	17.762	-19.758	81.113	1.00	0.00	H
ATOM	767	H73	T B	6	16.945	-18.500	80.153	1.00	0.00	H
ATOM	768	H2'1	T B	6	18.660	-14.376	80.846	1.00	0.00	H
ATOM	769	H2'2	T B	6	19.561	-13.314	81.918	1.00	0.00	H
ATOM	770	H5'1	T B	6	14.840	-14.391	80.823	1.00	0.00	H
ATOM	771	H5'2	T B	6	15.174	-13.088	79.662	1.00	0.00	H
ATOM	772	C1'	C B	7	21.069	-13.243	86.427	1.00	0.00	C
ATOM	773	N1	C B	7	21.146	-14.507	85.641	1.00	0.00	N
ATOM	774	C2	C B	7	21.226	-15.707	86.342	1.00	0.00	C
ATOM	775	O2	C B	7	21.228	-15.677	87.581	1.00	0.00	O
ATOM	776	N3	C B	7	21.298	-16.868	85.646	1.00	0.00	N
ATOM	777	C4	C B	7	21.294	-16.868	84.307	1.00	0.00	C
ATOM	778	N4	C B	7	21.362	-18.031	83.677	1.00	0.00	N
ATOM	779	C5	C B	7	21.218	-15.647	83.558	1.00	0.00	C
ATOM	780	C6	C B	7	21.141	-14.491	84.282	1.00	0.00	C
ATOM	781	C2'	C B	7	21.847	-12.089	85.812	1.00	0.00	C
ATOM	782	C3'	C B	7	20.965	-10.897	86.151	1.00	0.00	C
ATOM	783	O3'	C B	7	21.274	-10.445	87.466	1.00	0.00	O
ATOM	784	C4'	C B	7	19.557	-11.479	86.056	1.00	0.00	C
ATOM	785	O4'	C B	7	19.707	-12.864	86.499	1.00	0.00	O
ATOM	786	C5'	C B	7	18.920	-11.476	84.684	1.00	0.00	C
ATOM	787	O5'	C B	7	19.927	-11.739	83.677	1.00	0.00	O
ATOM	788	O1P	C B	7	20.031	-9.584	82.380	1.00	0.00	O
ATOM	789	O2P	C B	7	20.635	-11.749	81.266	1.00	0.00	O
ATOM	790	P	C B	7	19.789	-11.035	82.252	1.00	0.00	P
ATOM	791	H5	C B	7	21.222	-15.643	82.468	1.00	0.00	H
ATOM	792	H6	C B	7	21.074	-13.538	83.757	1.00	0.00	H
ATOM	793	H1'	C B	7	21.413	-13.451	87.440	1.00	0.00	H
ATOM	794	H3'	C B	7	21.100	-10.076	85.445	1.00	0.00	H
ATOM	795	H4'	C B	7	18.924	-10.886	86.716	1.00	0.00	H
ATOM	796	H41	C B	7	21.358	-18.060	82.647	1.00	0.00	H
ATOM	797	H42	C B	7	21.419	-18.908	84.217	1.00	0.00	H
ATOM	798	H2'1	C B	7	21.969	-12.200	84.735	1.00	0.00	H
ATOM	799	H2'2	C B	7	22.842	-11.984	86.245	1.00	0.00	H
ATOM	800	H5'1	C B	7	18.150	-12.247	84.647	1.00	0.00	H
ATOM	801	H5'2	C B	7	18.463	-10.504	84.505	1.00	0.00	H
ATOM	802	C1'	C B	8	24.327	-14.532	89.928	1.00	0.00	C
ATOM	803	N1	C B	8	24.433	-15.090	88.552	1.00	0.00	N
ATOM	804	C2	C B	8	24.535	-16.473	88.415	1.00	0.00	C
ATOM	805	O2	C B	8	24.531	-17.176	89.434	1.00	0.00	O
ATOM	806	N3	C B	8	24.633	-17.001	87.171	1.00	0.00	N

ATOM	807	C4	C B	8	24.634	-16.215	86.087	1.00	0.00	C
ATOM	808	N4	C B	8	24.729	-16.786	84.895	1.00	0.00	N
ATOM	809	C5	C B	8	24.536	-14.788	86.196	1.00	0.00	C
ATOM	810	C6	C B	8	24.434	-14.278	87.460	1.00	0.00	C
ATOM	811	C2'	C B	8	25.084	-13.225	90.120	1.00	0.00	C
ATOM	812	C3'	C B	8	24.177	-12.471	91.081	1.00	0.00	C
ATOM	813	O3'	C B	8	24.472	-12.875	92.416	1.00	0.00	O
ATOM	814	C4'	C B	8	22.781	-12.906	90.641	1.00	0.00	C
ATOM	815	O4'	C B	8	22.958	-14.286	90.187	1.00	0.00	O
ATOM	816	C5'	C B	8	22.149	-12.108	89.524	1.00	0.00	C
ATOM	817	O5'	C B	8	23.166	-11.714	88.567	1.00	0.00	O
ATOM	818	O1P	C B	8	23.231	-9.207	88.787	1.00	0.00	O
ATOM	819	O2P	C B	8	23.884	-10.295	86.622	1.00	0.00	O
ATOM	820	P	C B	8	23.020	-10.310	87.828	1.00	0.00	P
ATOM	821	H5	C B	8	24.545	-14.143	85.318	1.00	0.00	H
ATOM	822	H6	C B	8	24.349	-13.200	87.594	1.00	0.00	H
ATOM	823	H1'	C B	8	24.671	-15.290	90.631	1.00	0.00	H
ATOM	824	H3'	C B	8	24.298	-11.392	90.994	1.00	0.00	H
ATOM	825	H4'	C B	8	22.133	-12.823	91.514	1.00	0.00	H
ATOM	826	H41	C B	8	24.729	-16.204	84.044	1.00	0.00	H
ATOM	827	H42	C B	8	24.801	-17.811	84.818	1.00	0.00	H
ATOM	828	H2'1	C B	8	25.213	-12.680	89.186	1.00	0.00	H
ATOM	829	H2'2	C B	8	26.075	-13.380	90.548	1.00	0.00	H
ATOM	830	H5'1	C B	8	21.396	-12.719	89.028	1.00	0.00	H
ATOM	831	H5'2	C B	8	21.674	-11.222	89.942	1.00	0.00	H
ATOM	832	C1'	T B	9	27.595	-17.569	92.071	1.00	0.00	C
ATOM	833	N1	T B	9	27.720	-17.234	90.627	1.00	0.00	N
ATOM	834	C2	T B	9	27.848	-18.286	89.744	1.00	0.00	C
ATOM	835	O2	T B	9	27.861	-19.450	90.105	1.00	0.00	O
ATOM	836	N3	T B	9	27.961	-17.930	88.414	1.00	0.00	N
ATOM	837	C4	T B	9	27.961	-16.649	87.904	1.00	0.00	C
ATOM	838	O4	T B	9	28.073	-16.452	86.688	1.00	0.00	O
ATOM	839	C5	T B	9	27.821	-15.615	88.903	1.00	0.00	C
ATOM	840	C6	T B	9	27.708	-15.926	90.208	1.00	0.00	C
ATOM	841	C7	T B	9	27.813	-14.206	88.391	1.00	0.00	C
ATOM	842	C2'	T B	9	28.323	-16.598	92.993	1.00	0.00	C
ATOM	843	C3'	T B	9	27.395	-16.548	94.197	1.00	0.00	C
ATOM	844	O3'	T B	9	27.693	-17.640	95.064	1.00	0.00	O
ATOM	845	C4'	T B	9	26.011	-16.671	93.565	1.00	0.00	C
ATOM	846	O4'	T B	9	26.221	-17.538	92.405	1.00	0.00	O
ATOM	847	C5'	T B	9	25.367	-15.386	93.099	1.00	0.00	C
ATOM	848	O5'	T B	9	26.380	-14.499	92.561	1.00	0.00	O
ATOM	849	O1P	T B	9	26.390	-12.574	94.181	1.00	0.00	O
ATOM	850	O2P	T B	9	27.076	-12.210	91.795	1.00	0.00	O
ATOM	851	P	T B	9	26.207	-12.926	92.758	1.00	0.00	P
ATOM	852	H3	T B	9	28.054	-18.698	87.734	1.00	0.00	H
ATOM	853	H6	T B	9	27.605	-15.128	90.944	1.00	0.00	H
ATOM	854	H1'	T B	9	27.952	-18.589	92.218	1.00	0.00	H
ATOM	855	H3'	T B	9	27.494	-15.613	94.748	1.00	0.00	H
ATOM	856	H4'	T B	9	25.358	-17.117	94.317	1.00	0.00	H
ATOM	857	H71	T B	9	28.698	-13.682	88.754	1.00	0.00	H
ATOM	858	H72	T B	9	27.817	-14.213	87.300	1.00	0.00	H
ATOM	859	H73	T B	9	26.918	-13.695	88.747	1.00	0.00	H
ATOM	860	H2'1	T B	9	28.443	-15.613	92.544	1.00	0.00	H

ATOM	861	H2'2	T B	9	29.314	-16.956	93.270	1.00	0.00	H
ATOM	862	H5'1	T B	9	24.628	-15.613	92.331	1.00	0.00	H
ATOM	863	H5'2	T B	9	24.872	-14.909	93.943	1.00	0.00	H
ATOM	864	C1'	A B	10	30.917	-21.256	92.054	1.00	0.00	C
ATOM	865	N1	A B	10	31.503	-19.954	87.125	1.00	0.00	N
ATOM	866	C2	A B	10	31.423	-21.130	87.741	1.00	0.00	C
ATOM	867	N3	A B	10	31.268	-21.395	89.020	1.00	0.00	N
ATOM	868	C4	A B	10	31.195	-20.254	89.727	1.00	0.00	C
ATOM	869	C5	A B	10	31.260	-18.974	89.250	1.00	0.00	C
ATOM	870	C6	A B	10	31.425	-18.832	87.857	1.00	0.00	C
ATOM	871	N6	A B	10	31.505	-17.636	87.246	1.00	0.00	N
ATOM	872	N7	A B	10	31.146	-18.052	90.276	1.00	0.00	N
ATOM	873	C8	A B	10	31.021	-18.786	91.341	1.00	0.00	C
ATOM	874	N9	A B	10	31.038	-20.133	91.086	1.00	0.00	N
ATOM	875	C2'	A B	10	31.618	-21.000	93.381	1.00	0.00	C
ATOM	876	C3'	A B	10	30.688	-21.685	94.370	1.00	0.00	C
ATOM	877	O3'	A B	10	31.007	-23.072	94.430	1.00	0.00	O
ATOM	878	C4'	A B	10	29.307	-21.437	93.763	1.00	0.00	C
ATOM	879	O4'	A B	10	29.540	-21.450	92.318	1.00	0.00	O
ATOM	880	C5'	A B	10	28.635	-20.137	94.133	1.00	0.00	C
ATOM	881	O5'	A B	10	29.627	-19.083	94.235	1.00	0.00	O
ATOM	882	O1P	A B	10	29.587	-18.481	96.679	1.00	0.00	O
ATOM	883	O2P	A B	10	30.271	-16.770	94.976	1.00	0.00	O
ATOM	884	P	A B	10	29.417	-17.932	95.320	1.00	0.00	P
ATOM	885	H2	A B	10	31.497	-22.001	87.090	1.00	0.00	H
ATOM	886	H8	A B	10	30.912	-18.370	92.343	1.00	0.00	H
ATOM	887	H1'	A B	10	31.298	-22.159	91.578	1.00	0.00	H
ATOM	888	H3'	A B	10	30.762	-21.252	95.367	1.00	0.00	H
ATOM	889	H4'	A B	10	28.664	-22.251	94.097	1.00	0.00	H
ATOM	890	H61	A B	10	31.623	-17.589	86.225	1.00	0.00	H
ATOM	891	H62	A B	10	31.448	-16.771	87.801	1.00	0.00	H
ATOM	892	H2'1	A B	10	31.716	-19.938	93.600	1.00	0.00	H
ATOM	893	H2'2	A B	10	32.618	-21.436	93.412	1.00	0.00	H
ATOM	894	H5'1	A B	10	27.904	-19.880	93.366	1.00	0.00	H
ATOM	895	H5'2	A B	10	28.126	-20.255	95.088	1.00	0.00	H
ATOM	896	C1'	G B	11	34.316	-24.167	89.905	1.00	0.00	C
ATOM	897	N1	G B	11	34.891	-20.216	86.730	1.00	0.00	N
ATOM	898	C2	G B	11	34.838	-21.572	86.460	1.00	0.00	C
ATOM	899	N2	G B	11	34.956	-21.921	85.173	1.00	0.00	N
ATOM	900	N3	G B	11	34.680	-22.504	87.398	1.00	0.00	N
ATOM	901	C4	G B	11	34.584	-21.970	88.644	1.00	0.00	C
ATOM	902	C5	G B	11	34.630	-20.636	89.009	1.00	0.00	C
ATOM	903	C6	G B	11	34.794	-19.645	88.013	1.00	0.00	C
ATOM	904	O6	G B	11	34.859	-18.421	88.138	1.00	0.00	O
ATOM	905	N7	G B	11	34.496	-20.508	90.393	1.00	0.00	N
ATOM	906	C8	G B	11	34.374	-21.740	90.814	1.00	0.00	C
ATOM	907	N9	G B	11	34.419	-22.686	89.810	1.00	0.00	N
ATOM	908	C2'	G B	11	35.008	-24.753	91.128	1.00	0.00	C
ATOM	909	C3'	G B	11	34.087	-25.906	91.493	1.00	0.00	C
ATOM	910	O3'	G B	11	34.434	-27.047	90.712	1.00	0.00	O
ATOM	911	C4'	G B	11	32.704	-25.362	91.137	1.00	0.00	C
ATOM	912	O4'	G B	11	32.943	-24.500	89.979	1.00	0.00	O
ATOM	913	C5'	G B	11	32.006	-24.554	92.205	1.00	0.00	C
ATOM	914	O5'	G B	11	32.976	-23.763	92.934	1.00	0.00	O

ATOM	915	O1P	G B	11	32.915	-24.751	95.248	1.00	0.00	O
ATOM	916	O2P	G B	11	33.571	-22.352	94.926	1.00	0.00	O
ATOM	917	P	G B	11	32.739	-23.499	94.490	1.00	0.00	P
ATOM	918	H1	G B	11	35.010	-19.576	85.930	1.00	0.00	H
ATOM	919	H8	G B	11	34.249	-21.998	91.865	1.00	0.00	H
ATOM	920	H1'	G B	11	34.716	-24.597	88.986	1.00	0.00	H
ATOM	921	H21	G B	11	35.075	-21.195	84.452	1.00	0.00	H
ATOM	922	H3'	G B	11	34.149	-26.160	92.551	1.00	0.00	H
ATOM	923	H22	G B	11	34.929	-22.915	84.905	1.00	0.00	H
ATOM	924	H4'	G B	11	32.076	-26.222	90.905	1.00	0.00	H
ATOM	925	H2'1	G B	11	35.085	-24.033	91.944	1.00	0.00	H
ATOM	926	H2'2	G B	11	36.015	-25.104	90.905	1.00	0.00	H
ATOM	927	H5'1	G B	11	31.273	-23.898	91.735	1.00	0.00	H
ATOM	928	H5'2	G B	11	31.494	-25.232	92.888	1.00	0.00	H
ATOM	929	C1'	G B	12	37.779	-25.226	86.527	1.00	0.00	C
ATOM	930	N1	G B	12	38.287	-20.155	86.288	1.00	0.00	N
ATOM	931	C2	G B	12	38.263	-21.095	85.272	1.00	0.00	C
ATOM	932	N2	G B	12	38.393	-20.620	84.026	1.00	0.00	N
ATOM	933	N3	G B	12	38.119	-22.402	85.482	1.00	0.00	N
ATOM	934	C4	G B	12	38.009	-22.704	86.802	1.00	0.00	C
ATOM	935	C5	G B	12	38.025	-21.838	87.881	1.00	0.00	C
ATOM	936	C6	G B	12	38.173	-20.450	87.660	1.00	0.00	C
ATOM	937	O6	G B	12	38.213	-19.532	88.480	1.00	0.00	O
ATOM	938	N7	G B	12	37.884	-22.550	89.074	1.00	0.00	N
ATOM	939	C8	G B	12	37.784	-23.795	88.689	1.00	0.00	C
ATOM	940	N9	G B	12	37.853	-23.970	87.322	1.00	0.00	N
ATOM	941	C2'	G B	12	38.478	-26.409	87.184	1.00	0.00	C
ATOM	942	C3'	G B	12	37.579	-27.570	86.787	1.00	0.00	C
ATOM	943	O3'	G B	12	37.953	-28.029	85.490	1.00	0.00	O
ATOM	944	C4'	G B	12	36.187	-26.940	86.798	1.00	0.00	C
ATOM	945	O4'	G B	12	36.414	-25.559	86.371	1.00	0.00	O
ATOM	946	C5'	G B	12	35.468	-26.923	88.126	1.00	0.00	C
ATOM	947	O5'	G B	12	36.419	-26.697	89.196	1.00	0.00	O
ATOM	948	O1P	G B	12	36.369	-28.858	90.486	1.00	0.00	O
ATOM	949	O2P	G B	12	36.978	-26.718	91.646	1.00	0.00	O
ATOM	950	P	G B	12	36.170	-27.401	90.606	1.00	0.00	P
ATOM	951	H1	G B	12	38.396	-19.165	86.018	1.00	0.00	H
ATOM	952	H8	G B	12	37.659	-24.625	89.386	1.00	0.00	H
ATOM	953	H1'	G B	12	38.192	-25.028	85.538	1.00	0.00	H
ATOM	954	H21	G B	12	38.500	-19.607	83.872	1.00	0.00	H
ATOM	955	H3'	G B	12	37.642	-28.396	87.495	1.00	0.00	H
ATOM	956	H22	G B	12	38.387	-21.268	83.227	1.00	0.00	H
ATOM	957	H4'	G B	12	35.577	-27.507	86.096	1.00	0.00	H
ATOM	958	H2'1	G B	12	38.537	-26.305	88.267	1.00	0.00	H
ATOM	959	H2'2	G B	12	39.493	-26.548	86.813	1.00	0.00	H
ATOM	960	H5'1	G B	12	34.724	-26.127	88.120	1.00	0.00	H
ATOM	961	H5'2	G B	12	34.968	-27.881	88.274	1.00	0.00	H
ATOM	962	C1'	T B	13	41.275	-24.073	83.219	1.00	0.00	C
ATOM	963	N1	T B	13	41.322	-23.496	84.588	1.00	0.00	N
ATOM	964	C2	T B	13	41.461	-22.126	84.692	1.00	0.00	C
ATOM	965	O2	T B	13	41.544	-21.397	83.718	1.00	0.00	O
ATOM	966	N3	T B	13	41.499	-21.633	85.982	1.00	0.00	N
ATOM	967	C4	T B	13	41.417	-22.369	87.146	1.00	0.00	C
ATOM	968	O4	T B	13	41.467	-21.814	88.250	1.00	0.00	O

ATOM	969	C5	T B	13	41.273	-23.790	86.938	1.00	0.00	C
ATOM	970	C6	T B	13	41.231	-24.306	85.693	1.00	0.00	C
ATOM	971	C7	T B	13	41.177	-24.630	88.176	1.00	0.00	C
ATOM	972	C2'	T B	13	41.996	-25.409	83.089	1.00	0.00	C
ATOM	973	C3'	T B	13	41.120	-26.146	82.088	1.00	0.00	C
ATOM	974	O3'	T B	13	41.506	-25.776	80.766	1.00	0.00	O
ATOM	975	C4'	T B	13	39.717	-25.657	82.439	1.00	0.00	C
ATOM	976	O4'	T B	13	39.917	-24.277	82.882	1.00	0.00	O
ATOM	977	C5'	T B	13	38.994	-26.415	83.529	1.00	0.00	C
ATOM	978	O5'	T B	13	39.940	-26.828	84.548	1.00	0.00	O
ATOM	979	O1P	T B	13	39.930	-29.337	84.369	1.00	0.00	O
ATOM	980	O2P	T B	13	40.495	-28.237	86.553	1.00	0.00	O
ATOM	981	P	T B	13	39.702	-28.213	85.299	1.00	0.00	P
ATOM	982	H3	T B	13	41.599	-20.613	86.086	1.00	0.00	H
ATOM	983	H6	T B	13	41.122	-25.383	85.561	1.00	0.00	H
ATOM	984	H1'	T B	13	41.686	-23.339	82.524	1.00	0.00	H
ATOM	985	H3'	T B	13	41.199	-27.228	82.197	1.00	0.00	H
ATOM	986	H4'	T B	13	39.119	-25.732	81.531	1.00	0.00	H
ATOM	987	H71	T B	13	42.050	-25.277	88.247	1.00	0.00	H
ATOM	988	H72	T B	13	41.134	-23.982	89.053	1.00	0.00	H
ATOM	989	H73	T B	13	40.274	-25.242	88.133	1.00	0.00	H
ATOM	990	H2'1	T B	13	42.051	-25.942	84.037	1.00	0.00	H
ATOM	991	H2'2	T B	13	43.015	-25.295	82.717	1.00	0.00	H
ATOM	992	H5'1	T B	13	38.234	-25.770	83.970	1.00	0.00	H
ATOM	993	H5'2	T B	13	38.514	-27.291	83.097	1.00	0.00	H
ATOM	994	C1'	G B	14	44.764	-21.108	81.297	1.00	0.00	C
ATOM	995	N1	G B	14	45.071	-19.304	86.059	1.00	0.00	N
ATOM	996	C2	G B	14	45.079	-18.628	84.852	1.00	0.00	C
ATOM	997	N2	G B	14	45.185	-17.296	84.921	1.00	0.00	N
ATOM	998	N3	G B	14	44.988	-19.235	83.669	1.00	0.00	N
ATOM	999	C4	G B	14	44.894	-20.586	83.787	1.00	0.00	C
ATOM	1000	C5	G B	14	44.883	-21.344	84.945	1.00	0.00	C
ATOM	1001	C6	G B	14	44.976	-20.701	86.201	1.00	0.00	C
ATOM	1002	O6	G B	14	44.983	-21.198	87.328	1.00	0.00	O
ATOM	1003	N7	G B	14	44.775	-22.701	84.633	1.00	0.00	N
ATOM	1004	C8	G B	14	44.723	-22.721	83.325	1.00	0.00	C
ATOM	1005	N9	G B	14	44.791	-21.474	82.739	1.00	0.00	N
ATOM	1006	C2'	G B	14	45.511	-22.086	80.401	1.00	0.00	C
ATOM	1007	C3'	G B	14	44.657	-22.083	79.143	1.00	0.00	C
ATOM	1008	O3'	G B	14	45.042	-20.985	78.319	1.00	0.00	O
ATOM	1009	C4'	G B	14	43.241	-21.922	79.696	1.00	0.00	C
ATOM	1010	O4'	G B	14	43.411	-21.084	80.883	1.00	0.00	O
ATOM	1011	C5'	G B	14	42.528	-23.191	80.096	1.00	0.00	C
ATOM	1012	O5'	G B	14	43.475	-24.123	80.677	1.00	0.00	O
ATOM	1013	O1P	G B	14	43.515	-26.019	79.021	1.00	0.00	O
ATOM	1014	O2P	G B	14	44.045	-26.450	81.435	1.00	0.00	O
ATOM	1015	P	G B	14	43.260	-25.685	80.436	1.00	0.00	P
ATOM	1016	H1	G B	14	45.140	-18.740	86.920	1.00	0.00	H
ATOM	1017	H8	G B	14	44.634	-23.643	82.750	1.00	0.00	H
ATOM	1018	H1'	G B	14	45.163	-20.099	81.192	1.00	0.00	H
ATOM	1019	H21	G B	14	45.252	-16.834	85.841	1.00	0.00	H
ATOM	1020	H3'	G B	14	44.755	-23.011	78.580	1.00	0.00	H
ATOM	1021	H22	G B	14	45.201	-16.735	84.058	1.00	0.00	H
ATOM	1022	H4'	G B	14	42.651	-21.440	78.917	1.00	0.00	H

ATOM	1023	H2'1	G B	14	45.571	-23.083	80.837	1.00	0.00	H
ATOM	1024	H2'2	G B	14	46.529	-21.760	80.190	1.00	0.00	H
ATOM	1025	H5'1	G B	14	41.754	-22.952	80.824	1.00	0.00	H
ATOM	1026	H5'2	G B	14	42.067	-23.635	79.214	1.00	0.00	H
ATOM	1027	C1'	C B	15	48.197	-17.545	81.517	1.00	0.00	C
ATOM	1028	N1	C B	15	48.226	-18.685	82.474	1.00	0.00	N
ATOM	1029	C2	C B	15	48.311	-18.394	83.834	1.00	0.00	C
ATOM	1030	O2	C B	15	48.358	-17.209	84.188	1.00	0.00	O
ATOM	1031	N3	C B	15	48.338	-19.417	84.722	1.00	0.00	N
ATOM	1032	C4	C B	15	48.286	-20.689	84.308	1.00	0.00	C
ATOM	1033	N4	C B	15	48.313	-21.650	85.219	1.00	0.00	N
ATOM	1034	C5	C B	15	48.204	-21.020	82.914	1.00	0.00	C
ATOM	1035	C6	C B	15	48.172	-19.973	82.040	1.00	0.00	C
ATOM	1036	C2'	C B	15	48.972	-17.803	80.233	1.00	0.00	C
ATOM	1037	C3'	C B	15	48.123	-17.079	79.199	1.00	0.00	C
ATOM	1038	O3'	C B	15	48.486	-15.700	79.176	1.00	0.00	O
ATOM	1039	C4'	C B	15	46.702	-17.293	79.716	1.00	0.00	C
ATOM	1040	O4'	C B	15	46.846	-17.307	81.172	1.00	0.00	O
ATOM	1041	C5'	C B	15	46.017	-18.571	79.287	1.00	0.00	C
ATOM	1042	O5'	C B	15	46.983	-19.649	79.229	1.00	0.00	O
ATOM	1043	O1P	C B	15	47.076	-20.219	76.779	1.00	0.00	O
ATOM	1044	O2P	C B	15	47.604	-21.972	78.495	1.00	0.00	O
ATOM	1045	P	C B	15	46.806	-20.780	78.119	1.00	0.00	P
ATOM	1046	H5	C B	15	48.168	-22.054	82.573	1.00	0.00	H
ATOM	1047	H6	C B	15	48.103	-20.173	80.969	1.00	0.00	H
ATOM	1048	H1'	C B	15	48.574	-16.660	82.030	1.00	0.00	H
ATOM	1049	H3'	C B	15	48.246	-17.501	78.202	1.00	0.00	H
ATOM	1050	H4'	C B	15	46.103	-16.457	79.354	1.00	0.00	H
ATOM	1051	H41	C B	15	48.271	-22.638	84.928	1.00	0.00	H
ATOM	1052	H42	C B	15	48.375	-21.411	86.220	1.00	0.00	H
ATOM	1053	H2'1	C B	15	49.054	-18.865	80.005	1.00	0.00	H
ATOM	1054	H2'2	C B	15	49.983	-17.398	80.270	1.00	0.00	H
ATOM	1055	H5'1	C B	15	45.233	-18.815	80.004	1.00	0.00	H
ATOM	1056	H5'2	C B	15	45.571	-18.423	78.304	1.00	0.00	H
ATOM	1057	C1'	G B	16	51.557	-14.746	83.840	1.00	0.00	C
ATOM	1058	N1	G B	16	51.816	-18.711	87.040	1.00	0.00	N
ATOM	1059	C2	G B	16	51.792	-17.354	87.307	1.00	0.00	C
ATOM	1060	N2	G B	16	51.846	-17.007	88.600	1.00	0.00	N
ATOM	1061	N3	G B	16	51.719	-16.418	86.362	1.00	0.00	N
ATOM	1062	C4	G B	16	51.679	-16.949	85.112	1.00	0.00	C
ATOM	1063	C5	G B	16	51.703	-18.285	84.750	1.00	0.00	C
ATOM	1064	C6	G B	16	51.776	-19.280	85.753	1.00	0.00	C
ATOM	1065	O6	G B	16	51.807	-20.505	85.630	1.00	0.00	O
ATOM	1066	N7	G B	16	51.646	-18.410	83.360	1.00	0.00	N
ATOM	1067	C8	G B	16	51.589	-17.174	82.934	1.00	0.00	C
ATOM	1068	N9	G B	16	51.606	-16.229	83.939	1.00	0.00	N
ATOM	1069	C2'	G B	16	52.338	-14.184	82.660	1.00	0.00	C
ATOM	1070	C3'	G B	16	51.478	-13.002	82.243	1.00	0.00	C
ATOM	1071	O3'	G B	16	51.817	-11.872	83.044	1.00	0.00	O
ATOM	1072	C4'	G B	16	50.060	-13.500	82.517	1.00	0.00	C
ATOM	1073	O4'	G B	16	50.203	-14.368	83.686	1.00	0.00	O
ATOM	1074	C5'	G B	16	49.400	-14.286	81.409	1.00	0.00	C
ATOM	1075	O5'	G B	16	50.384	-15.109	80.737	1.00	0.00	O
ATOM	1076	O1P	G B	16	50.491	-14.121	78.425	1.00	0.00	O



ATOM	1077	O2P	G B	16	51.049	-16.541	78.782	1.00	0.00	O
ATOM	1078	P	G B	16	50.230	-15.367	79.170	1.00	0.00	P
ATOM	1079	H1	G B	16	51.867	-19.353	87.844	1.00	0.00	H
ATOM	1080	H8	G B	16	51.533	-16.914	81.877	1.00	0.00	H
ATOM	1081	H1'	G B	16	51.917	-14.329	84.781	1.00	0.00	H
ATOM	1082	H21	G B	16	51.899	-17.736	89.326	1.00	0.00	H
ATOM	1083	H3'	G B	16	51.610	-12.751	81.191	1.00	0.00	H
ATOM	1084	H22	G B	16	51.835	-16.012	88.865	1.00	0.00	H
ATOM	1085	H4'	G B	16	49.448	-12.620	82.712	1.00	0.00	H
ATOM	1086	H2'1	G B	16	52.439	-14.907	81.850	1.00	0.00	H
ATOM	1087	H2'2	G B	16	53.342	-13.866	82.942	1.00	0.00	H
ATOM	1088	H5'1	G B	16	48.619	-14.917	81.834	1.00	0.00	H
ATOM	1089	H5'2	G B	16	48.952	-13.592	80.698	1.00	0.00	H
ATOM	1090	C1'	G B	17	54.850	-13.797	87.416	1.00	0.00	C
ATOM	1091	N1	G B	17	55.176	-18.882	87.679	1.00	0.00	N
ATOM	1092	C2	G B	17	55.124	-17.941	88.693	1.00	0.00	C
ATOM	1093	N2	G B	17	55.165	-18.419	89.943	1.00	0.00	N
ATOM	1094	N3	G B	17	55.036	-16.631	88.477	1.00	0.00	N
ATOM	1095	C4	G B	17	55.012	-16.327	87.153	1.00	0.00	C
ATOM	1096	C5	G B	17	55.064	-17.194	86.075	1.00	0.00	C
ATOM	1097	C6	G B	17	55.153	-18.585	86.304	1.00	0.00	C
ATOM	1098	O6	G B	17	55.209	-19.504	85.486	1.00	0.00	O
ATOM	1099	N7	G B	17	55.015	-16.479	84.876	1.00	0.00	N
ATOM	1100	C8	G B	17	54.935	-15.230	85.256	1.00	0.00	C
ATOM	1101	N9	G B	17	54.928	-15.056	86.625	1.00	0.00	N
ATOM	1102	C2'	G B	17	55.624	-12.639	86.802	1.00	0.00	C
ATOM	1103	C3'	G B	17	54.742	-11.449	87.147	1.00	0.00	C
ATOM	1104	O3'	G B	17	55.054	-11.001	88.464	1.00	0.00	O
ATOM	1105	C4'	G B	17	53.333	-12.033	87.054	1.00	0.00	C
ATOM	1106	O4'	G B	17	53.489	-13.420	87.492	1.00	0.00	O
ATOM	1107	C5'	G B	17	52.693	-12.027	85.686	1.00	0.00	C
ATOM	1108	O5'	G B	17	53.697	-12.286	84.674	1.00	0.00	O
ATOM	1109	O1P	G B	17	53.793	-10.125	83.385	1.00	0.00	O
ATOM	1110	O2P	G B	17	54.398	-12.285	82.260	1.00	0.00	O
ATOM	1111	P	G B	17	53.554	-11.575	83.252	1.00	0.00	P
ATOM	1112	H1	G B	17	55.238	-19.875	87.954	1.00	0.00	H
ATOM	1113	H8	G B	17	54.878	-14.399	84.554	1.00	0.00	H
ATOM	1114	H1'	G B	17	55.197	-14.008	88.427	1.00	0.00	H
ATOM	1115	H21	G B	17	55.230	-19.435	90.103	1.00	0.00	H
ATOM	1116	H3'	G B	17	54.873	-10.626	86.445	1.00	0.00	H
ATOM	1117	H22	G B	17	55.133	-17.771	90.742	1.00	0.00	H
ATOM	1118	H4'	G B	17	52.702	-11.445	87.719	1.00	0.00	H
ATOM	1119	H2'1	G B	17	55.743	-12.745	85.724	1.00	0.00	H
ATOM	1120	H2'2	G B	17	56.620	-12.533	87.232	1.00	0.00	H
ATOM	1121	H5'1	G B	17	51.924	-12.798	85.648	1.00	0.00	H
ATOM	1122	H5'2	G B	17	52.234	-11.054	85.510	1.00	0.00	H
ATOM	1123	C1'	C B	18	58.108	-15.085	90.917	1.00	0.00	C
ATOM	1124	N1	C B	18	58.214	-15.643	89.540	1.00	0.00	N
ATOM	1125	C2	C B	18	58.315	-17.026	89.405	1.00	0.00	C
ATOM	1126	O2	C B	18	58.311	-17.729	90.423	1.00	0.00	O
ATOM	1127	N3	C B	18	58.414	-17.553	88.161	1.00	0.00	N
ATOM	1128	C4	C B	18	58.414	-16.766	87.077	1.00	0.00	C
ATOM	1129	N4	C B	18	58.511	-17.337	85.885	1.00	0.00	N
ATOM	1130	C5	C B	18	58.315	-15.342	87.189	1.00	0.00	C

ATOM	1131	C6	C B	18	58.215	-14.833	88.450	1.00	0.00	C
ATOM	1132	C2'	C B	18	58.865	-13.778	91.110	1.00	0.00	C
ATOM	1133	C3'	C B	18	57.958	-13.024	92.070	1.00	0.00	C
ATOM	1134	O3'	C B	18	58.253	-13.428	93.405	1.00	0.00	O
ATOM	1135	C4'	C B	18	56.562	-13.459	91.630	1.00	0.00	C
ATOM	1136	O4'	C B	18	56.739	-14.839	91.176	1.00	0.00	O
ATOM	1137	C5'	C B	18	55.930	-12.661	90.514	1.00	0.00	C
ATOM	1138	O5'	C B	18	56.947	-12.267	89.558	1.00	0.00	O
ATOM	1139	O1P	C B	18	57.012	-9.760	89.775	1.00	0.00	O
ATOM	1140	O2P	C B	18	57.665	-10.848	87.611	1.00	0.00	O
ATOM	1141	P	C B	18	56.801	-10.863	88.816	1.00	0.00	P
ATOM	1142	H5	C B	18	58.319	-14.697	86.310	1.00	0.00	H
ATOM	1143	H6	C B	18	58.133	-13.755	88.584	1.00	0.00	H
ATOM	1144	H1'	C B	18	58.452	-15.843	91.620	1.00	0.00	H
ATOM	1145	H3'	C B	18	58.079	-11.945	91.983	1.00	0.00	H
ATOM	1146	H4'	C B	18	55.914	-13.377	92.503	1.00	0.00	H
ATOM	1147	H41	C B	18	58.512	-16.754	85.034	1.00	0.00	H
ATOM	1148	H42	C B	18	58.582	-18.361	85.808	1.00	0.00	H
ATOM	1149	H2'1	C B	18	58.994	-13.233	90.175	1.00	0.00	H
ATOM	1150	H2'2	C B	18	59.856	-13.934	91.537	1.00	0.00	H
ATOM	1151	H5'1	C B	18	55.176	-13.273	90.017	1.00	0.00	H
ATOM	1152	H5'2	C B	18	55.455	-11.775	90.931	1.00	0.00	H
ATOM	1153	C1'	C B	19	61.378	-18.137	93.043	1.00	0.00	C
ATOM	1154	N1	C B	19	61.501	-17.779	91.603	1.00	0.00	N
ATOM	1155	C2	C B	19	61.630	-18.817	90.681	1.00	0.00	C
ATOM	1156	O2	C B	19	61.636	-19.984	91.093	1.00	0.00	O
ATOM	1157	N3	C B	19	61.744	-18.512	89.366	1.00	0.00	N
ATOM	1158	C4	C B	19	61.733	-17.237	88.953	1.00	0.00	C
ATOM	1159	N4	C B	19	61.846	-16.996	87.656	1.00	0.00	N
ATOM	1160	C5	C B	19	61.604	-16.153	89.878	1.00	0.00	C
ATOM	1161	C6	C B	19	61.490	-16.484	91.196	1.00	0.00	C
ATOM	1162	C2'	C B	19	62.108	-17.182	93.976	1.00	0.00	C
ATOM	1163	C3'	C B	19	61.181	-17.150	95.183	1.00	0.00	C
ATOM	1164	O3'	C B	19	61.478	-18.256	96.032	1.00	0.00	O
ATOM	1165	C4'	C B	19	59.796	-17.263	94.551	1.00	0.00	C
ATOM	1166	O4'	C B	19	60.003	-18.110	93.376	1.00	0.00	O
ATOM	1167	C5'	C B	19	59.153	-15.969	94.105	1.00	0.00	C
ATOM	1168	O5'	C B	19	60.166	-15.075	93.579	1.00	0.00	O
ATOM	1169	O1P	C B	19	60.178	-13.175	95.230	1.00	0.00	O
ATOM	1170	O2P	C B	19	60.862	-12.774	92.849	1.00	0.00	O
ATOM	1171	P	C B	19	59.994	-13.506	93.803	1.00	0.00	P
ATOM	1172	H5	C B	19	61.598	-15.115	89.547	1.00	0.00	H
ATOM	1173	H6	C B	19	61.387	-15.691	91.938	1.00	0.00	H
ATOM	1174	H1'	C B	19	61.735	-19.159	93.171	1.00	0.00	H
ATOM	1175	H3'	C B	19	61.281	-16.223	95.748	1.00	0.00	H
ATOM	1176	H4'	C B	19	59.143	-17.719	95.296	1.00	0.00	H
ATOM	1177	H41	C B	19	61.840	-16.026	87.309	1.00	0.00	H
ATOM	1178	H42	C B	19	61.940	-17.780	86.992	1.00	0.00	H
ATOM	1179	H2'1	C B	19	62.229	-16.190	93.543	1.00	0.00	H
ATOM	1180	H2'2	C B	19	63.099	-17.546	94.247	1.00	0.00	H
ATOM	1181	H5'1	C B	19	58.414	-16.184	93.335	1.00	0.00	H
ATOM	1182	H5'2	C B	19	58.658	-15.505	94.958	1.00	0.00	H
ATOM	1183	C1'	T B	20	64.698	-21.808	93.043	1.00	0.00	C
ATOM	1184	N1	T B	20	64.822	-20.687	92.074	1.00	0.00	N

ATOM	1185	C2	T B	20	64.975	-21.018	90.743	1.00	0.00	C
ATOM	1186	O2	T B	20	65.010	-22.171	90.350	1.00	0.00	O
ATOM	1187	N3	T B	20	65.087	-19.946	89.879	1.00	0.00	N
ATOM	1188	C4	T B	20	65.061	-18.611	90.218	1.00	0.00	C
ATOM	1189	O4	T B	20	65.173	-17.735	89.350	1.00	0.00	O
ATOM	1190	C5	T B	20	64.897	-18.363	91.630	1.00	0.00	C
ATOM	1191	C6	T B	20	64.785	-19.383	92.503	1.00	0.00	C
ATOM	1192	C7	T B	20	64.863	-16.922	92.045	1.00	0.00	C
ATOM	1193	C2'	T B	20	65.402	-21.554	94.370	1.00	0.00	C
ATOM	1194	C3'	T B	20	64.469	-22.234	95.360	1.00	0.00	C
ATOM	1195	O3'	T B	20	64.785	-23.623	95.424	1.00	0.00	O
ATOM	1196	C4'	T B	20	63.090	-21.982	94.755	1.00	0.00	C
ATOM	1197	O4'	T B	20	63.322	-21.998	93.310	1.00	0.00	O
ATOM	1198	C5'	T B	20	62.422	-20.678	95.123	1.00	0.00	C
ATOM	1199	O5'	T B	20	63.419	-19.628	95.223	1.00	0.00	O
ATOM	1200	O1P	T B	20	63.383	-19.023	97.666	1.00	0.00	O
ATOM	1201	O2P	T B	20	64.071	-17.317	95.959	1.00	0.00	O
ATOM	1202	P	T B	20	63.213	-18.476	96.305	1.00	0.00	P
ATOM	1203	H3	T B	20	65.201	-20.166	88.880	1.00	0.00	H
ATOM	1204	H6	T B	20	64.662	-19.171	93.565	1.00	0.00	H
ATOM	1205	H1'	T B	20	65.075	-22.714	92.568	1.00	0.00	H
ATOM	1206	H3'	T B	20	64.547	-21.800	96.356	1.00	0.00	H
ATOM	1207	H4'	T B	20	62.443	-22.793	95.092	1.00	0.00	H
ATOM	1208	H3T	T B	20	65.706	-23.823	95.603	1.00	0.00	H
ATOM	1209	H71	T B	20	65.735	-16.699	92.659	1.00	0.00	H
ATOM	1210	H72	T B	20	64.871	-16.288	91.157	1.00	0.00	H
ATOM	1211	H73	T B	20	63.956	-16.729	92.618	1.00	0.00	H
ATOM	1212	H2'1	T B	20	65.504	-20.492	94.586	1.00	0.00	H
ATOM	1213	H2'2	T B	20	66.400	-21.992	94.399	1.00	0.00	H
ATOM	1214	H5'1	T B	20	61.691	-20.420	94.357	1.00	0.00	H
ATOM	1215	H5'2	T B	20	61.914	-20.794	96.079	1.00	0.00	H
TER										
ATOM	1	C1'	A A	1	47.856	-24.658	120.362	1.00	0.00	C
ATOM	2	N1	A A	1	47.531	-19.735	121.773	1.00	0.00	N
ATOM	3	C2	A A	1	47.010	-20.850	122.276	1.00	0.00	C
ATOM	4	N3	A A	1	47.137	-22.093	121.863	1.00	0.00	N
ATOM	5	C4	A A	1	47.917	-22.142	120.769	1.00	0.00	C
ATOM	6	C5	A A	1	48.523	-21.096	120.131	1.00	0.00	C
ATOM	7	C6	A A	1	48.306	-19.815	120.681	1.00	0.00	C
ATOM	8	N6	A A	1	48.837	-18.694	120.163	1.00	0.00	N
ATOM	9	N7	A A	1	49.250	-21.532	119.036	1.00	0.00	N
ATOM	10	C8	A A	1	49.067	-22.819	119.035	1.00	0.00	C
ATOM	11	N9	A A	1	48.270	-23.263	120.056	1.00	0.00	N
ATOM	12	C2'	A A	1	47.575	-25.499	119.124	1.00	0.00	C
ATOM	13	C3'	A A	1	48.072	-26.870	119.554	1.00	0.00	C
ATOM	14	O3'	A A	1	47.041	-27.536	120.279	1.00	0.00	O
ATOM	15	C4'	A A	1	49.274	-26.536	120.437	1.00	0.00	C
ATOM	16	O4'	A A	1	48.907	-25.273	121.080	1.00	0.00	O
ATOM	17	C5'	A A	1	50.595	-26.352	119.729	1.00	0.00	C
ATOM	18	O5'	A A	1	50.381	-25.706	118.449	1.00	0.00	O
ATOM	19	H2	A A	1	46.387	-20.715	123.161	1.00	0.00	H
ATOM	20	H8	A A	1	49.507	-23.483	118.289	1.00	0.00	H
ATOM	21	H1'	A A	1	46.983	-24.619	121.014	1.00	0.00	H
ATOM	22	H3'	A A	1	48.369	-27.484	118.702	1.00	0.00	H

ATOM	23	H4'	A A	1	49.385	-27.357	121.144	1.00	0.00	H
ATOM	24	H61	A A	1	48.649	-17.786	120.603	1.00	0.00	H
ATOM	25	H62	A A	1	49.433	-18.750	119.324	1.00	0.00	H
ATOM	26	H5T	A A	1	50.948	-25.943	117.712	1.00	0.00	H
ATOM	27	H2'1	A A	1	48.114	-25.140	118.248	1.00	0.00	H
ATOM	28	H2'2	A A	1	46.516	-25.524	118.872	1.00	0.00	H
ATOM	29	H5'1	A A	1	51.250	-25.737	120.347	1.00	0.00	H
ATOM	30	H5'2	A A	1	51.058	-27.326	119.577	1.00	0.00	H
ATOM	31	C1'	G A	2	43.187	-23.538	121.628	1.00	0.00	C
ATOM	32	N1	G A	2	44.561	-18.794	120.359	1.00	0.00	N
ATOM	33	C2	G A	2	43.816	-19.243	121.432	1.00	0.00	C
ATOM	34	N2	G A	2	43.377	-18.306	122.279	1.00	0.00	N
ATOM	35	N3	G A	2	43.532	-20.527	121.644	1.00	0.00	N
ATOM	36	C4	G A	2	44.051	-21.337	120.685	1.00	0.00	C
ATOM	37	C5	G A	2	44.803	-20.977	119.577	1.00	0.00	C
ATOM	38	C6	G A	2	45.108	-19.613	119.356	1.00	0.00	C
ATOM	39	O6	G A	2	45.758	-19.102	118.442	1.00	0.00	O
ATOM	40	N7	G A	2	45.143	-22.110	118.835	1.00	0.00	N
ATOM	41	C8	G A	2	44.602	-23.098	119.501	1.00	0.00	C
ATOM	42	N9	G A	2	43.921	-22.707	120.636	1.00	0.00	N
ATOM	43	C2'	G A	2	42.431	-24.707	121.010	1.00	0.00	C
ATOM	44	C3'	G A	2	42.583	-25.783	122.073	1.00	0.00	C
ATOM	45	O3'	G A	2	41.570	-25.611	123.061	1.00	0.00	O
ATOM	46	C4'	G A	2	43.982	-25.515	122.628	1.00	0.00	C
ATOM	47	O4'	G A	2	44.135	-24.064	122.537	1.00	0.00	O
ATOM	48	C5'	G A	2	45.130	-26.171	121.897	1.00	0.00	C
ATOM	49	O5'	G A	2	44.861	-26.184	120.473	1.00	0.00	O
ATOM	50	O1P	G A	2	44.623	-28.634	119.949	1.00	0.00	O
ATOM	51	O2P	G A	2	45.391	-27.039	118.171	1.00	0.00	O
ATOM	52	P	G A	2	45.382	-27.416	119.605	1.00	0.00	P
ATOM	53	H1	G A	2	44.727	-17.779	120.288	1.00	0.00	H
ATOM	54	H8	G A	2	44.681	-24.138	119.188	1.00	0.00	H
ATOM	55	H1'	G A	2	42.512	-22.889	122.185	1.00	0.00	H
ATOM	56	H21	G A	2	43.602	-17.315	122.110	1.00	0.00	H
ATOM	57	H3'	G A	2	42.512	-26.786	121.653	1.00	0.00	H
ATOM	58	H22	G A	2	42.815	-18.576	123.098	1.00	0.00	H
ATOM	59	H4'	G A	2	43.989	-25.880	123.655	1.00	0.00	H
ATOM	60	H2'1	G A	2	42.865	-25.024	120.061	1.00	0.00	H
ATOM	61	H2'2	G A	2	41.382	-24.473	120.829	1.00	0.00	H
ATOM	62	H5'1	G A	2	46.045	-25.613	122.094	1.00	0.00	H
ATOM	63	H5'2	G A	2	45.248	-27.192	122.260	1.00	0.00	H
ATOM	64	C1'	G A	3	39.362	-20.459	122.271	1.00	0.00	C
ATOM	65	N1	G A	3	41.760	-17.652	118.752	1.00	0.00	N
ATOM	66	C2	G A	3	41.139	-17.263	119.923	1.00	0.00	C
ATOM	67	N2	G A	3	41.157	-15.952	120.193	1.00	0.00	N
ATOM	68	N3	G A	3	40.548	-18.113	120.760	1.00	0.00	N
ATOM	69	C4	G A	3	40.619	-19.399	120.326	1.00	0.00	C
ATOM	70	C5	G A	3	41.215	-19.879	119.171	1.00	0.00	C
ATOM	71	C6	G A	3	41.847	-18.976	118.285	1.00	0.00	C
ATOM	72	O6	G A	3	42.425	-19.207	117.222	1.00	0.00	O
ATOM	73	N7	G A	3	41.068	-21.265	119.093	1.00	0.00	N
ATOM	74	C8	G A	3	40.408	-21.575	120.177	1.00	0.00	C
ATOM	75	N9	G A	3	40.098	-20.495	120.978	1.00	0.00	N
ATOM	76	C2'	G A	3	38.201	-21.441	122.344	1.00	0.00	C

ATOM	77	C3'	G A	3	38.242	-21.874	123.800	1.00	0.00	C
ATOM	78	O3'	G A	3	37.530	-20.925	124.592	1.00	0.00	O
ATOM	79	C4'	G A	3	39.738	-21.878	124.112	1.00	0.00	C
ATOM	80	O4'	G A	3	40.278	-20.789	123.297	1.00	0.00	O
ATOM	81	C5'	G A	3	40.488	-23.146	123.782	1.00	0.00	C
ATOM	82	O5'	G A	3	39.958	-23.729	122.566	1.00	0.00	O
ATOM	83	O1P	G A	3	38.935	-25.890	123.353	1.00	0.00	O
ATOM	84	O2P	G A	3	39.767	-25.681	120.996	1.00	0.00	O
ATOM	85	P	G A	3	39.928	-25.318	122.425	1.00	0.00	P
ATOM	86	H1	G A	3	42.192	-16.914	118.176	1.00	0.00	H
ATOM	87	H8	G A	3	40.125	-22.597	120.429	1.00	0.00	H
ATOM	88	H1'	G A	3	39.022	-19.438	122.442	1.00	0.00	H
ATOM	89	H21	G A	3	41.619	-15.299	119.543	1.00	0.00	H
ATOM	90	H3'	G A	3	37.808	-22.863	123.946	1.00	0.00	H
ATOM	91	H22	G A	3	40.709	-15.597	121.049	1.00	0.00	H
ATOM	92	H4'	G A	3	39.840	-21.699	125.183	1.00	0.00	H
ATOM	93	H2'1	G A	3	38.335	-22.290	121.674	1.00	0.00	H
ATOM	94	H2'2	G A	3	37.247	-20.974	122.096	1.00	0.00	H
ATOM	95	H5'1	G A	3	41.545	-22.912	123.650	1.00	0.00	H
ATOM	96	H5'2	G A	3	40.380	-23.850	124.607	1.00	0.00	H
ATOM	97	C1'	C A	4	36.772	-16.334	121.369	1.00	0.00	C
ATOM	98	N1	C A	4	37.207	-17.215	120.249	1.00	0.00	N
ATOM	99	C2	C A	4	37.885	-16.626	119.184	1.00	0.00	C
ATOM	100	O2	C A	4	38.098	-15.407	119.210	1.00	0.00	O
ATOM	101	N3	C A	4	38.289	-17.410	118.155	1.00	0.00	N
ATOM	102	C4	C A	4	38.042	-18.727	118.155	1.00	0.00	C
ATOM	103	N4	C A	4	38.463	-19.446	117.124	1.00	0.00	N
ATOM	104	C5	C A	4	37.345	-19.356	119.236	1.00	0.00	C
ATOM	105	C6	C A	4	36.951	-18.549	120.263	1.00	0.00	C
ATOM	106	C2'	C A	4	35.416	-16.704	121.950	1.00	0.00	C
ATOM	107	C3'	C A	4	35.608	-16.399	123.428	1.00	0.00	C
ATOM	108	O3'	C A	4	35.362	-15.013	123.656	1.00	0.00	O
ATOM	109	C4'	C A	4	37.070	-16.772	123.664	1.00	0.00	C
ATOM	110	O4'	C A	4	37.735	-16.445	122.402	1.00	0.00	O
ATOM	111	C5'	C A	4	37.349	-18.219	123.994	1.00	0.00	C
ATOM	112	O5'	C A	4	36.449	-19.075	123.245	1.00	0.00	O
ATOM	113	O1P	C A	4	35.021	-20.127	125.029	1.00	0.00	O
ATOM	114	O2P	C A	4	35.412	-21.332	122.864	1.00	0.00	O
ATOM	115	P	C A	4	35.941	-20.430	123.916	1.00	0.00	P
ATOM	116	H5	C A	4	37.138	-20.427	119.238	1.00	0.00	H
ATOM	117	H6	C A	4	36.420	-18.983	121.110	1.00	0.00	H
ATOM	118	H1'	C A	4	36.779	-15.304	121.015	1.00	0.00	H
ATOM	119	H3'	C A	4	34.944	-16.991	124.056	1.00	0.00	H
ATOM	120	H4'	C A	4	37.421	-16.167	124.500	1.00	0.00	H
ATOM	121	H41	C A	4	38.288	-20.461	117.100	1.00	0.00	H
ATOM	122	H42	C A	4	38.962	-18.991	116.347	1.00	0.00	H
ATOM	123	H2'1	C A	4	35.169	-17.753	121.792	1.00	0.00	H
ATOM	124	H2'2	C A	4	34.606	-16.109	121.523	1.00	0.00	H
ATOM	125	H5'1	C A	4	38.381	-18.455	123.737	1.00	0.00	H
ATOM	126	H5'2	C A	4	37.201	-18.377	125.063	1.00	0.00	H
ATOM	127	C1'	C A	5	35.342	-12.503	118.576	1.00	0.00	C
ATOM	128	N1	C A	5	35.283	-13.891	118.042	1.00	0.00	N
ATOM	129	C2	C A	5	35.882	-14.141	116.810	1.00	0.00	C
ATOM	130	O2	C A	5	36.434	-13.208	116.212	1.00	0.00	O

ATOM	131	N3	C A	5	35.839	-15.399	116.306	1.00	0.00	N
ATOM	132	C4	C A	5	35.233	-16.388	116.973	1.00	0.00	C
ATOM	133	N4	C A	5	35.224	-17.598	116.437	1.00	0.00	N
ATOM	134	C5	C A	5	34.608	-16.159	118.243	1.00	0.00	C
ATOM	135	C6	C A	5	34.666	-14.886	118.731	1.00	0.00	C
ATOM	136	C2'	C A	5	34.074	-12.068	119.298	1.00	0.00	C
ATOM	137	C3'	C A	5	34.628	-11.198	120.415	1.00	0.00	C
ATOM	138	O3'	C A	5	34.835	-9.877	119.920	1.00	0.00	O
ATOM	139	C4'	C A	5	35.939	-11.893	120.770	1.00	0.00	C
ATOM	140	O4'	C A	5	36.414	-12.442	119.501	1.00	0.00	O
ATOM	141	C5'	C A	5	35.852	-13.015	121.779	1.00	0.00	C
ATOM	142	O5'	C A	5	34.619	-13.755	121.584	1.00	0.00	O
ATOM	143	O1P	C A	5	33.322	-13.290	123.690	1.00	0.00	O
ATOM	144	O2P	C A	5	32.930	-15.417	122.417	1.00	0.00	O
ATOM	145	P	C A	5	33.885	-14.371	122.858	1.00	0.00	P
ATOM	146	H5	C A	5	34.108	-16.959	118.789	1.00	0.00	H
ATOM	147	H6	C A	5	34.207	-14.663	119.695	1.00	0.00	H
ATOM	148	H1'	C A	5	35.573	-11.830	117.750	1.00	0.00	H
ATOM	149	H3'	C A	5	33.956	-11.159	121.273	1.00	0.00	H
ATOM	150	H4'	C A	5	36.602	-11.130	121.180	1.00	0.00	H
ATOM	151	H41	C A	5	34.766	-18.378	116.931	1.00	0.00	H
ATOM	152	H42	C A	5	35.674	-17.761	115.523	1.00	0.00	H
ATOM	153	H2'1	C A	5	33.514	-12.914	119.695	1.00	0.00	H
ATOM	154	H2'2	C A	5	33.402	-11.504	118.649	1.00	0.00	H
ATOM	155	H5'1	C A	5	36.706	-13.681	121.649	1.00	0.00	H
ATOM	156	H5'2	C A	5	35.875	-12.594	122.783	1.00	0.00	H
ATOM	157	C1'	G A	6	34.553	-10.190	114.269	1.00	0.00	C
ATOM	158	N1	G A	6	34.165	-14.936	112.439	1.00	0.00	N
ATOM	159	C2	G A	6	34.806	-13.830	111.909	1.00	0.00	C
ATOM	160	N2	G A	6	35.423	-14.011	110.736	1.00	0.00	N
ATOM	161	N3	G A	6	34.828	-12.638	112.504	1.00	0.00	N
ATOM	162	C4	G A	6	34.147	-12.635	113.679	1.00	0.00	C
ATOM	163	C5	G A	6	33.476	-13.686	114.282	1.00	0.00	C
ATOM	164	C6	G A	6	33.455	-14.952	113.654	1.00	0.00	C
ATOM	165	O6	G A	6	32.919	-15.995	114.028	1.00	0.00	O
ATOM	166	N7	G A	6	32.904	-13.267	115.484	1.00	0.00	N
ATOM	167	C8	G A	6	33.240	-12.007	115.574	1.00	0.00	C
ATOM	168	N9	G A	6	33.996	-11.548	114.513	1.00	0.00	N
ATOM	169	C2'	G A	6	33.630	-9.061	114.705	1.00	0.00	C
ATOM	170	C3'	G A	6	34.616	-8.022	115.211	1.00	0.00	C
ATOM	171	O3'	G A	6	35.090	-7.249	114.111	1.00	0.00	O
ATOM	172	C4'	G A	6	35.719	-8.875	115.836	1.00	0.00	C
ATOM	173	O4'	G A	6	35.756	-10.078	115.005	1.00	0.00	O
ATOM	174	C5'	G A	6	35.516	-9.286	117.274	1.00	0.00	C
ATOM	175	O5'	G A	6	34.112	-9.554	117.515	1.00	0.00	O
ATOM	176	O1P	G A	6	33.443	-7.743	119.130	1.00	0.00	O
ATOM	177	O2P	G A	6	32.216	-9.933	119.122	1.00	0.00	O
ATOM	178	P	G A	6	33.498	-9.206	118.946	1.00	0.00	P
ATOM	179	H1	G A	6	34.214	-15.816	111.902	1.00	0.00	H
ATOM	180	H8	G A	6	32.950	-11.371	116.410	1.00	0.00	H
ATOM	181	H1'	G A	6	34.798	-10.107	113.209	1.00	0.00	H
ATOM	182	H21	G A	6	35.405	-14.936	110.283	1.00	0.00	H
ATOM	183	H3'	G A	6	34.167	-7.356	115.951	1.00	0.00	H
ATOM	184	H22	G A	6	35.916	-13.226	110.286	1.00	0.00	H

ATOM	185	H4'	G A	6	36.638	-8.293	115.782	1.00	0.00	H
ATOM	186	H2'1	G A	6	32.940	-9.370	115.492	1.00	0.00	H
ATOM	187	H2'2	G A	6	33.031	-8.673	113.881	1.00	0.00	H
ATOM	188	H5'1	G A	6	36.102	-10.182	117.477	1.00	0.00	H
ATOM	189	H5'2	G A	6	35.855	-8.483	117.928	1.00	0.00	H
ATOM	190	C1'	C A	7	33.640	-10.039	109.403	1.00	0.00	C
ATOM	191	N1	C A	7	32.779	-10.846	110.309	1.00	0.00	N
ATOM	192	C2	C A	7	32.553	-12.180	109.976	1.00	0.00	C
ATOM	193	O2	C A	7	33.071	-12.636	108.949	1.00	0.00	O
ATOM	194	N3	C A	7	31.771	-12.934	110.787	1.00	0.00	N
ATOM	195	C4	C A	7	31.221	-12.412	111.892	1.00	0.00	C
ATOM	196	N4	C A	7	30.467	-13.195	112.650	1.00	0.00	N
ATOM	197	C5	C A	7	31.433	-11.042	112.258	1.00	0.00	C
ATOM	198	C6	C A	7	32.228	-10.303	111.428	1.00	0.00	C
ATOM	199	C2'	C A	7	33.174	-8.600	109.234	1.00	0.00	C
ATOM	200	C3'	C A	7	34.493	-7.849	109.128	1.00	0.00	C
ATOM	201	O3'	C A	7	34.948	-7.892	107.777	1.00	0.00	O
ATOM	202	C4'	C A	7	35.405	-8.630	110.070	1.00	0.00	C
ATOM	203	O4'	C A	7	34.943	-10.014	109.958	1.00	0.00	O
ATOM	204	C5'	C A	7	35.368	-8.227	111.528	1.00	0.00	C
ATOM	205	O5'	C A	7	34.018	-7.857	111.900	1.00	0.00	O
ATOM	206	O1P	C A	7	34.205	-5.398	112.403	1.00	0.00	O
ATOM	207	O2P	C A	7	32.432	-6.776	113.521	1.00	0.00	O
ATOM	208	P	C A	7	33.809	-6.700	112.977	1.00	0.00	P
ATOM	209	H5	C A	7	30.982	-10.610	113.152	1.00	0.00	H
ATOM	210	H6	C A	7	32.425	-9.258	111.667	1.00	0.00	H
ATOM	211	H1'	C A	7	33.695	-10.547	108.441	1.00	0.00	H
ATOM	212	H3'	C A	7	34.397	-6.809	109.444	1.00	0.00	H
ATOM	213	H4'	C A	7	36.425	-8.491	109.712	1.00	0.00	H
ATOM	214	H41	C A	7	30.035	-12.820	113.507	1.00	0.00	H
ATOM	215	H42	C A	7	30.314	-14.178	112.386	1.00	0.00	H
ATOM	216	H2'1	C A	7	32.588	-8.251	110.084	1.00	0.00	H
ATOM	217	H2'2	C A	7	32.566	-8.463	108.339	1.00	0.00	H
ATOM	218	H5'1	C A	7	35.704	-9.066	112.140	1.00	0.00	H
ATOM	219	H5'2	C A	7	36.038	-7.382	111.681	1.00	0.00	H
ATOM	220	C1'	A A	8	31.902	-11.852	105.138	1.00	0.00	C
ATOM	221	N1	A A	8	28.793	-14.542	108.211	1.00	0.00	N
ATOM	222	C2	A A	8	29.482	-14.868	107.121	1.00	0.00	C
ATOM	223	N3	A A	8	30.270	-14.124	106.375	1.00	0.00	N
ATOM	224	C4	A A	8	30.319	-12.869	106.860	1.00	0.00	C
ATOM	225	C5	A A	8	29.677	-12.376	107.960	1.00	0.00	C
ATOM	226	C6	A A	8	28.865	-13.283	108.672	1.00	0.00	C
ATOM	227	N6	A A	8	28.173	-12.942	109.772	1.00	0.00	N
ATOM	228	N7	A A	8	29.968	-11.036	108.152	1.00	0.00	N
ATOM	229	C8	A A	8	30.772	-10.749	107.170	1.00	0.00	C
ATOM	230	N9	A A	8	31.033	-11.813	106.345	1.00	0.00	N
ATOM	231	C2'	A A	8	31.837	-10.584	104.296	1.00	0.00	C
ATOM	232	C3'	A A	8	33.270	-10.461	103.799	1.00	0.00	C
ATOM	233	O3'	A A	8	33.430	-11.266	102.634	1.00	0.00	O
ATOM	234	C4'	A A	8	34.086	-10.985	104.980	1.00	0.00	C
ATOM	235	O4'	A A	8	33.236	-12.021	105.573	1.00	0.00	O
ATOM	236	C5'	A A	8	34.442	-9.979	106.048	1.00	0.00	C
ATOM	237	O5'	A A	8	33.345	-9.047	106.229	1.00	0.00	O
ATOM	238	O1P	A A	8	34.312	-6.856	105.451	1.00	0.00	O

ATOM	239	O2P	A A	8	32.465	-6.882	107.150	1.00	0.00	O
ATOM	240	P	A A	8	33.680	-7.533	106.601	1.00	0.00	P
ATOM	241	H2	A A	8	29.379	-15.903	106.799	1.00	0.00	H
ATOM	242	H8	A A	8	31.198	-9.758	107.016	1.00	0.00	H
ATOM	243	H1'	A A	8	31.628	-12.726	104.549	1.00	0.00	H
ATOM	244	H3'	A A	8	33.534	-9.431	103.565	1.00	0.00	H
ATOM	245	H4'	A A	8	35.015	-11.380	104.571	1.00	0.00	H
ATOM	246	H61	A A	8	27.597	-13.645	110.256	1.00	0.00	H
ATOM	247	H62	A A	8	28.220	-11.977	110.130	1.00	0.00	H
ATOM	248	H2'1	A A	8	31.544	-9.714	104.881	1.00	0.00	H
ATOM	249	H2'2	A A	8	31.136	-10.675	103.466	1.00	0.00	H
ATOM	250	H5'1	A A	8	34.634	-10.505	106.984	1.00	0.00	H
ATOM	251	H5'2	A A	8	35.338	-9.439	105.748	1.00	0.00	H
ATOM	252	C1'	C A	9	28.901	-14.745	102.439	1.00	0.00	C
ATOM	253	N1	C A	9	28.339	-13.837	103.476	1.00	0.00	N
ATOM	254	C2	C A	9	27.465	-14.380	104.416	1.00	0.00	C
ATOM	255	O2	C A	9	27.194	-15.586	104.351	1.00	0.00	O
ATOM	256	N3	C A	9	26.943	-13.570	105.368	1.00	0.00	N
ATOM	257	C4	C A	9	27.255	-12.268	105.411	1.00	0.00	C
ATOM	258	N4	C A	9	26.718	-11.522	106.365	1.00	0.00	N
ATOM	259	C5	C A	9	28.148	-11.681	104.455	1.00	0.00	C
ATOM	260	C6	C A	9	28.666	-12.517	103.507	1.00	0.00	C
ATOM	261	C2'	C A	9	29.036	-14.102	101.067	1.00	0.00	C
ATOM	262	C3'	C A	9	30.317	-14.737	100.542	1.00	0.00	C
ATOM	263	O3'	C A	9	30.005	-15.998	99.955	1.00	0.00	O
ATOM	264	C4'	C A	9	31.165	-14.881	101.803	1.00	0.00	C
ATOM	265	O4'	C A	9	30.193	-15.139	102.867	1.00	0.00	O
ATOM	266	C5'	C A	9	31.997	-13.682	102.193	1.00	0.00	C
ATOM	267	O5'	C A	9	31.273	-12.463	101.892	1.00	0.00	O
ATOM	268	O1P	C A	9	32.651	-11.400	100.074	1.00	0.00	O
ATOM	269	O2P	C A	9	31.252	-9.968	101.586	1.00	0.00	O
ATOM	270	P	C A	9	32.094	-11.179	101.422	1.00	0.00	P
ATOM	271	H5	C A	9	28.400	-10.619	104.483	1.00	0.00	H
ATOM	272	H6	C A	9	29.356	-12.118	102.764	1.00	0.00	H
ATOM	273	H1'	C A	9	28.277	-15.638	102.393	1.00	0.00	H
ATOM	274	H3'	C A	9	30.811	-14.106	99.804	1.00	0.00	H
ATOM	275	H4'	C A	9	31.843	-15.717	101.634	1.00	0.00	H
ATOM	276	H41	C A	9	26.943	-10.518	106.424	1.00	0.00	H
ATOM	277	H42	C A	9	26.074	-11.947	107.050	1.00	0.00	H
ATOM	278	H2'1	C A	9	29.128	-13.017	101.124	1.00	0.00	H
ATOM	279	H2'2	C A	9	28.187	-14.325	100.420	1.00	0.00	H
ATOM	280	H5'1	C A	9	32.216	-13.728	103.260	1.00	0.00	H
ATOM	281	H5'2	C A	9	32.934	-13.702	101.636	1.00	0.00	H
ATOM	282	C1'	C A	10	24.755	-17.327	101.621	1.00	0.00	C
ATOM	283	N1	C A	10	24.686	-15.910	102.071	1.00	0.00	N
ATOM	284	C2	C A	10	23.892	-15.616	103.177	1.00	0.00	C
ATOM	285	O2	C A	10	23.281	-16.537	103.737	1.00	0.00	O
ATOM	286	N3	C A	10	23.816	-14.333	103.606	1.00	0.00	N
ATOM	287	C4	C A	10	24.488	-13.357	102.980	1.00	0.00	C
ATOM	288	N4	C A	10	24.380	-12.119	103.441	1.00	0.00	N
ATOM	289	C5	C A	10	25.309	-13.629	101.836	1.00	0.00	C
ATOM	290	C6	C A	10	25.376	-14.931	101.427	1.00	0.00	C
ATOM	291	C2'	C A	10	24.801	-17.488	100.108	1.00	0.00	C
ATOM	292	C3'	C A	10	25.721	-18.689	99.944	1.00	0.00	C



ATOM	293	O3'	C	A	10	24.956	-19.885	100.079	1.00	0.00	O
ATOM	294	C4'	C	A	10	26.719	-18.510	101.085	1.00	0.00	C
ATOM	295	O4'	C	A	10	25.938	-17.893	102.156	1.00	0.00	O
ATOM	296	C5'	C	A	10	27.918	-17.637	100.797	1.00	0.00	C
ATOM	297	O5'	C	A	10	27.527	-16.534	99.940	1.00	0.00	O
ATOM	298	O1P	C	A	10	28.773	-16.988	97.802	1.00	0.00	O
ATOM	299	O2P	C	A	10	28.158	-14.636	98.421	1.00	0.00	O
ATOM	300	P	C	A	10	28.573	-15.988	98.869	1.00	0.00	P
ATOM	301	H5	C	A	10	25.854	-12.839	101.320	1.00	0.00	H
ATOM	302	H6	C	A	10	25.993	-15.189	100.567	1.00	0.00	H
ATOM	303	H1'	C	A	10	23.906	-17.862	102.046	1.00	0.00	H
ATOM	304	H3'	C	A	10	26.222	-18.690	98.977	1.00	0.00	H
ATOM	305	H4'	C	A	10	27.086	-19.504	101.342	1.00	0.00	H
ATOM	306	H41	C	A	10	24.888	-11.352	102.980	1.00	0.00	H
ATOM	307	H42	C	A	10	23.787	-11.927	104.262	1.00	0.00	H
ATOM	308	H2'1	C	A	10	25.207	-16.609	99.609	1.00	0.00	H
ATOM	309	H2'2	C	A	10	23.815	-17.681	99.682	1.00	0.00	H
ATOM	310	H5'1	C	A	10	28.314	-17.251	101.737	1.00	0.00	H
ATOM	311	H5'2	C	A	10	28.684	-18.234	100.304	1.00	0.00	H
ATOM	312	C1'	T	A	11	19.975	-18.411	102.305	1.00	0.00	C
ATOM	313	N1	T	A	11	20.387	-17.016	102.000	1.00	0.00	N
ATOM	314	C2	T	A	11	19.921	-16.023	102.839	1.00	0.00	C
ATOM	315	O2	T	A	11	19.201	-16.252	103.796	1.00	0.00	O
ATOM	316	N3	T	A	11	20.329	-14.741	102.520	1.00	0.00	N
ATOM	317	C4	T	A	11	21.136	-14.376	101.462	1.00	0.00	C
ATOM	318	O4	T	A	11	21.432	-13.188	101.273	1.00	0.00	O
ATOM	319	C5	T	A	11	21.573	-15.480	100.641	1.00	0.00	C
ATOM	320	C6	T	A	11	21.195	-16.742	100.924	1.00	0.00	C
ATOM	321	C7	T	A	11	22.455	-15.128	99.481	1.00	0.00	C
ATOM	322	C2'	T	A	11	19.692	-19.253	101.067	1.00	0.00	C
ATOM	323	C3'	T	A	11	20.193	-20.623	101.493	1.00	0.00	C
ATOM	324	O3'	T	A	11	19.165	-21.293	102.220	1.00	0.00	O
ATOM	325	C4'	T	A	11	21.395	-20.288	102.371	1.00	0.00	C
ATOM	326	O4'	T	A	11	21.030	-19.027	103.018	1.00	0.00	O
ATOM	327	C5'	T	A	11	22.716	-20.100	101.660	1.00	0.00	C
ATOM	328	O5'	T	A	11	22.496	-19.453	100.382	1.00	0.00	O
ATOM	329	O1P	T	A	11	23.146	-21.222	98.714	1.00	0.00	O
ATOM	330	O2P	T	A	11	23.337	-18.794	98.107	1.00	0.00	O
ATOM	331	P	T	A	11	23.434	-19.843	99.153	1.00	0.00	P
ATOM	332	H3	T	A	11	19.998	-13.984	103.133	1.00	0.00	H
ATOM	333	H6	T	A	11	21.538	-17.561	100.289	1.00	0.00	H
ATOM	334	H1'	T	A	11	19.103	-18.376	102.958	1.00	0.00	H
ATOM	335	H3'	T	A	11	20.486	-21.234	100.640	1.00	0.00	H
ATOM	336	H4'	T	A	11	21.512	-21.111	103.078	1.00	0.00	H
ATOM	337	H71	T	A	11	21.934	-15.348	98.549	1.00	0.00	H
ATOM	338	H72	T	A	11	22.699	-14.065	99.519	1.00	0.00	H
ATOM	339	H73	T	A	11	23.373	-15.713	99.531	1.00	0.00	H
ATOM	340	H2'1	T	A	11	20.227	-18.890	100.190	1.00	0.00	H
ATOM	341	H2'2	T	A	11	18.631	-19.278	100.816	1.00	0.00	H
ATOM	342	H5'1	T	A	11	23.371	-19.486	102.277	1.00	0.00	H
ATOM	343	H5'2	T	A	11	23.180	-21.074	101.505	1.00	0.00	H
ATOM	344	C1'	A	A	12	15.302	-17.317	103.570	1.00	0.00	C
ATOM	345	N1	A	A	12	16.672	-12.533	102.317	1.00	0.00	N
ATOM	346	C2	A	A	12	15.963	-13.030	103.324	1.00	0.00	C

ATOM	347	N3	A	A	12	15.647	-14.280	103.592	1.00	0.00	N
ATOM	348	C4	A	A	12	16.156	-15.097	102.652	1.00	0.00	C
ATOM	349	C5	A	A	12	16.899	-14.750	101.560	1.00	0.00	C
ATOM	350	C6	A	A	12	17.166	-13.374	101.395	1.00	0.00	C
ATOM	351	N6	A	A	12	17.885	-12.884	100.370	1.00	0.00	N
ATOM	352	N7	A	A	12	17.248	-15.864	100.817	1.00	0.00	N
ATOM	353	C8	A	A	12	16.708	-16.853	101.466	1.00	0.00	C
ATOM	354	N9	A	A	12	16.030	-16.464	102.594	1.00	0.00	N
ATOM	355	C2'	A	A	12	14.561	-18.484	102.932	1.00	0.00	C
ATOM	356	C3'	A	A	12	14.720	-19.573	103.981	1.00	0.00	C
ATOM	357	O3'	A	A	12	13.701	-19.424	104.968	1.00	0.00	O
ATOM	358	C4'	A	A	12	16.114	-19.302	104.546	1.00	0.00	C
ATOM	359	O4'	A	A	12	16.254	-17.846	104.474	1.00	0.00	O
ATOM	360	C5'	A	A	12	17.269	-19.935	103.811	1.00	0.00	C
ATOM	361	O5'	A	A	12	17.007	-19.931	102.384	1.00	0.00	O
ATOM	362	O1P	A	A	12	16.793	-22.376	101.824	1.00	0.00	O
ATOM	363	O2P	A	A	12	17.553	-20.748	100.071	1.00	0.00	O
ATOM	364	P	A	A	12	17.542	-21.146	101.501	1.00	0.00	P
ATOM	365	H2	A	A	12	15.587	-12.294	104.035	1.00	0.00	H
ATOM	366	H8	A	A	12	16.787	-17.893	101.147	1.00	0.00	H
ATOM	367	H1'	A	A	12	14.620	-16.683	104.135	1.00	0.00	H
ATOM	368	H3'	A	A	12	14.659	-20.571	103.549	1.00	0.00	H
ATOM	369	H4'	A	A	12	16.120	-19.681	105.568	1.00	0.00	H
ATOM	370	H61	A	A	12	18.054	-11.871	100.297	1.00	0.00	H
ATOM	371	H62	A	A	12	18.266	-13.524	99.657	1.00	0.00	H
ATOM	372	H2'1	A	A	12	15.001	-18.783	101.981	1.00	0.00	H
ATOM	373	H2'2	A	A	12	13.511	-18.258	102.751	1.00	0.00	H
ATOM	374	H5'1	A	A	12	18.178	-19.370	104.018	1.00	0.00	H
ATOM	375	H5'2	A	A	12	17.398	-20.959	104.158	1.00	0.00	H
ATOM	376	C1'	G	A	13	11.481	-14.214	104.214	1.00	0.00	C
ATOM	377	N1	G	A	13	13.880	-11.406	100.694	1.00	0.00	N
ATOM	378	C2	G	A	13	13.258	-11.017	101.867	1.00	0.00	C
ATOM	379	N2	G	A	13	13.274	-9.704	102.137	1.00	0.00	N
ATOM	380	N3	G	A	13	12.666	-11.868	102.702	1.00	0.00	N
ATOM	381	C4	G	A	13	12.738	-13.154	102.268	1.00	0.00	C
ATOM	382	C5	G	A	13	13.334	-13.634	101.114	1.00	0.00	C
ATOM	383	C6	G	A	13	13.966	-12.730	100.227	1.00	0.00	C
ATOM	384	O6	G	A	13	14.542	-12.963	99.164	1.00	0.00	O
ATOM	385	N7	G	A	13	13.187	-15.020	101.034	1.00	0.00	N
ATOM	386	C8	G	A	13	12.527	-15.330	102.120	1.00	0.00	C
ATOM	387	N9	G	A	13	12.217	-14.249	102.919	1.00	0.00	N
ATOM	388	C2'	G	A	13	10.320	-15.195	104.287	1.00	0.00	C
ATOM	389	C3'	G	A	13	10.361	-15.629	105.743	1.00	0.00	C
ATOM	390	O3'	G	A	13	9.649	-14.680	106.534	1.00	0.00	O
ATOM	391	C4'	G	A	13	11.857	-15.633	106.055	1.00	0.00	C
ATOM	392	O4'	G	A	13	12.397	-14.544	105.240	1.00	0.00	O
ATOM	393	C5'	G	A	13	12.607	-16.901	105.724	1.00	0.00	C
ATOM	394	O5'	G	A	13	12.077	-17.483	104.509	1.00	0.00	O
ATOM	395	O1P	G	A	13	11.054	-19.645	105.295	1.00	0.00	O
ATOM	396	O2P	G	A	13	11.886	-19.436	102.938	1.00	0.00	O
ATOM	397	P	G	A	13	12.047	-19.072	104.367	1.00	0.00	P
ATOM	398	H1	G	A	13	14.315	-10.668	100.119	1.00	0.00	H
ATOM	399	H8	G	A	13	12.243	-16.351	102.371	1.00	0.00	H
ATOM	400	H1'	G	A	13	11.141	-13.191	104.384	1.00	0.00	H

ATOM	401	H21	G A	13	13.738	-9.053	101.485	1.00	0.00	H
ATOM	402	H3'	G A	13	9.927	-16.618	105.888	1.00	0.00	H
ATOM	403	H22	G A	13	12.826	-9.351	102.992	1.00	0.00	H
ATOM	404	H4'	G A	13	11.959	-15.453	107.124	1.00	0.00	H
ATOM	405	H2'1	G A	13	10.454	-16.045	103.617	1.00	0.00	H
ATOM	406	H2'2	G A	13	9.367	-14.728	104.037	1.00	0.00	H
ATOM	407	H5'1	G A	13	13.664	-16.667	105.591	1.00	0.00	H
ATOM	408	H5'2	G A	13	12.499	-17.605	106.549	1.00	0.00	H
ATOM	409	C1'	G A	14	8.891	-10.089	103.311	1.00	0.00	C
ATOM	410	N1	G A	14	11.266	-10.263	98.799	1.00	0.00	N
ATOM	411	C2	G A	14	11.018	-9.186	99.631	1.00	0.00	C
ATOM	412	N2	G A	14	11.458	-7.997	99.203	1.00	0.00	N
ATOM	413	N3	G A	14	10.381	-9.288	100.797	1.00	0.00	N
ATOM	414	C4	G A	14	10.000	-10.563	101.066	1.00	0.00	C
ATOM	415	C5	G A	14	10.200	-11.696	100.296	1.00	0.00	C
ATOM	416	C6	G A	14	10.878	-11.591	99.062	1.00	0.00	C
ATOM	417	O6	G A	14	11.149	-12.472	98.245	1.00	0.00	O
ATOM	418	N7	G A	14	9.651	-12.813	100.932	1.00	0.00	N
ATOM	419	C8	G A	14	9.151	-12.333	102.041	1.00	0.00	C
ATOM	420	N9	G A	14	9.323	-10.973	102.194	1.00	0.00	N
ATOM	421	C2'	G A	14	7.537	-10.458	103.898	1.00	0.00	C
ATOM	422	C3'	G A	14	7.732	-10.146	105.373	1.00	0.00	C
ATOM	423	O3'	G A	14	7.486	-8.760	105.596	1.00	0.00	O
ATOM	424	C4'	G A	14	9.195	-10.518	105.606	1.00	0.00	C
ATOM	425	O4'	G A	14	9.856	-10.195	104.341	1.00	0.00	O
ATOM	426	C5'	G A	14	9.475	-11.964	105.942	1.00	0.00	C
ATOM	427	O5'	G A	14	8.576	-12.823	105.198	1.00	0.00	O
ATOM	428	O1P	G A	14	7.152	-13.867	106.990	1.00	0.00	O
ATOM	429	O2P	G A	14	7.539	-15.082	104.830	1.00	0.00	O
ATOM	430	P	G A	14	8.069	-14.174	105.876	1.00	0.00	P
ATOM	431	H1	G A	14	11.774	-10.078	97.920	1.00	0.00	H
ATOM	432	H8	G A	14	8.643	-12.954	102.780	1.00	0.00	H
ATOM	433	H1'	G A	14	8.896	-9.060	102.952	1.00	0.00	H
ATOM	434	H21	G A	14	11.954	-7.926	98.302	1.00	0.00	H
ATOM	435	H3'	G A	14	7.071	-10.737	106.006	1.00	0.00	H
ATOM	436	H22	G A	14	11.304	-7.154	99.774	1.00	0.00	H
ATOM	437	H4'	G A	14	9.548	-9.908	106.438	1.00	0.00	H
ATOM	438	H2'1	G A	14	7.291	-11.508	103.744	1.00	0.00	H
ATOM	439	H2'2	G A	14	6.726	-9.866	103.471	1.00	0.00	H
ATOM	440	H5'1	G A	14	10.507	-12.198	105.684	1.00	0.00	H
ATOM	441	H5'2	G A	14	9.331	-12.117	107.012	1.00	0.00	H
ATOM	442	C1'	A A	15	7.453	-6.249	100.539	1.00	0.00	C
ATOM	443	N1	A A	15	8.782	-9.306	96.636	1.00	0.00	N
ATOM	444	C2	A A	15	8.975	-8.010	96.870	1.00	0.00	C
ATOM	445	N3	A A	15	8.607	-7.282	97.903	1.00	0.00	N
ATOM	446	C4	A A	15	7.943	-8.041	98.794	1.00	0.00	C
ATOM	447	C5	A A	15	7.660	-9.375	98.704	1.00	0.00	C
ATOM	448	C6	A A	15	8.116	-10.037	97.544	1.00	0.00	C
ATOM	449	N6	A A	15	7.913	-11.346	97.318	1.00	0.00	N
ATOM	450	N7	A A	15	6.960	-9.815	99.814	1.00	0.00	N
ATOM	451	C8	A A	15	6.830	-8.746	100.543	1.00	0.00	C
ATOM	452	N9	A A	15	7.404	-7.630	99.988	1.00	0.00	N
ATOM	453	C2'	A A	15	6.180	-5.833	101.267	1.00	0.00	C
ATOM	454	C3'	A A	15	6.727	-4.970	102.393	1.00	0.00	C

ATOM	455	O3'	A	A	15	6.923	-3.644	101.912	1.00	0.00	O
ATOM	456	C4'	A	A	15	8.046	-5.659	102.741	1.00	0.00	C
ATOM	457	O4'	A	A	15	8.523	-6.189	101.461	1.00	0.00	O
ATOM	458	C5'	A	A	15	7.970	-6.793	103.735	1.00	0.00	C
ATOM	459	O5'	A	A	15	6.744	-7.541	103.534	1.00	0.00	O
ATOM	460	O1P	A	A	15	5.445	-7.111	105.646	1.00	0.00	O
ATOM	461	O2P	A	A	15	5.070	-9.228	104.350	1.00	0.00	O
ATOM	462	P	A	A	15	6.016	-8.179	104.802	1.00	0.00	P
ATOM	463	H2	A	A	15	9.519	-7.473	96.092	1.00	0.00	H
ATOM	464	H8	A	A	15	6.315	-8.735	101.503	1.00	0.00	H
ATOM	465	H1'	A	A	15	7.676	-5.564	99.721	1.00	0.00	H
ATOM	466	H3'	A	A	15	6.058	-4.948	103.254	1.00	0.00	H
ATOM	467	H4'	A	A	15	8.702	-4.894	103.155	1.00	0.00	H
ATOM	468	H61	A	A	15	8.270	-11.780	96.454	1.00	0.00	H
ATOM	469	H62	A	A	15	7.401	-11.914	98.009	1.00	0.00	H
ATOM	470	H2'1	A	A	15	5.629	-6.690	101.655	1.00	0.00	H
ATOM	471	H2'2	A	A	15	5.504	-5.268	100.627	1.00	0.00	H
ATOM	472	H5'1	A	A	15	8.829	-7.448	103.596	1.00	0.00	H
ATOM	473	H5'2	A	A	15	7.990	-6.384	104.744	1.00	0.00	H
ATOM	474	C1'	C	A	16	6.673	-3.944	96.210	1.00	0.00	C
ATOM	475	N1	C	A	16	6.118	-5.305	96.450	1.00	0.00	N
ATOM	476	C2	C	A	16	6.371	-6.290	95.498	1.00	0.00	C
ATOM	477	O2	C	A	16	7.040	-5.995	94.499	1.00	0.00	O
ATOM	478	N3	C	A	16	5.874	-7.535	95.697	1.00	0.00	N
ATOM	479	C4	C	A	16	5.153	-7.822	96.787	1.00	0.00	C
ATOM	480	N4	C	A	16	4.697	-9.058	96.932	1.00	0.00	N
ATOM	481	C5	C	A	16	4.873	-6.829	97.782	1.00	0.00	C
ATOM	482	C6	C	A	16	5.386	-5.581	97.564	1.00	0.00	C
ATOM	483	C2'	C	A	16	5.745	-2.818	96.645	1.00	0.00	C
ATOM	484	C3'	C	A	16	6.728	-1.777	97.158	1.00	0.00	C
ATOM	485	O3'	C	A	16	7.203	-1.002	96.061	1.00	0.00	O
ATOM	486	C4'	C	A	16	7.830	-2.630	97.783	1.00	0.00	C
ATOM	487	O4'	C	A	16	7.873	-3.833	96.951	1.00	0.00	O
ATOM	488	C5'	C	A	16	7.622	-3.045	99.222	1.00	0.00	C
ATOM	489	O5'	C	A	16	6.217	-3.315	99.456	1.00	0.00	O
ATOM	490	O1P	C	A	16	5.536	-1.510	101.073	1.00	0.00	O
ATOM	491	O2P	C	A	16	4.316	-3.702	101.054	1.00	0.00	O
ATOM	492	P	C	A	16	5.597	-2.972	100.885	1.00	0.00	P
ATOM	493	H5	C	A	16	4.279	-7.056	98.669	1.00	0.00	H
ATOM	494	H6	C	A	16	5.208	-4.794	98.296	1.00	0.00	H
ATOM	495	H1'	C	A	16	6.922	-3.858	95.153	1.00	0.00	H
ATOM	496	H3'	C	A	16	6.272	-1.117	97.898	1.00	0.00	H
ATOM	497	H4'	C	A	16	8.747	-2.044	97.737	1.00	0.00	H
ATOM	498	H41	C	A	16	4.140	-9.305	97.764	1.00	0.00	H
ATOM	499	H42	C	A	16	4.896	-9.769	96.215	1.00	0.00	H
ATOM	500	H2'1	C	A	16	5.053	-3.130	97.429	1.00	0.00	H
ATOM	501	H2'2	C	A	16	5.149	-2.429	95.818	1.00	0.00	H
ATOM	502	H5'1	C	A	16	8.209	-3.941	99.424	1.00	0.00	H
ATOM	503	H5'2	C	A	16	7.957	-2.241	99.878	1.00	0.00	H
ATOM	504	C1'	G	A	17	5.759	-3.794	91.347	1.00	0.00	C
ATOM	505	N1	G	A	17	3.691	-8.385	92.166	1.00	0.00	N
ATOM	506	C2	G	A	17	4.505	-7.948	91.136	1.00	0.00	C
ATOM	507	N2	G	A	17	4.806	-8.855	90.198	1.00	0.00	N
ATOM	508	N3	G	A	17	4.981	-6.707	91.048	1.00	0.00	N

ATOM	509	C4	G A	17	4.568	-5.922	92.078	1.00	0.00	C
ATOM	510	C5	G A	17	3.755	-6.268	93.145	1.00	0.00	C
ATOM	511	C6	G A	17	3.253	-7.587	93.242	1.00	0.00	C
ATOM	512	O6	G A	17	2.524	-8.081	94.102	1.00	0.00	O
ATOM	513	N7	G A	17	3.568	-5.170	93.986	1.00	0.00	N
ATOM	514	C8	G A	17	4.261	-4.216	93.419	1.00	0.00	C
ATOM	515	N9	G A	17	4.897	-4.596	92.254	1.00	0.00	N
ATOM	516	C2'	G A	17	5.298	-2.353	91.176	1.00	0.00	C
ATOM	517	C3'	G A	17	6.618	-1.607	91.066	1.00	0.00	C
ATOM	518	O3'	G A	17	7.070	-1.653	89.715	1.00	0.00	O
ATOM	519	C4'	G A	17	7.530	-2.391	92.008	1.00	0.00	C
ATOM	520	O4'	G A	17	7.063	-3.772	91.896	1.00	0.00	O
ATOM	521	C5'	G A	17	7.500	-1.986	93.463	1.00	0.00	C
ATOM	522	O5'	G A	17	6.152	-1.611	93.839	1.00	0.00	O
ATOM	523	O1P	G A	17	6.351	0.848	94.338	1.00	0.00	O
ATOM	524	O2P	G A	17	4.574	-0.521	95.464	1.00	0.00	O
ATOM	525	P	G A	17	5.951	-0.450	94.915	1.00	0.00	P
ATOM	526	H1	G A	17	3.382	-9.367	92.143	1.00	0.00	H
ATOM	527	H8	G A	17	4.330	-3.208	93.829	1.00	0.00	H
ATOM	528	H1'	G A	17	5.809	-4.303	90.384	1.00	0.00	H
ATOM	529	H21	G A	17	4.438	-9.815	90.275	1.00	0.00	H
ATOM	530	H3'	G A	17	6.528	-0.567	91.382	1.00	0.00	H
ATOM	531	H22	G A	17	5.406	-8.594	89.403	1.00	0.00	H
ATOM	532	H4'	G A	17	8.549	-2.256	91.647	1.00	0.00	H
ATOM	533	H2'1	G A	17	4.715	-2.002	92.028	1.00	0.00	H
ATOM	534	H2'2	G A	17	4.688	-2.215	90.283	1.00	0.00	H
ATOM	535	H5'1	G A	17	7.834	-2.824	94.075	1.00	0.00	H
ATOM	536	H5'2	G A	17	8.174	-1.144	93.614	1.00	0.00	H
ATOM	537	C1'	G A	18	4.008	-5.624	87.091	1.00	0.00	C
ATOM	538	N1	G A	18	0.916	-8.275	90.162	1.00	0.00	N
ATOM	539	C2	G A	18	1.605	-8.680	89.033	1.00	0.00	C
ATOM	540	N2	G A	18	1.449	-9.961	88.672	1.00	0.00	N
ATOM	541	N3	G A	18	2.388	-7.873	88.321	1.00	0.00	N
ATOM	542	C4	G A	18	2.424	-6.610	88.824	1.00	0.00	C
ATOM	543	C5	G A	18	1.767	-6.117	89.940	1.00	0.00	C
ATOM	544	C6	G A	18	0.938	-6.976	90.699	1.00	0.00	C
ATOM	545	O6	G A	18	0.280	-6.725	91.709	1.00	0.00	O
ATOM	546	N7	G A	18	2.067	-4.766	90.118	1.00	0.00	N
ATOM	547	C8	G A	18	2.880	-4.489	89.131	1.00	0.00	C
ATOM	548	N9	G A	18	3.144	-5.559	88.302	1.00	0.00	N
ATOM	549	C2'	G A	18	3.952	-4.370	86.230	1.00	0.00	C
ATOM	550	C3'	G A	18	5.382	-4.267	85.727	1.00	0.00	C
ATOM	551	O3'	G A	18	5.534	-5.089	84.573	1.00	0.00	O
ATOM	552	C4'	G A	18	6.198	-4.781	86.913	1.00	0.00	C
ATOM	553	O4'	G A	18	5.343	-5.798	87.523	1.00	0.00	O
ATOM	554	C5'	G A	18	6.565	-3.762	87.966	1.00	0.00	C
ATOM	555	O5'	G A	18	5.479	-2.818	88.135	1.00	0.00	O
ATOM	556	O1P	G A	18	6.462	-0.647	87.323	1.00	0.00	O
ATOM	557	O2P	G A	18	4.621	-0.630	89.026	1.00	0.00	O
ATOM	558	P	G A	18	5.828	-1.300	88.483	1.00	0.00	P
ATOM	559	H1	G A	18	0.340	-8.983	90.646	1.00	0.00	H
ATOM	560	H8	G A	18	3.311	-3.500	88.976	1.00	0.00	H
ATOM	561	H1'	G A	18	3.723	-6.505	86.516	1.00	0.00	H
ATOM	562	H21	G A	18	0.844	-10.581	89.231	1.00	0.00	H

ATOM	563	H3'	G	A	18	5.656	-3.240	85.478	1.00	0.00	H
ATOM	564	H22	G	A	18	1.934	-10.323	87.840	1.00	0.00	H
ATOM	565	H4'	G	A	18	7.123	-5.189	86.507	1.00	0.00	H
ATOM	566	H2'1	G	A	18	3.669	-3.487	86.803	1.00	0.00	H
ATOM	567	H2'2	G	A	18	3.246	-4.465	85.404	1.00	0.00	H
ATOM	568	H5'1	G	A	18	6.758	-4.275	88.908	1.00	0.00	H
ATOM	569	H5'2	G	A	18	7.467	-3.235	87.656	1.00	0.00	H
ATOM	570	C1'	T	A	19	1.036	-8.493	84.365	1.00	0.00	C
ATOM	571	N1	T	A	19	0.461	-7.604	85.407	1.00	0.00	N
ATOM	572	C2	T	A	19	-0.402	-8.176	86.320	1.00	0.00	C
ATOM	573	O2	T	A	19	-0.699	-9.358	86.294	1.00	0.00	O
ATOM	574	N3	T	A	19	-0.912	-7.312	87.272	1.00	0.00	N
ATOM	575	C4	T	A	19	-0.644	-5.965	87.387	1.00	0.00	C
ATOM	576	O4	T	A	19	-1.165	-5.291	88.282	1.00	0.00	O
ATOM	577	C5	T	A	19	0.268	-5.456	86.390	1.00	0.00	C
ATOM	578	C6	T	A	19	0.785	-6.269	85.447	1.00	0.00	C
ATOM	579	C7	T	A	19	0.590	-3.995	86.478	1.00	0.00	C
ATOM	580	C2'	T	A	19	1.173	-7.831	82.998	1.00	0.00	C
ATOM	581	C3'	T	A	19	2.458	-8.449	82.473	1.00	0.00	C
ATOM	582	O3'	T	A	19	2.161	-9.706	81.868	1.00	0.00	O
ATOM	583	C4'	T	A	19	3.302	-8.602	83.736	1.00	0.00	C
ATOM	584	O4'	T	A	19	2.328	-8.882	84.790	1.00	0.00	O
ATOM	585	C5'	T	A	19	4.125	-7.402	84.144	1.00	0.00	C
ATOM	586	O5'	T	A	19	3.392	-6.185	83.856	1.00	0.00	O
ATOM	587	O1P	T	A	19	4.768	-5.089	82.055	1.00	0.00	O
ATOM	588	O2P	T	A	19	3.350	-3.688	83.580	1.00	0.00	O
ATOM	589	P	T	A	19	4.203	-4.888	83.405	1.00	0.00	P
ATOM	590	H3	T	A	19	-1.556	-7.718	87.967	1.00	0.00	H
ATOM	591	H6	T	A	19	1.472	-5.862	84.705	1.00	0.00	H
ATOM	592	H1'	T	A	19	0.418	-9.390	84.303	1.00	0.00	H
ATOM	593	H3'	T	A	19	2.952	-7.805	81.745	1.00	0.00	H
ATOM	594	H4'	T	A	19	3.990	-9.431	83.560	1.00	0.00	H
ATOM	595	H71	T	A	19	0.199	-3.483	85.599	1.00	0.00	H
ATOM	596	H72	T	A	19	0.134	-3.575	87.375	1.00	0.00	H
ATOM	597	H73	T	A	19	1.672	-3.860	86.524	1.00	0.00	H
ATOM	598	H2'1	T	A	19	1.253	-6.748	83.072	1.00	0.00	H
ATOM	599	H2'2	T	A	19	0.328	-8.053	82.345	1.00	0.00	H
ATOM	600	H5'1	T	A	19	4.338	-7.459	85.211	1.00	0.00	H
ATOM	601	H5'2	T	A	19	5.062	-7.406	83.591	1.00	0.00	H
ATOM	602	C01	LNK	A	20	0.902	-10.525	78.462	0.00	0.00	C
ATOM	603	O1	LNK	A	20	1.279	-9.585	79.470	1.00	0.00	O
ATOM	604	S	LNK	A	20	-0.631	-10.538	74.789	0.00	0.00	S
ATOM	605	C02	LNK	A	20	0.366	-9.769	77.232	0.00	0.00	C
ATOM	606	C03	LNK	A	20	-0.791	-10.566	76.602	0.00	0.00	C
ATOM	607	O1P	LNK	A	20	-0.113	-8.511	81.273	1.00	0.00	O
ATOM	608	O2P	LNK	A	20	-0.096	-11.008	81.019	1.00	0.00	O
ATOM	609	P	LNK	A	20	0.649	-9.728	80.929	1.00	0.00	P
ATOM	610	H01	LNK	A	20	0.125	-11.184	78.850	0.00	0.00	H
ATOM	611	H02	LNK	A	20	1.770	-11.117	78.175	0.00	0.00	H
ATOM	612	H03	LNK	A	20	-1.742	-10.117	76.890	0.00	0.00	H
ATOM	613	H04	LNK	A	20	1.167	-9.650	76.501	0.00	0.00	H
ATOM	614	H05	LNK	A	20	0.006	-8.786	77.537	0.00	0.00	H
ATOM	615	H06	LNK	A	20	-0.755	-11.597	76.953	0.00	0.00	H
ATOM	616	AU	LNK	A	20	-1.196	-10.804	74.505			

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ATOM	618	C1'	A B	2	-5.881	-11.074	92.388	1.00	0.00	C
ATOM	619	N1	A B	2	-2.763	-8.452	89.267	1.00	0.00	N
ATOM	620	C2	A B	2	-3.127	-9.730	89.307	1.00	0.00	C
ATOM	621	N3	A B	2	-3.940	-10.343	90.140	1.00	0.00	N
ATOM	622	C4	A B	2	-4.419	-9.471	91.047	1.00	0.00	C
ATOM	623	C5	A B	2	-4.146	-8.137	91.144	1.00	0.00	C
ATOM	624	C6	A B	2	-3.258	-7.607	90.184	1.00	0.00	C
ATOM	625	N6	A B	2	-2.896	-6.313	90.152	1.00	0.00	N
ATOM	626	N7	A B	2	-4.824	-7.562	92.204	1.00	0.00	N
ATOM	627	C8	A B	2	-5.484	-8.553	92.725	1.00	0.00	C
ATOM	628	N9	A B	2	-5.289	-9.743	92.074	1.00	0.00	N
ATOM	629	C2'	A B	2	-6.016	-11.348	93.880	1.00	0.00	C
ATOM	630	C3'	A B	2	-7.313	-12.140	93.941	1.00	0.00	C
ATOM	631	O3'	A B	2	-7.035	-13.514	93.680	1.00	0.00	O
ATOM	632	C4'	A B	2	-8.154	-11.502	92.835	1.00	0.00	C
ATOM	633	O4'	A B	2	-7.175	-11.113	91.817	1.00	0.00	O
ATOM	634	C5'	A B	2	-8.958	-10.284	93.223	1.00	0.00	C
ATOM	635	O5'	A B	2	-8.212	-9.485	94.175	1.00	0.00	O
ATOM	636	H2	A B	2	-2.687	-10.364	88.538	1.00	0.00	H
ATOM	637	H8	A B	2	-6.129	-8.449	93.598	1.00	0.00	H
ATOM	638	H1'	A B	2	-5.276	-11.839	91.904	1.00	0.00	H
ATOM	639	H3'	A B	2	-7.803	-12.049	94.910	1.00	0.00	H
ATOM	640	H4'	A B	2	-8.849	-12.264	92.488	1.00	0.00	H
ATOM	641	H61	A B	2	-2.247	-5.977	89.429	1.00	0.00	H
ATOM	642	H62	A B	2	-3.271	-5.658	90.855	1.00	0.00	H
ATOM	643	H2'1	A B	2	-6.085	-10.431	94.465	1.00	0.00	H
ATOM	644	H2'2	A B	2	-5.180	-11.927	94.272	1.00	0.00	H
ATOM	645	H5'1	A B	2	-9.166	-9.694	92.331	1.00	0.00	H
ATOM	646	H5'2	A B	2	-9.899	-10.604	93.668	1.00	0.00	H
ATOM	647	C1'	C B	3	-1.773	-13.705	91.465	1.00	0.00	C
ATOM	648	N1	C B	3	-1.677	-12.299	91.944	1.00	0.00	N
ATOM	649	C2	C B	3	-0.870	-11.417	91.227	1.00	0.00	C
ATOM	650	O2	C B	3	-0.270	-11.837	90.227	1.00	0.00	O
ATOM	651	N3	C B	3	-0.769	-10.134	91.646	1.00	0.00	N
ATOM	652	C4	C B	3	-1.430	-9.710	92.732	1.00	0.00	C
ATOM	653	N4	C B	3	-1.297	-8.442	93.096	1.00	0.00	N
ATOM	654	C5	C B	3	-2.264	-10.594	93.493	1.00	0.00	C
ATOM	655	C6	C B	3	-2.354	-11.883	93.049	1.00	0.00	C
ATOM	656	C2'	C B	3	-1.832	-14.733	92.587	1.00	0.00	C
ATOM	657	C3'	C B	3	-2.771	-15.780	92.008	1.00	0.00	C
ATOM	658	O3'	C B	3	-2.026	-16.673	91.185	1.00	0.00	O
ATOM	659	C4'	C B	3	-3.760	-14.940	91.202	1.00	0.00	C
ATOM	660	O4'	C B	3	-2.960	-13.818	90.705	1.00	0.00	O
ATOM	661	C5'	C B	3	-4.946	-14.389	91.958	1.00	0.00	C
ATOM	662	O5'	C B	3	-4.542	-14.018	93.300	1.00	0.00	O
ATOM	663	O1P	C B	3	-5.811	-15.633	94.757	1.00	0.00	O
ATOM	664	O2P	C B	3	-5.152	-13.384	95.654	1.00	0.00	O
ATOM	665	P	C B	3	-5.586	-14.197	94.491	1.00	0.00	P
ATOM	666	H5	C B	3	-2.797	-10.256	94.381	1.00	0.00	H
ATOM	667	H6	C B	3	-2.982	-12.590	93.590	1.00	0.00	H
ATOM	668	H1'	C B	3	-0.929	-13.897	90.801	1.00	0.00	H
ATOM	669	H3'	C B	3	-3.281	-16.345	92.788	1.00	0.00	H
ATOM	670	H4'	C B	3	-4.142	-15.578	90.405	1.00	0.00	H

ATOM	671	H41	C B	3	-1.797	-8.089	93.925	1.00	0.00	H
ATOM	672	H42	C B	3	-0.696	-7.808	92.549	1.00	0.00	H
ATOM	673	H2'1	C B	3	-2.225	-14.314	93.512	1.00	0.00	H
ATOM	674	H2'2	C B	3	-0.852	-15.158	92.809	1.00	0.00	H
ATOM	675	H5'1	C B	3	-5.330	-13.513	91.434	1.00	0.00	H
ATOM	676	H5'2	C B	3	-5.725	-15.148	92.004	1.00	0.00	H
ATOM	677	C1'	C B	4	2.997	-14.234	90.244	1.00	0.00	C
ATOM	678	N1	C B	4	2.593	-13.301	91.330	1.00	0.00	N
ATOM	679	C2	C B	4	3.066	-11.991	91.277	1.00	0.00	C
ATOM	680	O2	C B	4	3.798	-11.659	90.335	1.00	0.00	O
ATOM	681	N3	C B	4	2.711	-11.126	92.257	1.00	0.00	N
ATOM	682	C4	C B	4	1.918	-11.516	93.265	1.00	0.00	C
ATOM	683	N4	C B	4	1.598	-10.628	94.196	1.00	0.00	N
ATOM	684	C5	C B	4	1.420	-12.858	93.349	1.00	0.00	C
ATOM	685	C6	C B	4	1.788	-13.711	92.347	1.00	0.00	C
ATOM	686	C2'	C B	4	3.268	-15.653	90.722	1.00	0.00	C
ATOM	687	C3'	C B	4	2.758	-16.484	89.554	1.00	0.00	C
ATOM	688	O3'	C B	4	3.785	-16.587	88.570	1.00	0.00	O
ATOM	689	C4'	C B	4	1.562	-15.674	89.058	1.00	0.00	C
ATOM	690	O4'	C B	4	1.940	-14.282	89.304	1.00	0.00	O
ATOM	691	C5'	C B	4	0.240	-15.943	89.739	1.00	0.00	C
ATOM	692	O5'	C B	4	0.460	-16.202	91.149	1.00	0.00	O
ATOM	693	O1P	C B	4	-0.213	-18.613	91.409	1.00	0.00	O
ATOM	694	O2P	C B	4	-0.388	-17.044	93.359	1.00	0.00	O
ATOM	695	P	C B	4	-0.488	-17.246	91.893	1.00	0.00	P
ATOM	696	H5	C B	4	0.782	-13.182	94.171	1.00	0.00	H
ATOM	697	H6	C B	4	1.429	-14.739	92.364	1.00	0.00	H
ATOM	698	H1'	C B	4	3.872	-13.816	89.744	1.00	0.00	H
ATOM	699	H3'	C B	4	2.454	-17.483	89.866	1.00	0.00	H
ATOM	700	H4'	C B	4	1.442	-15.902	87.998	1.00	0.00	H
ATOM	701	H41	C B	4	0.988	-10.900	94.980	1.00	0.00	H
ATOM	702	H42	C B	4	1.959	-9.664	94.135	1.00	0.00	H
ATOM	703	H2'1	C B	4	2.732	-15.890	91.640	1.00	0.00	H
ATOM	704	H2'2	C B	4	4.327	-15.834	90.904	1.00	0.00	H
ATOM	705	H5'1	C B	4	-0.408	-15.074	89.620	1.00	0.00	H
ATOM	706	H5'2	C B	4	-0.231	-16.808	89.275	1.00	0.00	H
ATOM	707	C1'	G B	5	7.687	-12.690	89.862	1.00	0.00	C
ATOM	708	N1	G B	5	6.389	-9.607	93.714	1.00	0.00	N
ATOM	709	C2	G B	5	7.137	-9.345	92.580	1.00	0.00	C
ATOM	710	N2	G B	5	7.601	-8.095	92.455	1.00	0.00	N
ATOM	711	N3	G B	5	7.397	-10.256	91.644	1.00	0.00	N
ATOM	712	C4	G B	5	6.855	-11.466	91.935	1.00	0.00	C
ATOM	713	C5	G B	5	6.101	-11.821	93.042	1.00	0.00	C
ATOM	714	C6	G B	5	5.820	-10.854	94.034	1.00	0.00	C
ATOM	715	O6	G B	5	5.176	-10.976	95.076	1.00	0.00	O
ATOM	716	N7	G B	5	5.735	-13.167	92.965	1.00	0.00	N
ATOM	717	C8	G B	5	6.263	-13.576	91.841	1.00	0.00	C
ATOM	718	N9	G B	5	6.961	-12.599	91.158	1.00	0.00	N
ATOM	719	C2'	G B	5	8.416	-14.012	89.660	1.00	0.00	C
ATOM	720	C3'	G B	5	8.252	-14.239	88.166	1.00	0.00	C
ATOM	721	O3'	G B	5	9.277	-13.532	87.471	1.00	0.00	O
ATOM	722	C4'	G B	5	6.864	-13.667	87.885	1.00	0.00	C
ATOM	723	O4'	G B	5	6.737	-12.552	88.823	1.00	0.00	O
ATOM	724	C5'	G B	5	5.698	-14.605	88.087	1.00	0.00	C



ATOM	725	O5'	G B	5	5.956	-15.470	89.222	1.00	0.00	O
ATOM	726	O1P	G B	5	6.144	-17.755	88.183	1.00	0.00	O
ATOM	727	O2P	G B	5	5.391	-17.517	90.564	1.00	0.00	O
ATOM	728	P	G B	5	5.404	-16.966	89.188	1.00	0.00	P
ATOM	729	H1	G B	5	6.238	-8.830	94.375	1.00	0.00	H
ATOM	730	H8	G B	5	6.163	-14.596	91.473	1.00	0.00	H
ATOM	731	H1'	G B	5	8.378	-11.850	89.799	1.00	0.00	H
ATOM	732	H21	G B	5	7.392	-7.395	93.181	1.00	0.00	H
ATOM	733	H3'	G B	5	8.303	-15.296	87.905	1.00	0.00	H
ATOM	734	H22	G B	5	8.168	-7.836	91.636	1.00	0.00	H
ATOM	735	H4'	G B	5	6.858	-13.348	86.843	1.00	0.00	H
ATOM	736	H2'1	G B	5	7.969	-14.823	90.235	1.00	0.00	H
ATOM	737	H2'2	G B	5	9.468	-13.951	89.940	1.00	0.00	H
ATOM	738	H5'1	G B	5	4.796	-14.021	88.266	1.00	0.00	H
ATOM	739	H5'2	G B	5	5.564	-15.208	87.188	1.00	0.00	H
ATOM	740	C1'	T B	6	11.581	-9.911	91.135	1.00	0.00	C
ATOM	741	N1	T B	6	10.833	-10.672	92.172	1.00	0.00	N
ATOM	742	C2	T B	6	10.414	-9.973	93.286	1.00	0.00	C
ATOM	743	O2	T B	6	10.632	-8.784	93.440	1.00	0.00	O
ATOM	744	N3	T B	6	9.722	-10.719	94.222	1.00	0.00	N
ATOM	745	C4	T B	6	9.425	-12.063	94.148	1.00	0.00	C
ATOM	746	O4	T B	6	8.801	-12.625	95.055	1.00	0.00	O
ATOM	747	C5	T B	6	9.905	-12.707	92.948	1.00	0.00	C
ATOM	748	C6	T B	6	10.581	-12.012	92.012	1.00	0.00	C
ATOM	749	C7	T B	6	9.601	-14.171	92.823	1.00	0.00	C
ATOM	750	C2'	T B	6	12.716	-10.701	90.493	1.00	0.00	C
ATOM	751	C3'	T B	6	12.675	-10.202	89.057	1.00	0.00	C
ATOM	752	O3'	T B	6	13.422	-8.992	88.960	1.00	0.00	O
ATOM	753	C4'	T B	6	11.184	-9.982	88.814	1.00	0.00	C
ATOM	754	O4'	T B	6	10.666	-9.557	90.117	1.00	0.00	O
ATOM	755	C5'	T B	6	10.393	-11.184	88.351	1.00	0.00	C
ATOM	756	O5'	T B	6	10.897	-12.380	88.997	1.00	0.00	O
ATOM	757	O1P	T B	6	11.867	-13.707	87.090	1.00	0.00	O
ATOM	758	O2P	T B	6	11.017	-14.886	89.136	1.00	0.00	O
ATOM	759	P	T B	6	10.879	-13.754	88.188	1.00	0.00	P
ATOM	760	H3	T B	6	9.394	-10.218	95.063	1.00	0.00	H
ATOM	761	H6	T B	6	10.933	-12.521	91.115	1.00	0.00	H
ATOM	762	H1'	T B	6	11.952	-8.992	91.587	1.00	0.00	H
ATOM	763	H3'	T B	6	13.084	-10.934	88.360	1.00	0.00	H
ATOM	764	H4'	T B	6	11.098	-9.211	88.048	1.00	0.00	H
ATOM	765	H71	T B	6	10.532	-14.738	92.848	1.00	0.00	H
ATOM	766	H72	T B	6	8.962	-14.482	93.650	1.00	0.00	H
ATOM	767	H73	T B	6	9.089	-14.357	91.878	1.00	0.00	H
ATOM	768	H2'1	T B	6	12.552	-11.775	90.546	1.00	0.00	H
ATOM	769	H2'2	T B	6	13.679	-10.492	90.958	1.00	0.00	H
ATOM	770	H5'1	T B	6	9.343	-11.043	88.604	1.00	0.00	H
ATOM	771	H5'2	T B	6	10.492	-11.280	87.270	1.00	0.00	H
ATOM	772	C1'	C B	7	14.231	-7.174	94.320	1.00	0.00	C
ATOM	773	N1	C B	7	13.772	-8.541	94.697	1.00	0.00	N
ATOM	774	C2	C B	7	13.099	-8.691	95.908	1.00	0.00	C
ATOM	775	O2	C B	7	12.911	-7.691	96.616	1.00	0.00	O
ATOM	776	N3	C B	7	12.673	-9.926	96.270	1.00	0.00	N
ATOM	777	C4	C B	7	12.892	-10.988	95.484	1.00	0.00	C
ATOM	778	N4	C B	7	12.451	-12.169	95.886	1.00	0.00	N

ATOM	779	C5	C B	7	13.586	-10.863	94.235	1.00	0.00	C
ATOM	780	C6	C B	7	14.001	-9.609	93.889	1.00	0.00	C
ATOM	781	C2'	C B	7	15.585	-7.152	93.625	1.00	0.00	C
ATOM	782	C3'	C B	7	15.407	-6.023	92.622	1.00	0.00	C
ATOM	783	O3'	C B	7	15.682	-4.780	93.264	1.00	0.00	O
ATOM	784	C4'	C B	7	13.940	-6.153	92.220	1.00	0.00	C
ATOM	785	O4'	C B	7	13.274	-6.628	93.432	1.00	0.00	O
ATOM	786	C5'	C B	7	13.634	-7.112	91.092	1.00	0.00	C
ATOM	787	O5'	C B	7	14.511	-8.263	91.179	1.00	0.00	O
ATOM	788	O1P	C B	7	15.930	-8.073	89.109	1.00	0.00	O
ATOM	789	O2P	C B	7	15.500	-10.322	90.132	1.00	0.00	O
ATOM	790	P	C B	7	14.997	-8.961	89.829	1.00	0.00	P
ATOM	791	H5	C B	7	13.773	-11.726	93.596	1.00	0.00	H
ATOM	792	H6	C B	7	14.526	-9.463	92.945	1.00	0.00	H
ATOM	793	H1'	C B	7	14.243	-6.558	95.219	1.00	0.00	H
ATOM	794	H3'	C B	7	16.063	-6.136	91.758	1.00	0.00	H
ATOM	795	H4'	C B	7	13.606	-5.162	91.910	1.00	0.00	H
ATOM	796	H41	C B	7	12.603	-13.003	95.298	1.00	0.00	H
ATOM	797	H42	C B	7	11.955	-12.257	96.785	1.00	0.00	H
ATOM	798	H2'1	C B	7	15.808	-8.094	93.126	1.00	0.00	H
ATOM	799	H2'2	C B	7	16.401	-6.946	94.315	1.00	0.00	H
ATOM	800	H5'1	C B	7	12.595	-7.434	91.167	1.00	0.00	H
ATOM	801	H5'2	C B	7	13.786	-6.605	90.141	1.00	0.00	H
ATOM	802	C1'	C B	8	15.714	-5.786	98.837	1.00	0.00	C
ATOM	803	N1	C B	8	15.742	-7.220	98.439	1.00	0.00	N
ATOM	804	C2	C B	8	15.133	-8.145	99.284	1.00	0.00	C
ATOM	805	O2	C B	8	14.597	-7.740	100.323	1.00	0.00	O
ATOM	806	N3	C B	8	15.147	-9.455	98.940	1.00	0.00	N
ATOM	807	C4	C B	8	15.737	-9.862	97.808	1.00	0.00	C
ATOM	808	N4	C B	8	15.718	-11.156	97.518	1.00	0.00	N
ATOM	809	C5	C B	8	16.377	-8.936	96.920	1.00	0.00	C
ATOM	810	C6	C B	8	16.344	-7.619	97.286	1.00	0.00	C
ATOM	811	C2'	C B	8	16.994	-5.031	98.508	1.00	0.00	C
ATOM	812	C3'	C B	8	16.466	-3.656	98.133	1.00	0.00	C
ATOM	813	O3'	C B	8	16.281	-2.887	99.320	1.00	0.00	O
ATOM	814	C4'	C B	8	15.142	-3.978	97.443	1.00	0.00	C
ATOM	815	O4'	C B	8	14.650	-5.167	98.140	1.00	0.00	O
ATOM	816	C5'	C B	8	15.211	-4.278	95.964	1.00	0.00	C
ATOM	817	O5'	C B	8	16.427	-5.013	95.670	1.00	0.00	O
ATOM	818	O1P	C B	8	17.746	-3.409	94.246	1.00	0.00	O
ATOM	819	O2P	C B	8	18.088	-5.882	93.998	1.00	0.00	O
ATOM	820	P	C B	8	17.156	-4.763	94.275	1.00	0.00	P
ATOM	821	H5	C B	8	16.863	-9.263	96.002	1.00	0.00	H
ATOM	822	H6	C B	8	16.811	-6.875	96.639	1.00	0.00	H
ATOM	823	H1'	C B	8	15.492	-5.733	99.903	1.00	0.00	H
ATOM	824	H3'	C B	8	17.141	-3.127	97.462	1.00	0.00	H
ATOM	825	H4'	C B	8	14.497	-3.109	97.574	1.00	0.00	H
ATOM	826	H41	C B	8	16.162	-11.496	96.652	1.00	0.00	H
ATOM	827	H42	C B	8	15.261	-11.821	98.158	1.00	0.00	H
ATOM	828	H2'1	C B	8	17.540	-5.485	97.680	1.00	0.00	H
ATOM	829	H2'2	C B	8	17.674	-4.979	99.359	1.00	0.00	H
ATOM	830	H5'1	C B	8	14.344	-4.875	95.678	1.00	0.00	H
ATOM	831	H5'2	C B	8	15.203	-3.343	95.408	1.00	0.00	H
ATOM	832	C1'	T B	9	16.523	-6.484	103.669	1.00	0.00	C

ATOM	833	N1	T B	9	17.043	-7.460	102.677	1.00	0.00	N
ATOM	834	C2	T B	9	16.750	-8.792	102.889	1.00	0.00	C
ATOM	835	O2	T B	9	16.098	-9.178	103.843	1.00	0.00	O
ATOM	836	N3	T B	9	17.251	-9.665	101.942	1.00	0.00	N
ATOM	837	C4	T B	9	18.000	-9.332	100.833	1.00	0.00	C
ATOM	838	O4	T B	9	18.397	-10.206	100.053	1.00	0.00	O
ATOM	839	C5	T B	9	18.253	-7.916	100.693	1.00	0.00	C
ATOM	840	C6	T B	9	17.780	-7.038	101.598	1.00	0.00	C
ATOM	841	C7	T B	9	19.062	-7.511	99.499	1.00	0.00	C
ATOM	842	C2'	T B	9	17.484	-5.338	103.965	1.00	0.00	C
ATOM	843	C3'	T B	9	16.532	-4.169	104.169	1.00	0.00	C
ATOM	844	O3'	T B	9	16.071	-4.170	105.518	1.00	0.00	O
ATOM	845	C4'	T B	9	15.412	-4.467	103.174	1.00	0.00	C
ATOM	846	O4'	T B	9	15.331	-5.928	103.149	1.00	0.00	O
ATOM	847	C5'	T B	9	15.616	-3.968	101.762	1.00	0.00	C
ATOM	848	O5'	T B	9	17.015	-4.086	101.399	1.00	0.00	O
ATOM	849	O1P	T B	9	17.752	-1.695	101.137	1.00	0.00	O
ATOM	850	O2P	T B	9	18.913	-3.515	99.856	1.00	0.00	O
ATOM	851	P	T B	9	17.652	-2.991	100.433	1.00	0.00	P
ATOM	852	H3	T B	9	17.044	-10.664	102.076	1.00	0.00	H
ATOM	853	H6	T B	9	17.985	-5.975	101.472	1.00	0.00	H
ATOM	854	H1'	T B	9	16.270	-7.024	104.582	1.00	0.00	H
ATOM	855	H3'	T B	9	17.008	-3.214	103.950	1.00	0.00	H
ATOM	856	H4'	T B	9	14.508	-3.997	103.566	1.00	0.00	H
ATOM	857	H71	T B	9	20.016	-7.097	99.828	1.00	0.00	H
ATOM	858	H72	T B	9	19.242	-8.381	98.867	1.00	0.00	H
ATOM	859	H73	T B	9	18.518	-6.756	98.930	1.00	0.00	H
ATOM	860	H2'1	T B	9	18.170	-5.151	103.141	1.00	0.00	H
ATOM	861	H2'2	T B	9	18.084	-5.521	104.856	1.00	0.00	H
ATOM	862	H5'1	T B	9	15.007	-4.562	101.081	1.00	0.00	H
ATOM	863	H5'2	T B	9	15.307	-2.926	101.705	1.00	0.00	H
ATOM	864	C1'	A B	10	17.400	-9.279	107.676	1.00	0.00	C
ATOM	865	N1	A B	10	19.386	-12.556	104.262	1.00	0.00	N
ATOM	866	C2	A B	10	18.607	-12.729	105.327	1.00	0.00	C
ATOM	867	N3	A B	10	18.127	-11.836	106.164	1.00	0.00	N
ATOM	868	C4	A B	10	18.540	-10.604	105.821	1.00	0.00	C
ATOM	869	C5	A B	10	19.338	-10.258	104.764	1.00	0.00	C
ATOM	870	C6	A B	10	19.781	-11.315	103.942	1.00	0.00	C
ATOM	871	N6	A B	10	20.569	-11.126	102.869	1.00	0.00	N
ATOM	872	N7	A B	10	19.550	-8.891	104.724	1.00	0.00	N
ATOM	873	C8	A B	10	18.887	-8.443	105.749	1.00	0.00	C
ATOM	874	N9	A B	10	18.245	-9.424	106.460	1.00	0.00	N
ATOM	875	C2'	A B	10	17.900	-8.219	108.647	1.00	0.00	C
ATOM	876	C3'	A B	10	16.601	-7.643	109.187	1.00	0.00	C
ATOM	877	O3'	A B	10	16.139	-8.458	110.262	1.00	0.00	O
ATOM	878	C4'	A B	10	15.672	-7.708	107.975	1.00	0.00	C
ATOM	879	O4'	A B	10	16.100	-8.908	107.255	1.00	0.00	O
ATOM	880	C5'	A B	10	15.721	-6.531	107.029	1.00	0.00	C
ATOM	881	O5'	A B	10	17.083	-6.042	106.925	1.00	0.00	O
ATOM	882	O1P	A B	10	16.955	-3.749	107.956	1.00	0.00	O
ATOM	883	O2P	A B	10	18.699	-4.251	106.223	1.00	0.00	O
ATOM	884	P	A B	10	17.322	-4.477	106.726	1.00	0.00	P
ATOM	885	H2	A B	10	18.326	-13.761	105.533	1.00	0.00	H
ATOM	886	H8	A B	10	18.845	-7.388	106.018	1.00	0.00	H

ATOM	887	H1'	A B	10	17.331	-10.252	108.161	1.00	0.00	H
ATOM	888	H3'	A B	10	16.722	-6.618	109.535	1.00	0.00	H
ATOM	889	H4'	A B	10	14.655	-7.783	108.359	1.00	0.00	H
ATOM	890	H61	A B	10	20.863	-11.933	102.301	1.00	0.00	H
ATOM	891	H62	A B	10	20.878	-10.177	102.617	1.00	0.00	H
ATOM	892	H2'1	A B	10	18.497	-7.452	108.153	1.00	0.00	H
ATOM	893	H2'2	A B	10	18.508	-8.644	109.447	1.00	0.00	H
ATOM	894	H5'1	A B	10	15.369	-6.847	106.046	1.00	0.00	H
ATOM	895	H5'2	A B	10	15.073	-5.741	107.405	1.00	0.00	H
ATOM	896	C1'	G B	11	19.098	-13.334	109.981	1.00	0.00	C
ATOM	897	N1	G B	11	22.158	-13.693	105.914	1.00	0.00	N
ATOM	898	C2	G B	11	21.455	-14.678	106.587	1.00	0.00	C
ATOM	899	N2	G B	11	21.587	-15.923	106.114	1.00	0.00	N
ATOM	900	N3	G B	11	20.682	-14.437	107.645	1.00	0.00	N
ATOM	901	C4	G B	11	20.671	-13.124	107.990	1.00	0.00	C
ATOM	902	C5	G B	11	21.342	-12.075	107.382	1.00	0.00	C
ATOM	903	C6	G B	11	22.159	-12.328	106.256	1.00	0.00	C
ATOM	904	O6	G B	11	22.827	-11.537	105.588	1.00	0.00	O
ATOM	905	N7	G B	11	21.067	-10.877	108.045	1.00	0.00	N
ATOM	906	C8	G B	11	20.254	-11.228	109.009	1.00	0.00	C
ATOM	907	N9	G B	11	19.968	-12.578	109.041	1.00	0.00	N
ATOM	908	C2'	G B	11	19.172	-12.839	111.419	1.00	0.00	C
ATOM	909	C3'	G B	11	17.740	-13.030	111.894	1.00	0.00	C
ATOM	910	O3'	G B	11	17.570	-14.375	112.334	1.00	0.00	O
ATOM	911	C4'	G B	11	16.922	-12.724	110.641	1.00	0.00	C
ATOM	912	O4'	G B	11	17.762	-13.195	109.539	1.00	0.00	O
ATOM	913	C5'	G B	11	16.578	-11.274	110.402	1.00	0.00	C
ATOM	914	O5'	G B	11	17.681	-10.433	110.821	1.00	0.00	O
ATOM	915	O1P	G B	11	16.732	-9.155	112.770	1.00	0.00	O
ATOM	916	O2P	G B	11	18.581	-8.159	111.396	1.00	0.00	O
ATOM	917	P	G B	11	17.360	-9.000	111.444	1.00	0.00	P
ATOM	918	H1	G B	11	22.722	-13.983	105.101	1.00	0.00	H
ATOM	919	H8	G B	11	19.841	-10.518	109.723	1.00	0.00	H
ATOM	920	H1'	G B	11	19.364	-14.390	109.917	1.00	0.00	H
ATOM	921	H21	G B	11	22.183	-16.100	105.293	1.00	0.00	H
ATOM	922	H3'	G B	11	17.484	-12.350	112.706	1.00	0.00	H
ATOM	923	H22	G B	11	21.093	-16.702	106.572	1.00	0.00	H
ATOM	924	H4'	G B	11	15.987	-13.278	110.730	1.00	0.00	H
ATOM	925	H2'1	G B	11	19.473	-11.793	111.481	1.00	0.00	H
ATOM	926	H2'2	G B	11	19.871	-13.418	112.021	1.00	0.00	H
ATOM	927	H5'1	G B	11	16.381	-11.123	109.341	1.00	0.00	H
ATOM	928	H5'2	G B	11	15.684	-11.021	110.972	1.00	0.00	H
ATOM	929	C1'	G B	12	22.015	-17.312	110.429	1.00	0.00	C
ATOM	930	N1	G B	12	25.111	-14.683	107.339	1.00	0.00	N
ATOM	931	C2	G B	12	24.772	-16.026	107.326	1.00	0.00	C
ATOM	932	N2	G B	12	25.334	-16.766	106.362	1.00	0.00	N
ATOM	933	N3	G B	12	23.939	-16.583	108.202	1.00	0.00	N
ATOM	934	C4	G B	12	23.470	-15.687	109.111	1.00	0.00	C
ATOM	935	C5	G B	12	23.754	-14.336	109.203	1.00	0.00	C
ATOM	936	C6	G B	12	24.634	-13.742	108.271	1.00	0.00	C
ATOM	937	O6	G B	12	25.007	-12.571	108.192	1.00	0.00	O
ATOM	938	N7	G B	12	23.067	-13.771	110.281	1.00	0.00	N
ATOM	939	C8	G B	12	22.402	-14.774	110.793	1.00	0.00	C
ATOM	940	N9	G B	12	22.596	-15.972	110.137	1.00	0.00	N

ATOM	941	C2'	G B	12	21.879	-17.610	111.915	1.00	0.00	C
ATOM	942	C3'	G B	12	20.589	-18.415	111.961	1.00	0.00	C
ATOM	943	O3'	G B	12	20.880	-19.782	111.681	1.00	0.00	O
ATOM	944	C4'	G B	12	19.746	-17.767	110.863	1.00	0.00	C
ATOM	945	O4'	G B	12	20.723	-17.356	109.854	1.00	0.00	O
ATOM	946	C5'	G B	12	18.931	-16.562	111.266	1.00	0.00	C
ATOM	947	O5'	G B	12	19.668	-15.771	112.232	1.00	0.00	O
ATOM	948	O1P	G B	12	18.291	-15.981	114.328	1.00	0.00	O
ATOM	949	O2P	G B	12	19.719	-13.950	113.964	1.00	0.00	O
ATOM	950	P	G B	12	18.860	-15.008	113.377	1.00	0.00	P
ATOM	951	H1	G B	12	25.760	-14.349	106.610	1.00	0.00	H
ATOM	952	H8	G B	12	21.751	-14.674	111.662	1.00	0.00	H
ATOM	953	H1'	G B	12	22.628	-18.064	109.933	1.00	0.00	H
ATOM	954	H21	G B	12	25.976	-16.328	105.685	1.00	0.00	H
ATOM	955	H3'	G B	12	20.095	-18.341	112.929	1.00	0.00	H
ATOM	956	H22	G B	12	25.126	-17.773	106.301	1.00	0.00	H
ATOM	957	H4'	G B	12	19.057	-18.529	110.502	1.00	0.00	H
ATOM	958	H2'1	G B	12	21.802	-16.703	112.514	1.00	0.00	H
ATOM	959	H2'2	G B	12	22.720	-18.187	112.301	1.00	0.00	H
ATOM	960	H5'1	G B	12	18.721	-15.960	110.382	1.00	0.00	H
ATOM	961	H5'2	G B	12	17.991	-16.896	111.704	1.00	0.00	H
ATOM	962	C1'	T B	13	26.095	-19.967	109.533	1.00	0.00	C
ATOM	963	N1	T B	13	26.206	-18.558	109.995	1.00	0.00	N
ATOM	964	C2	T B	13	27.016	-17.715	109.259	1.00	0.00	C
ATOM	965	O2	T B	13	27.625	-18.084	108.270	1.00	0.00	O
ATOM	966	N3	T B	13	27.089	-16.415	109.724	1.00	0.00	N
ATOM	967	C4	T B	13	26.445	-15.898	110.829	1.00	0.00	C
ATOM	968	O4	T B	13	26.590	-14.713	111.150	1.00	0.00	O
ATOM	969	C5	T B	13	25.622	-16.854	111.532	1.00	0.00	C
ATOM	970	C6	T B	13	25.525	-18.130	111.108	1.00	0.00	C
ATOM	971	C7	T B	13	24.899	-16.336	112.740	1.00	0.00	C
ATOM	972	C2'	T B	13	26.029	-20.983	110.668	1.00	0.00	C
ATOM	973	C3'	T B	13	25.077	-22.026	110.104	1.00	0.00	C
ATOM	974	O3'	T B	13	25.813	-22.938	109.291	1.00	0.00	O
ATOM	975	C4'	T B	13	24.096	-21.188	109.289	1.00	0.00	C
ATOM	976	O4'	T B	13	24.906	-20.082	108.777	1.00	0.00	O
ATOM	977	C5'	T B	13	22.916	-20.615	110.040	1.00	0.00	C
ATOM	978	O5'	T B	13	23.326	-20.233	111.378	1.00	0.00	O
ATOM	979	O1P	T B	13	22.046	-21.817	112.854	1.00	0.00	O
ATOM	980	O2P	T B	13	22.726	-19.563	113.724	1.00	0.00	O
ATOM	981	P	T B	13	22.283	-20.387	112.573	1.00	0.00	P
ATOM	982	H3	T B	13	27.684	-15.765	109.190	1.00	0.00	H
ATOM	983	H6	T B	13	24.898	-18.832	111.656	1.00	0.00	H
ATOM	984	H1'	T B	13	26.935	-20.177	108.871	1.00	0.00	H
ATOM	985	H3'	T B	13	24.565	-22.578	110.891	1.00	0.00	H
ATOM	986	H4'	T B	13	23.707	-21.832	108.500	1.00	0.00	H
ATOM	987	H71	T B	13	25.285	-16.826	113.634	1.00	0.00	H
ATOM	988	H72	T B	13	25.054	-15.258	112.822	1.00	0.00	H
ATOM	989	H73	T B	13	23.833	-16.542	112.645	1.00	0.00	H
ATOM	990	H2'1	T B	13	25.641	-20.548	111.588	1.00	0.00	H
ATOM	991	H2'2	T B	13	27.003	-21.414	110.895	1.00	0.00	H
ATOM	992	H5'1	T B	13	22.540	-19.743	109.505	1.00	0.00	H
ATOM	993	H5'2	T B	13	22.131	-21.368	110.098	1.00	0.00	H
ATOM	994	C1'	G B	14	30.878	-20.479	108.303	1.00	0.00	C

ATOM	995	N1	G B	14	31.280	-15.723	110.106	1.00	0.00	N
ATOM	996	C2	G B	14	31.838	-16.294	108.976	1.00	0.00	C
ATOM	997	N2	G B	14	32.605	-15.494	108.228	1.00	0.00	N
ATOM	998	N3	G B	14	31.644	-17.563	108.621	1.00	0.00	N
ATOM	999	C4	G B	14	30.845	-18.229	109.497	1.00	0.00	C
ATOM	1000	C5	G B	14	30.249	-17.744	110.649	1.00	0.00	C
ATOM	1001	C6	G B	14	30.452	-16.396	111.026	1.00	0.00	C
ATOM	1002	O6	G B	14	30.013	-15.789	112.003	1.00	0.00	O
ATOM	1003	N7	G B	14	29.506	-18.752	111.270	1.00	0.00	N
ATOM	1004	C8	G B	14	29.670	-19.789	110.490	1.00	0.00	C
ATOM	1005	N9	G B	14	30.472	-19.551	109.392	1.00	0.00	N
ATOM	1006	C2'	G B	14	31.147	-21.901	108.775	1.00	0.00	C
ATOM	1007	C3'	G B	14	30.640	-22.726	107.602	1.00	0.00	C
ATOM	1008	O3'	G B	14	31.670	-22.825	106.622	1.00	0.00	O
ATOM	1009	C4'	G B	14	29.445	-21.914	107.107	1.00	0.00	C
ATOM	1010	O4'	G B	14	29.825	-20.524	107.359	1.00	0.00	O
ATOM	1011	C5'	G B	14	28.122	-22.185	107.782	1.00	0.00	C
ATOM	1012	O5'	G B	14	28.336	-22.449	109.192	1.00	0.00	O
ATOM	1013	O1P	G B	14	27.662	-24.861	109.442	1.00	0.00	O
ATOM	1014	O2P	G B	14	27.482	-23.299	111.396	1.00	0.00	O
ATOM	1015	P	G B	14	27.386	-23.497	109.929	1.00	0.00	P
ATOM	1016	H1	G B	14	31.487	-14.729	110.289	1.00	0.00	H
ATOM	1017	H8	G B	14	29.212	-20.759	110.691	1.00	0.00	H
ATOM	1018	H1'	G B	14	31.754	-20.060	107.806	1.00	0.00	H
ATOM	1019	H21	G B	14	32.748	-14.511	108.509	1.00	0.00	H
ATOM	1020	H3'	G B	14	30.336	-23.727	107.909	1.00	0.00	H
ATOM	1021	H22	G B	14	33.054	-15.858	107.376	1.00	0.00	H
ATOM	1022	H4'	G B	14	29.330	-22.137	106.046	1.00	0.00	H
ATOM	1023	H2'1	G B	14	30.608	-22.141	109.691	1.00	0.00	H
ATOM	1024	H2'2	G B	14	32.205	-22.083	108.961	1.00	0.00	H
ATOM	1025	H5'1	G B	14	27.476	-21.316	107.665	1.00	0.00	H
ATOM	1026	H5'2	G B	14	27.652	-23.049	107.313	1.00	0.00	H
ATOM	1027	C1'	C B	15	35.569	-18.935	107.920	1.00	0.00	C
ATOM	1028	N1	C B	15	34.843	-18.838	109.215	1.00	0.00	N
ATOM	1029	C2	C B	15	34.839	-17.609	109.871	1.00	0.00	C
ATOM	1030	O2	C B	15	35.434	-16.654	109.352	1.00	0.00	O
ATOM	1031	N3	C B	15	34.183	-17.498	111.052	1.00	0.00	N
ATOM	1032	C4	C B	15	33.550	-18.548	111.587	1.00	0.00	C
ATOM	1033	N4	C B	15	32.921	-18.384	112.742	1.00	0.00	N
ATOM	1034	C5	C B	15	33.540	-19.829	110.938	1.00	0.00	C
ATOM	1035	C6	C B	15	34.203	-19.913	109.748	1.00	0.00	C
ATOM	1036	C2'	C B	15	36.298	-20.257	107.724	1.00	0.00	C
ATOM	1037	C3'	C B	15	36.133	-20.491	106.230	1.00	0.00	C
ATOM	1038	O3'	C B	15	37.157	-19.787	105.529	1.00	0.00	O
ATOM	1039	C4'	C B	15	34.745	-19.922	105.947	1.00	0.00	C
ATOM	1040	O4'	C B	15	34.616	-18.803	106.881	1.00	0.00	O
ATOM	1041	C5'	C B	15	33.579	-20.861	106.156	1.00	0.00	C
ATOM	1042	O5'	C B	15	33.840	-21.720	107.294	1.00	0.00	O
ATOM	1043	O1P	C B	15	34.029	-24.010	106.266	1.00	0.00	O
ATOM	1044	O2P	C B	15	33.278	-23.762	108.648	1.00	0.00	O
ATOM	1045	P	C B	15	33.290	-23.216	107.268	1.00	0.00	P
ATOM	1046	H5	C B	15	33.030	-20.687	111.374	1.00	0.00	H
ATOM	1047	H6	C B	15	34.218	-20.863	109.213	1.00	0.00	H
ATOM	1048	H1'	C B	15	36.259	-18.093	107.851	1.00	0.00	H

ATOM	1049	H3'	C	B	15	36.183	-21.549	105.974	1.00	0.00	H
ATOM	1050	H4'	C	B	15	34.737	-19.609	104.903	1.00	0.00	H
ATOM	1051	H41	C	B	15	32.422	-19.175	113.176	1.00	0.00	H
ATOM	1052	H42	C	B	15	32.932	-17.465	113.208	1.00	0.00	H
ATOM	1053	H2'1	C	B	15	35.854	-21.065	108.303	1.00	0.00	H
ATOM	1054	H2'2	C	B	15	37.351	-20.194	108.002	1.00	0.00	H
ATOM	1055	H5'1	C	B	15	32.676	-20.277	106.333	1.00	0.00	H
ATOM	1056	H5'2	C	B	15	33.444	-21.468	105.260	1.00	0.00	H
ATOM	1057	C1'	G	B	16	39.452	-16.149	109.214	1.00	0.00	C
ATOM	1058	N1	G	B	16	37.081	-15.944	113.726	1.00	0.00	N
ATOM	1059	C2	G	B	16	37.721	-14.946	113.013	1.00	0.00	C
ATOM	1060	N2	G	B	16	37.731	-13.732	113.578	1.00	0.00	N
ATOM	1061	N3	G	B	16	38.302	-15.143	111.831	1.00	0.00	N
ATOM	1062	C4	G	B	16	38.201	-16.432	111.414	1.00	0.00	C
ATOM	1063	C5	G	B	16	37.587	-17.494	112.058	1.00	0.00	C
ATOM	1064	C6	G	B	16	36.967	-17.284	113.312	1.00	0.00	C
ATOM	1065	O6	G	B	16	36.377	-18.093	114.031	1.00	0.00	O
ATOM	1066	N7	G	B	16	37.707	-18.657	111.295	1.00	0.00	N
ATOM	1067	C8	G	B	16	38.371	-18.272	110.234	1.00	0.00	C
ATOM	1068	N9	G	B	16	38.708	-16.933	110.235	1.00	0.00	N
ATOM	1069	C2'	G	B	16	40.595	-16.918	108.563	1.00	0.00	C
ATOM	1070	C3'	G	B	16	40.556	-16.397	107.136	1.00	0.00	C
ATOM	1071	O3'	G	B	16	41.293	-15.179	107.062	1.00	0.00	O
ATOM	1072	C4'	G	B	16	39.063	-16.184	106.892	1.00	0.00	C
ATOM	1073	O4'	G	B	16	38.538	-15.785	108.198	1.00	0.00	O
ATOM	1074	C5'	G	B	16	38.285	-17.384	106.405	1.00	0.00	C
ATOM	1075	O5'	G	B	16	38.796	-18.587	107.031	1.00	0.00	O
ATOM	1076	O1P	G	B	16	39.782	-19.873	105.107	1.00	0.00	O
ATOM	1077	O2P	G	B	16	38.936	-21.093	107.128	1.00	0.00	O
ATOM	1078	P	G	B	16	38.793	-19.947	106.198	1.00	0.00	P
ATOM	1079	H1	G	B	16	36.657	-15.686	114.629	1.00	0.00	H
ATOM	1080	H8	G	B	16	38.634	-18.949	109.422	1.00	0.00	H
ATOM	1081	H1'	G	B	16	39.814	-15.234	109.684	1.00	0.00	H
ATOM	1082	H21	G	B	16	37.277	-13.586	114.491	1.00	0.00	H
ATOM	1083	H3'	G	B	16	40.972	-17.113	106.428	1.00	0.00	H
ATOM	1084	H22	G	B	16	38.193	-12.947	113.098	1.00	0.00	H
ATOM	1085	H4'	G	B	16	38.974	-15.401	106.139	1.00	0.00	H
ATOM	1086	H2'1	G	B	16	40.439	-17.996	108.597	1.00	0.00	H
ATOM	1087	H2'2	G	B	16	41.555	-16.709	109.037	1.00	0.00	H
ATOM	1088	H5'1	G	B	16	37.233	-17.255	106.658	1.00	0.00	H
ATOM	1089	H5'2	G	B	16	38.388	-17.460	105.322	1.00	0.00	H
ATOM	1090	C1'	G	B	17	42.111	-13.421	112.378	1.00	0.00	C
ATOM	1091	N1	G	B	17	39.705	-16.203	115.912	1.00	0.00	N
ATOM	1092	C2	G	B	17	39.980	-14.847	115.886	1.00	0.00	C
ATOM	1093	N2	G	B	17	39.560	-14.139	116.941	1.00	0.00	N
ATOM	1094	N3	G	B	17	40.622	-14.247	114.885	1.00	0.00	N
ATOM	1095	C4	G	B	17	40.980	-15.118	113.906	1.00	0.00	C
ATOM	1096	C5	G	B	17	40.752	-16.481	113.848	1.00	0.00	C
ATOM	1097	C6	G	B	17	40.068	-17.120	114.907	1.00	0.00	C
ATOM	1098	O6	G	B	17	39.774	-18.308	115.038	1.00	0.00	O
ATOM	1099	N7	G	B	17	41.281	-17.011	112.670	1.00	0.00	N
ATOM	1100	C8	G	B	17	41.799	-15.975	112.062	1.00	0.00	C
ATOM	1101	N9	G	B	17	41.657	-14.788	112.751	1.00	0.00	N
ATOM	1102	C2'	G	B	17	43.464	-13.395	111.679	1.00	0.00	C

ATOM	1103	C3'	G B	17	43.284	-12.261	110.681	1.00	0.00	C
ATOM	1104	O3'	G B	17	43.559	-11.020	111.327	1.00	0.00	O
ATOM	1105	C4'	G B	17	41.815	-12.391	110.282	1.00	0.00	C
ATOM	1106	O4'	G B	17	41.154	-12.873	111.495	1.00	0.00	O
ATOM	1107	C5'	G B	17	41.509	-13.345	109.152	1.00	0.00	C
ATOM	1108	O5'	G B	17	42.385	-14.497	109.232	1.00	0.00	O
ATOM	1109	O1P	G B	17	43.800	-14.295	107.159	1.00	0.00	O
ATOM	1110	O2P	G B	17	43.374	-16.550	108.173	1.00	0.00	O
ATOM	1111	P	G B	17	42.869	-15.188	107.878	1.00	0.00	P
ATOM	1112	H1	G B	17	39.196	-16.569	116.732	1.00	0.00	H
ATOM	1113	H8	G B	17	42.299	-16.042	111.096	1.00	0.00	H
ATOM	1114	H1'	G B	17	42.126	-12.808	113.279	1.00	0.00	H
ATOM	1115	H21	G B	17	39.060	-14.609	117.710	1.00	0.00	H
ATOM	1116	H3'	G B	17	43.937	-12.371	109.816	1.00	0.00	H
ATOM	1117	H22	G B	17	39.735	-13.125	116.982	1.00	0.00	H
ATOM	1118	H4'	G B	17	41.480	-11.400	109.979	1.00	0.00	H
ATOM	1119	H2'1	G B	17	43.687	-14.335	111.175	1.00	0.00	H
ATOM	1120	H2'2	G B	17	44.283	-13.190	112.369	1.00	0.00	H
ATOM	1121	H5'1	G B	17	40.470	-13.667	109.227	1.00	0.00	H
ATOM	1122	H5'2	G B	17	41.657	-12.834	108.201	1.00	0.00	H
ATOM	1123	C1'	C B	18	43.595	-12.031	116.895	1.00	0.00	C
ATOM	1124	N1	C B	18	43.623	-13.466	116.495	1.00	0.00	N
ATOM	1125	C2	C B	18	43.013	-14.390	117.342	1.00	0.00	C
ATOM	1126	O2	C B	18	42.477	-13.986	118.381	1.00	0.00	O
ATOM	1127	N3	C B	18	43.028	-15.700	116.996	1.00	0.00	N
ATOM	1128	C4	C B	18	43.618	-16.107	115.864	1.00	0.00	C
ATOM	1129	N4	C B	18	43.601	-17.399	115.575	1.00	0.00	N
ATOM	1130	C5	C B	18	44.255	-15.179	114.978	1.00	0.00	C
ATOM	1131	C6	C B	18	44.224	-13.866	115.344	1.00	0.00	C
ATOM	1132	C2'	C B	18	44.875	-11.277	116.565	1.00	0.00	C
ATOM	1133	C3'	C B	18	44.346	-9.902	116.191	1.00	0.00	C
ATOM	1134	O3'	C B	18	44.162	-9.133	117.378	1.00	0.00	O
ATOM	1135	C4'	C B	18	43.023	-10.224	115.501	1.00	0.00	C
ATOM	1136	O4'	C B	18	42.531	-11.413	116.197	1.00	0.00	O
ATOM	1137	C5'	C B	18	43.092	-10.524	114.022	1.00	0.00	C
ATOM	1138	O5'	C B	18	44.308	-11.258	113.729	1.00	0.00	O
ATOM	1139	O1P	C B	18	45.627	-9.655	112.304	1.00	0.00	O
ATOM	1140	O2P	C B	18	45.970	-12.129	112.055	1.00	0.00	O
ATOM	1141	P	C B	18	45.037	-11.009	112.333	1.00	0.00	P
ATOM	1142	H5	C B	18	44.738	-15.506	114.058	1.00	0.00	H
ATOM	1143	H6	C B	18	44.694	-13.122	114.701	1.00	0.00	H
ATOM	1144	H1'	C B	18	43.373	-11.980	117.961	1.00	0.00	H
ATOM	1145	H3'	C B	18	45.022	-9.373	115.519	1.00	0.00	H
ATOM	1146	H4'	C B	18	42.377	-9.355	115.632	1.00	0.00	H
ATOM	1147	H41	C B	18	44.046	-17.739	114.709	1.00	0.00	H
ATOM	1148	H42	C B	18	43.143	-18.064	116.214	1.00	0.00	H
ATOM	1149	H2'1	C B	18	45.421	-11.730	115.739	1.00	0.00	H
ATOM	1150	H2'2	C B	18	45.555	-11.225	117.416	1.00	0.00	H
ATOM	1151	H5'1	C B	18	42.225	-11.120	113.736	1.00	0.00	H
ATOM	1152	H5'2	C B	18	43.084	-9.589	113.465	1.00	0.00	H
ATOM	1153	C1'	C B	19	44.401	-12.752	121.728	1.00	0.00	C
ATOM	1154	N1	C B	19	44.929	-13.712	120.721	1.00	0.00	N
ATOM	1155	C2	C B	19	44.652	-15.066	120.902	1.00	0.00	C
ATOM	1156	O2	C B	19	43.983	-15.413	121.885	1.00	0.00	O



ATOM	1157	N3	C B	19	45.124	-15.956	119.996	1.00	0.00	N
ATOM	1158	C4	C B	19	45.845	-15.549	118.943	1.00	0.00	C
ATOM	1159	N4	C B	19	46.281	-16.461	118.089	1.00	0.00	N
ATOM	1160	C5	C B	19	46.145	-14.166	118.735	1.00	0.00	C
ATOM	1161	C6	C B	19	45.659	-13.288	119.658	1.00	0.00	C
ATOM	1162	C2'	C B	19	45.353	-11.607	122.041	1.00	0.00	C
ATOM	1163	C3'	C B	19	44.392	-10.446	122.258	1.00	0.00	C
ATOM	1164	O3'	C B	19	43.927	-10.469	123.605	1.00	0.00	O
ATOM	1165	C4'	C B	19	43.277	-10.738	121.257	1.00	0.00	C
ATOM	1166	O4'	C B	19	43.206	-12.199	121.209	1.00	0.00	O
ATOM	1167	C5'	C B	19	43.483	-10.220	119.852	1.00	0.00	C
ATOM	1168	O5'	C B	19	44.883	-10.322	119.491	1.00	0.00	O
ATOM	1169	O1P	C B	19	45.605	-7.923	119.263	1.00	0.00	O
ATOM	1170	O2P	C B	19	46.782	-9.716	117.962	1.00	0.00	O
ATOM	1171	P	C B	19	45.516	-9.208	118.543	1.00	0.00	P
ATOM	1172	H5	C B	19	46.733	-13.829	117.881	1.00	0.00	H
ATOM	1173	H6	C B	19	45.860	-12.223	119.539	1.00	0.00	H
ATOM	1174	H1'	C B	19	44.148	-13.309	122.630	1.00	0.00	H
ATOM	1175	H3'	C B	19	44.863	-9.485	122.053	1.00	0.00	H
ATOM	1176	H4'	C B	19	42.369	-10.279	121.651	1.00	0.00	H
ATOM	1177	H41	C B	19	46.837	-16.177	117.269	1.00	0.00	H
ATOM	1178	H42	C B	19	46.064	-17.458	118.243	1.00	0.00	H
ATOM	1179	H2'1	C B	19	46.041	-11.404	121.221	1.00	0.00	H
ATOM	1180	H2'2	C B	19	45.951	-11.798	122.932	1.00	0.00	H
ATOM	1181	H5'1	C B	19	42.879	-10.807	119.161	1.00	0.00	H
ATOM	1182	H5'2	C B	19	43.167	-9.178	119.807	1.00	0.00	H
ATOM	1183	C1'	T B	20	45.282	-15.525	125.732	1.00	0.00	C
ATOM	1184	N1	T B	20	46.128	-15.672	124.519	1.00	0.00	N
ATOM	1185	C2	T B	20	46.306	-16.949	124.027	1.00	0.00	C
ATOM	1186	O2	T B	20	45.802	-17.931	124.543	1.00	0.00	O
ATOM	1187	N3	T B	20	47.100	-17.039	122.899	1.00	0.00	N
ATOM	1188	C4	T B	20	47.714	-15.998	122.240	1.00	0.00	C
ATOM	1189	O4	T B	20	48.406	-16.204	121.235	1.00	0.00	O
ATOM	1190	C5	T B	20	47.470	-14.702	122.828	1.00	0.00	C
ATOM	1191	C6	T B	20	46.702	-14.575	123.927	1.00	0.00	C
ATOM	1192	C7	T B	20	48.120	-13.537	122.142	1.00	0.00	C
ATOM	1193	C2'	T B	20	45.784	-14.465	126.706	1.00	0.00	C
ATOM	1194	C3'	T B	20	44.484	-13.886	127.243	1.00	0.00	C
ATOM	1195	O3'	T B	20	44.018	-14.697	128.319	1.00	0.00	O
ATOM	1196	C4'	T B	20	43.558	-13.947	126.030	1.00	0.00	C
ATOM	1197	O4'	T B	20	43.985	-15.148	125.311	1.00	0.00	O
ATOM	1198	C5'	T B	20	43.613	-12.771	125.082	1.00	0.00	C
ATOM	1199	O5'	T B	20	44.977	-12.286	124.983	1.00	0.00	O
ATOM	1200	O1P	T B	20	44.855	-9.993	126.014	1.00	0.00	O
ATOM	1201	O2P	T B	20	46.600	-10.501	124.284	1.00	0.00	O
ATOM	1202	P	T B	20	45.222	-10.724	124.784	1.00	0.00	P
ATOM	1203	H3	T B	20	47.246	-17.982	122.511	1.00	0.00	H
ATOM	1204	H6	T B	20	46.533	-13.586	124.353	1.00	0.00	H
ATOM	1205	H1'	T B	20	45.207	-16.497	126.218	1.00	0.00	H
ATOM	1206	H3'	T B	20	44.609	-12.861	127.592	1.00	0.00	H
ATOM	1207	H4'	T B	20	42.539	-14.018	126.412	1.00	0.00	H
ATOM	1208	H3T	T B	20	44.656	-14.854	129.018	1.00	0.00	H
ATOM	1209	H71	T B	20	48.865	-13.094	122.804	1.00	0.00	H
ATOM	1210	H72	T B	20	48.603	-13.878	121.226	1.00	0.00	H

ATOM	1211	H73	T B	20	47.364	-12.790	121.896	1.00	0.00	H
ATOM	1212	H2'1	T B	20	46.384	-13.703	126.214	1.00	0.00	H
ATOM	1213	H2'2	T B	20	46.388	-14.893	127.507	1.00	0.00	H
ATOM	1214	H5'1	T B	20	43.261	-13.086	124.101	1.00	0.00	H
ATOM	1215	H5'2	T B	20	42.967	-11.980	125.458	1.00	0.00	H
TER										
ATOM	1	C1'	A A	1	25.138	7.853	134.997	1.00	0.00	C
ATOM	2	N1	A A	1	27.184	11.871	132.546	1.00	0.00	N
ATOM	3	C2	A A	1	26.085	11.732	133.281	1.00	0.00	C
ATOM	4	N3	A A	1	25.615	10.663	133.890	1.00	0.00	N
ATOM	5	C4	A A	1	26.426	9.611	133.676	1.00	0.00	C
ATOM	6	C5	A A	1	27.583	9.587	132.948	1.00	0.00	C
ATOM	7	C6	A A	1	27.973	10.804	132.350	1.00	0.00	C
ATOM	8	N6	A A	1	29.087	10.932	131.607	1.00	0.00	N
ATOM	9	N7	A A	1	28.148	8.324	132.951	1.00	0.00	N
ATOM	10	C8	A A	1	27.328	7.617	133.671	1.00	0.00	C
ATOM	11	N9	A A	1	26.259	8.332	134.146	1.00	0.00	N
ATOM	12	C2'	A A	1	24.672	6.443	134.662	1.00	0.00	C
ATOM	13	C3'	A A	1	24.306	5.896	136.033	1.00	0.00	C
ATOM	14	O3'	A A	1	22.975	6.292	136.355	1.00	0.00	O
ATOM	15	C4'	A A	1	25.341	6.550	136.947	1.00	0.00	C
ATOM	16	O4'	A A	1	25.582	7.860	136.340	1.00	0.00	O
ATOM	17	C5'	A A	1	26.661	5.831	137.087	1.00	0.00	C
ATOM	18	O5'	A A	1	27.030	5.230	135.820	1.00	0.00	O
ATOM	19	H2	A A	1	25.486	12.634	133.398	1.00	0.00	H
ATOM	20	H8	A A	1	27.477	6.558	133.878	1.00	0.00	H
ATOM	21	H1'	A A	1	24.318	8.566	134.911	1.00	0.00	H
ATOM	22	H3'	A A	1	24.378	4.809	136.072	1.00	0.00	H
ATOM	23	H4'	A A	1	24.890	6.615	137.937	1.00	0.00	H
ATOM	24	H61	A A	1	29.327	11.842	131.194	1.00	0.00	H
ATOM	25	H62	A A	1	29.697	10.116	131.453	1.00	0.00	H
ATOM	26	H5T	A A	1	27.506	4.397	135.825	1.00	0.00	H
ATOM	27	H2'1	A A	1	25.456	5.848	134.194	1.00	0.00	H
ATOM	28	H2'2	A A	1	23.812	6.439	133.992	1.00	0.00	H
ATOM	29	H5'1	A A	1	27.427	6.546	137.392	1.00	0.00	H
ATOM	30	H5'2	A A	1	26.570	5.059	137.848	1.00	0.00	H
ATOM	31	C1'	G A	2	21.592	10.429	132.663	1.00	0.00	C
ATOM	32	N1	G A	2	25.416	11.881	129.617	1.00	0.00	N
ATOM	33	C2	G A	2	24.380	12.621	130.151	1.00	0.00	C
ATOM	34	N2	G A	2	24.357	13.920	129.832	1.00	0.00	N
ATOM	35	N3	G A	2	23.440	12.108	130.944	1.00	0.00	N
ATOM	36	C4	G A	2	23.615	10.776	131.157	1.00	0.00	C
ATOM	37	C5	G A	2	24.617	9.956	130.662	1.00	0.00	C
ATOM	38	C6	G A	2	25.617	10.504	129.825	1.00	0.00	C
ATOM	39	O6	G A	2	26.578	9.945	129.296	1.00	0.00	O
ATOM	40	N7	G A	2	24.438	8.648	131.116	1.00	0.00	N
ATOM	41	C8	G A	2	23.361	8.715	131.856	1.00	0.00	C
ATOM	42	N9	G A	2	22.803	9.975	131.929	1.00	0.00	N
ATOM	43	C2'	G A	2	20.454	9.417	132.658	1.00	0.00	C
ATOM	44	C3'	G A	2	19.848	9.611	134.037	1.00	0.00	C
ATOM	45	O3'	G A	2	18.923	10.696	133.993	1.00	0.00	O
ATOM	46	C4'	G A	2	21.067	9.927	134.903	1.00	0.00	C
ATOM	47	O4'	G A	2	21.964	10.660	134.009	1.00	0.00	O
ATOM	48	C5'	G A	2	21.812	8.742	135.471	1.00	0.00	C

ATOM	49	O5'	G A	2	21.816	7.659	134.508	1.00	0.00	O
ATOM	50	O1P	G A	2	20.432	5.879	135.630	1.00	0.00	O
ATOM	51	O2P	G A	2	22.199	5.235	133.969	1.00	0.00	O
ATOM	52	P	G A	2	21.758	6.157	135.044	1.00	0.00	P
ATOM	53	H1	G A	2	26.093	12.376	129.018	1.00	0.00	H
ATOM	54	H8	G A	2	22.940	7.852	132.371	1.00	0.00	H
ATOM	55	H1'	G A	2	21.270	11.379	132.236	1.00	0.00	H
ATOM	56	H21	G A	2	25.088	14.312	129.221	1.00	0.00	H
ATOM	57	H3'	G A	2	19.337	8.714	134.390	1.00	0.00	H
ATOM	58	H22	G A	2	23.609	14.526	130.198	1.00	0.00	H
ATOM	59	H4'	G A	2	20.713	10.530	135.739	1.00	0.00	H
ATOM	60	H2'1	G A	2	20.812	8.395	132.522	1.00	0.00	H
ATOM	61	H2'2	G A	2	19.726	9.617	131.871	1.00	0.00	H
ATOM	62	H5'1	G A	2	22.835	9.038	135.697	1.00	0.00	H
ATOM	63	H5'2	G A	2	21.321	8.419	136.389	1.00	0.00	H
ATOM	64	C1'	G A	3	19.874	13.472	129.154	1.00	0.00	C
ATOM	65	N1	G A	3	23.926	11.820	126.534	1.00	0.00	N
ATOM	66	C2	G A	3	23.413	13.096	126.659	1.00	0.00	C
ATOM	67	N2	G A	3	24.062	14.061	125.996	1.00	0.00	N
ATOM	68	N3	G A	3	22.337	13.387	127.386	1.00	0.00	N
ATOM	69	C4	G A	3	21.802	12.289	127.981	1.00	0.00	C
ATOM	70	C5	G A	3	22.245	10.978	127.910	1.00	0.00	C
ATOM	71	C6	G A	3	23.390	10.669	127.141	1.00	0.00	C
ATOM	72	O6	G A	3	23.932	9.579	126.959	1.00	0.00	O
ATOM	73	N7	G A	3	21.416	10.147	128.667	1.00	0.00	N
ATOM	74	C8	G A	3	20.520	10.961	129.163	1.00	0.00	C
ATOM	75	N9	G A	3	20.687	12.279	128.791	1.00	0.00	N
ATOM	76	C2'	G A	3	18.379	13.196	129.229	1.00	0.00	C
ATOM	77	C3'	G A	3	17.947	14.093	130.376	1.00	0.00	C
ATOM	78	O3'	G A	3	17.711	15.409	129.879	1.00	0.00	O
ATOM	79	C4'	G A	3	19.148	14.042	131.320	1.00	0.00	C
ATOM	80	O4'	G A	3	20.301	13.915	130.428	1.00	0.00	O
ATOM	81	C5'	G A	3	19.175	12.900	132.309	1.00	0.00	C
ATOM	82	O5'	G A	3	18.629	11.705	131.696	1.00	0.00	O
ATOM	83	O1P	G A	3	16.519	11.289	133.005	1.00	0.00	O
ATOM	84	O2P	G A	3	17.718	9.374	131.914	1.00	0.00	O
ATOM	85	P	G A	3	17.804	10.685	132.603	1.00	0.00	P
ATOM	86	H1	G A	3	24.767	11.701	125.948	1.00	0.00	H
ATOM	87	H8	G A	3	19.712	10.628	129.814	1.00	0.00	H
ATOM	88	H1'	G A	3	20.090	14.263	128.435	1.00	0.00	H
ATOM	89	H21	G A	3	24.896	13.829	125.437	1.00	0.00	H
ATOM	90	H3'	G A	3	17.045	13.725	130.867	1.00	0.00	H
ATOM	91	H22	G A	3	23.728	15.034	126.047	1.00	0.00	H
ATOM	92	H4'	G A	3	19.148	14.973	131.885	1.00	0.00	H
ATOM	93	H2'1	G A	3	18.162	12.149	129.440	1.00	0.00	H
ATOM	94	H2'2	G A	3	17.863	13.456	128.304	1.00	0.00	H
ATOM	95	H5'1	G A	3	20.203	12.720	132.620	1.00	0.00	H
ATOM	96	H5'2	G A	3	18.580	13.170	133.182	1.00	0.00	H
ATOM	97	C1'	C A	4	19.992	15.645	124.704	1.00	0.00	C
ATOM	98	N1	C A	4	20.085	14.163	124.825	1.00	0.00	N
ATOM	99	C2	C A	4	21.136	13.523	124.173	1.00	0.00	C
ATOM	100	O2	C A	4	21.942	14.202	123.526	1.00	0.00	O
ATOM	101	N3	C A	4	21.238	12.175	124.271	1.00	0.00	N
ATOM	102	C4	C A	4	20.349	11.466	124.978	1.00	0.00	C

ATOM	103	N4	C A	4	20.500	10.151	125.042	1.00	0.00	N
ATOM	104	C5	C A	4	19.258	12.100	125.656	1.00	0.00	C
ATOM	105	C6	C A	4	19.176	13.457	125.547	1.00	0.00	C
ATOM	106	C2'	C A	4	18.565	16.163	124.590	1.00	0.00	C
ATOM	107	C3'	C A	4	18.640	17.473	125.362	1.00	0.00	C
ATOM	108	O3'	C A	4	19.114	18.499	124.493	1.00	0.00	O
ATOM	109	C4'	C A	4	19.633	17.154	126.476	1.00	0.00	C
ATOM	110	O4'	C A	4	20.570	16.209	125.868	1.00	0.00	O
ATOM	111	C5'	C A	4	19.061	16.528	127.726	1.00	0.00	C
ATOM	112	O5'	C A	4	17.988	15.619	127.372	1.00	0.00	O
ATOM	113	O1P	C A	4	15.947	16.713	128.358	1.00	0.00	O
ATOM	114	O2P	C A	4	16.010	14.224	128.051	1.00	0.00	O
ATOM	115	P	C A	4	16.747	15.473	128.363	1.00	0.00	P
ATOM	116	H5	C A	4	18.530	11.526	126.229	1.00	0.00	H
ATOM	117	H6	C A	4	18.365	13.985	126.050	1.00	0.00	H
ATOM	118	H1'	C A	4	20.590	15.955	123.848	1.00	0.00	H
ATOM	119	H3'	C A	4	17.671	17.762	125.767	1.00	0.00	H
ATOM	120	H4'	C A	4	20.102	18.096	126.760	1.00	0.00	H
ATOM	121	H41	C A	4	19.831	9.581	125.581	1.00	0.00	H
ATOM	122	H42	C A	4	21.285	9.697	124.553	1.00	0.00	H
ATOM	123	H2'1	C A	4	17.840	15.482	125.036	1.00	0.00	H
ATOM	124	H2'2	C A	4	18.266	16.327	123.554	1.00	0.00	H
ATOM	125	H5'1	C A	4	19.848	15.984	128.248	1.00	0.00	H
ATOM	126	H5'2	C A	4	18.678	17.314	128.377	1.00	0.00	H
ATOM	127	C1'	C A	5	21.243	15.919	119.921	1.00	0.00	C
ATOM	128	N1	C A	5	20.562	14.708	120.455	1.00	0.00	N
ATOM	129	C2	C A	5	21.140	13.467	120.195	1.00	0.00	C
ATOM	130	O2	C A	5	22.187	13.420	119.535	1.00	0.00	O
ATOM	131	N3	C A	5	20.535	12.352	120.674	1.00	0.00	N
ATOM	132	C4	C A	5	19.403	12.433	121.383	1.00	0.00	C
ATOM	133	N4	C A	5	18.857	11.312	121.829	1.00	0.00	N
ATOM	134	C5	C A	5	18.786	13.696	121.664	1.00	0.00	C
ATOM	135	C6	C A	5	19.414	14.804	121.175	1.00	0.00	C
ATOM	136	C2'	C A	5	20.285	16.993	119.425	1.00	0.00	C
ATOM	137	C3'	C A	5	21.015	18.271	119.811	1.00	0.00	C
ATOM	138	O3'	C A	5	21.957	18.596	118.790	1.00	0.00	O
ATOM	139	C4'	C A	5	21.695	17.891	121.123	1.00	0.00	C
ATOM	140	O4'	C A	5	22.020	16.473	120.966	1.00	0.00	O
ATOM	141	C5'	C A	5	20.873	18.063	122.379	1.00	0.00	C
ATOM	142	O5'	C A	5	19.487	17.728	122.108	1.00	0.00	O
ATOM	143	O1P	C A	5	18.290	19.924	122.389	1.00	0.00	O
ATOM	144	O2P	C A	5	17.070	17.768	122.789	1.00	0.00	O
ATOM	145	P	C A	5	18.341	18.530	122.871	1.00	0.00	P
ATOM	146	H5	C A	5	17.861	13.767	122.237	1.00	0.00	H
ATOM	147	H6	C A	5	18.985	15.789	121.367	1.00	0.00	H
ATOM	148	H1'	C A	5	21.923	15.605	119.129	1.00	0.00	H
ATOM	149	H3'	C A	5	20.330	19.107	119.948	1.00	0.00	H
ATOM	150	H4'	C A	5	22.578	18.524	121.216	1.00	0.00	H
ATOM	151	H41	C A	5	17.986	11.346	122.380	1.00	0.00	H
ATOM	152	H42	C A	5	19.302	10.406	121.625	1.00	0.00	H
ATOM	153	H2'1	C A	5	19.311	16.934	119.908	1.00	0.00	H
ATOM	154	H2'2	C A	5	20.122	16.937	118.348	1.00	0.00	H
ATOM	155	H5'1	C A	5	21.266	17.407	123.156	1.00	0.00	H
ATOM	156	H5'2	C A	5	20.943	19.098	122.713	1.00	0.00	H

ATOM	157	C1'	G A	6	22.496	13.990	115.534	1.00	0.00	C
ATOM	158	N1	G A	6	20.014	9.884	117.267	1.00	0.00	N
ATOM	159	C2	G A	6	21.213	9.973	116.582	1.00	0.00	C
ATOM	160	N2	G A	6	21.831	8.815	116.323	1.00	0.00	N
ATOM	161	N3	G A	6	21.751	11.126	116.189	1.00	0.00	N
ATOM	162	C4	G A	6	20.986	12.196	116.529	1.00	0.00	C
ATOM	163	C5	G A	6	19.778	12.202	117.208	1.00	0.00	C
ATOM	164	C6	G A	6	19.208	10.980	117.629	1.00	0.00	C
ATOM	165	O6	G A	6	18.155	10.782	118.236	1.00	0.00	O
ATOM	166	N7	G A	6	19.315	13.511	117.357	1.00	0.00	N
ATOM	167	C8	G A	6	20.237	14.240	116.782	1.00	0.00	C
ATOM	168	N9	G A	6	21.284	13.513	116.254	1.00	0.00	N
ATOM	169	C2'	G A	6	22.235	15.169	114.608	1.00	0.00	C
ATOM	170	C3'	G A	6	23.517	15.973	114.748	1.00	0.00	C
ATOM	171	O3'	G A	6	24.499	15.451	113.855	1.00	0.00	O
ATOM	172	C4'	G A	6	23.896	15.758	116.212	1.00	0.00	C
ATOM	173	O4'	G A	6	23.441	14.399	116.506	1.00	0.00	O
ATOM	174	C5'	G A	6	23.273	16.703	117.212	1.00	0.00	C
ATOM	175	O5'	G A	6	21.916	17.019	116.811	1.00	0.00	O
ATOM	176	O1P	G A	6	22.026	19.475	116.272	1.00	0.00	O
ATOM	177	O2P	G A	6	19.864	18.452	117.030	1.00	0.00	O
ATOM	178	P	G A	6	21.345	18.476	117.117	1.00	0.00	P
ATOM	179	H1	G A	6	19.688	8.942	117.534	1.00	0.00	H
ATOM	180	H8	G A	6	20.183	15.327	116.724	1.00	0.00	H
ATOM	181	H1'	G A	6	22.921	13.148	114.986	1.00	0.00	H
ATOM	182	H21	G A	6	21.411	7.927	116.633	1.00	0.00	H
ATOM	183	H3'	G A	6	23.363	17.031	114.533	1.00	0.00	H
ATOM	184	H22	G A	6	22.727	8.813	115.813	1.00	0.00	H
ATOM	185	H4'	G A	6	24.978	15.868	116.279	1.00	0.00	H
ATOM	186	H2'1	G A	6	21.366	15.752	114.916	1.00	0.00	H
ATOM	187	H2'2	G A	6	22.072	14.857	113.577	1.00	0.00	H
ATOM	188	H5'1	G A	6	23.266	16.231	118.194	1.00	0.00	H
ATOM	189	H5'2	G A	6	23.866	17.616	117.260	1.00	0.00	H
ATOM	190	C1'	C A	7	22.618	10.398	112.126	1.00	0.00	C
ATOM	191	N1	C A	7	21.326	10.824	112.731	1.00	0.00	N
ATOM	192	C2	C A	7	20.500	9.836	113.264	1.00	0.00	C
ATOM	193	O2	C A	7	20.870	8.656	113.214	1.00	0.00	O
ATOM	194	N3	C A	7	19.319	10.202	113.819	1.00	0.00	N
ATOM	195	C4	C A	7	18.944	11.487	113.858	1.00	0.00	C
ATOM	196	N4	C A	7	17.781	11.789	114.415	1.00	0.00	N
ATOM	197	C5	C A	7	19.772	12.524	113.313	1.00	0.00	C
ATOM	198	C6	C A	7	20.960	12.132	112.763	1.00	0.00	C
ATOM	199	C2'	C A	7	23.002	11.186	110.881	1.00	0.00	C
ATOM	200	C3'	C A	7	24.514	11.271	111.014	1.00	0.00	C
ATOM	201	O3'	C A	7	25.099	10.085	110.480	1.00	0.00	O
ATOM	202	C4'	C A	7	24.717	11.388	112.522	1.00	0.00	C
ATOM	203	O4'	C A	7	23.631	10.594	113.097	1.00	0.00	O
ATOM	204	C5'	C A	7	24.654	12.783	113.102	1.00	0.00	C
ATOM	205	O5'	C A	7	23.652	13.560	112.401	1.00	0.00	O
ATOM	206	O1P	C A	7	25.001	15.337	111.236	1.00	0.00	O
ATOM	207	O2P	C A	7	22.612	15.783	111.863	1.00	0.00	O
ATOM	208	P	C A	7	23.897	15.122	112.194	1.00	0.00	P
ATOM	209	H5	C A	7	19.469	13.571	113.337	1.00	0.00	H
ATOM	210	H6	C A	7	21.627	12.885	112.343	1.00	0.00	H

ATOM	211	H1'	C A	7	22.560	9.332	111.913	1.00	0.00	H
ATOM	212	H3'	C A	7	24.920	12.140	110.493	1.00	0.00	H
ATOM	213	H4'	C A	7	25.705	10.982	112.741	1.00	0.00	H
ATOM	214	H41	C A	7	17.470	12.770	114.460	1.00	0.00	H
ATOM	215	H42	C A	7	17.186	11.043	114.804	1.00	0.00	H
ATOM	216	H2'1	C A	7	22.549	12.176	110.861	1.00	0.00	H
ATOM	217	H2'2	C A	7	22.711	10.674	109.962	1.00	0.00	H
ATOM	218	H5'1	C A	7	24.398	12.719	114.160	1.00	0.00	H
ATOM	219	H5'2	C A	7	25.628	13.258	112.997	1.00	0.00	H
ATOM	220	C1'	A A	8	20.929	6.317	109.893	1.00	0.00	C
ATOM	221	N1	A A	8	16.416	7.824	111.818	1.00	0.00	N
ATOM	222	C2	A A	8	17.005	6.635	111.735	1.00	0.00	C
ATOM	223	N3	A A	8	18.176	6.315	111.227	1.00	0.00	N
ATOM	224	C4	A A	8	18.788	7.412	110.743	1.00	0.00	C
ATOM	225	C5	A A	8	18.321	8.696	110.749	1.00	0.00	C
ATOM	226	C6	A A	8	17.051	8.899	111.328	1.00	0.00	C
ATOM	227	N6	A A	8	16.465	10.107	111.406	1.00	0.00	N
ATOM	228	N7	A A	8	19.229	9.561	110.162	1.00	0.00	N
ATOM	229	C8	A A	8	20.215	8.788	109.813	1.00	0.00	C
ATOM	230	N9	A A	8	20.019	7.469	110.135	1.00	0.00	N
ATOM	231	C2'	A A	8	21.673	6.391	108.565	1.00	0.00	C
ATOM	232	C3'	A A	8	23.019	5.784	108.923	1.00	0.00	C
ATOM	233	O3'	A A	8	22.930	4.364	108.831	1.00	0.00	O
ATOM	234	C4'	A A	8	23.236	6.256	110.360	1.00	0.00	C
ATOM	235	O4'	A A	8	21.888	6.300	110.931	1.00	0.00	O
ATOM	236	C5'	A A	8	23.878	7.612	110.530	1.00	0.00	C
ATOM	237	O5'	A A	8	23.412	8.509	109.490	1.00	0.00	O
ATOM	238	O1P	A A	8	25.488	8.961	108.140	1.00	0.00	O
ATOM	239	O2P	A A	8	23.644	10.662	108.214	1.00	0.00	O
ATOM	240	P	A A	8	24.416	9.610	108.920	1.00	0.00	P
ATOM	241	H2	A A	8	16.436	5.804	112.148	1.00	0.00	H
ATOM	242	H8	A A	8	21.113	9.152	109.312	1.00	0.00	H
ATOM	243	H1'	A A	8	20.343	5.401	109.962	1.00	0.00	H
ATOM	244	H3'	A A	8	23.814	6.139	108.269	1.00	0.00	H
ATOM	245	H4'	A A	8	23.878	5.520	110.842	1.00	0.00	H
ATOM	246	H61	A A	8	15.538	10.200	111.841	1.00	0.00	H
ATOM	247	H62	A A	8	16.946	10.936	111.029	1.00	0.00	H
ATOM	248	H2'1	A A	8	21.781	7.414	108.209	1.00	0.00	H
ATOM	249	H2'2	A A	8	21.175	5.820	107.782	1.00	0.00	H
ATOM	250	H5'1	A A	8	23.611	8.013	111.508	1.00	0.00	H
ATOM	251	H5'2	A A	8	24.960	7.507	110.467	1.00	0.00	H
ATOM	252	C1'	C A	9	17.360	3.106	108.620	1.00	0.00	C
ATOM	253	N1	C A	9	17.187	4.564	108.368	1.00	0.00	N
ATOM	254	C2	C A	9	16.017	5.170	108.819	1.00	0.00	C
ATOM	255	O2	C A	9	15.174	4.478	109.406	1.00	0.00	O
ATOM	256	N3	C A	9	15.841	6.496	108.600	1.00	0.00	N
ATOM	257	C4	C A	9	16.770	7.217	107.960	1.00	0.00	C
ATOM	258	N4	C A	9	16.547	8.510	107.775	1.00	0.00	N
ATOM	259	C5	C A	9	17.983	6.620	107.481	1.00	0.00	C
ATOM	260	C6	C A	9	18.141	5.283	107.718	1.00	0.00	C
ATOM	261	C2'	C A	9	18.035	2.362	107.478	1.00	0.00	C
ATOM	262	C3'	C A	9	18.866	1.326	108.221	1.00	0.00	C
ATOM	263	O3'	C A	9	18.050	0.196	108.516	1.00	0.00	O
ATOM	264	C4'	C A	9	19.294	2.075	109.481	1.00	0.00	C

ATOM	265	O4'	C	A	9	18.168	2.963	109.775	1.00	0.00	O
ATOM	266	C5'	C	A	9	20.549	2.908	109.374	1.00	0.00	C
ATOM	267	O5'	C	A	9	20.624	3.515	108.059	1.00	0.00	O
ATOM	268	O1P	C	A	9	22.633	2.411	107.020	1.00	0.00	O
ATOM	269	O2P	C	A	9	21.951	4.713	106.292	1.00	0.00	O
ATOM	270	P	C	A	9	22.056	3.719	107.388	1.00	0.00	P
ATOM	271	H5	C	A	9	18.739	7.203	106.954	1.00	0.00	H
ATOM	272	H6	C	A	9	19.049	4.786	107.380	1.00	0.00	H
ATOM	273	H1'	C	A	9	16.382	2.681	108.841	1.00	0.00	H
ATOM	274	H3'	C	A	9	19.731	1.005	107.641	1.00	0.00	H
ATOM	275	H4'	C	A	9	19.457	1.325	110.255	1.00	0.00	H
ATOM	276	H41	C	A	9	17.248	9.089	107.288	1.00	0.00	H
ATOM	277	H42	C	A	9	15.674	8.937	108.117	1.00	0.00	H
ATOM	278	H2'1	C	A	9	18.664	3.013	106.873	1.00	0.00	H
ATOM	279	H2'2	C	A	9	17.315	1.889	106.809	1.00	0.00	H
ATOM	280	H5'1	C	A	9	20.531	3.686	110.138	1.00	0.00	H
ATOM	281	H5'2	C	A	9	21.417	2.268	109.534	1.00	0.00	H
ATOM	282	C1'	C	A	10	12.679	1.796	107.671	1.00	0.00	C
ATOM	283	N1	C	A	10	13.282	2.982	107.004	1.00	0.00	N
ATOM	284	C2	C	A	10	12.584	4.187	107.064	1.00	0.00	C
ATOM	285	O2	C	A	10	11.501	4.222	107.663	1.00	0.00	O
ATOM	286	N3	C	A	10	13.115	5.280	106.464	1.00	0.00	N
ATOM	287	C4	C	A	10	14.288	5.211	105.822	1.00	0.00	C
ATOM	288	N4	C	A	10	14.763	6.312	105.254	1.00	0.00	N
ATOM	289	C5	C	A	10	15.026	3.985	105.741	1.00	0.00	C
ATOM	290	C6	C	A	10	14.474	2.897	106.357	1.00	0.00	C
ATOM	291	C2'	C	A	10	12.887	0.494	106.910	1.00	0.00	C
ATOM	292	C3'	C	A	10	13.061	-0.510	108.040	1.00	0.00	C
ATOM	293	O3'	C	A	10	11.777	-0.940	108.487	1.00	0.00	O
ATOM	294	C4'	C	A	10	13.802	0.299	109.101	1.00	0.00	C
ATOM	295	O4'	C	A	10	13.289	1.660	108.942	1.00	0.00	O
ATOM	296	C5'	C	A	10	15.308	0.336	108.988	1.00	0.00	C
ATOM	297	O5'	C	A	10	15.695	0.368	107.591	1.00	0.00	O
ATOM	298	O1P	C	A	10	16.860	-1.837	107.257	1.00	0.00	O
ATOM	299	O2P	C	A	10	17.462	0.130	105.821	1.00	0.00	O
ATOM	300	P	C	A	10	17.034	-0.375	107.148	1.00	0.00	P
ATOM	301	H5	C	A	10	15.979	3.922	105.214	1.00	0.00	H
ATOM	302	H6	C	A	10	15.001	1.944	106.330	1.00	0.00	H
ATOM	303	H1'	C	A	10	11.620	1.993	107.828	1.00	0.00	H
ATOM	304	H3'	C	A	10	13.643	-1.378	107.728	1.00	0.00	H
ATOM	305	H4'	C	A	10	13.552	-0.141	110.066	1.00	0.00	H
ATOM	306	H41	C	A	10	15.665	6.287	104.757	1.00	0.00	H
ATOM	307	H42	C	A	10	14.230	7.191	105.312	1.00	0.00	H
ATOM	308	H2'1	C	A	10	13.765	0.524	106.268	1.00	0.00	H
ATOM	309	H2'2	C	A	10	12.030	0.241	106.282	1.00	0.00	H
ATOM	310	H5'1	C	A	10	15.685	1.225	109.496	1.00	0.00	H
ATOM	311	H5'2	C	A	10	15.723	-0.552	109.465	1.00	0.00	H
ATOM	312	C1'	T	A	11	7.994	2.663	106.333	1.00	0.00	C
ATOM	313	N1	T	A	11	9.115	3.144	105.481	1.00	0.00	N
ATOM	314	C2	T	A	11	9.099	4.472	105.109	1.00	0.00	C
ATOM	315	O2	T	A	11	8.217	5.243	105.450	1.00	0.00	O
ATOM	316	N3	T	A	11	10.159	4.877	104.318	1.00	0.00	N
ATOM	317	C4	T	A	11	11.201	4.087	103.876	1.00	0.00	C
ATOM	318	O4	T	A	11	12.097	4.563	103.167	1.00	0.00	O

ATOM	319	C5	T A	11	11.131	2.714	104.316	1.00	0.00	C
ATOM	320	C6	T A	11	10.114	2.287	105.088	1.00	0.00	C
ATOM	321	C7	T A	11	12.247	1.821	103.861	1.00	0.00	C
ATOM	322	C2'	T A	11	7.527	1.253	105.997	1.00	0.00	C
ATOM	323	C3'	T A	11	7.164	0.703	107.367	1.00	0.00	C
ATOM	324	O3'	T A	11	5.835	1.098	107.695	1.00	0.00	O
ATOM	325	C4'	T A	11	8.202	1.354	108.279	1.00	0.00	C
ATOM	326	O4'	T A	11	8.440	2.666	107.675	1.00	0.00	O
ATOM	327	C5'	T A	11	9.525	0.636	108.414	1.00	0.00	C
ATOM	328	O5'	T A	11	9.888	0.038	107.144	1.00	0.00	O
ATOM	329	O1P	T A	11	9.794	-2.432	107.614	1.00	0.00	O
ATOM	330	O2P	T A	11	11.313	-1.554	105.822	1.00	0.00	O
ATOM	331	P	T A	11	10.677	-1.347	107.146	1.00	0.00	P
ATOM	332	H3	T A	11	10.173	5.865	104.031	1.00	0.00	H
ATOM	333	H6	T A	11	10.081	1.244	105.407	1.00	0.00	H
ATOM	334	H1'	T A	11	7.173	3.376	106.252	1.00	0.00	H
ATOM	335	H3'	T A	11	7.237	-0.383	107.402	1.00	0.00	H
ATOM	336	H4'	T A	11	7.756	1.418	109.273	1.00	0.00	H
ATOM	337	H71	T A	11	11.851	1.059	103.190	1.00	0.00	H
ATOM	338	H72	T A	11	12.996	2.414	103.335	1.00	0.00	H
ATOM	339	H73	T A	11	12.705	1.341	104.726	1.00	0.00	H
ATOM	340	H2'1	T A	11	8.309	0.661	105.526	1.00	0.00	H
ATOM	341	H2'2	T A	11	6.666	1.252	105.327	1.00	0.00	H
ATOM	342	H5'1	T A	11	10.290	1.349	108.717	1.00	0.00	H
ATOM	343	H5'2	T A	11	9.434	-0.140	109.173	1.00	0.00	H
ATOM	344	C1'	A A	12	4.432	5.226	104.014	1.00	0.00	C
ATOM	345	N1	A A	12	8.271	6.712	100.948	1.00	0.00	N
ATOM	346	C2	A A	12	7.251	7.367	101.493	1.00	0.00	C
ATOM	347	N3	A A	12	6.294	6.922	102.281	1.00	0.00	N
ATOM	348	C4	A A	12	6.453	5.605	102.505	1.00	0.00	C
ATOM	349	C5	A A	12	7.438	4.792	102.022	1.00	0.00	C
ATOM	350	C6	A A	12	8.403	5.400	101.192	1.00	0.00	C
ATOM	351	N6	A A	12	9.429	4.725	100.645	1.00	0.00	N
ATOM	352	N7	A A	12	7.275	3.492	102.469	1.00	0.00	N
ATOM	353	C8	A A	12	6.202	3.545	103.201	1.00	0.00	C
ATOM	354	N9	A A	12	5.648	4.797	103.271	1.00	0.00	N
ATOM	355	C2'	A A	12	3.312	4.195	104.002	1.00	0.00	C
ATOM	356	C3'	A A	12	2.706	4.369	105.386	1.00	0.00	C
ATOM	357	O3'	A A	12	1.765	5.441	105.352	1.00	0.00	O
ATOM	358	C4'	A A	12	3.923	4.697	106.251	1.00	0.00	C
ATOM	359	O4'	A A	12	4.806	5.449	105.360	1.00	0.00	O
ATOM	360	C5'	A A	12	4.685	3.519	106.807	1.00	0.00	C
ATOM	361	O5'	A A	12	4.704	2.442	105.836	1.00	0.00	O
ATOM	362	O1P	A A	12	3.350	0.634	106.946	1.00	0.00	O
ATOM	363	O2P	A A	12	5.122	0.029	105.274	1.00	0.00	O
ATOM	364	P	A A	12	4.670	0.936	106.358	1.00	0.00	P
ATOM	365	H2	A A	12	7.200	8.430	101.255	1.00	0.00	H
ATOM	366	H8	A A	12	5.782	2.677	103.711	1.00	0.00	H
ATOM	367	H1'	A A	12	4.096	6.174	103.597	1.00	0.00	H
ATOM	368	H3'	A A	12	2.210	3.464	105.733	1.00	0.00	H
ATOM	369	H4'	A A	12	3.560	5.288	107.092	1.00	0.00	H
ATOM	370	H61	A A	12	10.108	5.217	100.047	1.00	0.00	H
ATOM	371	H62	A A	12	9.536	3.715	100.826	1.00	0.00	H
ATOM	372	H2'1	A A	12	3.683	3.181	103.857	1.00	0.00	H



ATOM	373	H2'2	A	A	12	2.579	4.391	103.220	1.00	0.00	H
ATOM	374	H5'1	A	A	12	5.705	3.828	107.033	1.00	0.00	H
ATOM	375	H5'2	A	A	12	4.204	3.180	107.723	1.00	0.00	H
ATOM	376	C1'	G	A	13	2.731	8.282	100.490	1.00	0.00	C
ATOM	377	N1	G	A	13	6.784	6.628	97.870	1.00	0.00	N
ATOM	378	C2	G	A	13	6.269	7.907	97.995	1.00	0.00	C
ATOM	379	N2	G	A	13	6.918	8.873	97.332	1.00	0.00	N
ATOM	380	N3	G	A	13	5.192	8.197	98.724	1.00	0.00	N
ATOM	381	C4	G	A	13	4.658	7.099	99.318	1.00	0.00	C
ATOM	382	C5	G	A	13	5.101	5.788	99.247	1.00	0.00	C
ATOM	383	C6	G	A	13	6.246	5.479	98.478	1.00	0.00	C
ATOM	384	O6	G	A	13	6.786	4.387	98.294	1.00	0.00	O
ATOM	385	N7	G	A	13	4.272	4.957	100.003	1.00	0.00	N
ATOM	386	C8	G	A	13	3.376	5.771	100.499	1.00	0.00	C
ATOM	387	N9	G	A	13	3.544	7.088	100.128	1.00	0.00	N
ATOM	388	C2'	G	A	13	1.236	8.006	100.566	1.00	0.00	C
ATOM	389	C3'	G	A	13	0.803	8.903	101.713	1.00	0.00	C
ATOM	390	O3'	G	A	13	0.567	10.219	101.216	1.00	0.00	O
ATOM	391	C4'	G	A	13	2.005	8.851	102.656	1.00	0.00	C
ATOM	392	O4'	G	A	13	3.157	8.724	101.764	1.00	0.00	O
ATOM	393	C5'	G	A	13	2.031	7.709	103.646	1.00	0.00	C
ATOM	394	O5'	G	A	13	1.485	6.515	103.033	1.00	0.00	O
ATOM	395	O1P	G	A	13	-0.624	6.099	104.341	1.00	0.00	O
ATOM	396	O2P	G	A	13	0.574	4.184	103.250	1.00	0.00	O
ATOM	397	P	G	A	13	0.660	5.495	103.939	1.00	0.00	P
ATOM	398	H1	G	A	13	7.627	6.511	97.287	1.00	0.00	H
ATOM	399	H8	G	A	13	2.567	5.438	101.150	1.00	0.00	H
ATOM	400	H1'	G	A	13	2.946	9.073	99.771	1.00	0.00	H
ATOM	401	H21	G	A	13	7.753	8.640	96.774	1.00	0.00	H
ATOM	402	H3'	G	A	13	-0.098	8.535	102.203	1.00	0.00	H
ATOM	403	H22	G	A	13	6.583	9.844	97.383	1.00	0.00	H
ATOM	404	H4'	G	A	13	2.004	9.782	103.221	1.00	0.00	H
ATOM	405	H2'1	G	A	13	1.019	6.959	100.777	1.00	0.00	H
ATOM	406	H2'2	G	A	13	0.720	8.266	99.640	1.00	0.00	H
ATOM	407	H5'1	G	A	13	3.060	7.529	103.956	1.00	0.00	H
ATOM	408	H5'2	G	A	13	1.438	7.980	104.519	1.00	0.00	H
ATOM	409	C1'	G	A	14	2.848	10.454	96.041	1.00	0.00	C
ATOM	410	N1	G	A	14	5.498	6.303	94.712	1.00	0.00	N
ATOM	411	C2	G	A	14	5.712	7.632	94.392	1.00	0.00	C
ATOM	412	N2	G	A	14	6.769	7.890	93.613	1.00	0.00	N
ATOM	413	N3	G	A	14	4.930	8.625	94.817	1.00	0.00	N
ATOM	414	C4	G	A	14	3.905	8.180	95.588	1.00	0.00	C
ATOM	415	C5	G	A	14	3.612	6.878	95.954	1.00	0.00	C
ATOM	416	C6	G	A	14	4.442	5.824	95.509	1.00	0.00	C
ATOM	417	O6	G	A	14	4.348	4.615	95.725	1.00	0.00	O
ATOM	418	N7	G	A	14	2.467	6.848	96.754	1.00	0.00	N
ATOM	419	C8	G	A	14	2.113	8.103	96.847	1.00	0.00	C
ATOM	420	N9	G	A	14	2.936	8.973	96.165	1.00	0.00	N
ATOM	421	C2'	G	A	14	1.422	10.977	95.930	1.00	0.00	C
ATOM	422	C3'	G	A	14	1.503	12.286	96.696	1.00	0.00	C
ATOM	423	O3'	G	A	14	1.979	13.311	95.825	1.00	0.00	O
ATOM	424	C4'	G	A	14	2.499	11.967	97.810	1.00	0.00	C
ATOM	425	O4'	G	A	14	3.431	11.019	97.200	1.00	0.00	O
ATOM	426	C5'	G	A	14	1.928	11.347	99.063	1.00	0.00	C

ATOM	427	O5'	G A	14	0.851	10.440	98.715	1.00	0.00	O
ATOM	428	O1P	G A	14	-1.183	11.544	99.703	1.00	0.00	O
ATOM	429	O2P	G A	14	-1.129	9.054	99.402	1.00	0.00	O
ATOM	430	P	G A	14	-0.387	10.302	99.710	1.00	0.00	P
ATOM	431	H1	G A	14	6.166	5.612	94.338	1.00	0.00	H
ATOM	432	H8	G A	14	1.242	8.433	97.415	1.00	0.00	H
ATOM	433	H1'	G A	14	3.445	10.761	95.182	1.00	0.00	H
ATOM	434	H21	G A	14	7.370	7.118	93.292	1.00	0.00	H
ATOM	435	H3'	G A	14	0.536	12.581	97.106	1.00	0.00	H
ATOM	436	H22	G A	14	6.980	8.859	93.337	1.00	0.00	H
ATOM	437	H4'	G A	14	2.972	12.908	98.091	1.00	0.00	H
ATOM	438	H2'1	G A	14	0.697	10.298	96.379	1.00	0.00	H
ATOM	439	H2'2	G A	14	1.121	11.140	94.895	1.00	0.00	H
ATOM	440	H5'1	G A	14	2.715	10.801	99.583	1.00	0.00	H
ATOM	441	H5'2	G A	14	1.549	12.136	99.713	1.00	0.00	H
ATOM	442	C1'	A A	15	4.092	10.751	91.260	1.00	0.00	C
ATOM	443	N1	A A	15	4.271	5.632	91.580	1.00	0.00	N
ATOM	444	C2	A A	15	5.067	6.525	90.996	1.00	0.00	C
ATOM	445	N3	A A	15	4.963	7.837	90.954	1.00	0.00	N
ATOM	446	C4	A A	15	3.864	8.238	91.619	1.00	0.00	C
ATOM	447	C5	A A	15	2.950	7.455	92.267	1.00	0.00	C
ATOM	448	C6	A A	15	3.183	6.064	92.236	1.00	0.00	C
ATOM	449	N6	A A	15	2.371	5.171	92.829	1.00	0.00	N
ATOM	450	N7	A A	15	1.952	8.222	92.839	1.00	0.00	N
ATOM	451	C8	A A	15	2.275	9.441	92.525	1.00	0.00	C
ATOM	452	N9	A A	15	3.428	9.530	91.785	1.00	0.00	N
ATOM	453	C2'	A A	15	3.121	11.820	90.778	1.00	0.00	C
ATOM	454	C3'	A A	15	3.840	13.103	91.169	1.00	0.00	C
ATOM	455	O3'	A A	15	4.772	13.446	90.148	1.00	0.00	O
ATOM	456	C4'	A A	15	4.531	12.719	92.477	1.00	0.00	C
ATOM	457	O4'	A A	15	4.868	11.304	92.306	1.00	0.00	O
ATOM	458	C5'	A A	15	3.714	12.871	93.737	1.00	0.00	C
ATOM	459	O5'	A A	15	2.332	12.524	93.472	1.00	0.00	O
ATOM	460	O1P	A A	15	1.114	14.706	93.778	1.00	0.00	O
ATOM	461	O2P	A A	15	-0.084	12.534	94.167	1.00	0.00	O
ATOM	462	P	A A	15	1.179	13.308	94.248	1.00	0.00	P
ATOM	463	H2	A A	15	5.929	6.108	90.476	1.00	0.00	H
ATOM	464	H8	A A	15	1.689	10.311	92.820	1.00	0.00	H
ATOM	465	H1'	A A	15	4.771	10.452	90.461	1.00	0.00	H
ATOM	466	H3'	A A	15	3.146	13.930	91.319	1.00	0.00	H
ATOM	467	H4'	A A	15	5.409	13.358	92.569	1.00	0.00	H
ATOM	468	H61	A A	15	2.588	4.166	92.779	1.00	0.00	H
ATOM	469	H62	A A	15	1.532	5.494	93.333	1.00	0.00	H
ATOM	470	H2'1	A A	15	2.149	11.745	91.267	1.00	0.00	H
ATOM	471	H2'2	A A	15	2.952	11.773	89.702	1.00	0.00	H
ATOM	472	H5'1	A A	15	4.117	12.213	94.507	1.00	0.00	H
ATOM	473	H5'2	A A	15	3.774	13.903	94.081	1.00	0.00	H
ATOM	474	C1'	C A	16	5.354	8.799	86.871	1.00	0.00	C
ATOM	475	N1	C A	16	4.143	8.316	87.590	1.00	0.00	N
ATOM	476	C2	C A	16	4.003	6.944	87.783	1.00	0.00	C
ATOM	477	O2	C A	16	4.883	6.188	87.352	1.00	0.00	O
ATOM	478	N3	C A	16	2.908	6.483	88.435	1.00	0.00	N
ATOM	479	C4	C A	16	1.973	7.327	88.891	1.00	0.00	C
ATOM	480	N4	C A	16	0.924	6.822	89.526	1.00	0.00	N

ATOM	481	C5	C A	16	2.087	8.743	88.703	1.00	0.00	C
ATOM	482	C6	C A	16	3.201	9.185	88.047	1.00	0.00	C
ATOM	483	C2'	C A	16	5.087	9.976	85.944	1.00	0.00	C
ATOM	484	C3'	C A	16	6.367	10.787	86.084	1.00	0.00	C
ATOM	485	O3'	C A	16	7.350	10.268	85.191	1.00	0.00	O
ATOM	486	C4'	C A	16	6.745	10.573	87.548	1.00	0.00	C
ATOM	487	O4'	C A	16	6.296	9.213	87.844	1.00	0.00	O
ATOM	488	C5'	C A	16	6.116	11.517	88.547	1.00	0.00	C
ATOM	489	O5'	C A	16	4.758	11.827	88.144	1.00	0.00	O
ATOM	490	O1P	C A	16	4.856	14.283	87.603	1.00	0.00	O
ATOM	491	O2P	C A	16	2.698	13.250	88.360	1.00	0.00	O
ATOM	492	P	C A	16	4.179	13.280	88.449	1.00	0.00	P
ATOM	493	H5	C A	16	1.325	9.433	89.066	1.00	0.00	H
ATOM	494	H6	C A	16	3.338	10.256	87.887	1.00	0.00	H
ATOM	495	H1'	C A	16	5.783	7.960	86.324	1.00	0.00	H
ATOM	496	H3'	C A	16	6.204	11.844	85.869	1.00	0.00	H
ATOM	497	H4'	C A	16	7.825	10.691	87.616	1.00	0.00	H
ATOM	498	H41	C A	16	0.190	7.449	89.887	1.00	0.00	H
ATOM	499	H42	C A	16	0.842	5.804	89.656	1.00	0.00	H
ATOM	500	H2'1	C A	16	4.216	10.555	86.248	1.00	0.00	H
ATOM	501	H2'2	C A	16	4.927	9.663	84.911	1.00	0.00	H
ATOM	502	H5'1	C A	16	6.110	11.045	89.530	1.00	0.00	H
ATOM	503	H5'2	C A	16	6.704	12.434	88.593	1.00	0.00	H
ATOM	504	C1'	G A	17	5.474	5.209	83.464	1.00	0.00	C
ATOM	505	N1	G A	17	1.222	3.628	85.798	1.00	0.00	N
ATOM	506	C2	G A	17	2.303	2.899	85.331	1.00	0.00	C
ATOM	507	N2	G A	17	2.241	1.574	85.509	1.00	0.00	N
ATOM	508	N3	G A	17	3.360	3.450	84.736	1.00	0.00	N
ATOM	509	C4	G A	17	3.250	4.800	84.635	1.00	0.00	C
ATOM	510	C5	G A	17	2.211	5.609	85.066	1.00	0.00	C
ATOM	511	C6	G A	17	1.090	5.027	85.701	1.00	0.00	C
ATOM	512	O6	G A	17	0.080	5.571	86.147	1.00	0.00	O
ATOM	513	N7	G A	17	2.484	6.946	84.769	1.00	0.00	N
ATOM	514	C8	G A	17	3.654	6.907	84.185	1.00	0.00	C
ATOM	515	N9	G A	17	4.183	5.638	84.066	1.00	0.00	N
ATOM	516	C2'	G A	17	5.863	5.995	82.219	1.00	0.00	C
ATOM	517	C3'	G A	17	7.375	6.075	82.353	1.00	0.00	C
ATOM	518	O3'	G A	17	7.955	4.885	81.819	1.00	0.00	O
ATOM	519	C4'	G A	17	7.576	6.189	83.863	1.00	0.00	C
ATOM	520	O4'	G A	17	6.487	5.398	84.433	1.00	0.00	O
ATOM	521	C5'	G A	17	7.520	7.582	84.443	1.00	0.00	C
ATOM	522	O5'	G A	17	6.521	8.364	83.743	1.00	0.00	O
ATOM	523	O1P	G A	17	7.881	10.136	82.581	1.00	0.00	O
ATOM	524	O2P	G A	17	5.493	10.593	83.205	1.00	0.00	O
ATOM	525	P	G A	17	6.776	9.925	83.537	1.00	0.00	P
ATOM	526	H1	G A	17	0.457	3.105	86.249	1.00	0.00	H
ATOM	527	H8	G A	17	4.166	7.799	83.823	1.00	0.00	H
ATOM	528	H1'	G A	17	5.412	4.142	83.247	1.00	0.00	H
ATOM	529	H21	G A	17	1.422	1.156	85.973	1.00	0.00	H
ATOM	530	H3'	G A	17	7.786	6.942	81.834	1.00	0.00	H
ATOM	531	H22	G A	17	3.012	0.975	85.181	1.00	0.00	H
ATOM	532	H4'	G A	17	8.562	5.777	84.082	1.00	0.00	H
ATOM	533	H2'1	G A	17	5.414	6.989	82.201	1.00	0.00	H
ATOM	534	H2'2	G A	17	5.572	5.486	81.299	1.00	0.00	H

ATOM	535	H5'1	G A	17	7.263	7.518	85.500	1.00	0.00	H
ATOM	536	H5'2	G A	17	8.497	8.053	84.341	1.00	0.00	H
ATOM	537	C1'	G A	18	3.763	1.128	81.241	1.00	0.00	C
ATOM	538	N1	G A	18	-0.716	2.652	83.147	1.00	0.00	N
ATOM	539	C2	G A	18	-0.159	1.386	83.092	1.00	0.00	C
ATOM	540	N2	G A	18	-0.895	0.394	83.612	1.00	0.00	N
ATOM	541	N3	G A	18	1.034	1.132	82.561	1.00	0.00	N
ATOM	542	C4	G A	18	1.635	2.250	82.077	1.00	0.00	C
ATOM	543	C5	G A	18	1.155	3.549	82.085	1.00	0.00	C
ATOM	544	C6	G A	18	-0.112	3.822	82.653	1.00	0.00	C
ATOM	545	O6	G A	18	-0.702	4.898	82.752	1.00	0.00	O
ATOM	546	N7	G A	18	2.078	4.408	81.487	1.00	0.00	N
ATOM	547	C8	G A	18	3.066	3.623	81.146	1.00	0.00	C
ATOM	548	N9	G A	18	2.870	2.297	81.471	1.00	0.00	N
ATOM	549	C2'	G A	18	4.510	1.177	79.915	1.00	0.00	C
ATOM	550	C3'	G A	18	5.847	0.554	80.280	1.00	0.00	C
ATOM	551	O3'	G A	18	5.739	-0.866	80.201	1.00	0.00	O
ATOM	552	C4'	G A	18	6.067	1.036	81.713	1.00	0.00	C
ATOM	553	O4'	G A	18	4.721	1.104	82.281	1.00	0.00	O
ATOM	554	C5'	G A	18	6.728	2.385	81.872	1.00	0.00	C
ATOM	555	O5'	G A	18	6.279	3.279	80.824	1.00	0.00	O
ATOM	556	O1P	G A	18	8.364	3.689	79.474	1.00	0.00	O
ATOM	557	O2P	G A	18	6.546	5.415	79.528	1.00	0.00	O
ATOM	558	P	G A	18	7.301	4.359	80.245	1.00	0.00	P
ATOM	559	H1	G A	18	-1.645	2.743	83.586	1.00	0.00	H
ATOM	560	H8	G A	18	3.967	3.983	80.648	1.00	0.00	H
ATOM	561	H1'	G A	18	3.163	0.220	81.316	1.00	0.00	H
ATOM	562	H21	G A	18	-1.817	0.601	84.025	1.00	0.00	H
ATOM	563	H3'	G A	18	6.649	0.892	79.623	1.00	0.00	H
ATOM	564	H22	G A	18	-0.538	-0.570	83.598	1.00	0.00	H
ATOM	565	H4'	G A	18	6.699	0.296	82.203	1.00	0.00	H
ATOM	566	H2'1	G A	18	4.635	2.196	79.549	1.00	0.00	H
ATOM	567	H2'2	G A	18	4.005	0.608	79.134	1.00	0.00	H
ATOM	568	H5'1	G A	18	6.467	2.799	82.845	1.00	0.00	H
ATOM	569	H5'2	G A	18	7.809	2.262	81.814	1.00	0.00	H
ATOM	570	C1'	T A	19	0.235	-2.096	79.951	1.00	0.00	C
ATOM	571	N1	T A	19	0.042	-0.643	79.707	1.00	0.00	N
ATOM	572	C2	T A	19	-1.131	-0.077	80.166	1.00	0.00	C
ATOM	573	O2	T A	19	-1.989	-0.718	80.748	1.00	0.00	O
ATOM	574	N3	T A	19	-1.269	1.277	79.919	1.00	0.00	N
ATOM	575	C4	T A	19	-0.365	2.090	79.271	1.00	0.00	C
ATOM	576	O4	T A	19	-0.600	3.293	79.105	1.00	0.00	O
ATOM	577	C5	T A	19	0.830	1.411	78.827	1.00	0.00	C
ATOM	578	C6	T A	19	0.999	0.092	79.051	1.00	0.00	C
ATOM	579	C7	T A	19	1.844	2.258	78.118	1.00	0.00	C
ATOM	580	C2'	T A	19	0.920	-2.826	78.801	1.00	0.00	C
ATOM	581	C3'	T A	19	1.765	-3.854	79.536	1.00	0.00	C
ATOM	582	O3'	T A	19	0.966	-4.998	79.826	1.00	0.00	O
ATOM	583	C4'	T A	19	2.184	-3.107	80.800	1.00	0.00	C
ATOM	584	O4'	T A	19	1.047	-2.239	81.100	1.00	0.00	O
ATOM	585	C5'	T A	19	3.428	-2.257	80.697	1.00	0.00	C
ATOM	586	O5'	T A	19	3.493	-1.640	79.387	1.00	0.00	O
ATOM	587	O1P	T A	19	5.515	-2.710	78.338	1.00	0.00	O
ATOM	588	O2P	T A	19	4.799	-0.413	77.626	1.00	0.00	O

ATOM	589	P	T A	19	4.921	-1.411	78.715	1.00	0.00	P
ATOM	590	H3	T A	19	-2.135	1.722	80.256	1.00	0.00	H
ATOM	591	H6	T A	19	1.910	-0.399	78.708	1.00	0.00	H
ATOM	592	H1'	T A	19	-0.737	-2.539	80.168	1.00	0.00	H
ATOM	593	H3'	T A	19	2.634	-4.159	78.952	1.00	0.00	H
ATOM	594	H4'	T A	19	2.360	-3.861	81.570	1.00	0.00	H
ATOM	595	H71	T A	19	1.927	1.934	77.081	1.00	0.00	H
ATOM	596	H72	T A	19	1.529	3.301	78.147	1.00	0.00	H
ATOM	597	H73	T A	19	2.812	2.158	78.609	1.00	0.00	H
ATOM	598	H2'1	T A	19	1.538	-2.160	78.200	1.00	0.00	H
ATOM	599	H2'2	T A	19	0.206	-3.304	78.130	1.00	0.00	H
ATOM	600	H5'1	T A	19	3.401	-1.485	81.466	1.00	0.00	H
ATOM	601	H5'2	T A	19	4.305	-2.885	80.852	1.00	0.00	H
ATOM	602	C01	LNK A	20	0.051	-7.921	77.710	0.00	0.00	C
ATOM	603	O1	LNK A	20	0.687	-6.655	77.897	1.00	0.00	O
ATOM	604	S	LNK A	20	-0.631	-10.538	74.789	0.00	0.00	S
ATOM	605	C02	LNK A	20	0.198	-8.355	76.239	0.00	0.00	C
ATOM	606	C03	LNK A	20	-1.082	-9.084	75.788	0.00	0.00	C
ATOM	607	O1P	LNK A	20	-0.223	-4.330	77.569	1.00	0.00	O
ATOM	608	O2P	LNK A	20	-1.462	-5.973	79.007	1.00	0.00	O
ATOM	609	P	LNK A	20	-0.158	-5.455	78.523	1.00	0.00	P
ATOM	610	H01	LNK A	20	-1.007	-7.838	77.959	0.00	0.00	H
ATOM	611	H02	LNK A	20	0.519	-8.663	78.356	0.00	0.00	H
ATOM	612	H03	LNK A	20	-1.693	-8.408	75.190	0.00	0.00	H
ATOM	613	H04	LNK A	20	1.053	-9.027	76.143	0.00	0.00	H
ATOM	614	H05	LNK A	20	0.355	-7.476	75.615	0.00	0.00	H
ATOM	615	H06	LNK A	20	-1.645	-9.406	76.664	0.00	0.00	H
ATOM	616	AU	LNK A	20	-1.196	-10.804	74.505			
TER										
ATOM	618	C1'	A B	2	-8.238	4.158	82.775	1.00	0.00	C
ATOM	619	N1	A B	2	-3.745	2.571	80.869	1.00	0.00	N
ATOM	620	C2	A B	2	-4.717	1.939	81.517	1.00	0.00	C
ATOM	621	N3	A B	2	-5.857	2.409	81.980	1.00	0.00	N
ATOM	622	C4	A B	2	-5.958	3.727	81.717	1.00	0.00	C
ATOM	623	C5	A B	2	-5.051	4.516	81.068	1.00	0.00	C
ATOM	624	C6	A B	2	-3.873	3.883	80.622	1.00	0.00	C
ATOM	625	N6	A B	2	-2.894	4.532	79.968	1.00	0.00	N
ATOM	626	N7	A B	2	-5.499	5.823	80.983	1.00	0.00	N
ATOM	627	C8	A B	2	-6.653	5.797	81.581	1.00	0.00	C
ATOM	628	N9	A B	2	-7.000	4.557	82.050	1.00	0.00	N
ATOM	629	C2'	A B	2	-8.742	5.210	83.754	1.00	0.00	C
ATOM	630	C3'	A B	2	-10.249	5.060	83.632	1.00	0.00	C
ATOM	631	O3'	A B	2	-10.684	4.007	84.489	1.00	0.00	O
ATOM	632	C4'	A B	2	-10.439	4.719	82.155	1.00	0.00	C
ATOM	633	O4'	A B	2	-9.248	3.939	81.809	1.00	0.00	O
ATOM	634	C5'	A B	2	-10.547	5.887	81.204	1.00	0.00	C
ATOM	635	O5'	A B	2	-9.665	6.952	81.635	1.00	0.00	O
ATOM	636	H2	A B	2	-4.551	0.878	81.690	1.00	0.00	H
ATOM	637	H8	A B	2	-7.286	6.678	81.698	1.00	0.00	H
ATOM	638	H1'	A B	2	-8.046	3.213	83.282	1.00	0.00	H
ATOM	639	H3'	A B	2	-10.774	5.979	83.894	1.00	0.00	H
ATOM	640	H4'	A B	2	-11.361	4.142	82.081	1.00	0.00	H
ATOM	641	H61	A B	2	-2.055	4.021	79.661	1.00	0.00	H
ATOM	642	H62	A B	2	-2.985	5.540	79.775	1.00	0.00	H

ATOM	643	H2'1	A B	2	-8.420	6.216	83.482	1.00	0.00	H
ATOM	644	H2'2	A B	2	-8.404	5.022	84.774	1.00	0.00	H
ATOM	645	H5'1	A B	2	-10.267	5.559	80.203	1.00	0.00	H
ATOM	646	H5'2	A B	2	-11.576	6.242	81.190	1.00	0.00	H
ATOM	647	C1'	C B	3	-6.003	1.095	85.980	1.00	0.00	C
ATOM	648	N1	C B	3	-5.273	2.266	85.420	1.00	0.00	N
ATOM	649	C2	C B	3	-4.020	2.043	84.853	1.00	0.00	C
ATOM	650	O2	C B	3	-3.569	0.890	84.836	1.00	0.00	O
ATOM	651	N3	C B	3	-3.339	3.094	84.338	1.00	0.00	N
ATOM	652	C4	C B	3	-3.853	4.331	84.371	1.00	0.00	C
ATOM	653	N4	C B	3	-3.145	5.324	83.850	1.00	0.00	N
ATOM	654	C5	C B	3	-5.138	4.593	84.953	1.00	0.00	C
ATOM	655	C6	C B	3	-5.809	3.516	85.462	1.00	0.00	C
ATOM	656	C2'	C B	3	-6.771	1.405	87.258	1.00	0.00	C
ATOM	657	C3'	C B	3	-8.007	0.530	87.104	1.00	0.00	C
ATOM	658	O3'	C B	3	-7.709	-0.785	87.565	1.00	0.00	O
ATOM	659	C4'	C B	3	-8.265	0.570	85.600	1.00	0.00	C
ATOM	660	O4'	C B	3	-6.932	0.662	85.005	1.00	0.00	O
ATOM	661	C5'	C B	3	-9.101	1.723	85.093	1.00	0.00	C
ATOM	662	O5'	C B	3	-8.794	2.921	85.850	1.00	0.00	O
ATOM	663	O1P	C B	3	-10.936	3.399	87.080	1.00	0.00	O
ATOM	664	O2P	C B	3	-9.367	5.274	86.518	1.00	0.00	O
ATOM	665	P	C B	3	-9.959	3.970	86.132	1.00	0.00	P
ATOM	666	H5	C B	3	-5.559	5.597	84.989	1.00	0.00	H
ATOM	667	H6	C B	3	-6.792	3.662	85.908	1.00	0.00	H
ATOM	668	H1'	C B	3	-5.285	0.290	86.142	1.00	0.00	H
ATOM	669	H3'	C B	3	-8.857	0.925	87.660	1.00	0.00	H
ATOM	670	H4'	C B	3	-8.785	-0.353	85.343	1.00	0.00	H
ATOM	671	H41	C B	3	-3.520	6.284	83.859	1.00	0.00	H
ATOM	672	H42	C B	3	-2.222	5.135	83.433	1.00	0.00	H
ATOM	673	H2'1	C B	3	-7.039	2.457	87.336	1.00	0.00	H
ATOM	674	H2'2	C B	3	-6.208	1.142	88.153	1.00	0.00	H
ATOM	675	H5'1	C B	3	-8.881	1.888	84.038	1.00	0.00	H
ATOM	676	H5'2	C B	3	-10.155	1.477	85.205	1.00	0.00	H
ATOM	677	C1'	C B	4	-2.073	-1.126	88.019	1.00	0.00	C
ATOM	678	N1	C B	4	-2.110	0.354	87.861	1.00	0.00	N
ATOM	679	C2	C B	4	-1.025	0.971	87.242	1.00	0.00	C
ATOM	680	O2	C B	4	-0.082	0.270	86.849	1.00	0.00	O
ATOM	681	N3	C B	4	-1.037	2.316	87.088	1.00	0.00	N
ATOM	682	C4	C B	4	-2.072	3.050	87.523	1.00	0.00	C
ATOM	683	N4	C B	4	-2.034	4.361	87.344	1.00	0.00	N
ATOM	684	C5	C B	4	-3.199	2.443	88.168	1.00	0.00	C
ATOM	685	C6	C B	4	-3.166	1.084	88.307	1.00	0.00	C
ATOM	686	C2'	C B	4	-2.662	-1.617	89.334	1.00	0.00	C
ATOM	687	C3'	C B	4	-3.326	-2.921	88.916	1.00	0.00	C
ATOM	688	O3'	C B	4	-2.356	-3.965	88.925	1.00	0.00	O
ATOM	689	C4'	C B	4	-3.827	-2.611	87.508	1.00	0.00	C
ATOM	690	O4'	C B	4	-2.828	-1.690	86.963	1.00	0.00	O
ATOM	691	C5'	C B	4	-5.189	-1.962	87.405	1.00	0.00	C
ATOM	692	O5'	C B	4	-5.373	-1.036	88.507	1.00	0.00	O
ATOM	693	O1P	C B	4	-7.231	-2.084	89.842	1.00	0.00	O
ATOM	694	O2P	C B	4	-6.888	0.401	89.904	1.00	0.00	O
ATOM	695	P	C B	4	-6.833	-0.859	89.122	1.00	0.00	P
ATOM	696	H5	C B	4	-4.039	3.035	88.530	1.00	0.00	H

ATOM	697	H6	C B	4	-4.004	0.577	88.785	1.00	0.00	H
ATOM	698	H1'	C B	4	-1.041	-1.456	87.905	1.00	0.00	H
ATOM	699	H3'	C B	4	-4.151	-3.189	89.577	1.00	0.00	H
ATOM	700	H4'	C B	4	-3.870	-3.558	86.970	1.00	0.00	H
ATOM	701	H41	C B	4	-2.817	4.949	87.666	1.00	0.00	H
ATOM	702	H42	C B	4	-1.221	4.797	86.882	1.00	0.00	H
ATOM	703	H2'1	C B	4	-3.387	-0.918	89.749	1.00	0.00	H
ATOM	704	H2'2	C B	4	-1.897	-1.787	90.092	1.00	0.00	H
ATOM	705	H5'1	C B	4	-5.261	-1.428	86.459	1.00	0.00	H
ATOM	706	H5'2	C B	4	-5.955	-2.735	87.442	1.00	0.00	H
ATOM	707	C1'	G B	5	2.724	-1.472	89.197	1.00	0.00	C
ATOM	708	N1	G B	5	2.594	3.616	88.846	1.00	0.00	N
ATOM	709	C2	G B	5	3.546	2.718	88.394	1.00	0.00	C
ATOM	710	N2	G B	5	4.603	3.247	87.767	1.00	0.00	N
ATOM	711	N3	G B	5	3.447	1.400	88.555	1.00	0.00	N
ATOM	712	C4	G B	5	2.315	1.042	89.216	1.00	0.00	C
ATOM	713	C5	G B	5	1.316	1.867	89.706	1.00	0.00	C
ATOM	714	C6	G B	5	1.416	3.266	89.533	1.00	0.00	C
ATOM	715	O6	G B	5	0.640	4.149	89.894	1.00	0.00	O
ATOM	716	N7	G B	5	0.324	1.103	90.326	1.00	0.00	N
ATOM	717	C8	G B	5	0.742	-0.130	90.193	1.00	0.00	C
ATOM	718	N9	G B	5	1.946	-0.247	89.530	1.00	0.00	N
ATOM	719	C2'	G B	5	2.683	-2.538	90.284	1.00	0.00	C
ATOM	720	C3'	G B	5	2.678	-3.821	89.469	1.00	0.00	C
ATOM	721	O3'	G B	5	4.019	-4.170	89.135	1.00	0.00	O
ATOM	722	C4'	G B	5	1.855	-3.439	88.239	1.00	0.00	C
ATOM	723	O4'	G B	5	2.171	-2.028	88.020	1.00	0.00	O
ATOM	724	C5'	G B	5	0.358	-3.588	88.360	1.00	0.00	C
ATOM	725	O5'	G B	5	-0.063	-3.236	89.701	1.00	0.00	O
ATOM	726	O1P	G B	5	-0.917	-5.412	90.634	1.00	0.00	O
ATOM	727	O2P	G B	5	-1.822	-3.238	91.496	1.00	0.00	O
ATOM	728	P	G B	5	-1.296	-4.014	90.349	1.00	0.00	P
ATOM	729	H1	G B	5	2.760	4.618	88.664	1.00	0.00	H
ATOM	730	H8	G B	5	0.189	-0.988	90.572	1.00	0.00	H
ATOM	731	H1'	G B	5	3.750	-1.176	88.979	1.00	0.00	H
ATOM	732	H21	G B	5	4.671	4.267	87.644	1.00	0.00	H
ATOM	733	H3'	G B	5	2.214	-4.647	90.010	1.00	0.00	H
ATOM	734	H22	G B	5	5.349	2.634	87.409	1.00	0.00	H
ATOM	735	H4'	G B	5	2.189	-4.081	87.424	1.00	0.00	H
ATOM	736	H2'1	G B	5	1.792	-2.459	90.908	1.00	0.00	H
ATOM	737	H2'2	G B	5	3.550	-2.490	90.943	1.00	0.00	H
ATOM	738	H5'1	G B	5	-0.126	-2.930	87.638	1.00	0.00	H
ATOM	739	H5'2	G B	5	0.082	-4.620	88.146	1.00	0.00	H
ATOM	740	C1'	T B	6	7.219	0.363	90.159	1.00	0.00	C
ATOM	741	N1	T B	6	6.026	0.897	90.869	1.00	0.00	N
ATOM	742	C2	T B	6	5.851	2.266	90.866	1.00	0.00	C
ATOM	743	O2	T B	6	6.625	3.030	90.315	1.00	0.00	O
ATOM	744	N3	T B	6	4.727	2.718	91.536	1.00	0.00	N
ATOM	745	C4	T B	6	3.794	1.944	92.192	1.00	0.00	C
ATOM	746	O4	T B	6	2.828	2.463	92.762	1.00	0.00	O
ATOM	747	C5	T B	6	4.062	0.526	92.139	1.00	0.00	C
ATOM	748	C6	T B	6	5.145	0.049	91.495	1.00	0.00	C
ATOM	749	C7	T B	6	3.070	-0.355	92.838	1.00	0.00	C
ATOM	750	C2'	T B	6	7.868	-0.825	90.859	1.00	0.00	C

ATOM	751	C3'	T B	6	8.331	-1.670	89.682	1.00	0.00	C
ATOM	752	O3'	T B	6	9.602	-1.198	89.238	1.00	0.00	O
ATOM	753	C4'	T B	6	7.234	-1.439	88.644	1.00	0.00	C
ATOM	754	O4'	T B	6	6.805	-0.059	88.875	1.00	0.00	O
ATOM	755	C5'	T B	6	6.025	-2.342	88.731	1.00	0.00	C
ATOM	756	O5'	T B	6	5.720	-2.618	90.122	1.00	0.00	O
ATOM	757	O1P	T B	6	6.163	-5.086	90.336	1.00	0.00	O
ATOM	758	O2P	T B	6	4.498	-3.973	91.848	1.00	0.00	O
ATOM	759	P	T B	6	5.128	-4.048	90.508	1.00	0.00	P
ATOM	760	H3	T B	6	4.573	3.737	91.546	1.00	0.00	H
ATOM	761	H6	T B	6	5.325	-1.026	91.470	1.00	0.00	H
ATOM	762	H1'	T B	6	7.933	1.177	90.031	1.00	0.00	H
ATOM	763	H3'	T B	6	8.410	-2.724	89.943	1.00	0.00	H
ATOM	764	H4'	T B	6	7.690	-1.586	87.665	1.00	0.00	H
ATOM	765	H71	T B	6	3.551	-0.847	93.683	1.00	0.00	H
ATOM	766	H72	T B	6	2.235	0.248	93.195	1.00	0.00	H
ATOM	767	H73	T B	6	2.700	-1.111	92.143	1.00	0.00	H
ATOM	768	H2'1	T B	6	7.164	-1.370	91.485	1.00	0.00	H
ATOM	769	H2'2	T B	6	8.707	-0.528	91.488	1.00	0.00	H
ATOM	770	H5'1	T B	6	5.176	-1.850	88.258	1.00	0.00	H
ATOM	771	H5'2	T B	6	6.238	-3.274	88.209	1.00	0.00	H
ATOM	772	C1'	C B	7	10.332	3.939	91.638	1.00	0.00	C
ATOM	773	N1	C B	7	9.175	3.543	92.491	1.00	0.00	N
ATOM	774	C2	C B	7	8.333	4.550	92.954	1.00	0.00	C
ATOM	775	O2	C B	7	8.574	5.724	92.641	1.00	0.00	O
ATOM	776	N3	C B	7	7.274	4.211	93.731	1.00	0.00	N
ATOM	777	C4	C B	7	7.039	2.934	94.052	1.00	0.00	C
ATOM	778	N4	C B	7	5.988	2.659	94.811	1.00	0.00	N
ATOM	779	C5	C B	7	7.892	1.876	93.595	1.00	0.00	C
ATOM	780	C6	C B	7	8.949	2.241	92.808	1.00	0.00	C
ATOM	781	C2'	C B	7	11.594	3.130	91.904	1.00	0.00	C
ATOM	782	C3'	C B	7	12.197	3.021	90.513	1.00	0.00	C
ATOM	783	O3'	C B	7	12.966	4.190	90.242	1.00	0.00	O
ATOM	784	C4'	C B	7	10.966	2.919	89.615	1.00	0.00	C
ATOM	785	O4'	C B	7	9.959	3.738	90.288	1.00	0.00	O
ATOM	786	C5'	C B	7	10.400	1.532	89.406	1.00	0.00	C
ATOM	787	O5'	C B	7	10.524	0.764	90.629	1.00	0.00	O
ATOM	788	O1P	C B	7	12.157	-1.049	90.016	1.00	0.00	O
ATOM	789	O2P	C B	7	10.460	-1.448	91.819	1.00	0.00	O
ATOM	790	P	C B	7	10.795	-0.804	90.527	1.00	0.00	P
ATOM	791	H5	C B	7	7.707	0.835	93.860	1.00	0.00	H
ATOM	792	H6	C B	7	9.622	1.472	92.430	1.00	0.00	H
ATOM	793	H1'	C B	7	10.512	5.004	91.783	1.00	0.00	H
ATOM	794	H3'	C B	7	12.833	2.139	90.411	1.00	0.00	H
ATOM	795	H4'	C B	7	11.252	3.310	88.638	1.00	0.00	H
ATOM	796	H41	C B	7	5.781	1.683	95.072	1.00	0.00	H
ATOM	797	H42	C B	7	5.377	3.421	95.142	1.00	0.00	H
ATOM	798	H2'1	C B	7	11.377	2.147	92.320	1.00	0.00	H
ATOM	799	H2'2	C B	7	12.272	3.636	92.592	1.00	0.00	H
ATOM	800	H5'1	C B	7	9.349	1.613	89.126	1.00	0.00	H
ATOM	801	H5'2	C B	7	10.948	1.039	88.605	1.00	0.00	H
ATOM	802	C1'	C B	8	11.544	8.026	94.159	1.00	0.00	C
ATOM	803	N1	C B	8	10.891	6.879	94.846	1.00	0.00	N
ATOM	804	C2	C B	8	9.760	7.139	95.618	1.00	0.00	C



ATOM	805	O2	C B	8	9.346	8.303	95.698	1.00	0.00	O
ATOM	806	N3	C B	8	9.150	6.109	96.251	1.00	0.00	N
ATOM	807	C4	C B	8	9.621	4.859	96.145	1.00	0.00	C
ATOM	808	N4	C B	8	8.983	3.889	96.784	1.00	0.00	N
ATOM	809	C5	C B	8	10.786	4.561	95.363	1.00	0.00	C
ATOM	810	C6	C B	8	11.381	5.616	94.729	1.00	0.00	C
ATOM	811	C2'	C B	8	13.065	7.944	94.139	1.00	0.00	C
ATOM	812	C3'	C B	8	13.396	8.545	92.781	1.00	0.00	C
ATOM	813	O3'	C B	8	13.443	9.965	92.897	1.00	0.00	O
ATOM	814	C4'	C B	8	12.234	8.075	91.908	1.00	0.00	C
ATOM	815	O4'	C B	8	11.089	8.040	92.819	1.00	0.00	O
ATOM	816	C5'	C B	8	12.383	6.714	91.268	1.00	0.00	C
ATOM	817	O5'	C B	8	13.071	5.817	92.177	1.00	0.00	O
ATOM	818	O1P	C B	8	15.245	5.349	90.997	1.00	0.00	O
ATOM	819	O2P	C B	8	14.291	3.660	92.588	1.00	0.00	O
ATOM	820	P	C B	8	14.043	4.711	91.571	1.00	0.00	P
ATOM	821	H5	C B	8	11.177	3.547	95.279	1.00	0.00	H
ATOM	822	H6	C B	8	12.266	5.438	94.117	1.00	0.00	H
ATOM	823	H1'	C B	8	11.209	8.947	94.637	1.00	0.00	H
ATOM	824	H3'	C B	8	14.349	8.182	92.395	1.00	0.00	H
ATOM	825	H4'	C B	8	12.123	8.806	91.109	1.00	0.00	H
ATOM	826	H41	C B	8	9.323	2.917	96.716	1.00	0.00	H
ATOM	827	H42	C B	8	8.147	4.104	97.347	1.00	0.00	H
ATOM	828	H2'1	C B	8	13.425	6.919	94.217	1.00	0.00	H
ATOM	829	H2'2	C B	8	13.520	8.516	94.948	1.00	0.00	H
ATOM	830	H5'1	C B	8	11.395	6.317	91.038	1.00	0.00	H
ATOM	831	H5'2	C B	8	12.954	6.814	90.346	1.00	0.00	H
ATOM	832	C1'	T B	9	11.059	11.297	97.841	1.00	0.00	C
ATOM	833	N1	T B	9	11.152	9.844	98.140	1.00	0.00	N
ATOM	834	C2	T B	9	10.181	9.304	98.959	1.00	0.00	C
ATOM	835	O2	T B	9	9.275	9.968	99.431	1.00	0.00	O
ATOM	836	N3	T B	9	10.307	7.951	99.209	1.00	0.00	N
ATOM	837	C4	T B	9	11.291	7.114	98.729	1.00	0.00	C
ATOM	838	O4	T B	9	11.301	5.913	99.026	1.00	0.00	O
ATOM	839	C5	T B	9	12.260	7.767	97.881	1.00	0.00	C
ATOM	840	C6	T B	9	12.169	9.085	97.615	1.00	0.00	C
ATOM	841	C7	T B	9	13.349	6.893	97.334	1.00	0.00	C
ATOM	842	C2'	T B	9	12.410	12.001	97.777	1.00	0.00	C
ATOM	843	C3'	T B	9	12.183	13.024	96.674	1.00	0.00	C
ATOM	844	O3'	T B	9	11.572	14.185	97.232	1.00	0.00	O
ATOM	845	C4'	T B	9	11.254	12.286	95.711	1.00	0.00	C
ATOM	846	O4'	T B	9	10.434	11.441	96.580	1.00	0.00	O
ATOM	847	C5'	T B	9	11.919	11.413	94.673	1.00	0.00	C
ATOM	848	O5'	T B	9	13.091	10.779	95.245	1.00	0.00	O
ATOM	849	O1P	T B	9	14.994	11.800	93.953	1.00	0.00	O
ATOM	850	O2P	T B	9	15.237	9.506	94.942	1.00	0.00	O
ATOM	851	P	T B	9	14.355	10.517	94.309	1.00	0.00	P
ATOM	852	H3	T B	9	9.591	7.524	99.815	1.00	0.00	H
ATOM	853	H6	T B	9	12.914	9.556	96.973	1.00	0.00	H
ATOM	854	H1'	T B	9	10.414	11.760	98.589	1.00	0.00	H
ATOM	855	H3'	T B	9	13.114	13.305	96.184	1.00	0.00	H
ATOM	856	H4'	T B	9	10.675	13.047	95.186	1.00	0.00	H
ATOM	857	H71	T B	9	14.308	7.203	97.749	1.00	0.00	H
ATOM	858	H72	T B	9	13.154	5.855	97.606	1.00	0.00	H

ATOM	859	H73	T B	9	13.377	6.985	96.248	1.00	0.00	H
ATOM	860	H2'1	T B	9	13.219	11.317	97.524	1.00	0.00	H
ATOM	861	H2'2	T B	9	12.669	12.483	98.719	1.00	0.00	H
ATOM	862	H5'1	T B	9	11.214	10.652	94.340	1.00	0.00	H
ATOM	863	H5'2	T B	9	12.211	12.027	93.824	1.00	0.00	H
ATOM	864	C1'	A B	10	9.678	12.692	102.400	1.00	0.00	C
ATOM	865	N1	A B	10	10.211	7.704	103.479	1.00	0.00	N
ATOM	866	C2	A B	10	9.292	8.603	103.817	1.00	0.00	C
ATOM	867	N3	A B	10	9.213	9.877	103.500	1.00	0.00	N
ATOM	868	C4	A B	10	10.256	10.231	102.728	1.00	0.00	C
ATOM	869	C5	A B	10	11.280	9.434	102.295	1.00	0.00	C
ATOM	870	C6	A B	10	11.241	8.086	102.707	1.00	0.00	C
ATOM	871	N6	A B	10	12.177	7.186	102.359	1.00	0.00	N
ATOM	872	N7	A B	10	12.173	10.148	101.515	1.00	0.00	N
ATOM	873	C8	A B	10	11.679	11.350	101.496	1.00	0.00	C
ATOM	874	N9	A B	10	10.514	11.476	102.208	1.00	0.00	N
ATOM	875	C2'	A B	10	10.486	13.974	102.552	1.00	0.00	C
ATOM	876	C3'	A B	10	9.605	14.992	101.845	1.00	0.00	C
ATOM	877	O3'	A B	10	8.617	15.467	102.756	1.00	0.00	O
ATOM	878	C4'	A B	10	8.994	14.177	100.705	1.00	0.00	C
ATOM	879	O4'	A B	10	8.852	12.830	101.259	1.00	0.00	O
ATOM	880	C5'	A B	10	9.802	14.094	99.432	1.00	0.00	C
ATOM	881	O5'	A B	10	11.216	14.024	99.752	1.00	0.00	O
ATOM	882	O1P	A B	10	12.127	16.186	98.841	1.00	0.00	O
ATOM	883	O2P	A B	10	13.618	14.176	99.029	1.00	0.00	O
ATOM	884	P	A B	10	12.261	14.718	98.768	1.00	0.00	P
ATOM	885	H2	A B	10	8.486	8.229	104.447	1.00	0.00	H
ATOM	886	H8	A B	10	12.146	12.179	100.965	1.00	0.00	H
ATOM	887	H1'	A B	10	9.035	12.532	103.264	1.00	0.00	H
ATOM	888	H3'	A B	10	10.180	15.834	101.462	1.00	0.00	H
ATOM	889	H4'	A B	10	8.038	14.641	100.462	1.00	0.00	H
ATOM	890	H61	A B	10	12.099	6.213	102.684	1.00	0.00	H
ATOM	891	H62	A B	10	12.971	7.472	101.768	1.00	0.00	H
ATOM	892	H2'1	A B	10	11.467	13.904	102.081	1.00	0.00	H
ATOM	893	H2'2	A B	10	10.642	14.243	103.597	1.00	0.00	H
ATOM	894	H5'1	A B	10	9.507	13.203	98.877	1.00	0.00	H
ATOM	895	H5'2	A B	10	9.607	14.975	98.825	1.00	0.00	H
ATOM	896	C1'	G B	11	8.616	11.849	107.175	1.00	0.00	C
ATOM	897	N1	G B	11	11.671	7.809	106.571	1.00	0.00	N
ATOM	898	C2	G B	11	10.460	7.916	107.232	1.00	0.00	C
ATOM	899	N2	G B	11	10.004	6.798	107.809	1.00	0.00	N
ATOM	900	N3	G B	11	9.761	9.046	107.308	1.00	0.00	N
ATOM	901	C4	G B	11	10.377	10.078	106.673	1.00	0.00	C
ATOM	902	C5	G B	11	11.583	10.066	105.995	1.00	0.00	C
ATOM	903	C6	G B	11	12.326	8.866	105.909	1.00	0.00	C
ATOM	904	O6	G B	11	13.406	8.659	105.357	1.00	0.00	O
ATOM	905	N7	G B	11	11.863	11.336	105.485	1.00	0.00	N
ATOM	906	C8	G B	11	10.839	12.061	105.860	1.00	0.00	C
ATOM	907	N9	G B	11	9.895	11.366	106.587	1.00	0.00	N
ATOM	908	C2'	G B	11	8.696	13.261	107.741	1.00	0.00	C
ATOM	909	C3'	G B	11	7.318	13.812	107.415	1.00	0.00	C
ATOM	910	O3'	G B	11	6.404	13.421	108.437	1.00	0.00	O
ATOM	911	C4'	G B	11	6.998	13.156	106.073	1.00	0.00	C
ATOM	912	O4'	G B	11	7.642	11.845	106.151	1.00	0.00	O

ATOM	913	C5'	G B	11	7.501	13.870	104.841	1.00	0.00	C
ATOM	914	O5'	G B	11	8.793	14.467	105.113	1.00	0.00	O
ATOM	915	O1P	G B	11	8.337	16.938	104.966	1.00	0.00	O
ATOM	916	O2P	G B	11	10.631	16.054	104.469	1.00	0.00	O
ATOM	917	P	G B	11	9.164	15.851	104.410	1.00	0.00	P
ATOM	918	H1	G B	11	12.130	6.885	106.565	1.00	0.00	H
ATOM	919	H8	G B	11	10.744	13.119	105.620	1.00	0.00	H
ATOM	920	H1'	G B	11	8.302	11.138	107.940	1.00	0.00	H
ATOM	921	H21	G B	11	10.548	5.925	107.742	1.00	0.00	H
ATOM	922	H3'	G B	11	7.321	14.899	107.330	1.00	0.00	H
ATOM	923	H22	G B	11	9.109	6.810	108.319	1.00	0.00	H
ATOM	924	H4'	G B	11	5.911	13.094	106.002	1.00	0.00	H
ATOM	925	H2'1	G B	11	9.482	13.852	107.269	1.00	0.00	H
ATOM	926	H2'2	G B	11	8.882	13.265	108.815	1.00	0.00	H
ATOM	927	H5'1	G B	11	7.591	13.153	104.024	1.00	0.00	H
ATOM	928	H5'2	G B	11	6.788	14.645	104.561	1.00	0.00	H
ATOM	929	C1'	G B	12	8.926	9.335	111.431	1.00	0.00	C
ATOM	930	N1	G B	12	13.398	7.783	109.529	1.00	0.00	N
ATOM	931	C2	G B	12	12.421	7.067	110.199	1.00	0.00	C
ATOM	932	N2	G B	12	12.669	5.764	110.387	1.00	0.00	N
ATOM	933	N3	G B	12	11.287	7.607	110.642	1.00	0.00	N
ATOM	934	C4	G B	12	11.207	8.936	110.370	1.00	0.00	C
ATOM	935	C5	G B	12	12.130	9.731	109.714	1.00	0.00	C
ATOM	936	C6	G B	12	13.332	9.158	109.239	1.00	0.00	C
ATOM	937	O6	G B	12	14.265	9.695	108.640	1.00	0.00	O
ATOM	938	N7	G B	12	11.669	11.047	109.640	1.00	0.00	N
ATOM	939	C8	G B	12	10.506	11.008	110.236	1.00	0.00	C
ATOM	940	N9	G B	12	10.155	9.760	110.708	1.00	0.00	N
ATOM	941	C2'	G B	12	8.409	10.370	112.422	1.00	0.00	C
ATOM	942	C3'	G B	12	6.903	10.200	112.303	1.00	0.00	C
ATOM	943	O3'	G B	12	6.484	9.133	113.151	1.00	0.00	O
ATOM	944	C4'	G B	12	6.715	9.869	110.824	1.00	0.00	C
ATOM	945	O4'	G B	12	7.915	9.112	110.468	1.00	0.00	O
ATOM	946	C5'	G B	12	6.590	11.045	109.883	1.00	0.00	C
ATOM	947	O5'	G B	12	7.457	12.119	110.323	1.00	0.00	O
ATOM	948	O1P	G B	12	5.844	13.935	110.986	1.00	0.00	O
ATOM	949	O2P	G B	12	8.155	14.531	110.212	1.00	0.00	O
ATOM	950	P	G B	12	6.984	13.627	110.102	1.00	0.00	P
ATOM	951	H1	G B	12	14.238	7.268	109.221	1.00	0.00	H
ATOM	952	H8	G B	12	9.868	11.885	110.352	1.00	0.00	H
ATOM	953	H1'	G B	12	9.132	8.388	111.928	1.00	0.00	H
ATOM	954	H21	G B	12	13.546	5.353	110.038	1.00	0.00	H
ATOM	955	H3'	G B	12	6.366	11.109	112.574	1.00	0.00	H
ATOM	956	H22	G B	12	11.982	5.177	110.882	1.00	0.00	H
ATOM	957	H4'	G B	12	5.801	9.281	110.744	1.00	0.00	H
ATOM	958	H2'1	G B	12	8.716	11.382	112.159	1.00	0.00	H
ATOM	959	H2'2	G B	12	8.752	10.177	113.438	1.00	0.00	H
ATOM	960	H5'1	G B	12	6.872	10.732	108.879	1.00	0.00	H
ATOM	961	H5'2	G B	12	5.554	11.387	109.875	1.00	0.00	H
ATOM	962	C1'	T B	13	11.120	6.286	114.654	1.00	0.00	C
ATOM	963	N1	T B	13	11.867	7.441	114.090	1.00	0.00	N
ATOM	964	C2	T B	13	13.105	7.182	113.537	1.00	0.00	C
ATOM	965	O2	T B	13	13.589	6.065	113.500	1.00	0.00	O
ATOM	966	N3	T B	13	13.764	8.284	113.024	1.00	0.00	N

ATOM	967	C4	T B	13	13.308	9.587	113.018	1.00	0.00	C
ATOM	968	O4	T B	13	13.991	10.494	112.531	1.00	0.00	O
ATOM	969	C5	T B	13	12.004	9.759	113.617	1.00	0.00	C
ATOM	970	C6	T B	13	11.333	8.706	114.127	1.00	0.00	C
ATOM	971	C7	T B	13	11.467	11.158	113.631	1.00	0.00	C
ATOM	972	C2'	T B	13	10.348	6.616	115.928	1.00	0.00	C
ATOM	973	C3'	T B	13	9.103	5.756	115.774	1.00	0.00	C
ATOM	974	O3'	T B	13	9.382	4.440	116.248	1.00	0.00	O
ATOM	975	C4'	T B	13	8.851	5.787	114.269	1.00	0.00	C
ATOM	976	O4'	T B	13	10.189	5.856	113.680	1.00	0.00	O
ATOM	977	C5'	T B	13	8.032	6.947	113.749	1.00	0.00	C
ATOM	978	O5'	T B	13	8.352	8.147	114.499	1.00	0.00	O
ATOM	979	O1P	T B	13	6.212	8.661	115.716	1.00	0.00	O
ATOM	980	O2P	T B	13	7.808	10.512	115.146	1.00	0.00	O
ATOM	981	P	T B	13	7.199	9.214	114.767	1.00	0.00	P
ATOM	982	H3	T B	13	14.689	8.116	112.603	1.00	0.00	H
ATOM	983	H6	T B	13	10.351	8.862	114.573	1.00	0.00	H
ATOM	984	H1'	T B	13	11.825	5.473	114.826	1.00	0.00	H
ATOM	985	H3'	T B	13	8.256	6.166	116.325	1.00	0.00	H
ATOM	986	H4'	T B	13	8.321	4.869	114.018	1.00	0.00	H
ATOM	987	H71	T B	13	11.388	11.508	114.659	1.00	0.00	H
ATOM	988	H72	T B	13	12.142	11.812	113.075	1.00	0.00	H
ATOM	989	H73	T B	13	10.481	11.175	113.164	1.00	0.00	H
ATOM	990	H2'1	T B	13	10.096	7.673	115.995	1.00	0.00	H
ATOM	991	H2'2	T B	13	10.904	6.353	116.827	1.00	0.00	H
ATOM	992	H5'1	T B	13	8.258	7.099	112.693	1.00	0.00	H
ATOM	993	H5'2	T B	13	6.975	6.715	113.860	1.00	0.00	H
ATOM	994	C1'	G B	14	15.070	4.065	116.682	1.00	0.00	C
ATOM	995	N1	G B	14	17.574	8.154	114.936	1.00	0.00	N
ATOM	996	C2	G B	14	17.934	6.818	114.918	1.00	0.00	C
ATOM	997	N2	G B	14	19.117	6.533	114.363	1.00	0.00	N
ATOM	998	N3	G B	14	17.172	5.844	115.413	1.00	0.00	N
ATOM	999	C4	G B	14	16.010	6.315	115.942	1.00	0.00	C
ATOM	1000	C5	G B	14	15.571	7.625	116.009	1.00	0.00	C
ATOM	1001	C6	G B	14	16.377	8.660	115.480	1.00	0.00	C
ATOM	1002	O6	G B	14	16.161	9.872	115.445	1.00	0.00	O
ATOM	1003	N7	G B	14	14.322	7.685	116.633	1.00	0.00	N
ATOM	1004	C8	G B	14	14.051	6.437	116.915	1.00	0.00	C
ATOM	1005	N9	G B	14	15.030	5.545	116.528	1.00	0.00	N
ATOM	1006	C2'	G B	14	14.479	3.568	117.995	1.00	0.00	C
ATOM	1007	C3'	G B	14	13.822	2.263	117.573	1.00	0.00	C
ATOM	1008	O3'	G B	14	14.796	1.224	117.583	1.00	0.00	O
ATOM	1009	C4'	G B	14	13.323	2.576	116.162	1.00	0.00	C
ATOM	1010	O4'	G B	14	14.319	3.500	115.625	1.00	0.00	O
ATOM	1011	C5'	G B	14	11.960	3.218	116.059	1.00	0.00	C
ATOM	1012	O5'	G B	14	11.769	4.142	117.160	1.00	0.00	O
ATOM	1013	O1P	G B	14	9.910	3.085	118.490	1.00	0.00	O
ATOM	1014	O2P	G B	14	10.244	5.570	118.556	1.00	0.00	O
ATOM	1015	P	G B	14	10.306	4.312	117.773	1.00	0.00	P
ATOM	1016	H1	G B	14	18.232	8.829	114.520	1.00	0.00	H
ATOM	1017	H8	G B	14	13.130	6.130	117.414	1.00	0.00	H
ATOM	1018	H1'	G B	14	16.105	3.738	116.571	1.00	0.00	H
ATOM	1019	H21	G B	14	19.700	7.292	113.978	1.00	0.00	H
ATOM	1020	H3'	G B	14	12.996	1.992	118.231	1.00	0.00	H

ATOM	1021	H22	G B	14	19.445	5.558	114.321	1.00	0.00	H
ATOM	1022	H4'	G B	14	13.285	1.628	115.624	1.00	0.00	H
ATOM	1023	H2'1	G B	14	13.750	4.264	118.409	1.00	0.00	H
ATOM	1024	H2'2	G B	14	15.242	3.401	118.754	1.00	0.00	H
ATOM	1025	H5'1	G B	14	11.888	3.753	115.114	1.00	0.00	H
ATOM	1026	H5'2	G B	14	11.196	2.442	116.092	1.00	0.00	H
ATOM	1027	C1'	C B	15	19.869	3.718	117.861	1.00	0.00	C
ATOM	1028	N1	C B	15	19.095	4.946	118.189	1.00	0.00	N
ATOM	1029	C2	C B	15	19.620	6.175	117.794	1.00	0.00	C
ATOM	1030	O2	C B	15	20.700	6.194	117.189	1.00	0.00	O
ATOM	1031	N3	C B	15	18.931	7.305	118.084	1.00	0.00	N
ATOM	1032	C4	C B	15	17.766	7.251	118.740	1.00	0.00	C
ATOM	1033	N4	C B	15	17.132	8.386	118.994	1.00	0.00	N
ATOM	1034	C5	C B	15	17.202	6.001	119.165	1.00	0.00	C
ATOM	1035	C6	C B	15	17.911	4.877	118.857	1.00	0.00	C
ATOM	1036	C2'	C B	15	19.827	2.656	118.951	1.00	0.00	C
ATOM	1037	C3'	C B	15	19.816	1.369	118.140	1.00	0.00	C
ATOM	1038	O3'	C B	15	21.156	1.015	117.804	1.00	0.00	O
ATOM	1039	C4'	C B	15	18.994	1.749	116.911	1.00	0.00	C
ATOM	1040	O4'	C B	15	19.310	3.160	116.686	1.00	0.00	O
ATOM	1041	C5'	C B	15	17.494	1.606	117.036	1.00	0.00	C
ATOM	1042	O5'	C B	15	17.078	1.963	118.378	1.00	0.00	O
ATOM	1043	O1P	C B	15	16.220	-0.208	119.319	1.00	0.00	O
ATOM	1044	O2P	C B	15	15.323	1.972	120.178	1.00	0.00	O
ATOM	1045	P	C B	15	15.845	1.191	119.031	1.00	0.00	P
ATOM	1046	H5	C B	15	16.256	5.955	119.705	1.00	0.00	H
ATOM	1047	H6	C B	15	17.521	3.902	119.152	1.00	0.00	H
ATOM	1048	H1'	C B	15	20.895	4.011	117.638	1.00	0.00	H
ATOM	1049	H3'	C B	15	19.351	0.548	118.686	1.00	0.00	H
ATOM	1050	H4'	C B	15	19.322	1.103	116.097	1.00	0.00	H
ATOM	1051	H41	C B	15	16.231	8.374	119.496	1.00	0.00	H
ATOM	1052	H42	C B	15	17.540	9.284	118.691	1.00	0.00	H
ATOM	1053	H2'1	C B	15	18.939	2.739	119.576	1.00	0.00	H
ATOM	1054	H2'2	C B	15	20.696	2.705	119.608	1.00	0.00	H
ATOM	1055	H5'1	C B	15	17.010	2.262	116.312	1.00	0.00	H
ATOM	1056	H5'2	C B	15	17.215	0.573	116.827	1.00	0.00	H
ATOM	1057	C1'	G B	16	24.355	5.577	118.827	1.00	0.00	C
ATOM	1058	N1	G B	16	21.723	9.745	120.138	1.00	0.00	N
ATOM	1059	C2	G B	16	22.896	9.627	119.413	1.00	0.00	C
ATOM	1060	N2	G B	16	23.439	10.772	118.982	1.00	0.00	N
ATOM	1061	N3	G B	16	23.477	8.460	119.140	1.00	0.00	N
ATOM	1062	C4	G B	16	22.793	7.408	119.659	1.00	0.00	C
ATOM	1063	C5	G B	16	21.621	7.430	120.397	1.00	0.00	C
ATOM	1064	C6	G B	16	21.001	8.669	120.685	1.00	0.00	C
ATOM	1065	O6	G B	16	19.968	8.890	121.317	1.00	0.00	O
ATOM	1066	N7	G B	16	21.246	6.131	120.745	1.00	0.00	N
ATOM	1067	C8	G B	16	22.177	5.379	120.217	1.00	0.00	C
ATOM	1068	N9	G B	16	23.154	6.083	119.543	1.00	0.00	N
ATOM	1069	C2'	G B	16	25.023	4.392	119.510	1.00	0.00	C
ATOM	1070	C3'	G B	16	25.498	3.567	118.325	1.00	0.00	C
ATOM	1071	O3'	G B	16	26.760	4.063	117.885	1.00	0.00	O
ATOM	1072	C4'	G B	16	24.396	3.792	117.291	1.00	0.00	C
ATOM	1073	O4'	G B	16	23.946	5.163	117.537	1.00	0.00	O
ATOM	1074	C5'	G B	16	23.203	2.869	117.370	1.00	0.00	C

ATOM	1075	O5'	G B	16	22.903	2.573	118.756	1.00	0.00	O
ATOM	1076	O1P	G B	16	23.383	0.110	118.942	1.00	0.00	O
ATOM	1077	O2P	G B	16	21.705	1.179	120.468	1.00	0.00	O
ATOM	1078	P	G B	16	22.334	1.129	119.126	1.00	0.00	P
ATOM	1079	H1	G B	16	21.351	10.695	120.288	1.00	0.00	H
ATOM	1080	H8	G B	16	22.182	4.294	120.304	1.00	0.00	H
ATOM	1081	H1'	G B	16	25.055	6.404	118.705	1.00	0.00	H
ATOM	1082	H21	G B	16	22.983	11.670	119.194	1.00	0.00	H
ATOM	1083	H3'	G B	16	25.593	2.510	118.574	1.00	0.00	H
ATOM	1084	H22	G B	16	24.314	10.751	118.439	1.00	0.00	H
ATOM	1085	H4'	G B	16	24.852	3.664	116.309	1.00	0.00	H
ATOM	1086	H2'1	G B	16	24.329	3.828	120.133	1.00	0.00	H
ATOM	1087	H2'2	G B	16	25.857	4.696	120.143	1.00	0.00	H
ATOM	1088	H5'1	G B	16	22.345	3.354	116.903	1.00	0.00	H
ATOM	1089	H5'2	G B	16	23.430	1.946	116.836	1.00	0.00	H
ATOM	1090	C1'	G B	17	27.475	9.129	120.303	1.00	0.00	C
ATOM	1091	N1	G B	17	23.425	10.810	122.912	1.00	0.00	N
ATOM	1092	C2	G B	17	24.364	11.513	122.178	1.00	0.00	C
ATOM	1093	N2	G B	17	24.203	12.842	122.135	1.00	0.00	N
ATOM	1094	N3	G B	17	25.380	10.938	121.538	1.00	0.00	N
ATOM	1095	C4	G B	17	25.392	9.588	121.697	1.00	0.00	C
ATOM	1096	C5	G B	17	24.503	8.804	122.411	1.00	0.00	C
ATOM	1097	C6	G B	17	23.422	9.412	123.086	1.00	0.00	C
ATOM	1098	O6	G B	17	22.537	8.891	123.766	1.00	0.00	O
ATOM	1099	N7	G B	17	24.868	7.459	122.323	1.00	0.00	N
ATOM	1100	C8	G B	17	25.940	7.470	121.574	1.00	0.00	C
ATOM	1101	N9	G B	17	26.322	8.727	121.155	1.00	0.00	N
ATOM	1102	C2'	G B	17	28.738	8.321	120.562	1.00	0.00	C
ATOM	1103	C3'	G B	17	29.341	8.217	119.170	1.00	0.00	C
ATOM	1104	O3'	G B	17	30.108	9.389	118.903	1.00	0.00	O
ATOM	1105	C4'	G B	17	28.108	8.117	118.273	1.00	0.00	C
ATOM	1106	O4'	G B	17	27.102	8.933	118.952	1.00	0.00	O
ATOM	1107	C5'	G B	17	27.544	6.733	118.060	1.00	0.00	C
ATOM	1108	O5'	G B	17	27.668	5.959	119.279	1.00	0.00	O
ATOM	1109	O1P	G B	17	29.305	4.151	118.655	1.00	0.00	O
ATOM	1110	O2P	G B	17	27.609	3.740	120.459	1.00	0.00	O
ATOM	1111	P	G B	17	27.942	4.391	119.168	1.00	0.00	P
ATOM	1112	H1	G B	17	22.673	11.351	123.365	1.00	0.00	H
ATOM	1113	H8	G B	17	26.485	6.566	121.305	1.00	0.00	H
ATOM	1114	H1'	G B	17	27.654	10.193	120.451	1.00	0.00	H
ATOM	1115	H21	G B	17	23.413	13.280	122.631	1.00	0.00	H
ATOM	1116	H3'	G B	17	29.976	7.338	119.063	1.00	0.00	H
ATOM	1117	H22	G B	17	24.870	13.423	121.608	1.00	0.00	H
ATOM	1118	H4'	G B	17	28.391	8.515	117.299	1.00	0.00	H
ATOM	1119	H2'1	G B	17	28.523	7.335	120.975	1.00	0.00	H
ATOM	1120	H2'2	G B	17	29.416	8.822	121.252	1.00	0.00	H
ATOM	1121	H5'1	G B	17	26.493	6.814	117.781	1.00	0.00	H
ATOM	1122	H5'2	G B	17	28.092	6.244	117.254	1.00	0.00	H
ATOM	1123	C1'	C B	18	28.688	13.217	122.822	1.00	0.00	C
ATOM	1124	N1	C B	18	28.035	12.069	123.510	1.00	0.00	N
ATOM	1125	C2	C B	18	26.903	12.330	124.280	1.00	0.00	C
ATOM	1126	O2	C B	18	26.490	13.493	124.361	1.00	0.00	O
ATOM	1127	N3	C B	18	26.294	11.298	124.914	1.00	0.00	N
ATOM	1128	C4	C B	18	26.766	10.049	124.806	1.00	0.00	C

ATOM	1129	N4	C B	18	26.129	9.079	125.447	1.00	0.00	N
ATOM	1130	C5	C B	18	27.928	9.755	124.024	1.00	0.00	C
ATOM	1131	C6	C B	18	28.524	10.806	123.393	1.00	0.00	C
ATOM	1132	C2'	C B	18	30.209	13.135	122.802	1.00	0.00	C
ATOM	1133	C3'	C B	18	30.540	13.735	121.444	1.00	0.00	C
ATOM	1134	O3'	C B	18	30.587	15.156	121.560	1.00	0.00	O
ATOM	1135	C4'	C B	18	29.378	13.265	120.572	1.00	0.00	C
ATOM	1136	O4'	C B	18	28.233	13.230	121.482	1.00	0.00	O
ATOM	1137	C5'	C B	18	29.527	11.905	119.931	1.00	0.00	C
ATOM	1138	O5'	C B	18	30.215	11.009	120.840	1.00	0.00	O
ATOM	1139	O1P	C B	18	32.388	10.539	119.660	1.00	0.00	O
ATOM	1140	O2P	C B	18	31.434	8.850	121.253	1.00	0.00	O
ATOM	1141	P	C B	18	31.187	9.900	120.234	1.00	0.00	P
ATOM	1142	H5	C B	18	28.318	8.740	123.937	1.00	0.00	H
ATOM	1143	H6	C B	18	29.409	10.630	122.783	1.00	0.00	H
ATOM	1144	H1'	C B	18	28.353	14.136	123.301	1.00	0.00	H
ATOM	1145	H3'	C B	18	31.493	13.372	121.059	1.00	0.00	H
ATOM	1146	H4'	C B	18	29.265	13.998	119.772	1.00	0.00	H
ATOM	1147	H41	C B	18	26.470	8.108	125.380	1.00	0.00	H
ATOM	1148	H42	C B	18	25.294	9.294	126.009	1.00	0.00	H
ATOM	1149	H2'1	C B	18	30.569	12.110	122.881	1.00	0.00	H
ATOM	1150	H2'2	C B	18	30.664	13.705	123.612	1.00	0.00	H
ATOM	1151	H5'1	C B	18	28.537	11.507	119.701	1.00	0.00	H
ATOM	1152	H5'2	C B	18	30.096	12.004	119.009	1.00	0.00	H
ATOM	1153	C1'	C B	19	28.188	16.476	126.517	1.00	0.00	C
ATOM	1154	N1	C B	19	28.300	15.020	126.802	1.00	0.00	N
ATOM	1155	C2	C B	19	27.336	14.439	127.624	1.00	0.00	C
ATOM	1156	O2	C B	19	26.431	15.151	128.080	1.00	0.00	O
ATOM	1157	N3	C B	19	27.420	13.115	127.896	1.00	0.00	N
ATOM	1158	C4	C B	19	28.411	12.370	127.388	1.00	0.00	C
ATOM	1159	N4	C B	19	28.446	11.081	127.685	1.00	0.00	N
ATOM	1160	C5	C B	19	29.415	12.941	126.542	1.00	0.00	C
ATOM	1161	C6	C B	19	29.309	14.275	126.281	1.00	0.00	C
ATOM	1162	C2'	C B	19	29.528	17.194	126.460	1.00	0.00	C
ATOM	1163	C3'	C B	19	29.288	18.224	125.366	1.00	0.00	C
ATOM	1164	O3'	C B	19	28.662	19.372	125.933	1.00	0.00	O
ATOM	1165	C4'	C B	19	28.368	17.484	124.398	1.00	0.00	C
ATOM	1166	O4'	C B	19	27.559	16.620	125.258	1.00	0.00	O
ATOM	1167	C5'	C B	19	29.042	16.627	123.352	1.00	0.00	C
ATOM	1168	O5'	C B	19	30.223	16.004	123.915	1.00	0.00	O
ATOM	1169	O1P	C B	19	32.111	17.061	122.631	1.00	0.00	O
ATOM	1170	O2P	C B	19	32.385	14.762	123.600	1.00	0.00	O
ATOM	1171	P	C B	19	31.489	15.767	122.976	1.00	0.00	P
ATOM	1172	H5	C B	19	30.225	12.341	126.128	1.00	0.00	H
ATOM	1173	H6	C B	19	30.050	14.753	125.641	1.00	0.00	H
ATOM	1174	H1'	C B	19	27.537	16.921	127.271	1.00	0.00	H
ATOM	1175	H3'	C B	19	30.215	18.523	124.876	1.00	0.00	H
ATOM	1176	H4'	C B	19	27.779	18.241	123.879	1.00	0.00	H
ATOM	1177	H41	C B	19	29.195	10.484	127.307	1.00	0.00	H
ATOM	1178	H42	C B	19	27.721	10.672	128.294	1.00	0.00	H
ATOM	1179	H2'1	C B	19	30.346	16.524	126.200	1.00	0.00	H
ATOM	1180	H2'2	C B	19	29.782	17.672	127.406	1.00	0.00	H
ATOM	1181	H5'1	C B	19	28.346	15.862	123.012	1.00	0.00	H
ATOM	1182	H5'2	C B	19	29.326	17.254	122.506	1.00	0.00	H

ATOM	1183	C1'	T B	20	26.823	17.881	131.062	1.00	0.00	C
ATOM	1184	N1	T B	20	27.658	16.666	130.875	1.00	0.00	N
ATOM	1185	C2	T B	20	27.227	15.505	131.483	1.00	0.00	C
ATOM	1186	O2	T B	20	26.209	15.449	132.152	1.00	0.00	O
ATOM	1187	N3	T B	20	28.032	14.401	131.283	1.00	0.00	N
ATOM	1188	C4	T B	20	29.198	14.356	130.550	1.00	0.00	C
ATOM	1189	O4	T B	20	29.838	13.303	130.442	1.00	0.00	O
ATOM	1190	C5	T B	20	29.568	15.615	129.951	1.00	0.00	C
ATOM	1191	C6	T B	20	28.807	16.714	130.125	1.00	0.00	C
ATOM	1192	C7	T B	20	30.830	15.613	129.142	1.00	0.00	C
ATOM	1193	C2'	T B	20	27.632	19.164	131.218	1.00	0.00	C
ATOM	1194	C3'	T B	20	26.752	20.182	130.506	1.00	0.00	C
ATOM	1195	O3'	T B	20	25.762	20.661	131.414	1.00	0.00	O
ATOM	1196	C4'	T B	20	26.146	19.368	129.366	1.00	0.00	C
ATOM	1197	O4'	T B	20	26.000	18.022	129.920	1.00	0.00	O
ATOM	1198	C5'	T B	20	26.960	19.282	128.095	1.00	0.00	C
ATOM	1199	O5'	T B	20	28.371	19.212	128.422	1.00	0.00	O
ATOM	1200	O1P	T B	20	29.286	21.372	127.513	1.00	0.00	O
ATOM	1201	O2P	T B	20	30.775	19.361	127.707	1.00	0.00	O
ATOM	1202	P	T B	20	29.421	19.904	127.442	1.00	0.00	P
ATOM	1203	H3	T B	20	27.732	13.522	131.726	1.00	0.00	H
ATOM	1204	H6	T B	20	29.107	17.655	129.663	1.00	0.00	H
ATOM	1205	H1'	T B	20	26.175	17.723	131.925	1.00	0.00	H
ATOM	1206	H3'	T B	20	27.330	21.023	130.127	1.00	0.00	H
ATOM	1207	H4'	T B	20	25.191	19.833	129.118	1.00	0.00	H
ATOM	1208	H3T	T B	20	26.101	20.998	132.246	1.00	0.00	H
ATOM	1209	H71	T B	20	31.575	16.245	129.627	1.00	0.00	H
ATOM	1210	H72	T B	20	31.211	14.594	129.066	1.00	0.00	H
ATOM	1211	H73	T B	20	30.625	15.999	128.143	1.00	0.00	H
ATOM	1212	H2'1	T B	20	28.612	19.093	130.752	1.00	0.00	H
ATOM	1213	H2'2	T B	20	27.784	19.433	132.263	1.00	0.00	H
ATOM	1214	H5'1	T B	20	26.664	18.392	127.540	1.00	0.00	H
ATOM	1215	H5'2	T B	20	26.766	20.164	127.487	1.00	0.00	H
TER										
ATOM	1	C1'	A A	1	20.512	42.688	111.494	1.00	0.00	C
ATOM	2	N1	A A	1	24.720	42.649	108.556	1.00	0.00	N
ATOM	3	C2	A A	1	23.603	43.371	108.517	1.00	0.00	C
ATOM	4	N3	A A	1	22.555	43.332	109.311	1.00	0.00	N
ATOM	5	C4	A A	1	22.724	42.396	110.261	1.00	0.00	C
ATOM	6	C5	A A	1	23.803	41.575	110.437	1.00	0.00	C
ATOM	7	C6	A A	1	24.861	41.723	109.516	1.00	0.00	C
ATOM	8	N6	A A	1	25.984	40.986	109.563	1.00	0.00	N
ATOM	9	N7	A A	1	23.621	40.738	111.524	1.00	0.00	N
ATOM	10	C8	A A	1	22.448	41.065	111.977	1.00	0.00	C
ATOM	11	N9	A A	1	21.842	42.066	111.262	1.00	0.00	N
ATOM	12	C2'	A A	1	19.446	41.703	111.953	1.00	0.00	C
ATOM	13	C3'	A A	1	18.628	42.549	112.916	1.00	0.00	C
ATOM	14	O3'	A A	1	17.663	43.297	112.180	1.00	0.00	O
ATOM	15	C4'	A A	1	19.682	43.445	113.563	1.00	0.00	C
ATOM	16	O4'	A A	1	20.665	43.670	112.501	1.00	0.00	O
ATOM	17	C5'	A A	1	20.394	42.880	114.769	1.00	0.00	C
ATOM	18	O5'	A A	1	20.602	41.455	114.594	1.00	0.00	O
ATOM	19	H2	A A	1	23.550	44.102	107.711	1.00	0.00	H
ATOM	20	H8	A A	1	21.988	40.589	112.843	1.00	0.00	H



ATOM	21	H1'	A A	1	20.208	43.194	110.577	1.00	0.00	H
ATOM	22	H3'	A A	1	18.118	41.940	113.664	1.00	0.00	H
ATOM	23	H4'	A A	1	19.174	44.358	113.874	1.00	0.00	H
ATOM	24	H61	A A	1	26.726	41.135	108.868	1.00	0.00	H
ATOM	25	H62	A A	1	26.099	40.274	110.299	1.00	0.00	H
ATOM	26	H5T	A A	1	20.568	40.886	115.365	1.00	0.00	H
ATOM	27	H2'1	A A	1	19.872	40.835	112.453	1.00	0.00	H
ATOM	28	H2'2	A A	1	18.834	41.340	111.127	1.00	0.00	H
ATOM	29	H5'1	A A	1	21.356	43.381	114.884	1.00	0.00	H
ATOM	30	H5'2	A A	1	19.791	43.057	115.657	1.00	0.00	H
ATOM	31	C1'	G A	2	19.262	43.024	106.700	1.00	0.00	C
ATOM	32	N1	G A	2	23.729	40.682	105.937	1.00	0.00	N
ATOM	33	C2	G A	2	23.155	41.739	105.257	1.00	0.00	C
ATOM	34	N2	G A	2	23.862	42.238	104.237	1.00	0.00	N
ATOM	35	N3	G A	2	21.968	42.258	105.569	1.00	0.00	N
ATOM	36	C4	G A	2	21.390	41.626	106.624	1.00	0.00	C
ATOM	37	C5	G A	2	21.887	40.563	107.361	1.00	0.00	C
ATOM	38	C6	G A	2	23.148	40.016	107.031	1.00	0.00	C
ATOM	39	O6	G A	2	23.752	39.084	107.562	1.00	0.00	O
ATOM	40	N7	G A	2	20.982	40.206	108.364	1.00	0.00	N
ATOM	41	C8	G A	2	19.991	41.047	108.209	1.00	0.00	C
ATOM	42	N9	G A	2	20.165	41.940	107.171	1.00	0.00	N
ATOM	43	C2'	G A	2	17.785	42.663	106.761	1.00	0.00	C
ATOM	44	C3'	G A	2	17.147	43.989	107.138	1.00	0.00	C
ATOM	45	O3'	G A	2	16.941	44.763	105.958	1.00	0.00	O
ATOM	46	C4'	G A	2	18.190	44.615	108.064	1.00	0.00	C
ATOM	47	O4'	G A	2	19.469	44.150	107.531	1.00	0.00	O
ATOM	48	C5'	G A	2	18.105	44.236	109.523	1.00	0.00	C
ATOM	49	O5'	G A	2	17.706	42.848	109.646	1.00	0.00	O
ATOM	50	O1P	G A	2	15.438	42.989	110.727	1.00	0.00	O
ATOM	51	O2P	G A	2	16.860	40.950	111.058	1.00	0.00	O
ATOM	52	P	G A	2	16.791	42.420	110.880	1.00	0.00	P
ATOM	53	H1	G A	2	24.652	40.358	105.617	1.00	0.00	H
ATOM	54	H8	G A	2	19.105	41.041	108.842	1.00	0.00	H
ATOM	55	H1'	G A	2	19.556	43.297	105.686	1.00	0.00	H
ATOM	56	H21	G A	2	24.780	41.833	104.001	1.00	0.00	H
ATOM	57	H3'	G A	2	16.195	43.855	107.652	1.00	0.00	H
ATOM	58	H22	G A	2	23.489	43.026	103.689	1.00	0.00	H
ATOM	59	H4'	G A	2	18.066	45.697	107.992	1.00	0.00	H
ATOM	60	H2'1	G A	2	17.577	41.896	107.508	1.00	0.00	H
ATOM	61	H2'2	G A	2	17.408	42.298	105.804	1.00	0.00	H
ATOM	62	H5'1	G A	2	19.079	44.383	109.988	1.00	0.00	H
ATOM	63	H5'2	G A	2	17.373	44.877	110.017	1.00	0.00	H
ATOM	64	C1'	G A	3	19.983	42.333	101.850	1.00	0.00	C
ATOM	65	N1	G A	3	22.959	38.498	103.414	1.00	0.00	N
ATOM	66	C2	G A	3	23.170	39.434	102.420	1.00	0.00	C
ATOM	67	N2	G A	3	24.326	39.336	101.751	1.00	0.00	N
ATOM	68	N3	G A	3	22.298	40.393	102.116	1.00	0.00	N
ATOM	69	C4	G A	3	21.181	40.339	102.888	1.00	0.00	C
ATOM	70	C5	G A	3	20.884	39.441	103.900	1.00	0.00	C
ATOM	71	C6	G A	3	21.813	38.425	104.226	1.00	0.00	C
ATOM	72	O6	G A	3	21.731	37.544	105.082	1.00	0.00	O
ATOM	73	N7	G A	3	19.632	39.727	104.448	1.00	0.00	N
ATOM	74	C8	G A	3	19.221	40.767	103.770	1.00	0.00	C

ATOM	75	N9	G A	3	20.107	41.198	102.804	1.00	0.00	N
ATOM	76	C2'	G A	3	18.574	42.531	101.310	1.00	0.00	C
ATOM	77	C3'	G A	3	18.486	44.043	101.196	1.00	0.00	C
ATOM	78	O3'	G A	3	19.052	44.453	99.954	1.00	0.00	O
ATOM	79	C4'	G A	3	19.309	44.523	102.390	1.00	0.00	C
ATOM	80	O4'	G A	3	20.358	43.513	102.533	1.00	0.00	O
ATOM	81	C5'	G A	3	18.575	44.646	103.705	1.00	0.00	C
ATOM	82	O5'	G A	3	17.601	43.580	103.824	1.00	0.00	O
ATOM	83	O1P	G A	3	15.397	44.798	103.785	1.00	0.00	O
ATOM	84	O2P	G A	3	15.591	42.593	104.964	1.00	0.00	O
ATOM	85	P	G A	3	16.228	43.876	104.582	1.00	0.00	P
ATOM	86	H1	G A	3	23.702	37.798	103.573	1.00	0.00	H
ATOM	87	H8	G A	3	18.262	41.252	103.952	1.00	0.00	H
ATOM	88	H1'	G A	3	20.694	42.174	101.038	1.00	0.00	H
ATOM	89	H21	G A	3	24.998	38.592	101.993	1.00	0.00	H
ATOM	90	H3'	G A	3	17.457	44.400	101.259	1.00	0.00	H
ATOM	91	H22	G A	3	24.542	40.002	100.997	1.00	0.00	H
ATOM	92	H4'	G A	3	19.698	45.507	102.133	1.00	0.00	H
ATOM	93	H2'1	G A	3	17.813	42.139	101.986	1.00	0.00	H
ATOM	94	H2'2	G A	3	18.429	42.050	100.342	1.00	0.00	H
ATOM	95	H5'1	G A	3	19.292	44.583	104.522	1.00	0.00	H
ATOM	96	H5'2	G A	3	18.072	45.612	103.744	1.00	0.00	H
ATOM	97	C1'	C A	4	21.948	40.031	97.929	1.00	0.00	C
ATOM	98	N1	C A	4	21.238	39.255	98.984	1.00	0.00	N
ATOM	99	C2	C A	4	21.896	38.159	99.541	1.00	0.00	C
ATOM	100	O2	C A	4	23.031	37.877	99.140	1.00	0.00	O
ATOM	101	N3	C A	4	21.266	37.441	100.502	1.00	0.00	N
ATOM	102	C4	C A	4	20.035	37.771	100.913	1.00	0.00	C
ATOM	103	N4	C A	4	19.469	37.036	101.859	1.00	0.00	N
ATOM	104	C5	C A	4	19.336	38.891	100.357	1.00	0.00	C
ATOM	105	C6	C A	4	19.989	39.602	99.392	1.00	0.00	C
ATOM	106	C2'	C A	4	21.039	40.522	96.811	1.00	0.00	C
ATOM	107	C3'	C A	4	21.652	41.872	96.473	1.00	0.00	C
ATOM	108	O3'	C A	4	22.727	41.680	95.555	1.00	0.00	O
ATOM	109	C4'	C A	4	22.135	42.376	97.831	1.00	0.00	C
ATOM	110	O4'	C A	4	22.532	41.163	98.547	1.00	0.00	O
ATOM	111	C5'	C A	4	21.123	43.121	98.668	1.00	0.00	C
ATOM	112	O5'	C A	4	19.810	42.530	98.492	1.00	0.00	O
ATOM	113	O1P	C A	4	18.502	44.347	97.343	1.00	0.00	O
ATOM	114	O2P	C A	4	17.315	42.658	98.769	1.00	0.00	O
ATOM	115	P	C A	4	18.529	43.479	98.536	1.00	0.00	P
ATOM	116	H5	C A	4	18.333	39.160	100.685	1.00	0.00	H
ATOM	117	H6	C A	4	19.500	40.465	98.942	1.00	0.00	H
ATOM	118	H1'	C A	4	22.752	39.412	97.535	1.00	0.00	H
ATOM	119	H3'	C A	4	20.923	42.553	96.036	1.00	0.00	H
ATOM	120	H4'	C A	4	22.970	43.050	97.640	1.00	0.00	H
ATOM	121	H41	C A	4	18.522	37.269	102.195	1.00	0.00	H
ATOM	122	H42	C A	4	19.972	36.229	102.258	1.00	0.00	H
ATOM	123	H2'1	C A	4	20.004	40.627	97.135	1.00	0.00	H
ATOM	124	H2'2	C A	4	21.046	39.854	95.948	1.00	0.00	H
ATOM	125	H5'1	C A	4	21.413	43.064	99.718	1.00	0.00	H
ATOM	126	H5'2	C A	4	21.101	44.165	98.358	1.00	0.00	H
ATOM	127	C1'	C A	5	23.935	36.145	95.588	1.00	0.00	C
ATOM	128	N1	C A	5	22.646	36.007	96.322	1.00	0.00	N

ATOM	129	C2	C A	5	22.531	34.972	97.247	1.00	0.00	C
ATOM	130	O2	C A	5	23.494	34.214	97.421	1.00	0.00	O
ATOM	131	N3	C A	5	21.365	34.830	97.926	1.00	0.00	N
ATOM	132	C4	C A	5	20.340	35.664	97.716	1.00	0.00	C
ATOM	133	N4	C A	5	19.227	35.482	98.409	1.00	0.00	N
ATOM	134	C5	C A	5	20.432	36.737	96.770	1.00	0.00	C
ATOM	135	C6	C A	5	21.614	36.862	96.100	1.00	0.00	C
ATOM	136	C2'	C A	5	23.770	36.561	94.133	1.00	0.00	C
ATOM	137	C3'	C A	5	24.981	37.456	93.921	1.00	0.00	C
ATOM	138	O3'	C A	5	26.109	36.647	93.595	1.00	0.00	O
ATOM	139	C4'	C A	5	25.137	38.144	95.275	1.00	0.00	C
ATOM	140	O4'	C A	5	24.699	37.139	96.244	1.00	0.00	O
ATOM	141	C5'	C A	5	24.327	39.402	95.484	1.00	0.00	C
ATOM	142	O5'	C A	5	23.037	39.269	94.836	1.00	0.00	O
ATOM	143	O1P	C A	5	23.125	40.994	93.006	1.00	0.00	O
ATOM	144	O2P	C A	5	20.917	40.314	93.983	1.00	0.00	O
ATOM	145	P	C A	5	22.364	40.565	94.195	1.00	0.00	P
ATOM	146	H5	C A	5	19.598	37.416	96.591	1.00	0.00	H
ATOM	147	H6	C A	5	21.732	37.665	95.373	1.00	0.00	H
ATOM	148	H1'	C A	5	24.474	35.201	95.667	1.00	0.00	H
ATOM	149	H3'	C A	5	24.817	38.182	93.125	1.00	0.00	H
ATOM	150	H4'	C A	5	26.190	38.406	95.378	1.00	0.00	H
ATOM	151	H41	C A	5	18.423	36.110	98.268	1.00	0.00	H
ATOM	152	H42	C A	5	19.164	34.709	99.088	1.00	0.00	H
ATOM	153	H2'1	C A	5	22.842	37.103	93.960	1.00	0.00	H
ATOM	154	H2'2	C A	5	23.784	35.706	93.455	1.00	0.00	H
ATOM	155	H5'1	C A	5	24.187	39.564	96.554	1.00	0.00	H
ATOM	156	H5'2	C A	5	24.867	40.249	95.062	1.00	0.00	H
ATOM	157	C1'	G A	6	24.714	31.306	94.875	1.00	0.00	C
ATOM	158	N1	G A	6	20.214	30.811	97.228	1.00	0.00	N
ATOM	159	C2	G A	6	21.380	30.080	97.377	1.00	0.00	C
ATOM	160	N2	G A	6	21.342	29.085	98.270	1.00	0.00	N
ATOM	161	N3	G A	6	22.495	30.326	96.690	1.00	0.00	N
ATOM	162	C4	G A	6	22.351	31.363	95.825	1.00	0.00	C
ATOM	163	C5	G A	6	21.229	32.144	95.606	1.00	0.00	C
ATOM	164	C6	G A	6	20.047	31.888	96.337	1.00	0.00	C
ATOM	165	O6	G A	6	18.961	32.465	96.284	1.00	0.00	O
ATOM	166	N7	G A	6	21.494	33.108	94.631	1.00	0.00	N
ATOM	167	C8	G A	6	22.741	32.888	94.301	1.00	0.00	C
ATOM	168	N9	G A	6	23.331	31.843	94.982	1.00	0.00	N
ATOM	169	C2'	G A	6	25.260	31.302	93.453	1.00	0.00	C
ATOM	170	C3'	G A	6	26.730	31.620	93.677	1.00	0.00	C
ATOM	171	O3'	G A	6	27.430	30.416	93.983	1.00	0.00	O
ATOM	172	C4'	G A	6	26.692	32.583	94.863	1.00	0.00	C
ATOM	173	O4'	G A	6	25.557	32.124	95.664	1.00	0.00	O
ATOM	174	C5'	G A	6	26.493	34.043	94.535	1.00	0.00	C
ATOM	175	O5'	G A	6	25.587	34.177	93.413	1.00	0.00	O
ATOM	176	O1P	G A	6	27.042	35.141	91.600	1.00	0.00	O
ATOM	177	O2P	G A	6	24.572	35.583	91.594	1.00	0.00	O
ATOM	178	P	G A	6	25.812	35.373	92.381	1.00	0.00	P
ATOM	179	H1	G A	6	19.408	30.545	97.813	1.00	0.00	H
ATOM	180	H8	G A	6	23.270	33.478	93.552	1.00	0.00	H
ATOM	181	H1'	G A	6	24.725	30.302	95.300	1.00	0.00	H
ATOM	182	H21	G A	6	20.478	28.904	98.801	1.00	0.00	H

ATOM	183	H3'	G A	6	27.184	32.090	92.804	1.00	0.00	H
ATOM	184	H22	G A	6	22.176	28.502	98.428	1.00	0.00	H
ATOM	185	H4'	G A	6	27.646	32.484	95.381	1.00	0.00	H
ATOM	186	H2'1	G A	6	24.783	32.054	92.825	1.00	0.00	H
ATOM	187	H2'2	G A	6	25.133	30.337	92.963	1.00	0.00	H
ATOM	188	H5'1	G A	6	26.080	34.554	95.405	1.00	0.00	H
ATOM	189	H5'2	G A	6	27.456	34.489	94.286	1.00	0.00	H
ATOM	190	C1'	C A	7	23.521	26.512	95.211	1.00	0.00	C
ATOM	191	N1	C A	7	22.556	27.492	94.640	1.00	0.00	N
ATOM	192	C2	C A	7	21.263	27.511	95.158	1.00	0.00	C
ATOM	193	O2	C A	7	20.970	26.719	96.063	1.00	0.00	O
ATOM	194	N3	C A	7	20.369	28.397	94.653	1.00	0.00	N
ATOM	195	C4	C A	7	20.716	29.242	93.673	1.00	0.00	C
ATOM	196	N4	C A	7	19.804	30.088	93.220	1.00	0.00	N
ATOM	197	C5	C A	7	22.038	29.241	93.118	1.00	0.00	C
ATOM	198	C6	C A	7	22.923	28.344	93.646	1.00	0.00	C
ATOM	199	C2'	C A	7	24.457	25.901	94.177	1.00	0.00	C
ATOM	200	C3'	C A	7	25.749	25.754	94.968	1.00	0.00	C
ATOM	201	O3'	C A	7	25.712	24.532	95.703	1.00	0.00	O
ATOM	202	C4'	C A	7	25.728	26.978	95.882	1.00	0.00	C
ATOM	203	O4'	C A	7	24.309	27.191	96.169	1.00	0.00	O
ATOM	204	C5'	C A	7	26.302	28.253	95.307	1.00	0.00	C
ATOM	205	O5'	C A	7	25.981	28.343	93.896	1.00	0.00	O
ATOM	206	O1P	C A	7	28.228	28.173	92.774	1.00	0.00	O
ATOM	207	O2P	C A	7	26.351	29.402	91.649	1.00	0.00	O
ATOM	208	P	C A	7	27.031	29.029	92.912	1.00	0.00	P
ATOM	209	H5	C A	7	22.324	29.923	92.316	1.00	0.00	H
ATOM	210	H6	C A	7	23.943	28.311	93.262	1.00	0.00	H
ATOM	211	H1'	C A	7	22.954	25.739	95.731	1.00	0.00	H
ATOM	212	H3'	C A	7	26.625	25.760	94.320	1.00	0.00	H
ATOM	213	H4'	C A	7	26.309	26.721	96.767	1.00	0.00	H
ATOM	214	H41	C A	7	20.044	30.750	92.467	1.00	0.00	H
ATOM	215	H42	C A	7	18.853	30.086	93.616	1.00	0.00	H
ATOM	216	H2'1	C A	7	24.594	26.545	93.311	1.00	0.00	H
ATOM	217	H2'2	C A	7	24.101	24.935	93.816	1.00	0.00	H
ATOM	218	H5'1	C A	7	25.878	29.107	95.838	1.00	0.00	H
ATOM	219	H5'2	C A	7	27.384	28.249	95.438	1.00	0.00	H
ATOM	220	C1'	A A	8	20.358	22.726	95.626	1.00	0.00	C
ATOM	221	N1	A A	8	17.035	26.017	93.513	1.00	0.00	N
ATOM	222	C2	A A	8	16.926	25.150	94.515	1.00	0.00	C
ATOM	223	N3	A A	8	17.827	24.330	95.014	1.00	0.00	N
ATOM	224	C4	A A	8	18.989	24.455	94.346	1.00	0.00	C
ATOM	225	C5	A A	8	19.262	25.293	93.301	1.00	0.00	C
ATOM	226	C6	A A	8	18.207	26.121	92.868	1.00	0.00	C
ATOM	227	N6	A A	8	18.328	26.994	91.853	1.00	0.00	N
ATOM	228	N7	A A	8	20.570	25.145	92.871	1.00	0.00	N
ATOM	229	C8	A A	8	21.054	24.226	93.655	1.00	0.00	C
ATOM	230	N9	A A	8	20.152	23.763	94.578	1.00	0.00	N
ATOM	231	C2'	A A	8	21.240	21.568	95.179	1.00	0.00	C
ATOM	232	C3'	A A	8	21.995	21.234	96.456	1.00	0.00	C
ATOM	233	O3'	A A	8	21.200	20.362	97.254	1.00	0.00	O
ATOM	234	C4'	A A	8	22.183	22.603	97.108	1.00	0.00	C
ATOM	235	O4'	A A	8	20.981	23.350	96.732	1.00	0.00	O
ATOM	236	C5'	A A	8	23.398	23.390	96.676	1.00	0.00	C

ATOM	237	O5'	A	A	8	23.645	23.175	95.263	1.00	0.00	O
ATOM	238	O1P	A	A	8	25.845	21.951	95.239	1.00	0.00	O
ATOM	239	O2P	A	A	8	25.168	23.356	93.273	1.00	0.00	O
ATOM	240	P	A	A	8	25.152	23.156	94.743	1.00	0.00	P
ATOM	241	H2	A	A	8	15.949	25.112	94.993	1.00	0.00	H
ATOM	242	H8	A	A	8	22.078	23.861	93.587	1.00	0.00	H
ATOM	243	H1'	A	A	8	19.380	22.369	95.949	1.00	0.00	H
ATOM	244	H3'	A	A	8	22.956	20.761	96.251	1.00	0.00	H
ATOM	245	H4'	A	A	8	22.260	22.433	98.181	1.00	0.00	H
ATOM	246	H61	A	A	8	17.526	27.578	91.578	1.00	0.00	H
ATOM	247	H62	A	A	8	19.224	27.077	91.352	1.00	0.00	H
ATOM	248	H2'1	A	A	8	21.922	21.853	94.379	1.00	0.00	H
ATOM	249	H2'2	A	A	8	20.657	20.717	94.828	1.00	0.00	H
ATOM	250	H5'1	A	A	8	23.219	24.450	96.860	1.00	0.00	H
ATOM	251	H5'2	A	A	8	24.261	23.066	97.255	1.00	0.00	H
ATOM	252	C1'	C	A	9	15.912	20.578	95.102	1.00	0.00	C
ATOM	253	N1	C	A	9	16.564	21.251	93.945	1.00	0.00	N
ATOM	254	C2	C	A	9	15.822	22.190	93.231	1.00	0.00	C
ATOM	255	O2	C	A	9	14.659	22.424	93.586	1.00	0.00	O
ATOM	256	N3	C	A	9	16.398	22.813	92.176	1.00	0.00	N
ATOM	257	C4	C	A	9	17.658	22.537	91.816	1.00	0.00	C
ATOM	258	N4	C	A	9	18.173	23.179	90.777	1.00	0.00	N
ATOM	259	C5	C	A	9	18.445	21.572	92.528	1.00	0.00	C
ATOM	260	C6	C	A	9	17.846	20.959	93.592	1.00	0.00	C
ATOM	261	C2'	C	A	9	16.281	19.109	95.245	1.00	0.00	C
ATOM	262	C3'	C	A	9	16.317	18.937	96.757	1.00	0.00	C
ATOM	263	O3'	C	A	9	14.997	18.683	97.231	1.00	0.00	O
ATOM	264	C4'	C	A	9	16.855	20.283	97.239	1.00	0.00	C
ATOM	265	O4'	C	A	9	16.322	21.250	96.277	1.00	0.00	O
ATOM	266	C5'	C	A	9	18.357	20.427	97.286	1.00	0.00	C
ATOM	267	O5'	C	A	9	18.954	19.719	96.169	1.00	0.00	O
ATOM	268	O1P	C	A	9	20.239	17.860	97.278	1.00	0.00	O
ATOM	269	O2P	C	A	9	20.981	18.743	95.049	1.00	0.00	O
ATOM	270	P	C	A	9	20.372	19.019	96.374	1.00	0.00	P
ATOM	271	H5	C	A	9	19.469	21.340	92.236	1.00	0.00	H
ATOM	272	H6	C	A	9	18.405	20.224	94.170	1.00	0.00	H
ATOM	273	H1'	C	A	9	14.833	20.702	95.003	1.00	0.00	H
ATOM	274	H3'	C	A	9	16.973	18.120	97.058	1.00	0.00	H
ATOM	275	H4'	C	A	9	16.474	20.432	98.248	1.00	0.00	H
ATOM	276	H41	C	A	9	19.141	22.987	90.481	1.00	0.00	H
ATOM	277	H42	C	A	9	17.605	23.870	90.266	1.00	0.00	H
ATOM	278	H2'1	C	A	9	17.247	18.878	94.798	1.00	0.00	H
ATOM	279	H2'2	C	A	9	15.543	18.450	94.788	1.00	0.00	H
ATOM	280	H5'1	C	A	9	18.619	21.485	97.232	1.00	0.00	H
ATOM	281	H5'2	C	A	9	18.727	20.015	98.224	1.00	0.00	H
ATOM	282	C1'	C	A	10	11.464	20.001	93.002	1.00	0.00	C
ATOM	283	N1	C	A	10	12.695	20.035	92.166	1.00	0.00	N
ATOM	284	C2	C	A	10	12.725	20.914	91.085	1.00	0.00	C
ATOM	285	O2	C	A	10	11.735	21.626	90.864	1.00	0.00	O
ATOM	286	N3	C	A	10	13.837	20.962	90.311	1.00	0.00	N
ATOM	287	C4	C	A	10	14.892	20.179	90.573	1.00	0.00	C
ATOM	288	N4	C	A	10	15.955	20.269	89.786	1.00	0.00	N
ATOM	289	C5	C	A	10	14.888	19.263	91.676	1.00	0.00	C
ATOM	290	C6	C	A	10	13.759	19.236	92.444	1.00	0.00	C

ATOM	291	C2'	C A	10	11.089	18.606	93.483	1.00	0.00	C
ATOM	292	C3'	C A	10	10.527	18.890	94.868	1.00	0.00	C
ATOM	293	O3'	C A	10	9.153	19.253	94.751	1.00	0.00	O
ATOM	294	C4'	C A	10	11.392	20.050	95.354	1.00	0.00	C
ATOM	295	O4'	C A	10	11.694	20.810	94.140	1.00	0.00	O
ATOM	296	C5'	C A	10	12.692	19.682	96.029	1.00	0.00	C
ATOM	297	O5'	C A	10	13.266	18.516	95.386	1.00	0.00	O
ATOM	298	O1P	C A	10	13.155	16.750	97.175	1.00	0.00	O
ATOM	299	O2P	C A	10	14.919	16.624	95.395	1.00	0.00	O
ATOM	300	P	C A	10	14.076	17.471	96.275	1.00	0.00	P
ATOM	301	H5	C A	10	15.742	18.620	91.890	1.00	0.00	H
ATOM	302	H6	C A	10	13.711	18.561	93.299	1.00	0.00	H
ATOM	303	H1'	C A	10	10.651	20.449	92.431	1.00	0.00	H
ATOM	304	H3'	C A	10	10.616	18.027	95.529	1.00	0.00	H
ATOM	305	H4'	C A	10	10.793	20.613	96.071	1.00	0.00	H
ATOM	306	H41	C A	10	16.781	19.680	89.968	1.00	0.00	H
ATOM	307	H42	C A	10	15.954	20.926	88.993	1.00	0.00	H
ATOM	308	H2'1	C A	10	11.948	17.939	93.533	1.00	0.00	H
ATOM	309	H2'2	C A	10	10.344	18.134	92.841	1.00	0.00	H
ATOM	310	H5'1	C A	10	13.385	20.522	95.956	1.00	0.00	H
ATOM	311	H5'2	C A	10	12.501	19.467	97.080	1.00	0.00	H
ATOM	312	C1'	T A	11	8.207	20.369	89.292	1.00	0.00	C
ATOM	313	N1	T A	11	9.536	19.747	89.058	1.00	0.00	N
ATOM	314	C2	T A	11	10.275	20.220	87.992	1.00	0.00	C
ATOM	315	O2	T A	11	9.878	21.109	87.257	1.00	0.00	O
ATOM	316	N3	T A	11	11.505	19.615	87.810	1.00	0.00	N
ATOM	317	C4	T A	11	12.043	18.603	88.579	1.00	0.00	C
ATOM	318	O4	T A	11	13.159	18.136	88.318	1.00	0.00	O
ATOM	319	C5	T A	11	11.200	18.175	89.670	1.00	0.00	C
ATOM	320	C6	T A	11	9.995	18.744	89.876	1.00	0.00	C
ATOM	321	C7	T A	11	11.747	17.078	90.534	1.00	0.00	C
ATOM	322	C2'	T A	11	7.139	19.384	89.751	1.00	0.00	C
ATOM	323	C3'	T A	11	6.323	20.226	90.717	1.00	0.00	C
ATOM	324	O3'	T A	11	5.357	20.978	89.985	1.00	0.00	O
ATOM	325	C4'	T A	11	7.378	21.118	91.366	1.00	0.00	C
ATOM	326	O4'	T A	11	8.359	21.347	90.304	1.00	0.00	O
ATOM	327	C5'	T A	11	8.093	20.549	92.569	1.00	0.00	C
ATOM	328	O5'	T A	11	8.299	19.125	92.388	1.00	0.00	O
ATOM	329	O1P	T A	11	6.861	18.096	94.178	1.00	0.00	O
ATOM	330	O2P	T A	11	8.887	16.876	93.343	1.00	0.00	O
ATOM	331	P	T A	11	8.242	18.172	93.665	1.00	0.00	P
ATOM	332	H3	T A	11	12.077	19.953	87.025	1.00	0.00	H
ATOM	333	H6	T A	11	9.375	18.404	90.707	1.00	0.00	H
ATOM	334	H1'	T A	11	7.901	20.878	88.378	1.00	0.00	H
ATOM	335	H3'	T A	11	5.814	19.615	91.461	1.00	0.00	H
ATOM	336	H4'	T A	11	6.871	22.031	91.681	1.00	0.00	H
ATOM	337	H71	T A	11	11.132	16.186	90.422	1.00	0.00	H
ATOM	338	H72	T A	11	12.770	16.854	90.231	1.00	0.00	H
ATOM	339	H73	T A	11	11.739	17.396	91.576	1.00	0.00	H
ATOM	340	H2'1	T A	11	7.566	18.514	90.246	1.00	0.00	H
ATOM	341	H2'2	T A	11	6.527	19.022	88.923	1.00	0.00	H
ATOM	342	H5'1	T A	11	9.054	21.048	92.686	1.00	0.00	H
ATOM	343	H5'2	T A	11	7.488	20.722	93.459	1.00	0.00	H
ATOM	344	C1'	A A	12	6.934	20.713	84.508	1.00	0.00	C

ATOM	345	N1	A	A	12	11.434	18.374	83.719	1.00	0.00	N
ATOM	346	C2	A	A	12	10.827	19.385	83.107	1.00	0.00	C
ATOM	347	N3	A	A	12	9.663	19.944	83.365	1.00	0.00	N
ATOM	348	C4	A	A	12	9.075	19.333	84.408	1.00	0.00	C
ATOM	349	C5	A	A	12	9.560	18.286	85.140	1.00	0.00	C
ATOM	350	C6	A	A	12	10.823	17.784	84.758	1.00	0.00	C
ATOM	351	N6	A	A	12	11.425	16.759	85.386	1.00	0.00	N
ATOM	352	N7	A	A	12	8.676	17.924	86.141	1.00	0.00	N
ATOM	353	C8	A	A	12	7.682	18.747	85.993	1.00	0.00	C
ATOM	354	N9	A	A	12	7.854	19.634	84.960	1.00	0.00	N
ATOM	355	C2'	A	A	12	5.461	20.332	84.585	1.00	0.00	C
ATOM	356	C3'	A	A	12	4.813	21.651	84.978	1.00	0.00	C
ATOM	357	O3'	A	A	12	4.585	22.427	83.804	1.00	0.00	O
ATOM	358	C4'	A	A	12	5.859	22.283	85.894	1.00	0.00	C
ATOM	359	O4'	A	A	12	7.139	21.835	85.344	1.00	0.00	O
ATOM	360	C5'	A	A	12	5.796	21.896	87.352	1.00	0.00	C
ATOM	361	O5'	A	A	12	5.415	20.501	87.473	1.00	0.00	O
ATOM	362	O1P	A	A	12	3.157	20.609	88.580	1.00	0.00	O
ATOM	363	O2P	A	A	12	4.608	18.584	88.882	1.00	0.00	O
ATOM	364	P	A	A	12	4.519	20.056	88.714	1.00	0.00	P
ATOM	365	H2	A	A	12	11.374	19.817	82.269	1.00	0.00	H
ATOM	366	H8	A	A	12	6.794	18.737	86.627	1.00	0.00	H
ATOM	367	H1'	A	A	12	7.212	20.994	83.493	1.00	0.00	H
ATOM	368	H3'	A	A	12	3.870	21.502	85.502	1.00	0.00	H
ATOM	369	H4'	A	A	12	5.723	23.363	85.831	1.00	0.00	H
ATOM	370	H61	A	A	12	12.348	16.433	85.069	1.00	0.00	H
ATOM	371	H62	A	A	12	10.961	16.300	86.183	1.00	0.00	H
ATOM	372	H2'1	A	A	12	5.271	19.560	85.329	1.00	0.00	H
ATOM	373	H2'2	A	A	12	5.078	19.970	83.630	1.00	0.00	H
ATOM	374	H5'1	A	A	12	6.775	22.050	87.805	1.00	0.00	H
ATOM	375	H5'2	A	A	12	5.064	22.522	87.858	1.00	0.00	H
ATOM	376	C1'	G	A	13	7.677	20.014	79.649	1.00	0.00	C
ATOM	377	N1	G	A	13	10.654	16.179	81.215	1.00	0.00	N
ATOM	378	C2	G	A	13	10.865	17.116	80.219	1.00	0.00	C
ATOM	379	N2	G	A	13	12.020	17.017	79.548	1.00	0.00	N
ATOM	380	N3	G	A	13	9.991	18.074	79.916	1.00	0.00	N
ATOM	381	C4	G	A	13	8.875	18.021	80.688	1.00	0.00	C
ATOM	382	C5	G	A	13	8.578	17.122	81.700	1.00	0.00	C
ATOM	383	C6	G	A	13	9.506	16.105	82.025	1.00	0.00	C
ATOM	384	O6	G	A	13	9.423	15.224	82.881	1.00	0.00	O
ATOM	385	N7	G	A	13	7.326	17.408	82.247	1.00	0.00	N
ATOM	386	C8	G	A	13	6.915	18.448	81.570	1.00	0.00	C
ATOM	387	N9	G	A	13	7.800	18.878	80.604	1.00	0.00	N
ATOM	388	C2'	G	A	13	6.267	20.212	79.109	1.00	0.00	C
ATOM	389	C3'	G	A	13	6.179	21.724	78.995	1.00	0.00	C
ATOM	390	O3'	G	A	13	6.746	22.134	77.752	1.00	0.00	O
ATOM	391	C4'	G	A	13	7.003	22.204	80.190	1.00	0.00	C
ATOM	392	O4'	G	A	13	8.052	21.195	80.333	1.00	0.00	O
ATOM	393	C5'	G	A	13	6.269	22.327	81.504	1.00	0.00	C
ATOM	394	O5'	G	A	13	5.294	21.262	81.624	1.00	0.00	O
ATOM	395	O1P	G	A	13	3.091	22.478	81.584	1.00	0.00	O
ATOM	396	O2P	G	A	13	3.285	20.274	82.764	1.00	0.00	O
ATOM	397	P	G	A	13	3.922	21.558	82.382	1.00	0.00	P
ATOM	398	H1	G	A	13	11.397	15.481	81.375	1.00	0.00	H

ATOM	399	H8	G A	13	5.956	18.933	81.750	1.00	0.00	H
ATOM	400	H1'	G A	13	8.388	19.856	78.837	1.00	0.00	H
ATOM	401	H21	G A	13	12.692	16.273	79.792	1.00	0.00	H
ATOM	402	H3'	G A	13	5.151	22.081	79.058	1.00	0.00	H
ATOM	403	H22	G A	13	12.234	17.682	78.794	1.00	0.00	H
ATOM	404	H4'	G A	13	7.391	23.188	79.931	1.00	0.00	H
ATOM	405	H2'1	G A	13	5.507	19.821	79.786	1.00	0.00	H
ATOM	406	H2'2	G A	13	6.123	19.731	78.141	1.00	0.00	H
ATOM	407	H5'1	G A	13	6.986	22.264	82.322	1.00	0.00	H
ATOM	408	H5'2	G A	13	5.766	23.293	81.544	1.00	0.00	H
ATOM	409	C1'	G A	14	9.641	17.711	75.728	1.00	0.00	C
ATOM	410	N1	G A	14	9.933	13.741	78.919	1.00	0.00	N
ATOM	411	C2	G A	14	10.853	14.211	77.999	1.00	0.00	C
ATOM	412	N2	G A	14	12.003	13.531	77.916	1.00	0.00	N
ATOM	413	N3	G A	14	10.643	15.274	77.224	1.00	0.00	N
ATOM	414	C4	G A	14	9.423	15.833	77.436	1.00	0.00	C
ATOM	415	C5	G A	14	8.442	15.432	78.327	1.00	0.00	C
ATOM	416	C6	G A	14	8.665	14.308	79.153	1.00	0.00	C
ATOM	417	O6	G A	14	7.923	13.803	79.996	1.00	0.00	O
ATOM	418	N7	G A	14	7.333	16.278	78.234	1.00	0.00	N
ATOM	419	C8	G A	14	7.671	17.144	77.314	1.00	0.00	C
ATOM	420	N9	G A	14	8.926	16.940	76.782	1.00	0.00	N
ATOM	421	C2'	G A	14	8.734	18.208	74.611	1.00	0.00	C
ATOM	422	C3'	G A	14	9.355	19.554	74.272	1.00	0.00	C
ATOM	423	O3'	G A	14	10.429	19.358	73.356	1.00	0.00	O
ATOM	424	C4'	G A	14	9.839	20.055	75.632	1.00	0.00	C
ATOM	425	O4'	G A	14	10.230	18.840	76.346	1.00	0.00	O
ATOM	426	C5'	G A	14	8.830	20.805	76.468	1.00	0.00	C
ATOM	427	O5'	G A	14	7.515	20.221	76.292	1.00	0.00	O
ATOM	428	O1P	G A	14	6.217	22.045	75.142	1.00	0.00	O
ATOM	429	O2P	G A	14	5.021	20.362	76.566	1.00	0.00	O
ATOM	430	P	G A	14	6.239	21.177	76.334	1.00	0.00	P
ATOM	431	H1	G A	14	10.196	12.914	79.475	1.00	0.00	H
ATOM	432	H8	G A	14	7.018	17.957	76.997	1.00	0.00	H
ATOM	433	H1'	G A	14	10.443	17.088	75.334	1.00	0.00	H
ATOM	434	H21	G A	14	12.161	12.711	78.521	1.00	0.00	H
ATOM	435	H3'	G A	14	8.628	20.239	73.836	1.00	0.00	H
ATOM	436	H22	G A	14	12.729	13.827	77.249	1.00	0.00	H
ATOM	437	H4'	G A	14	10.677	20.725	75.441	1.00	0.00	H
ATOM	438	H2'1	G A	14	7.700	18.317	74.935	1.00	0.00	H
ATOM	439	H2'2	G A	14	8.739	17.540	73.748	1.00	0.00	H
ATOM	440	H5'1	G A	14	9.121	20.747	77.517	1.00	0.00	H
ATOM	441	H5'2	G A	14	8.814	21.851	76.158	1.00	0.00	H
ATOM	442	C1'	A A	15	11.634	13.843	73.371	1.00	0.00	C
ATOM	443	N1	A A	15	9.075	11.115	76.886	1.00	0.00	N
ATOM	444	C2	A A	15	10.303	11.007	76.382	1.00	0.00	C
ATOM	445	N3	A A	15	10.904	11.749	75.477	1.00	0.00	N
ATOM	446	C4	A A	15	10.078	12.726	75.055	1.00	0.00	C
ATOM	447	C5	A A	15	8.800	12.971	75.467	1.00	0.00	C
ATOM	448	C6	A A	15	8.277	12.100	76.446	1.00	0.00	C
ATOM	449	N6	A A	15	7.035	12.218	76.945	1.00	0.00	N
ATOM	450	N7	A A	15	8.264	14.064	74.810	1.00	0.00	N
ATOM	451	C8	A A	15	9.220	14.453	74.019	1.00	0.00	C
ATOM	452	N9	A A	15	10.355	13.689	74.114	1.00	0.00	N



ATOM	453	C2'	A	A	15	11.453	14.269	71.920	1.00	0.00	C
ATOM	454	C3'	A	A	15	12.656	15.173	71.703	1.00	0.00	C
ATOM	455	O3'	A	A	15	13.785	14.376	71.361	1.00	0.00	O
ATOM	456	C4'	A	A	15	12.820	15.854	73.062	1.00	0.00	C
ATOM	457	O4'	A	A	15	12.397	14.836	74.027	1.00	0.00	O
ATOM	458	C5'	A	A	15	12.004	17.103	73.291	1.00	0.00	C
ATOM	459	O5'	A	A	15	10.709	16.967	72.653	1.00	0.00	O
ATOM	460	O1P	A	A	15	10.767	18.708	70.835	1.00	0.00	O
ATOM	461	O2P	A	A	15	8.572	18.004	71.829	1.00	0.00	O
ATOM	462	P	A	A	15	10.020	18.263	72.029	1.00	0.00	P
ATOM	463	H2	A	A	15	10.897	10.184	76.779	1.00	0.00	H
ATOM	464	H8	A	A	15	9.130	15.303	73.344	1.00	0.00	H
ATOM	465	H1'	A	A	15	12.181	12.902	73.436	1.00	0.00	H
ATOM	466	H3'	A	A	15	12.479	15.907	70.917	1.00	0.00	H
ATOM	467	H4'	A	A	15	13.872	16.120	73.158	1.00	0.00	H
ATOM	468	H61	A	A	15	6.705	11.555	77.662	1.00	0.00	H
ATOM	469	H62	A	A	15	6.416	12.970	76.612	1.00	0.00	H
ATOM	470	H2'1	A	A	15	10.518	14.806	71.762	1.00	0.00	H
ATOM	471	H2'2	A	A	15	11.466	13.422	71.235	1.00	0.00	H
ATOM	472	H5'1	A	A	15	11.874	17.255	74.361	1.00	0.00	H
ATOM	473	H5'2	A	A	15	12.532	17.957	72.870	1.00	0.00	H
ATOM	474	C1'	C	A	16	12.408	8.986	72.675	1.00	0.00	C
ATOM	475	N1	C	A	16	11.023	9.520	72.787	1.00	0.00	N
ATOM	476	C2	C	A	16	10.162	8.912	73.697	1.00	0.00	C
ATOM	477	O2	C	A	16	10.580	7.958	74.368	1.00	0.00	O
ATOM	478	N3	C	A	16	8.895	9.381	73.816	1.00	0.00	N
ATOM	479	C4	C	A	16	8.474	10.413	73.074	1.00	0.00	C
ATOM	480	N4	C	A	16	7.227	10.834	73.234	1.00	0.00	N
ATOM	481	C5	C	A	16	9.335	11.057	72.127	1.00	0.00	C
ATOM	482	C6	C	A	16	10.608	10.570	72.027	1.00	0.00	C
ATOM	483	C2'	C	A	16	12.950	8.982	71.251	1.00	0.00	C
ATOM	484	C3'	C	A	16	14.420	9.305	71.470	1.00	0.00	C
ATOM	485	O3'	C	A	16	15.124	8.103	71.774	1.00	0.00	O
ATOM	486	C4'	C	A	16	14.382	10.269	72.654	1.00	0.00	C
ATOM	487	O4'	C	A	16	13.251	9.809	73.460	1.00	0.00	O
ATOM	488	C5'	C	A	16	14.178	11.730	72.325	1.00	0.00	C
ATOM	489	O5'	C	A	16	13.268	11.856	71.204	1.00	0.00	O
ATOM	490	O1P	C	A	16	14.713	12.823	69.383	1.00	0.00	O
ATOM	491	O2P	C	A	16	12.242	13.257	69.386	1.00	0.00	O
ATOM	492	P	C	A	16	13.485	13.052	70.169	1.00	0.00	P
ATOM	493	H5	C	A	16	8.993	11.894	71.516	1.00	0.00	H
ATOM	494	H6	C	A	16	11.304	11.032	71.327	1.00	0.00	H
ATOM	495	H1'	C	A	16	12.424	7.985	73.103	1.00	0.00	H
ATOM	496	H3'	C	A	16	14.867	9.775	70.593	1.00	0.00	H
ATOM	497	H4'	C	A	16	15.339	10.176	73.168	1.00	0.00	H
ATOM	498	H41	C	A	16	6.876	11.629	72.677	1.00	0.00	H
ATOM	499	H42	C	A	16	6.607	10.369	73.912	1.00	0.00	H
ATOM	500	H2'1	C	A	16	12.469	9.730	70.622	1.00	0.00	H
ATOM	501	H2'2	C	A	16	12.823	8.014	70.764	1.00	0.00	H
ATOM	502	H5'1	C	A	16	13.766	12.239	73.196	1.00	0.00	H
ATOM	503	H5'2	C	A	16	15.140	12.177	72.071	1.00	0.00	H
ATOM	504	C1'	G	A	17	11.213	4.193	73.009	1.00	0.00	C
ATOM	505	N1	G	A	17	6.440	5.980	73.221	1.00	0.00	N
ATOM	506	C2	G	A	17	7.046	4.976	73.955	1.00	0.00	C

ATOM	507	N2	G A	17	6.277	4.366	74.866	1.00	0.00	N
ATOM	508	N3	G A	17	8.317	4.611	73.795	1.00	0.00	N
ATOM	509	C4	G A	17	8.941	5.329	72.825	1.00	0.00	C
ATOM	510	C5	G A	17	8.418	6.343	72.040	1.00	0.00	C
ATOM	511	C6	G A	17	7.071	6.735	72.212	1.00	0.00	C
ATOM	512	O6	G A	17	6.431	7.602	71.618	1.00	0.00	O
ATOM	513	N7	G A	17	9.391	6.824	71.160	1.00	0.00	N
ATOM	514	C8	G A	17	10.448	6.105	71.435	1.00	0.00	C
ATOM	515	N9	G A	17	10.254	5.175	72.436	1.00	0.00	N
ATOM	516	C2'	G A	17	12.155	3.581	71.981	1.00	0.00	C
ATOM	517	C3'	G A	17	13.442	3.433	72.775	1.00	0.00	C
ATOM	518	O3'	G A	17	13.401	2.210	73.508	1.00	0.00	O
ATOM	519	C4'	G A	17	13.419	4.656	73.690	1.00	0.00	C
ATOM	520	O4'	G A	17	12.000	4.870	73.971	1.00	0.00	O
ATOM	521	C5'	G A	17	13.997	5.930	73.120	1.00	0.00	C
ATOM	522	O5'	G A	17	13.682	6.023	71.709	1.00	0.00	O
ATOM	523	O1P	G A	17	15.934	5.851	70.597	1.00	0.00	O
ATOM	524	O2P	G A	17	14.065	7.083	69.463	1.00	0.00	O
ATOM	525	P	G A	17	14.739	6.708	70.730	1.00	0.00	P
ATOM	526	H1	G A	17	5.452	6.190	73.427	1.00	0.00	H
ATOM	527	H8	G A	17	11.401	6.230	70.919	1.00	0.00	H
ATOM	528	H1'	G A	17	10.643	3.420	73.525	1.00	0.00	H
ATOM	529	H21	G A	17	5.296	4.656	74.987	1.00	0.00	H
ATOM	530	H3'	G A	17	14.322	3.438	72.132	1.00	0.00	H
ATOM	531	H22	G A	17	6.668	3.608	75.444	1.00	0.00	H
ATOM	532	H4'	G A	17	13.994	4.398	74.578	1.00	0.00	H
ATOM	533	H2'1	G A	17	12.296	4.228	71.115	1.00	0.00	H
ATOM	534	H2'2	G A	17	11.799	2.617	71.616	1.00	0.00	H
ATOM	535	H5'1	G A	17	13.573	6.783	73.650	1.00	0.00	H
ATOM	536	H5'2	G A	17	15.079	5.925	73.258	1.00	0.00	H
ATOM	537	C1'	G A	18	8.032	0.421	73.420	1.00	0.00	C
ATOM	538	N1	G A	18	4.749	3.702	71.303	1.00	0.00	N
ATOM	539	C2	G A	18	4.568	2.818	72.353	1.00	0.00	C
ATOM	540	N2	G A	18	3.350	2.805	72.911	1.00	0.00	N
ATOM	541	N3	G A	18	5.525	2.013	72.808	1.00	0.00	N
ATOM	542	C4	G A	18	6.689	2.152	72.121	1.00	0.00	C
ATOM	543	C5	G A	18	6.960	3.002	71.061	1.00	0.00	C
ATOM	544	C6	G A	18	5.944	3.861	70.579	1.00	0.00	C
ATOM	545	O6	G A	18	5.991	4.676	69.657	1.00	0.00	O
ATOM	546	N7	G A	18	8.278	2.839	70.636	1.00	0.00	N
ATOM	547	C8	G A	18	8.757	1.921	71.434	1.00	0.00	C
ATOM	548	N9	G A	18	7.852	1.453	72.363	1.00	0.00	N
ATOM	549	C2'	G A	18	8.905	-0.750	72.992	1.00	0.00	C
ATOM	550	C3'	G A	18	9.641	-1.085	74.277	1.00	0.00	C
ATOM	551	O3'	G A	18	8.828	-1.943	75.074	1.00	0.00	O
ATOM	552	C4'	G A	18	9.839	0.286	74.924	1.00	0.00	C
ATOM	553	O4'	G A	18	8.650	1.043	74.530	1.00	0.00	O
ATOM	554	C5'	G A	18	11.065	1.057	74.499	1.00	0.00	C
ATOM	555	O5'	G A	18	11.327	0.828	73.092	1.00	0.00	O
ATOM	556	O1P	G A	18	13.512	-0.421	73.100	1.00	0.00	O
ATOM	557	O2P	G A	18	12.874	0.978	71.117	1.00	0.00	O
ATOM	558	P	G A	18	12.840	0.789	72.588	1.00	0.00	P
ATOM	559	H1	G A	18	3.944	4.287	71.031	1.00	0.00	H
ATOM	560	H8	G A	18	9.782	1.554	71.371	1.00	0.00	H

ATOM	561	H1'	G	A	18	7.045	0.079	73.734	1.00	0.00	H
ATOM	562	H21	G	A	18	2.615	3.434	72.554	1.00	0.00	H
ATOM	563	H3'	G	A	18	10.599	-1.570	74.085	1.00	0.00	H
ATOM	564	H22	G	A	18	3.152	2.169	73.694	1.00	0.00	H
ATOM	565	H4'	G	A	18	9.903	0.122	75.999	1.00	0.00	H
ATOM	566	H2'1	G	A	18	9.598	-0.479	72.196	1.00	0.00	H
ATOM	567	H2'2	G	A	18	8.316	-1.598	72.638	1.00	0.00	H
ATOM	568	H5'1	G	A	18	10.899	2.120	74.675	1.00	0.00	H
ATOM	569	H5'2	G	A	18	11.918	0.726	75.090	1.00	0.00	H
ATOM	570	C1'	T	A	19	3.616	-1.757	72.914	1.00	0.00	C
ATOM	571	N1	T	A	19	4.247	-1.074	71.754	1.00	0.00	N
ATOM	572	C2	T	A	19	3.482	-0.152	71.071	1.00	0.00	C
ATOM	573	O2	T	A	19	2.332	0.111	71.383	1.00	0.00	O
ATOM	574	N3	T	A	19	4.108	0.459	70.001	1.00	0.00	N
ATOM	575	C4	T	A	19	5.396	0.232	69.565	1.00	0.00	C
ATOM	576	O4	T	A	19	5.850	0.840	68.588	1.00	0.00	O
ATOM	577	C5	T	A	19	6.120	-0.748	70.340	1.00	0.00	C
ATOM	578	C6	T	A	19	5.541	-1.362	71.391	1.00	0.00	C
ATOM	579	C7	T	A	19	7.527	-1.023	69.904	1.00	0.00	C
ATOM	580	C2'	T	A	19	4.003	-3.224	73.049	1.00	0.00	C
ATOM	581	C3'	T	A	19	4.056	-3.401	74.559	1.00	0.00	C
ATOM	582	O3'	T	A	19	2.743	-3.671	75.046	1.00	0.00	O
ATOM	583	C4'	T	A	19	4.585	-2.052	75.039	1.00	0.00	C
ATOM	584	O4'	T	A	19	4.031	-1.088	74.090	1.00	0.00	O
ATOM	585	C5'	T	A	19	6.087	-1.891	75.072	1.00	0.00	C
ATOM	586	O5'	T	A	19	6.678	-2.588	73.947	1.00	0.00	O
ATOM	587	O1P	T	A	19	7.994	-4.437	75.035	1.00	0.00	O
ATOM	588	O2P	T	A	19	8.702	-3.539	72.803	1.00	0.00	O
ATOM	589	P	T	A	19	8.106	-3.274	74.133	1.00	0.00	P
ATOM	590	H3	T	A	19	3.558	1.155	69.478	1.00	0.00	H
ATOM	591	H6	T	A	19	6.107	-2.099	71.962	1.00	0.00	H
ATOM	592	H1'	T	A	19	2.534	-1.646	72.829	1.00	0.00	H
ATOM	593	H3'	T	A	19	4.723	-4.212	74.850	1.00	0.00	H
ATOM	594	H4'	T	A	19	4.213	-1.910	76.056	1.00	0.00	H
ATOM	595	H71	T	A	19	7.602	-2.050	69.543	1.00	0.00	H
ATOM	596	H72	T	A	19	7.800	-0.338	69.101	1.00	0.00	H
ATOM	597	H73	T	A	19	8.206	-0.885	70.746	1.00	0.00	H
ATOM	598	H2'1	T	A	19	4.966	-3.440	72.590	1.00	0.00	H
ATOM	599	H2'2	T	A	19	3.267	-3.890	72.597	1.00	0.00	H
ATOM	600	H5'1	T	A	19	6.335	-0.831	75.020	1.00	0.00	H
ATOM	601	H5'2	T	A	19	6.471	-2.304	76.004	1.00	0.00	H
ATOM	602	C01	LNK	A	20	0.812	-6.850	75.191	0.00	0.00	C
ATOM	603	O1	LNK	A	20	1.972	-6.099	74.822	1.00	0.00	O
ATOM	604	S	LNK	A	20	-0.631	-10.538	74.789	0.00	0.00	S
ATOM	605	C02	LNK	A	20	0.955	-8.296	74.679	0.00	0.00	C
ATOM	606	C03	LNK	A	20	-0.422	-8.819	74.226	0.00	0.00	C
ATOM	607	O1P	LNK	A	20	2.469	-4.841	72.699	1.00	0.00	O
ATOM	608	O2P	LNK	A	20	0.338	-4.399	73.953	1.00	0.00	O
ATOM	609	P	LNK	A	20	1.781	-4.745	74.002	1.00	0.00	P
ATOM	610	H01	LNK	A	20	-0.073	-6.394	74.749	0.00	0.00	H
ATOM	611	H02	LNK	A	20	0.713	-6.858	76.276	0.00	0.00	H
ATOM	612	H03	LNK	A	20	-0.484	-8.783	73.139	0.00	0.00	H
ATOM	613	H04	LNK	A	20	1.340	-8.928	75.479	0.00	0.00	H
ATOM	614	H05	LNK	A	20	1.646	-8.316	73.837	0.00	0.00	H

ATOM	615	H06	LNK	A	20	-1.206	-8.198	74.657	0.00	0.00	H
ATOM	616	AU	LNK	A	20	-1.196	-10.804	74.505			
TER											
ATOM	618	C1'	A	B	2	-0.717	5.766	66.318	1.00	0.00	C
ATOM	619	N1	A	B	2	2.545	2.449	68.485	1.00	0.00	N
ATOM	620	C2	A	B	2	1.294	2.793	68.769	1.00	0.00	C
ATOM	621	N3	A	B	2	0.505	3.657	68.165	1.00	0.00	N
ATOM	622	C4	A	B	2	1.147	4.227	67.128	1.00	0.00	C
ATOM	623	C5	A	B	2	2.424	3.987	66.707	1.00	0.00	C
ATOM	624	C6	A	B	2	3.160	3.033	67.444	1.00	0.00	C
ATOM	625	N6	A	B	2	4.426	2.693	67.148	1.00	0.00	N
ATOM	626	N7	A	B	2	2.742	4.760	65.604	1.00	0.00	N
ATOM	627	C8	A	B	2	1.661	5.448	65.386	1.00	0.00	C
ATOM	628	N9	A	B	2	0.649	5.175	66.269	1.00	0.00	N
ATOM	629	C2'	A	B	2	-0.756	7.249	65.970	1.00	0.00	C
ATOM	630	C3'	A	B	2	-2.079	7.366	65.230	1.00	0.00	C
ATOM	631	O3'	A	B	2	-3.132	7.527	66.177	1.00	0.00	O
ATOM	632	C4'	A	B	2	-2.170	6.035	64.485	1.00	0.00	C
ATOM	633	O4'	A	B	2	-1.517	5.076	65.378	1.00	0.00	O
ATOM	634	C5'	A	B	2	-1.497	5.974	63.134	1.00	0.00	C
ATOM	635	O5'	A	B	2	-0.275	6.755	63.160	1.00	0.00	O
ATOM	636	H2	A	B	2	0.854	2.286	69.627	1.00	0.00	H
ATOM	637	H8	A	B	2	1.568	6.173	64.577	1.00	0.00	H
ATOM	638	H1'	A	B	2	-1.131	5.587	67.310	1.00	0.00	H
ATOM	639	H3'	A	B	2	-2.086	8.206	64.536	1.00	0.00	H
ATOM	640	H4'	A	B	2	-3.229	5.827	64.338	1.00	0.00	H
ATOM	641	H61	A	B	2	4.916	1.990	67.715	1.00	0.00	H
ATOM	642	H62	A	B	2	4.904	3.139	66.350	1.00	0.00	H
ATOM	643	H2'1	A	B	2	0.080	7.548	65.338	1.00	0.00	H
ATOM	644	H2'2	A	B	2	-0.741	7.883	66.858	1.00	0.00	H
ATOM	645	H5'1	A	B	2	-1.265	4.936	62.897	1.00	0.00	H
ATOM	646	H5'2	A	B	2	-2.173	6.373	62.380	1.00	0.00	H
ATOM	647	C1'	C	B	3	-0.963	6.103	71.266	1.00	0.00	C
ATOM	648	N1	C	B	3	0.348	6.188	70.568	1.00	0.00	N
ATOM	649	C2	C	B	3	1.378	5.360	71.011	1.00	0.00	C
ATOM	650	O2	C	B	3	1.162	4.594	71.960	1.00	0.00	O
ATOM	651	N3	C	B	3	2.580	5.422	70.390	1.00	0.00	N
ATOM	652	C4	C	B	3	2.784	6.262	69.367	1.00	0.00	C
ATOM	653	N4	C	B	3	3.980	6.278	68.792	1.00	0.00	N
ATOM	654	C5	C	B	3	1.746	7.129	68.891	1.00	0.00	C
ATOM	655	C6	C	B	3	0.540	7.046	69.530	1.00	0.00	C
ATOM	656	C2'	C	B	3	-1.660	7.447	71.428	1.00	0.00	C
ATOM	657	C3'	C	B	3	-3.124	7.068	71.264	1.00	0.00	C
ATOM	658	O3'	C	B	3	-3.633	6.617	72.518	1.00	0.00	O
ATOM	659	C4'	C	B	3	-3.071	5.949	70.227	1.00	0.00	C
ATOM	660	O4'	C	B	3	-1.805	5.264	70.497	1.00	0.00	O
ATOM	661	C5'	C	B	3	-3.089	6.376	68.778	1.00	0.00	C
ATOM	662	O5'	C	B	3	-2.335	7.604	68.620	1.00	0.00	O
ATOM	663	O1P	C	B	3	-4.089	9.281	67.952	1.00	0.00	O
ATOM	664	O2P	C	B	3	-1.707	9.603	67.232	1.00	0.00	O
ATOM	665	P	C	B	3	-2.816	8.664	67.531	1.00	0.00	P
ATOM	666	H5	C	B	3	1.909	7.820	68.063	1.00	0.00	H
ATOM	667	H6	C	B	3	-0.283	7.680	69.199	1.00	0.00	H
ATOM	668	H1'	C	B	3	-0.805	5.625	72.233	1.00	0.00	H

ATOM	669	H3'	C B	3	-3.725	7.905	70.910	1.00	0.00	H
ATOM	670	H4'	C B	3	-3.942	5.317	70.397	1.00	0.00	H
ATOM	671	H41	C B	3	4.162	6.913	68.001	1.00	0.00	H
ATOM	672	H42	C B	3	4.726	5.656	69.137	1.00	0.00	H
ATOM	673	H2'1	C B	3	-1.350	8.168	70.672	1.00	0.00	H
ATOM	674	H2'2	C B	3	-1.473	7.894	72.405	1.00	0.00	H
ATOM	675	H5'1	C B	3	-2.644	5.589	68.167	1.00	0.00	H
ATOM	676	H5'2	C B	3	-4.119	6.533	68.464	1.00	0.00	H
ATOM	677	C1'	C B	4	0.841	5.660	75.856	1.00	0.00	C
ATOM	678	N1	C B	4	1.604	6.394	74.810	1.00	0.00	N
ATOM	679	C2	C B	4	2.937	6.042	74.607	1.00	0.00	C
ATOM	680	O2	C B	4	3.429	5.141	75.299	1.00	0.00	O
ATOM	681	N3	C B	4	3.651	6.697	73.660	1.00	0.00	N
ATOM	682	C4	C B	4	3.091	7.670	72.926	1.00	0.00	C
ATOM	683	N4	C B	4	3.832	8.277	72.011	1.00	0.00	N
ATOM	684	C5	C B	4	1.723	8.057	73.117	1.00	0.00	C
ATOM	685	C6	C B	4	1.023	7.378	74.074	1.00	0.00	C
ATOM	686	C2'	C B	4	-0.126	6.538	76.639	1.00	0.00	C
ATOM	687	C3'	C B	4	-1.289	5.588	76.882	1.00	0.00	C
ATOM	688	O3'	C B	4	-1.018	4.801	78.039	1.00	0.00	O
ATOM	689	C4'	C B	4	-1.315	4.749	75.606	1.00	0.00	C
ATOM	690	O4'	C B	4	0.091	4.648	75.211	1.00	0.00	O
ATOM	691	C5'	C B	4	-2.103	5.312	74.446	1.00	0.00	C
ATOM	692	O5'	C B	4	-1.961	6.755	74.412	1.00	0.00	O
ATOM	693	O1P	C B	4	-4.285	7.581	74.916	1.00	0.00	O
ATOM	694	O2P	C B	4	-2.719	8.991	73.554	1.00	0.00	O
ATOM	695	P	C B	4	-3.195	7.635	73.921	1.00	0.00	P
ATOM	696	H5	C B	4	1.266	8.852	72.528	1.00	0.00	H
ATOM	697	H6	C B	4	-0.022	7.632	74.250	1.00	0.00	H
ATOM	698	H1'	C B	4	1.555	5.175	76.522	1.00	0.00	H
ATOM	699	H3'	C B	4	-2.230	6.122	77.020	1.00	0.00	H
ATOM	700	H4'	C B	4	-1.752	3.785	75.869	1.00	0.00	H
ATOM	701	H41	C B	4	3.426	9.026	71.431	1.00	0.00	H
ATOM	702	H42	C B	4	4.817	7.999	71.878	1.00	0.00	H
ATOM	703	H2'1	C B	4	-0.441	7.414	76.073	1.00	0.00	H
ATOM	704	H2'2	C B	4	0.302	6.889	77.578	1.00	0.00	H
ATOM	705	H5'1	C B	4	-1.729	4.883	73.517	1.00	0.00	H
ATOM	706	H5'2	C B	4	-3.152	5.048	74.567	1.00	0.00	H
ATOM	707	C1'	G B	5	4.490	5.443	79.197	1.00	0.00	C
ATOM	708	N1	G B	5	7.077	8.119	75.708	1.00	0.00	N
ATOM	709	C2	G B	5	7.485	7.055	76.494	1.00	0.00	C
ATOM	710	N2	G B	5	8.751	6.651	76.330	1.00	0.00	N
ATOM	711	N3	G B	5	6.693	6.443	77.372	1.00	0.00	N
ATOM	712	C4	G B	5	5.448	6.986	77.413	1.00	0.00	C
ATOM	713	C5	G B	5	4.956	8.048	76.671	1.00	0.00	C
ATOM	714	C6	G B	5	5.794	8.696	75.737	1.00	0.00	C
ATOM	715	O6	G B	5	5.541	9.645	74.996	1.00	0.00	O
ATOM	716	N7	G B	5	3.624	8.298	77.013	1.00	0.00	N
ATOM	717	C8	G B	5	3.357	7.400	77.927	1.00	0.00	C
ATOM	718	N9	G B	5	4.418	6.567	78.224	1.00	0.00	N
ATOM	719	C2'	G B	5	3.722	5.699	80.487	1.00	0.00	C
ATOM	720	C3'	G B	5	3.187	4.316	80.819	1.00	0.00	C
ATOM	721	O3'	G B	5	4.186	3.584	81.524	1.00	0.00	O
ATOM	722	C4'	G B	5	2.900	3.724	79.440	1.00	0.00	C

ATOM	723	O4'	G B	5	3.933	4.299	78.579	1.00	0.00	O
ATOM	724	C5'	G B	5	1.546	4.032	78.845	1.00	0.00	C
ATOM	725	O5'	G B	5	1.153	5.381	79.195	1.00	0.00	O
ATOM	726	O1P	G B	5	-0.847	5.039	80.684	1.00	0.00	O
ATOM	727	O2P	G B	5	-0.621	7.155	79.356	1.00	0.00	O
ATOM	728	P	G B	5	-0.392	5.692	79.442	1.00	0.00	P
ATOM	729	H1	G B	5	7.767	8.519	75.054	1.00	0.00	H
ATOM	730	H8	G B	5	2.385	7.317	78.412	1.00	0.00	H
ATOM	731	H1'	G B	5	5.539	5.236	79.403	1.00	0.00	H
ATOM	732	H21	G B	5	9.357	7.127	75.646	1.00	0.00	H
ATOM	733	H3'	G B	5	2.280	4.362	81.423	1.00	0.00	H
ATOM	734	H22	G B	5	9.118	5.867	76.887	1.00	0.00	H
ATOM	735	H4'	G B	5	2.982	2.642	79.538	1.00	0.00	H
ATOM	736	H2'1	G B	5	2.912	6.416	80.352	1.00	0.00	H
ATOM	737	H2'2	G B	5	4.364	6.077	81.283	1.00	0.00	H
ATOM	738	H5'1	G B	5	1.603	3.933	77.761	1.00	0.00	H
ATOM	739	H5'2	G B	5	0.815	3.323	79.232	1.00	0.00	H
ATOM	740	C1'	T B	6	9.051	6.370	80.880	1.00	0.00	C
ATOM	741	N1	T B	6	8.209	7.477	80.354	1.00	0.00	N
ATOM	742	C2	T B	6	8.773	8.297	79.398	1.00	0.00	C
ATOM	743	O2	T B	6	9.909	8.146	78.984	1.00	0.00	O
ATOM	744	N3	T B	6	7.954	9.312	78.935	1.00	0.00	N
ATOM	745	C4	T B	6	6.661	9.572	79.335	1.00	0.00	C
ATOM	746	O4	T B	6	6.026	10.514	78.850	1.00	0.00	O
ATOM	747	C5	T B	6	6.159	8.661	80.337	1.00	0.00	C
ATOM	748	C6	T B	6	6.927	7.660	80.810	1.00	0.00	C
ATOM	749	C7	T B	6	4.753	8.905	80.800	1.00	0.00	C
ATOM	750	C2'	T B	6	8.862	6.111	82.370	1.00	0.00	C
ATOM	751	C3'	T B	6	9.009	4.600	82.450	1.00	0.00	C
ATOM	752	O3'	T B	6	10.393	4.267	82.537	1.00	0.00	O
ATOM	753	C4'	T B	6	8.382	4.127	81.141	1.00	0.00	C
ATOM	754	O4'	T B	6	8.698	5.190	80.186	1.00	0.00	O
ATOM	755	C5'	T B	6	6.885	3.917	81.149	1.00	0.00	C
ATOM	756	O5'	T B	6	6.255	4.922	81.983	1.00	0.00	O
ATOM	757	O1P	T B	6	5.310	3.583	83.893	1.00	0.00	O
ATOM	758	O2P	T B	6	4.240	5.754	83.232	1.00	0.00	O
ATOM	759	P	T B	6	4.952	4.523	82.813	1.00	0.00	P
ATOM	760	H3	T B	6	8.351	9.936	78.218	1.00	0.00	H
ATOM	761	H6	T B	6	6.525	6.985	81.565	1.00	0.00	H
ATOM	762	H1'	T B	6	10.093	6.594	80.653	1.00	0.00	H
ATOM	763	H3'	T B	6	8.484	4.184	83.311	1.00	0.00	H
ATOM	764	H4'	T B	6	8.850	3.175	80.890	1.00	0.00	H
ATOM	765	H71	T B	6	4.762	9.198	81.850	1.00	0.00	H
ATOM	766	H72	T B	6	4.307	9.702	80.204	1.00	0.00	H
ATOM	767	H73	T B	6	4.167	7.992	80.683	1.00	0.00	H
ATOM	768	H2'1	T B	6	7.886	6.435	82.725	1.00	0.00	H
ATOM	769	H2'2	T B	6	9.616	6.615	82.976	1.00	0.00	H
ATOM	770	H5'1	T B	6	6.506	3.993	80.130	1.00	0.00	H
ATOM	771	H5'2	T B	6	6.666	2.924	81.540	1.00	0.00	H
ATOM	772	C1'	C B	7	13.271	8.982	81.065	1.00	0.00	C
ATOM	773	N1	C B	7	11.954	9.660	81.227	1.00	0.00	N
ATOM	774	C2	C B	7	11.692	10.775	80.434	1.00	0.00	C
ATOM	775	O2	C B	7	12.556	11.154	79.631	1.00	0.00	O
ATOM	776	N3	C B	7	10.500	11.406	80.566	1.00	0.00	N

ATOM	777	C4	C B	7	9.586	10.974	81.444	1.00	0.00	C
ATOM	778	N4	C B	7	8.437	11.626	81.530	1.00	0.00	N
ATOM	779	C5	C B	7	9.830	9.832	82.277	1.00	0.00	C
ATOM	780	C6	C B	7	11.036	9.208	82.122	1.00	0.00	C
ATOM	781	C2'	C B	7	13.866	8.477	82.371	1.00	0.00	C
ATOM	782	C3'	C B	7	14.546	7.190	81.931	1.00	0.00	C
ATOM	783	O3'	C B	7	15.843	7.495	81.423	1.00	0.00	O
ATOM	784	C4'	C B	7	13.610	6.664	80.846	1.00	0.00	C
ATOM	785	O4'	C B	7	13.079	7.870	80.212	1.00	0.00	O
ATOM	786	C5'	C B	7	12.451	5.812	81.313	1.00	0.00	C
ATOM	787	O5'	C B	7	11.953	6.317	82.578	1.00	0.00	O
ATOM	788	O1P	C B	7	12.484	4.462	84.194	1.00	0.00	O
ATOM	789	O2P	C B	7	10.555	6.000	84.641	1.00	0.00	O
ATOM	790	P	C B	7	11.384	5.278	83.646	1.00	0.00	P
ATOM	791	H5	C B	7	9.090	9.480	82.997	1.00	0.00	H
ATOM	792	H6	C B	7	11.264	8.331	82.728	1.00	0.00	H
ATOM	793	H1'	C B	7	13.950	9.674	80.566	1.00	0.00	H
ATOM	794	H3'	C B	7	14.639	6.475	82.751	1.00	0.00	H
ATOM	795	H4'	C B	7	14.215	6.057	80.172	1.00	0.00	H
ATOM	796	H41	C B	7	7.714	11.311	82.194	1.00	0.00	H
ATOM	797	H42	C B	7	8.264	12.448	80.931	1.00	0.00	H
ATOM	798	H2'1	C B	7	13.104	8.285	83.126	1.00	0.00	H
ATOM	799	H2'2	C B	7	14.581	9.179	82.799	1.00	0.00	H
ATOM	800	H5'1	C B	7	11.659	5.846	80.565	1.00	0.00	H
ATOM	801	H5'2	C B	7	12.788	4.785	81.434	1.00	0.00	H
ATOM	802	C1'	C B	8	15.988	13.093	80.571	1.00	0.00	C
ATOM	803	N1	C B	8	14.732	13.108	81.367	1.00	0.00	N
ATOM	804	C2	C B	8	13.789	14.094	81.082	1.00	0.00	C
ATOM	805	O2	C B	8	14.033	14.910	80.184	1.00	0.00	O
ATOM	806	N3	C B	8	12.638	14.125	81.795	1.00	0.00	N
ATOM	807	C4	C B	8	12.402	13.228	82.762	1.00	0.00	C
ATOM	808	N4	C B	8	11.258	13.303	83.426	1.00	0.00	N
ATOM	809	C5	C B	8	13.355	12.204	83.083	1.00	0.00	C
ATOM	810	C6	C B	8	14.507	12.190	82.346	1.00	0.00	C
ATOM	811	C2'	C B	8	17.225	12.727	81.381	1.00	0.00	C
ATOM	812	C3'	C B	8	18.040	11.930	80.375	1.00	0.00	C
ATOM	813	O3'	C B	8	18.796	12.830	79.568	1.00	0.00	O
ATOM	814	C4'	C B	8	16.966	11.199	79.572	1.00	0.00	C
ATOM	815	O4'	C B	8	15.836	12.129	79.547	1.00	0.00	O
ATOM	816	C5'	C B	8	16.492	9.879	80.132	1.00	0.00	C
ATOM	817	O5'	C B	8	16.453	9.946	81.581	1.00	0.00	O
ATOM	818	O1P	C B	8	18.229	8.308	82.288	1.00	0.00	O
ATOM	819	O2P	C B	8	16.288	8.789	83.804	1.00	0.00	O
ATOM	820	P	C B	8	16.795	8.635	82.419	1.00	0.00	P
ATOM	821	H5	C B	8	13.172	11.478	83.873	1.00	0.00	H
ATOM	822	H6	C B	8	15.258	11.427	82.548	1.00	0.00	H
ATOM	823	H1'	C B	8	16.105	14.069	80.099	1.00	0.00	H
ATOM	824	H3'	C B	8	18.715	11.227	80.862	1.00	0.00	H
ATOM	825	H4'	C B	8	17.385	11.007	78.584	1.00	0.00	H
ATOM	826	H41	C B	8	11.050	12.622	84.172	1.00	0.00	H
ATOM	827	H42	C B	8	10.575	14.039	83.196	1.00	0.00	H
ATOM	828	H2'1	C B	8	16.983	12.129	82.259	1.00	0.00	H
ATOM	829	H2'2	C B	8	17.769	13.608	81.726	1.00	0.00	H
ATOM	830	H5'1	C B	8	15.495	9.663	79.747	1.00	0.00	H

ATOM	831	H5'2	C B	8	17.175	9.091	79.819	1.00	0.00	H
ATOM	832	C1'	T B	9	16.666	17.993	80.412	1.00	0.00	C
ATOM	833	N1	T B	9	15.941	17.375	81.554	1.00	0.00	N
ATOM	834	C2	T B	9	14.711	17.907	81.883	1.00	0.00	C
ATOM	835	O2	T B	9	14.217	18.844	81.281	1.00	0.00	O
ATOM	836	N3	T B	9	14.072	17.302	82.949	1.00	0.00	N
ATOM	837	C4	T B	9	14.544	16.244	83.696	1.00	0.00	C
ATOM	838	O4	T B	9	13.880	15.787	84.635	1.00	0.00	O
ATOM	839	C5	T B	9	15.837	15.755	83.278	1.00	0.00	C
ATOM	840	C6	T B	9	16.488	16.320	82.243	1.00	0.00	C
ATOM	841	C7	T B	9	16.386	14.601	84.062	1.00	0.00	C
ATOM	842	C2'	T B	9	18.175	18.079	80.616	1.00	0.00	C
ATOM	843	C3'	T B	9	18.697	17.838	79.208	1.00	0.00	C
ATOM	844	O3'	T B	9	18.695	19.070	78.491	1.00	0.00	O
ATOM	845	C4'	T B	9	17.697	16.834	78.640	1.00	0.00	C
ATOM	846	O4'	T B	9	16.426	17.200	79.267	1.00	0.00	O
ATOM	847	C5'	T B	9	17.973	15.375	78.921	1.00	0.00	C
ATOM	848	O5'	T B	9	18.533	15.231	80.251	1.00	0.00	O
ATOM	849	O1P	T B	9	20.873	14.416	79.813	1.00	0.00	O
ATOM	850	O2P	T B	9	19.723	13.833	81.966	1.00	0.00	O
ATOM	851	P	T B	9	19.612	14.086	80.510	1.00	0.00	P
ATOM	852	H3	T B	9	13.151	17.679	83.211	1.00	0.00	H
ATOM	853	H6	T B	9	17.462	15.933	81.946	1.00	0.00	H
ATOM	854	H1'	T B	9	16.241	18.980	80.232	1.00	0.00	H
ATOM	855	H3'	T B	9	19.707	17.426	79.215	1.00	0.00	H
ATOM	856	H4'	T B	9	17.693	16.970	77.557	1.00	0.00	H
ATOM	857	H71	T B	9	17.283	14.919	84.596	1.00	0.00	H
ATOM	858	H72	T B	9	15.640	14.258	84.779	1.00	0.00	H
ATOM	859	H73	T B	9	16.639	13.786	83.383	1.00	0.00	H
ATOM	860	H2'1	T B	9	18.540	17.324	81.310	1.00	0.00	H
ATOM	861	H2'2	T B	9	18.486	19.052	80.995	1.00	0.00	H
ATOM	862	H5'1	T B	9	17.042	14.814	78.850	1.00	0.00	H
ATOM	863	H5'2	T B	9	18.678	14.998	78.183	1.00	0.00	H
ATOM	864	C1'	A B	10	15.474	22.686	81.502	1.00	0.00	C
ATOM	865	N1	A B	10	13.154	20.565	85.558	1.00	0.00	N
ATOM	866	C2	A B	10	12.793	21.534	84.721	1.00	0.00	C
ATOM	867	N3	A B	10	13.441	22.031	83.690	1.00	0.00	N
ATOM	868	C4	A B	10	14.628	21.416	83.543	1.00	0.00	C
ATOM	869	C5	A B	10	15.144	20.410	84.312	1.00	0.00	C
ATOM	870	C6	A B	10	14.344	19.969	85.386	1.00	0.00	C
ATOM	871	N6	A B	10	14.721	18.989	86.227	1.00	0.00	N
ATOM	872	N7	A B	10	16.393	20.024	83.857	1.00	0.00	N
ATOM	873	C8	A B	10	16.606	20.800	82.835	1.00	0.00	C
ATOM	874	N9	A B	10	15.576	21.669	82.582	1.00	0.00	N
ATOM	875	C2'	A B	10	16.791	23.383	81.191	1.00	0.00	C
ATOM	876	C3'	A B	10	16.696	23.584	79.685	1.00	0.00	C
ATOM	877	O3'	A B	10	15.963	24.776	79.417	1.00	0.00	O
ATOM	878	C4'	A B	10	15.952	22.333	79.223	1.00	0.00	C
ATOM	879	O4'	A B	10	15.041	22.026	80.327	1.00	0.00	O
ATOM	880	C5'	A B	10	16.798	21.114	78.940	1.00	0.00	C
ATOM	881	O5'	A B	10	17.894	21.047	79.889	1.00	0.00	O
ATOM	882	O1P	A B	10	19.930	21.388	78.450	1.00	0.00	O
ATOM	883	O2P	A B	10	20.107	20.084	80.586	1.00	0.00	O
ATOM	884	P	A B	10	19.294	20.458	79.403	1.00	0.00	P



ATOM	885	H2	A B	10	11.819	21.979	84.919	1.00	0.00	H
ATOM	886	H8	A B	10	17.516	20.763	82.237	1.00	0.00	H
ATOM	887	H1'	A B	10	14.707	23.407	81.783	1.00	0.00	H
ATOM	888	H3'	A B	10	17.680	23.651	79.221	1.00	0.00	H
ATOM	889	H4'	A B	10	15.431	22.597	78.303	1.00	0.00	H
ATOM	890	H61	A B	10	14.097	18.702	86.993	1.00	0.00	H
ATOM	891	H62	A B	10	15.632	18.526	86.102	1.00	0.00	H
ATOM	892	H2'1	A B	10	17.655	22.776	81.455	1.00	0.00	H
ATOM	893	H2'2	A B	10	16.887	24.337	81.712	1.00	0.00	H
ATOM	894	H5'1	A B	10	16.180	20.221	79.029	1.00	0.00	H
ATOM	895	H5'2	A B	10	17.192	21.179	77.928	1.00	0.00	H
ATOM	896	C1'	G B	11	13.352	26.200	84.293	1.00	0.00	C
ATOM	897	N1	G B	11	13.920	22.789	88.043	1.00	0.00	N
ATOM	898	C2	G B	11	12.850	23.614	87.749	1.00	0.00	C
ATOM	899	N2	G B	11	11.791	23.520	88.562	1.00	0.00	N
ATOM	900	N3	G B	11	12.837	24.466	86.724	1.00	0.00	N
ATOM	901	C4	G B	11	13.994	24.433	86.011	1.00	0.00	C
ATOM	902	C5	G B	11	15.112	23.649	86.233	1.00	0.00	C
ATOM	903	C6	G B	11	15.126	22.742	87.319	1.00	0.00	C
ATOM	904	O6	G B	11	16.017	21.970	87.674	1.00	0.00	O
ATOM	905	N7	G B	11	16.090	23.919	85.274	1.00	0.00	N
ATOM	906	C8	G B	11	15.545	24.837	84.517	1.00	0.00	C
ATOM	907	N9	G B	11	14.272	25.203	84.902	1.00	0.00	N
ATOM	908	C2'	G B	11	14.056	27.446	83.773	1.00	0.00	C
ATOM	909	C3'	G B	11	13.241	27.778	82.534	1.00	0.00	C
ATOM	910	O3'	G B	11	12.101	28.546	82.916	1.00	0.00	O
ATOM	911	C4'	G B	11	12.856	26.401	82.000	1.00	0.00	C
ATOM	912	O4'	G B	11	12.702	25.579	83.202	1.00	0.00	O
ATOM	913	C5'	G B	11	13.853	25.733	81.083	1.00	0.00	C
ATOM	914	O5'	G B	11	15.201	26.036	81.519	1.00	0.00	O
ATOM	915	O1P	G B	11	16.123	27.432	79.640	1.00	0.00	O
ATOM	916	O2P	G B	11	17.672	26.074	81.071	1.00	0.00	O
ATOM	917	P	G B	11	16.345	26.201	80.422	1.00	0.00	P
ATOM	918	H1	G B	11	13.826	22.161	88.855	1.00	0.00	H
ATOM	919	H8	G B	11	16.052	25.275	83.659	1.00	0.00	H
ATOM	920	H1'	G B	11	12.593	26.461	85.031	1.00	0.00	H
ATOM	921	H21	G B	11	11.806	22.857	89.351	1.00	0.00	H
ATOM	922	H3'	G B	11	13.822	28.337	81.799	1.00	0.00	H
ATOM	923	H22	G B	11	10.962	24.110	88.399	1.00	0.00	H
ATOM	924	H4'	G B	11	11.924	26.523	81.447	1.00	0.00	H
ATOM	925	H2'1	G B	11	15.100	27.256	83.521	1.00	0.00	H
ATOM	926	H2'2	G B	11	14.037	28.264	84.493	1.00	0.00	H
ATOM	927	H5'1	G B	11	13.693	24.656	81.103	1.00	0.00	H
ATOM	928	H5'2	G B	11	13.704	26.099	80.067	1.00	0.00	H
ATOM	929	C1'	G B	12	11.601	28.069	88.532	1.00	0.00	C
ATOM	930	N1	G B	12	14.862	24.777	90.668	1.00	0.00	N
ATOM	931	C2	G B	12	13.560	25.091	91.016	1.00	0.00	C
ATOM	932	N2	G B	12	13.061	24.442	92.077	1.00	0.00	N
ATOM	933	N3	G B	12	12.816	25.978	90.361	1.00	0.00	N
ATOM	934	C4	G B	12	13.483	26.543	89.320	1.00	0.00	C
ATOM	935	C5	G B	12	14.779	26.297	88.901	1.00	0.00	C
ATOM	936	C6	G B	12	15.569	25.352	89.595	1.00	0.00	C
ATOM	937	O6	G B	12	16.729	25.001	89.378	1.00	0.00	O
ATOM	938	N7	G B	12	15.086	27.087	87.792	1.00	0.00	N

ATOM	939	C8	G B	12	13.992	27.769	87.576	1.00	0.00	C
ATOM	940	N9	G B	12	12.972	27.494	88.464	1.00	0.00	N
ATOM	941	C2'	G B	12	11.540	29.552	88.197	1.00	0.00	C
ATOM	942	C3'	G B	12	10.207	29.659	87.471	1.00	0.00	C
ATOM	943	O3'	G B	12	9.162	29.801	88.430	1.00	0.00	O
ATOM	944	C4'	G B	12	10.124	28.333	86.718	1.00	0.00	C
ATOM	945	O4'	G B	12	10.797	27.376	87.597	1.00	0.00	O
ATOM	946	C5'	G B	12	10.785	28.289	85.361	1.00	0.00	C
ATOM	947	O5'	G B	12	11.996	29.084	85.379	1.00	0.00	O
ATOM	948	O1P	G B	12	11.475	30.974	83.802	1.00	0.00	O
ATOM	949	O2P	G B	12	13.851	30.244	84.142	1.00	0.00	O
ATOM	950	P	G B	12	12.419	29.869	84.056	1.00	0.00	P
ATOM	951	H1	G B	12	15.350	24.070	91.239	1.00	0.00	H
ATOM	952	H8	G B	12	13.892	28.492	86.767	1.00	0.00	H
ATOM	953	H1'	G B	12	11.199	27.876	89.527	1.00	0.00	H
ATOM	954	H21	G B	12	13.642	23.753	92.578	1.00	0.00	H
ATOM	955	H3'	G B	12	10.183	30.504	86.783	1.00	0.00	H
ATOM	956	H22	G B	12	12.099	24.632	92.389	1.00	0.00	H
ATOM	957	H4'	G B	12	9.066	28.113	86.580	1.00	0.00	H
ATOM	958	H2'1	G B	12	12.365	29.866	87.559	1.00	0.00	H
ATOM	959	H2'2	G B	12	11.557	30.180	89.087	1.00	0.00	H
ATOM	960	H5'1	G B	12	11.026	27.255	85.114	1.00	0.00	H
ATOM	961	H5'2	G B	12	10.096	28.684	84.614	1.00	0.00	H
ATOM	962	C1'	T B	13	11.324	28.435	93.460	1.00	0.00	C
ATOM	963	N1	T B	13	12.642	28.504	92.779	1.00	0.00	N
ATOM	964	C2	T B	13	13.640	27.670	93.246	1.00	0.00	C
ATOM	965	O2	T B	13	13.472	26.900	94.178	1.00	0.00	O
ATOM	966	N3	T B	13	14.848	27.766	92.583	1.00	0.00	N
ATOM	967	C4	T B	13	15.142	28.601	91.525	1.00	0.00	C
ATOM	968	O4	T B	13	16.267	28.602	91.013	1.00	0.00	O
ATOM	969	C5	T B	13	14.039	29.434	91.106	1.00	0.00	C
ATOM	970	C6	T B	13	12.845	29.366	91.729	1.00	0.00	C
ATOM	971	C7	T B	13	14.312	30.358	89.957	1.00	0.00	C
ATOM	972	C2'	T B	13	10.636	29.788	93.607	1.00	0.00	C
ATOM	973	C3'	T B	13	9.171	29.419	93.431	1.00	0.00	C
ATOM	974	O3'	T B	13	8.644	28.982	94.681	1.00	0.00	O
ATOM	975	C4'	T B	13	9.226	28.293	92.401	1.00	0.00	C
ATOM	976	O4'	T B	13	10.482	27.600	92.690	1.00	0.00	O
ATOM	977	C5'	T B	13	9.227	28.710	90.948	1.00	0.00	C
ATOM	978	O5'	T B	13	9.993	29.931	90.790	1.00	0.00	O
ATOM	979	O1P	T B	13	8.262	31.619	90.094	1.00	0.00	O
ATOM	980	O2P	T B	13	10.655	31.915	89.398	1.00	0.00	O
ATOM	981	P	T B	13	9.535	30.988	89.689	1.00	0.00	P
ATOM	982	H3	T B	13	15.607	27.151	92.912	1.00	0.00	H
ATOM	983	H6	T B	13	12.028	30.005	91.395	1.00	0.00	H
ATOM	984	H1'	T B	13	11.464	27.962	94.433	1.00	0.00	H
ATOM	985	H3'	T B	13	8.581	30.259	93.064	1.00	0.00	H
ATOM	986	H4'	T B	13	8.347	27.670	92.565	1.00	0.00	H
ATOM	987	H71	T B	13	14.256	31.391	90.298	1.00	0.00	H
ATOM	988	H72	T B	13	15.309	30.159	89.560	1.00	0.00	H
ATOM	989	H73	T B	13	13.571	30.193	89.173	1.00	0.00	H
ATOM	990	H2'1	T B	13	10.961	30.499	92.850	1.00	0.00	H
ATOM	991	H2'2	T B	13	10.816	30.239	94.583	1.00	0.00	H
ATOM	992	H5'1	T B	13	9.671	27.916	90.348	1.00	0.00	H

ATOM	993	H5'2	T	B	13	8.202	28.876	90.622	1.00	0.00	H
ATOM	994	C1'	G	B	14	13.148	27.980	98.056	1.00	0.00	C
ATOM	995	N1	G	B	14	17.658	28.451	95.717	1.00	0.00	N
ATOM	996	C2	G	B	14	17.270	27.596	96.734	1.00	0.00	C
ATOM	997	N2	G	B	14	18.207	26.756	97.189	1.00	0.00	N
ATOM	998	N3	G	B	14	16.043	27.580	97.254	1.00	0.00	N
ATOM	999	C4	G	B	14	15.226	28.501	96.677	1.00	0.00	C
ATOM	1000	C5	G	B	14	15.526	29.395	95.665	1.00	0.00	C
ATOM	1001	C6	G	B	14	16.827	29.410	95.110	1.00	0.00	C
ATOM	1002	O6	G	B	14	17.280	30.125	94.214	1.00	0.00	O
ATOM	1003	N7	G	B	14	14.407	30.173	95.359	1.00	0.00	N
ATOM	1004	C8	G	B	14	13.484	29.733	96.176	1.00	0.00	C
ATOM	1005	N9	G	B	14	13.907	28.717	97.010	1.00	0.00	N
ATOM	1006	C2'	G	B	14	12.176	28.852	98.839	1.00	0.00	C
ATOM	1007	C3'	G	B	14	11.019	27.898	99.084	1.00	0.00	C
ATOM	1008	O3'	G	B	14	11.295	27.113	100.241	1.00	0.00	O
ATOM	1009	C4'	G	B	14	10.997	27.058	97.808	1.00	0.00	C
ATOM	1010	O4'	G	B	14	12.401	26.965	97.413	1.00	0.00	O
ATOM	1011	C5'	G	B	14	10.204	27.616	96.651	1.00	0.00	C
ATOM	1012	O5'	G	B	14	10.339	29.059	96.614	1.00	0.00	O
ATOM	1013	O1P	G	B	14	8.012	29.876	97.119	1.00	0.00	O
ATOM	1014	O2P	G	B	14	9.570	31.291	95.755	1.00	0.00	O
ATOM	1015	P	G	B	14	9.099	29.934	96.124	1.00	0.00	P
ATOM	1016	H1	G	B	14	18.630	28.378	95.381	1.00	0.00	H
ATOM	1017	H8	G	B	14	12.471	30.134	96.196	1.00	0.00	H
ATOM	1018	H1'	G	B	14	13.865	27.497	98.722	1.00	0.00	H
ATOM	1019	H21	G	B	14	19.154	26.773	96.779	1.00	0.00	H
ATOM	1020	H3'	G	B	14	10.075	28.427	99.223	1.00	0.00	H
ATOM	1021	H22	G	B	14	17.984	26.097	97.948	1.00	0.00	H
ATOM	1022	H4'	G	B	14	10.564	26.093	98.073	1.00	0.00	H
ATOM	1023	H2'1	G	B	14	11.857	29.727	98.273	1.00	0.00	H
ATOM	1024	H2'2	G	B	14	12.603	29.208	99.777	1.00	0.00	H
ATOM	1025	H5'1	G	B	14	10.578	27.188	95.721	1.00	0.00	H
ATOM	1026	H5'2	G	B	14	9.155	27.347	96.772	1.00	0.00	H
ATOM	1027	C1'	C	B	15	16.796	27.761	101.399	1.00	0.00	C
ATOM	1028	N1	C	B	15	16.730	28.882	100.423	1.00	0.00	N
ATOM	1029	C2	C	B	15	17.873	29.172	99.681	1.00	0.00	C
ATOM	1030	O2	C	B	15	18.889	28.489	99.862	1.00	0.00	O
ATOM	1031	N3	C	B	15	17.833	30.189	98.786	1.00	0.00	N
ATOM	1032	C4	C	B	15	16.719	30.910	98.614	1.00	0.00	C
ATOM	1033	N4	C	B	15	16.734	31.892	97.724	1.00	0.00	N
ATOM	1034	C5	C	B	15	15.528	30.640	99.367	1.00	0.00	C
ATOM	1035	C6	C	B	15	15.590	29.608	100.257	1.00	0.00	C
ATOM	1036	C2'	C	B	15	16.030	28.023	102.688	1.00	0.00	C
ATOM	1037	C3'	C	B	15	15.488	26.643	103.022	1.00	0.00	C
ATOM	1038	O3'	C	B	15	16.484	25.905	103.728	1.00	0.00	O
ATOM	1039	C4'	C	B	15	15.199	26.049	101.644	1.00	0.00	C
ATOM	1040	O4'	C	B	15	16.234	26.619	100.781	1.00	0.00	O
ATOM	1041	C5'	C	B	15	13.846	26.363	101.047	1.00	0.00	C
ATOM	1042	O5'	C	B	15	13.460	27.716	101.397	1.00	0.00	O
ATOM	1043	O1P	C	B	15	11.458	27.384	102.887	1.00	0.00	O
ATOM	1044	O2P	C	B	15	11.693	29.498	101.555	1.00	0.00	O
ATOM	1045	P	C	B	15	11.917	28.034	101.642	1.00	0.00	P
ATOM	1046	H5	C	B	15	14.620	31.228	99.234	1.00	0.00	H

ATOM	1047	H6	C B	15	14.708	29.359	100.848	1.00	0.00	H
ATOM	1048	H1'	C B	15	17.846	27.550	101.604	1.00	0.00	H
ATOM	1049	H3'	C B	15	14.581	26.695	103.624	1.00	0.00	H
ATOM	1050	H4'	C B	15	15.275	24.966	101.742	1.00	0.00	H
ATOM	1051	H41	C B	15	15.889	32.461	97.568	1.00	0.00	H
ATOM	1052	H42	C B	15	17.592	32.087	97.186	1.00	0.00	H
ATOM	1053	H2'1	C B	15	15.225	28.744	102.552	1.00	0.00	H
ATOM	1054	H2'2	C B	15	16.675	28.400	103.483	1.00	0.00	H
ATOM	1055	H5'1	C B	15	13.901	26.264	99.964	1.00	0.00	H
ATOM	1056	H5'2	C B	15	13.112	25.659	101.437	1.00	0.00	H
ATOM	1057	C1'	G B	16	21.363	28.706	103.064	1.00	0.00	C
ATOM	1058	N1	G B	16	21.099	32.668	99.862	1.00	0.00	N
ATOM	1059	C2	G B	16	22.142	31.792	100.107	1.00	0.00	C
ATOM	1060	N2	G B	16	23.264	32.000	99.407	1.00	0.00	N
ATOM	1061	N3	G B	16	22.070	30.788	100.979	1.00	0.00	N
ATOM	1062	C4	G B	16	20.863	30.730	101.602	1.00	0.00	C
ATOM	1063	C5	G B	16	19.770	31.562	101.427	1.00	0.00	C
ATOM	1064	C6	G B	16	19.844	32.625	100.497	1.00	0.00	C
ATOM	1065	O6	G B	16	18.988	33.460	100.205	1.00	0.00	O
ATOM	1066	N7	G B	16	18.723	31.164	102.261	1.00	0.00	N
ATOM	1067	C8	G B	16	19.202	30.128	102.900	1.00	0.00	C
ATOM	1068	N9	G B	16	20.499	29.804	102.555	1.00	0.00	N
ATOM	1069	C2'	G B	16	21.195	28.434	104.553	1.00	0.00	C
ATOM	1070	C3'	G B	16	21.363	26.924	104.621	1.00	0.00	C
ATOM	1071	O3'	G B	16	22.751	26.610	104.689	1.00	0.00	O
ATOM	1072	C4'	G B	16	20.727	26.452	103.314	1.00	0.00	C
ATOM	1073	O4'	G B	16	21.020	27.526	102.364	1.00	0.00	O
ATOM	1074	C5'	G B	16	19.235	26.221	103.338	1.00	0.00	C
ATOM	1075	O5'	G B	16	18.599	27.209	104.186	1.00	0.00	O
ATOM	1076	O1P	G B	16	17.693	25.844	106.096	1.00	0.00	O
ATOM	1077	O2P	G B	16	16.586	28.004	105.463	1.00	0.00	O
ATOM	1078	P	G B	16	17.311	26.786	105.028	1.00	0.00	P
ATOM	1079	H1	G B	16	21.255	33.408	99.161	1.00	0.00	H
ATOM	1080	H8	G B	16	18.629	29.571	103.639	1.00	0.00	H
ATOM	1081	H1'	G B	16	22.399	28.947	102.826	1.00	0.00	H
ATOM	1082	H21	G B	16	23.310	32.777	98.731	1.00	0.00	H
ATOM	1083	H3'	G B	16	20.852	26.495	105.484	1.00	0.00	H
ATOM	1084	H22	G B	16	24.077	31.385	99.544	1.00	0.00	H
ATOM	1085	H4'	G B	16	21.206	25.509	103.052	1.00	0.00	H
ATOM	1086	H2'1	G B	16	20.216	28.742	104.921	1.00	0.00	H
ATOM	1087	H2'2	G B	16	21.948	28.944	105.155	1.00	0.00	H
ATOM	1088	H5'1	G B	16	18.844	26.299	102.324	1.00	0.00	H
ATOM	1089	H5'2	G B	16	19.035	25.222	103.724	1.00	0.00	H
ATOM	1090	C1'	G B	17	25.575	31.302	103.265	1.00	0.00	C
ATOM	1091	N1	G B	17	22.618	35.143	101.677	1.00	0.00	N
ATOM	1092	C2	G B	17	23.893	34.780	101.279	1.00	0.00	C
ATOM	1093	N2	G B	17	24.453	35.542	100.333	1.00	0.00	N
ATOM	1094	N3	G B	17	24.552	33.739	101.782	1.00	0.00	N
ATOM	1095	C4	G B	17	23.836	33.085	102.735	1.00	0.00	C
ATOM	1096	C5	G B	17	22.565	33.377	103.198	1.00	0.00	C
ATOM	1097	C6	G B	17	21.862	34.479	102.661	1.00	0.00	C
ATOM	1098	O6	G B	17	20.736	34.893	102.940	1.00	0.00	O
ATOM	1099	N7	G B	17	22.188	32.461	104.184	1.00	0.00	N
ATOM	1100	C8	G B	17	23.217	31.660	104.281	1.00	0.00	C

ATOM	1101	N9	G B	17	24.259	31.976	103.433	1.00	0.00	N
ATOM	1102	C2'	G B	17	26.173	30.791	104.569	1.00	0.00	C
ATOM	1103	C3'	G B	17	26.857	29.507	104.124	1.00	0.00	C
ATOM	1104	O3'	G B	17	28.152	29.818	103.617	1.00	0.00	O
ATOM	1105	C4'	G B	17	25.920	28.983	103.038	1.00	0.00	C
ATOM	1106	O4'	G B	17	25.386	30.192	102.409	1.00	0.00	O
ATOM	1107	C5'	G B	17	24.764	28.129	103.502	1.00	0.00	C
ATOM	1108	O5'	G B	17	24.265	28.627	104.768	1.00	0.00	O
ATOM	1109	O1P	G B	17	24.803	26.766	106.375	1.00	0.00	O
ATOM	1110	O2P	G B	17	22.868	28.297	106.832	1.00	0.00	O
ATOM	1111	P	G B	17	23.699	27.582	105.833	1.00	0.00	P
ATOM	1112	H1	G B	17	22.192	35.964	101.220	1.00	0.00	H
ATOM	1113	H8	G B	17	23.250	30.818	104.970	1.00	0.00	H
ATOM	1114	H1'	G B	17	26.254	31.996	102.770	1.00	0.00	H
ATOM	1115	H21	G B	17	23.935	36.344	99.944	1.00	0.00	H
ATOM	1116	H3'	G B	17	26.951	28.790	104.940	1.00	0.00	H
ATOM	1117	H22	G B	17	25.402	35.326	99.993	1.00	0.00	H
ATOM	1118	H4'	G B	17	26.526	28.383	102.359	1.00	0.00	H
ATOM	1119	H2'1	G B	17	25.413	30.595	105.324	1.00	0.00	H
ATOM	1120	H2'2	G B	17	26.888	31.493	104.999	1.00	0.00	H
ATOM	1121	H5'1	G B	17	23.972	28.164	102.754	1.00	0.00	H
ATOM	1122	H5'2	G B	17	25.104	27.100	103.617	1.00	0.00	H
ATOM	1123	C1'	C B	18	28.295	35.412	102.772	1.00	0.00	C
ATOM	1124	N1	C B	18	27.037	35.426	103.569	1.00	0.00	N
ATOM	1125	C2	C B	18	26.095	36.412	103.281	1.00	0.00	C
ATOM	1126	O2	C B	18	26.339	37.228	102.383	1.00	0.00	O
ATOM	1127	N3	C B	18	24.945	36.442	103.996	1.00	0.00	N
ATOM	1128	C4	C B	18	24.710	35.544	104.962	1.00	0.00	C
ATOM	1129	N4	C B	18	23.567	35.621	105.628	1.00	0.00	N
ATOM	1130	C5	C B	18	25.662	34.524	105.279	1.00	0.00	C
ATOM	1131	C6	C B	18	26.812	34.510	104.547	1.00	0.00	C
ATOM	1132	C2'	C B	18	29.532	35.046	103.582	1.00	0.00	C
ATOM	1133	C3'	C B	18	30.347	34.249	102.576	1.00	0.00	C
ATOM	1134	O3'	C B	18	31.102	35.149	101.769	1.00	0.00	O
ATOM	1135	C4'	C B	18	29.272	33.518	101.773	1.00	0.00	C
ATOM	1136	O4'	C B	18	28.143	34.448	101.747	1.00	0.00	O
ATOM	1137	C5'	C B	18	28.798	32.198	102.332	1.00	0.00	C
ATOM	1138	O5'	C B	18	28.759	32.266	103.780	1.00	0.00	O
ATOM	1139	O1P	C B	18	30.534	30.627	104.489	1.00	0.00	O
ATOM	1140	O2P	C B	18	28.594	31.108	106.005	1.00	0.00	O
ATOM	1141	P	C B	18	29.100	30.953	104.620	1.00	0.00	P
ATOM	1142	H5	C B	18	25.477	33.793	106.068	1.00	0.00	H
ATOM	1143	H6	C B	18	27.564	33.749	104.750	1.00	0.00	H
ATOM	1144	H1'	C B	18	28.411	36.387	102.301	1.00	0.00	H
ATOM	1145	H3'	C B	18	31.021	33.546	103.063	1.00	0.00	H
ATOM	1146	H4'	C B	18	29.691	33.327	100.784	1.00	0.00	H
ATOM	1147	H41	C B	18	23.360	34.941	106.375	1.00	0.00	H
ATOM	1148	H42	C B	18	22.884	36.357	105.397	1.00	0.00	H
ATOM	1149	H2'1	C B	18	29.288	34.448	104.459	1.00	0.00	H
ATOM	1150	H2'2	C B	18	30.074	35.927	103.927	1.00	0.00	H
ATOM	1151	H5'1	C B	18	27.801	31.982	101.948	1.00	0.00	H
ATOM	1152	H5'2	C B	18	29.481	31.410	102.019	1.00	0.00	H
ATOM	1153	C1'	C B	19	28.952	40.318	102.622	1.00	0.00	C
ATOM	1154	N1	C B	19	28.242	39.684	103.766	1.00	0.00	N

ATOM	1155	C2	C B	19	26.996	40.194	104.126	1.00	0.00	C
ATOM	1156	O2	C B	19	26.532	41.144	103.483	1.00	0.00	O
ATOM	1157	N3	C B	19	26.336	39.630	105.165	1.00	0.00	N
ATOM	1158	C4	C B	19	26.865	38.601	105.841	1.00	0.00	C
ATOM	1159	N4	C B	19	26.176	38.088	106.847	1.00	0.00	N
ATOM	1160	C5	C B	19	28.143	38.060	105.493	1.00	0.00	C
ATOM	1161	C6	C B	19	28.790	38.642	104.444	1.00	0.00	C
ATOM	1162	C2'	C B	19	30.458	40.420	102.813	1.00	0.00	C
ATOM	1163	C3'	C B	19	30.973	40.193	101.399	1.00	0.00	C
ATOM	1164	O3'	C B	19	30.949	41.427	100.688	1.00	0.00	O
ATOM	1165	C4'	C B	19	29.978	39.182	100.834	1.00	0.00	C
ATOM	1166	O4'	C B	19	28.708	39.526	101.474	1.00	0.00	O
ATOM	1167	C5'	C B	19	30.273	37.724	101.105	1.00	0.00	C
ATOM	1168	O5'	C B	19	30.847	37.578	102.428	1.00	0.00	O
ATOM	1169	O1P	C B	19	33.192	36.792	101.964	1.00	0.00	O
ATOM	1170	O2P	C B	19	32.068	36.183	104.124	1.00	0.00	O
ATOM	1171	P	C B	19	31.942	36.446	102.669	1.00	0.00	P
ATOM	1172	H5	C B	19	28.580	37.225	106.041	1.00	0.00	H
ATOM	1173	H6	C B	19	29.766	38.262	104.141	1.00	0.00	H
ATOM	1174	H1'	C B	19	28.512	41.301	102.451	1.00	0.00	H
ATOM	1175	H3'	C B	19	31.986	39.792	101.394	1.00	0.00	H
ATOM	1176	H4'	C B	19	29.962	39.322	99.753	1.00	0.00	H
ATOM	1177	H41	C B	19	26.558	37.295	107.384	1.00	0.00	H
ATOM	1178	H42	C B	19	25.255	38.481	107.096	1.00	0.00	H
ATOM	1179	H2'1	C B	19	30.840	39.665	103.500	1.00	0.00	H
ATOM	1180	H2'2	C B	19	30.762	41.394	103.195	1.00	0.00	H
ATOM	1181	H5'1	C B	19	29.349	37.153	101.037	1.00	0.00	H
ATOM	1182	H5'2	C B	19	30.976	37.359	100.357	1.00	0.00	H
ATOM	1183	C1'	T B	20	27.780	45.004	103.703	1.00	0.00	C
ATOM	1184	N1	T B	20	27.882	43.989	104.785	1.00	0.00	N
ATOM	1185	C2	T B	20	26.816	43.890	105.657	1.00	0.00	C
ATOM	1186	O2	T B	20	25.823	44.590	105.567	1.00	0.00	O
ATOM	1187	N3	T B	20	26.953	42.935	106.646	1.00	0.00	N
ATOM	1188	C4	T B	20	28.029	42.096	106.835	1.00	0.00	C
ATOM	1189	O4	T B	20	28.037	41.277	107.763	1.00	0.00	O
ATOM	1190	C5	T B	20	29.093	42.273	105.877	1.00	0.00	C
ATOM	1191	C6	T B	20	28.995	43.194	104.898	1.00	0.00	C
ATOM	1192	C7	T B	20	30.285	41.379	106.044	1.00	0.00	C
ATOM	1193	C2'	T B	20	29.098	45.704	103.393	1.00	0.00	C
ATOM	1194	C3'	T B	20	29.007	45.901	101.887	1.00	0.00	C
ATOM	1195	O3'	T B	20	28.274	47.094	101.614	1.00	0.00	O
ATOM	1196	C4'	T B	20	28.265	44.648	101.426	1.00	0.00	C
ATOM	1197	O4'	T B	20	27.353	44.342	102.528	1.00	0.00	O
ATOM	1198	C5'	T B	20	29.114	43.429	101.149	1.00	0.00	C
ATOM	1199	O5'	T B	20	30.208	43.367	102.101	1.00	0.00	O
ATOM	1200	O1P	T B	20	32.247	43.708	100.666	1.00	0.00	O
ATOM	1201	O2P	T B	20	32.421	42.408	102.806	1.00	0.00	O
ATOM	1202	P	T B	20	31.609	42.779	101.620	1.00	0.00	P
ATOM	1203	H3	T B	20	26.171	42.841	107.309	1.00	0.00	H
ATOM	1204	H6	T B	20	29.811	43.310	104.185	1.00	0.00	H
ATOM	1205	H1'	T B	20	27.011	45.725	103.980	1.00	0.00	H
ATOM	1206	H3'	T B	20	29.991	45.969	101.425	1.00	0.00	H
ATOM	1207	H4'	T B	20	27.747	44.909	100.503	1.00	0.00	H
ATOM	1208	H3T	T B	20	28.594	47.880	102.059	1.00	0.00	H

ATOM	1209	H71	T B	20	31.155	41.979	106.307	1.00	0.00	H
ATOM	1210	H72	T B	20	30.089	40.656	106.838	1.00	0.00	H
ATOM	1211	H73	T B	20	30.477	40.849	105.111	1.00	0.00	H
ATOM	1212	H2'1	T B	20	29.961	45.099	103.662	1.00	0.00	H
ATOM	1213	H2'2	T B	20	29.191	46.659	103.913	1.00	0.00	H
ATOM	1214	H5'1	T B	20	28.497	42.535	101.237	1.00	0.00	H
ATOM	1215	H5'2	T B	20	29.511	43.493	100.137	1.00	0.00	H
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ATOM	1	C1'	A A	1	38.605	45.012	73.356	1.00	0.00	C
ATOM	2	N1	A A	1	42.602	41.823	73.792	1.00	0.00	N
ATOM	3	C2	A A	1	42.046	42.429	72.747	1.00	0.00	C
ATOM	4	N3	A A	1	41.014	43.246	72.705	1.00	0.00	N
ATOM	5	C4	A A	1	40.513	43.427	73.941	1.00	0.00	C
ATOM	6	C5	A A	1	40.963	42.880	75.109	1.00	0.00	C
ATOM	7	C6	A A	1	42.080	42.023	75.012	1.00	0.00	C
ATOM	8	N6	A A	1	42.632	41.414	76.076	1.00	0.00	N
ATOM	9	N7	A A	1	40.197	43.296	76.183	1.00	0.00	N
ATOM	10	C8	A A	1	39.306	44.076	75.645	1.00	0.00	C
ATOM	11	N9	A A	1	39.437	44.205	74.288	1.00	0.00	N
ATOM	12	C2'	A A	1	37.124	45.021	73.707	1.00	0.00	C
ATOM	13	C3'	A A	1	36.716	46.434	73.321	1.00	0.00	C
ATOM	14	O3'	A A	1	36.417	46.472	71.928	1.00	0.00	O
ATOM	15	C4'	A A	1	37.958	47.254	73.669	1.00	0.00	C
ATOM	16	O4'	A A	1	39.074	46.345	73.403	1.00	0.00	O
ATOM	17	C5'	A A	1	38.061	47.743	75.093	1.00	0.00	C
ATOM	18	O5'	A A	1	37.526	46.744	75.997	1.00	0.00	O
ATOM	19	H2	A A	1	42.514	42.222	71.786	1.00	0.00	H
ATOM	20	H8	A A	1	38.530	44.582	76.221	1.00	0.00	H
ATOM	21	H1'	A A	1	38.764	44.636	72.345	1.00	0.00	H
ATOM	22	H3'	A A	1	35.847	46.778	73.886	1.00	0.00	H
ATOM	23	H4'	A A	1	37.953	48.126	73.016	1.00	0.00	H
ATOM	24	H61	A A	1	43.447	40.801	75.951	1.00	0.00	H
ATOM	25	H62	A A	1	42.237	41.565	77.015	1.00	0.00	H
ATOM	26	H5T	A A	1	37.074	47.034	76.791	1.00	0.00	H
ATOM	27	H2'1	A A	1	36.947	44.833	74.765	1.00	0.00	H
ATOM	28	H2'2	A A	1	36.560	44.279	73.142	1.00	0.00	H
ATOM	29	H5'1	A A	1	39.108	47.932	75.331	1.00	0.00	H
ATOM	30	H5'2	A A	1	37.499	48.670	75.195	1.00	0.00	H
ATOM	31	C1'	G A	2	38.527	41.651	69.702	1.00	0.00	C
ATOM	32	N1	G A	2	41.186	38.811	73.000	1.00	0.00	N
ATOM	33	C2	G A	2	41.366	38.994	71.643	1.00	0.00	C
ATOM	34	N2	G A	2	42.388	38.331	71.088	1.00	0.00	N
ATOM	35	N3	G A	2	40.588	39.776	70.896	1.00	0.00	N
ATOM	36	C4	G A	2	39.600	40.364	71.620	1.00	0.00	C
ATOM	37	C5	G A	2	39.343	40.238	72.976	1.00	0.00	C
ATOM	38	C6	G A	2	40.172	39.410	73.768	1.00	0.00	C
ATOM	39	O6	G A	2	40.106	39.175	74.975	1.00	0.00	O
ATOM	40	N7	G A	2	38.233	41.007	73.329	1.00	0.00	N
ATOM	41	C8	G A	2	37.862	41.564	72.205	1.00	0.00	C
ATOM	42	N9	G A	2	38.644	41.221	71.121	1.00	0.00	N
ATOM	43	C2'	G A	2	37.090	41.785	69.216	1.00	0.00	C
ATOM	44	C3'	G A	2	37.181	42.974	68.275	1.00	0.00	C
ATOM	45	O3'	G A	2	37.606	42.524	66.991	1.00	0.00	O
ATOM	46	C4'	G A	2	38.226	43.862	68.949	1.00	0.00	C

ATOM	47	O4'	G A	2	39.147	42.917	69.582	1.00	0.00	O
ATOM	48	C5'	G A	2	37.716	44.818	70.002	1.00	0.00	C
ATOM	49	O5'	G A	2	36.641	44.196	70.749	1.00	0.00	O
ATOM	50	O1P	G A	2	34.632	45.585	70.143	1.00	0.00	O
ATOM	51	O2P	G A	2	34.713	44.391	72.348	1.00	0.00	O
ATOM	52	P	G A	2	35.446	45.111	71.278	1.00	0.00	P
ATOM	53	H1	G A	2	41.846	38.187	73.486	1.00	0.00	H
ATOM	54	H8	G A	2	37.011	42.240	72.131	1.00	0.00	H
ATOM	55	H1'	G A	2	39.083	40.946	69.084	1.00	0.00	H
ATOM	56	H21	G A	2	42.986	37.729	71.671	1.00	0.00	H
ATOM	57	H3'	G A	2	36.227	43.493	68.180	1.00	0.00	H
ATOM	58	H22	G A	2	42.573	38.424	70.079	1.00	0.00	H
ATOM	59	H4'	G A	2	38.695	44.452	68.163	1.00	0.00	H
ATOM	60	H2'1	G A	2	36.395	41.978	70.034	1.00	0.00	H
ATOM	61	H2'2	G A	2	36.744	40.891	68.696	1.00	0.00	H
ATOM	62	H5'1	G A	2	38.532	45.077	70.676	1.00	0.00	H
ATOM	63	H5'2	G A	2	37.353	45.723	69.515	1.00	0.00	H
ATOM	64	C1'	G A	3	39.580	37.262	67.663	1.00	0.00	C
ATOM	65	N1	G A	3	39.827	35.704	72.514	1.00	0.00	N
ATOM	66	C2	G A	3	40.655	35.414	71.445	1.00	0.00	C
ATOM	67	N2	G A	3	41.683	34.596	71.702	1.00	0.00	N
ATOM	68	N3	G A	3	40.470	35.897	70.219	1.00	0.00	N
ATOM	69	C4	G A	3	39.377	36.701	70.139	1.00	0.00	C
ATOM	70	C5	G A	3	38.495	37.045	71.150	1.00	0.00	C
ATOM	71	C6	G A	3	38.692	36.534	72.453	1.00	0.00	C
ATOM	72	O6	G A	3	38.025	36.723	73.471	1.00	0.00	O
ATOM	73	N7	G A	3	37.502	37.893	70.655	1.00	0.00	N
ATOM	74	C8	G A	3	37.809	38.036	69.392	1.00	0.00	C
ATOM	75	N9	G A	3	38.936	37.341	69.003	1.00	0.00	N
ATOM	76	C2'	G A	3	38.590	37.228	66.507	1.00	0.00	C
ATOM	77	C3'	G A	3	39.319	38.025	65.440	1.00	0.00	C
ATOM	78	O3'	G A	3	40.213	37.163	64.739	1.00	0.00	O
ATOM	79	C4'	G A	3	40.060	39.085	66.253	1.00	0.00	C
ATOM	80	O4'	G A	3	40.393	38.409	67.507	1.00	0.00	O
ATOM	81	C5'	G A	3	39.290	40.344	66.573	1.00	0.00	C
ATOM	82	O5'	G A	3	37.900	40.020	66.822	1.00	0.00	O
ATOM	83	O1P	G A	3	36.690	41.127	64.913	1.00	0.00	O
ATOM	84	O2P	G A	3	35.512	40.755	67.096	1.00	0.00	O
ATOM	85	P	G A	3	36.776	41.064	66.384	1.00	0.00	P
ATOM	86	H1	G A	3	40.060	35.281	73.425	1.00	0.00	H
ATOM	87	H8	G A	3	37.226	38.649	68.706	1.00	0.00	H
ATOM	88	H1'	G A	3	40.228	36.386	67.648	1.00	0.00	H
ATOM	89	H21	G A	3	41.821	34.227	72.655	1.00	0.00	H
ATOM	90	H3'	G A	3	38.631	38.485	64.729	1.00	0.00	H
ATOM	91	H22	G A	3	42.335	34.338	70.949	1.00	0.00	H
ATOM	92	H4'	G A	3	40.939	39.370	65.677	1.00	0.00	H
ATOM	93	H2'1	G A	3	37.637	37.690	66.765	1.00	0.00	H
ATOM	94	H2'2	G A	3	38.380	36.212	66.171	1.00	0.00	H
ATOM	95	H5'1	G A	3	39.723	40.814	67.455	1.00	0.00	H
ATOM	96	H5'2	G A	3	39.363	41.032	65.730	1.00	0.00	H
ATOM	97	C1'	C A	4	40.685	32.437	67.819	1.00	0.00	C
ATOM	98	N1	C A	4	39.512	32.968	68.566	1.00	0.00	N
ATOM	99	C2	C A	4	39.403	32.648	69.918	1.00	0.00	C
ATOM	100	O2	C A	4	40.276	31.942	70.438	1.00	0.00	O



ATOM	101	N3	C A	4	38.343	33.123	70.617	1.00	0.00	N
ATOM	102	C4	C A	4	37.413	33.884	70.026	1.00	0.00	C
ATOM	103	N4	C A	4	36.399	34.323	70.757	1.00	0.00	N
ATOM	104	C5	C A	4	37.501	34.225	68.637	1.00	0.00	C
ATOM	105	C6	C A	4	38.577	33.740	67.954	1.00	0.00	C
ATOM	106	C2'	C A	4	40.363	32.014	66.392	1.00	0.00	C
ATOM	107	C3'	C A	4	41.634	32.400	65.651	1.00	0.00	C
ATOM	108	O3'	C A	4	42.589	31.348	65.780	1.00	0.00	O
ATOM	109	C4'	C A	4	42.074	33.671	66.373	1.00	0.00	C
ATOM	110	O4'	C A	4	41.659	33.462	67.760	1.00	0.00	O
ATOM	111	C5'	C A	4	41.473	34.966	65.879	1.00	0.00	C
ATOM	112	O5'	C A	4	40.095	34.747	65.484	1.00	0.00	O
ATOM	113	O1P	C A	4	40.131	35.141	62.998	1.00	0.00	O
ATOM	114	O2P	C A	4	38.023	35.535	64.300	1.00	0.00	O
ATOM	115	P	C A	4	39.505	35.582	64.260	1.00	0.00	P
ATOM	116	H5	C A	4	36.743	34.840	68.150	1.00	0.00	H
ATOM	117	H6	C A	4	38.689	33.977	66.896	1.00	0.00	H
ATOM	118	H1'	C A	4	41.104	31.608	68.387	1.00	0.00	H
ATOM	119	H3'	C A	4	41.447	32.591	64.594	1.00	0.00	H
ATOM	120	H4'	C A	4	43.156	33.742	66.258	1.00	0.00	H
ATOM	121	H41	C A	4	35.671	34.911	70.327	1.00	0.00	H
ATOM	122	H42	C A	4	36.338	34.075	71.756	1.00	0.00	H
ATOM	123	H2'1	C A	4	39.496	32.537	65.990	1.00	0.00	H
ATOM	124	H2'2	C A	4	40.165	30.943	66.313	1.00	0.00	H
ATOM	125	H5'1	C A	4	41.513	35.708	66.677	1.00	0.00	H
ATOM	126	H5'2	C A	4	42.048	35.325	65.026	1.00	0.00	H
ATOM	127	C1'	C A	5	40.725	27.949	69.912	1.00	0.00	C
ATOM	128	N1	C A	5	39.451	28.707	69.775	1.00	0.00	N
ATOM	129	C2	C A	5	38.664	28.868	70.912	1.00	0.00	C
ATOM	130	O2	C A	5	39.050	28.378	71.983	1.00	0.00	O
ATOM	131	N3	C A	5	37.501	29.557	70.810	1.00	0.00	N
ATOM	132	C4	C A	5	37.108	30.074	69.639	1.00	0.00	C
ATOM	133	N4	C A	5	35.965	30.740	69.597	1.00	0.00	N
ATOM	134	C5	C A	5	37.898	29.922	68.453	1.00	0.00	C
ATOM	135	C6	C A	5	39.065	29.229	68.581	1.00	0.00	C
ATOM	136	C2'	C A	5	41.045	27.066	68.713	1.00	0.00	C
ATOM	137	C3'	C A	5	42.560	27.173	68.637	1.00	0.00	C
ATOM	138	O3'	C A	5	43.141	26.224	69.529	1.00	0.00	O
ATOM	139	C4'	C A	5	42.822	28.612	69.074	1.00	0.00	C
ATOM	140	O4'	C A	5	41.773	28.889	70.055	1.00	0.00	O
ATOM	141	C5'	C A	5	42.762	29.664	67.990	1.00	0.00	C
ATOM	142	O5'	C A	5	41.718	29.328	67.040	1.00	0.00	O
ATOM	143	O1P	C A	5	42.990	28.852	64.922	1.00	0.00	O
ATOM	144	O2P	C A	5	40.623	29.674	64.805	1.00	0.00	O
ATOM	145	P	C A	5	41.932	29.699	65.504	1.00	0.00	P
ATOM	146	H5	C A	5	37.580	30.337	67.496	1.00	0.00	H
ATOM	147	H6	C A	5	39.703	29.091	67.708	1.00	0.00	H
ATOM	148	H1'	C A	5	40.675	27.362	70.828	1.00	0.00	H
ATOM	149	H3'	C A	5	42.932	26.992	67.628	1.00	0.00	H
ATOM	150	H4'	C A	5	43.824	28.635	69.502	1.00	0.00	H
ATOM	151	H41	C A	5	35.640	31.150	68.709	1.00	0.00	H
ATOM	152	H42	C A	5	35.398	30.847	70.451	1.00	0.00	H
ATOM	153	H2'1	C A	5	40.577	27.426	67.798	1.00	0.00	H
ATOM	154	H2'2	C A	5	40.726	26.034	68.863	1.00	0.00	H

ATOM	155	H5'1	C	A	5	42.549	30.633	68.443	1.00	0.00	H
ATOM	156	H5'2	C	A	5	43.723	29.708	67.481	1.00	0.00	H
ATOM	157	C1'	G	A	6	38.988	24.442	72.948	1.00	0.00	C
ATOM	158	N1	G	A	6	34.566	26.918	72.357	1.00	0.00	N
ATOM	159	C2	G	A	6	35.141	26.386	73.500	1.00	0.00	C
ATOM	160	N2	G	A	6	34.443	26.528	74.632	1.00	0.00	N
ATOM	161	N3	G	A	6	36.317	25.759	73.506	1.00	0.00	N
ATOM	162	C4	G	A	6	36.878	25.699	72.271	1.00	0.00	C
ATOM	163	C5	G	A	6	36.378	26.198	71.080	1.00	0.00	C
ATOM	164	C6	G	A	6	35.134	26.865	71.070	1.00	0.00	C
ATOM	165	O6	G	A	6	34.530	27.371	70.124	1.00	0.00	O
ATOM	166	N7	G	A	6	37.263	25.926	70.034	1.00	0.00	N
ATOM	167	C8	G	A	6	38.249	25.291	70.611	1.00	0.00	C
ATOM	168	N9	G	A	6	38.088	25.113	71.970	1.00	0.00	N
ATOM	169	C2'	G	A	6	39.680	23.205	72.396	1.00	0.00	C
ATOM	170	C3'	G	A	6	41.041	23.273	73.070	1.00	0.00	C
ATOM	171	O3'	G	A	6	40.953	22.683	74.365	1.00	0.00	O
ATOM	172	C4'	G	A	6	41.311	24.775	73.136	1.00	0.00	C
ATOM	173	O4'	G	A	6	39.988	25.371	73.321	1.00	0.00	O
ATOM	174	C5'	G	A	6	41.956	25.396	71.921	1.00	0.00	C
ATOM	175	O5'	G	A	6	41.452	24.762	70.719	1.00	0.00	O
ATOM	176	O1P	G	A	6	43.473	23.590	69.786	1.00	0.00	O
ATOM	177	O2P	G	A	6	41.632	24.330	68.250	1.00	0.00	O
ATOM	178	P	G	A	6	42.432	24.587	69.474	1.00	0.00	P
ATOM	179	H1	G	A	6	33.655	27.390	72.461	1.00	0.00	H
ATOM	180	H8	G	A	6	39.123	24.931	70.068	1.00	0.00	H
ATOM	181	H1'	G	A	6	38.406	24.201	73.838	1.00	0.00	H
ATOM	182	H21	G	A	6	33.536	27.017	74.620	1.00	0.00	H
ATOM	183	H3'	G	A	6	41.811	22.760	72.492	1.00	0.00	H
ATOM	184	H22	G	A	6	34.815	26.152	75.516	1.00	0.00	H
ATOM	185	H4'	G	A	6	41.974	24.940	73.986	1.00	0.00	H
ATOM	186	H2'1	G	A	6	39.775	23.233	71.309	1.00	0.00	H
ATOM	187	H2'2	G	A	6	39.155	22.285	72.654	1.00	0.00	H
ATOM	188	H5'1	G	A	6	41.729	26.461	71.898	1.00	0.00	H
ATOM	189	H5'2	G	A	6	43.037	25.263	71.982	1.00	0.00	H
ATOM	190	C1'	C	A	7	35.444	22.187	75.571	1.00	0.00	C
ATOM	191	N1	C	A	7	35.240	22.490	74.128	1.00	0.00	N
ATOM	192	C2	C	A	7	34.079	23.170	73.765	1.00	0.00	C
ATOM	193	O2	C	A	7	33.271	23.489	74.646	1.00	0.00	O
ATOM	194	N3	C	A	7	33.873	23.456	72.456	1.00	0.00	N
ATOM	195	C4	C	A	7	34.763	23.096	71.523	1.00	0.00	C
ATOM	196	N4	C	A	7	34.513	23.404	70.259	1.00	0.00	N
ATOM	197	C5	C	A	7	35.964	22.393	71.868	1.00	0.00	C
ATOM	198	C6	C	A	7	36.154	22.119	73.193	1.00	0.00	C
ATOM	199	C2'	C	A	7	36.085	20.829	75.828	1.00	0.00	C
ATOM	200	C3'	C	A	7	36.961	21.116	77.038	1.00	0.00	C
ATOM	201	O3'	C	A	7	36.174	21.002	78.222	1.00	0.00	O
ATOM	202	C4'	C	A	7	37.427	22.548	76.789	1.00	0.00	C
ATOM	203	O4'	C	A	7	36.300	23.182	76.103	1.00	0.00	O
ATOM	204	C5'	C	A	7	38.664	22.713	75.937	1.00	0.00	C
ATOM	205	O5'	C	A	7	38.676	21.710	74.891	1.00	0.00	O
ATOM	206	O1P	C	A	7	40.660	20.275	75.480	1.00	0.00	O
ATOM	207	O2P	C	A	7	39.910	20.463	73.093	1.00	0.00	O
ATOM	208	P	C	A	7	40.076	21.115	74.413	1.00	0.00	P

ATOM	209	H5	C A	7	36.691	22.092	71.113	1.00	0.00	H
ATOM	210	H6	C A	7	37.056	21.594	73.506	1.00	0.00	H
ATOM	211	H1'	C A	7	34.482	22.267	76.077	1.00	0.00	H
ATOM	212	H3'	C A	7	37.807	20.430	77.100	1.00	0.00	H
ATOM	213	H4'	C A	7	37.634	22.988	77.765	1.00	0.00	H
ATOM	214	H41	C A	7	35.184	23.141	69.522	1.00	0.00	H
ATOM	215	H42	C A	7	33.649	23.907	70.011	1.00	0.00	H
ATOM	216	H2'1	C A	7	36.679	20.485	74.982	1.00	0.00	H
ATOM	217	H2'2	C A	7	35.346	20.057	76.046	1.00	0.00	H
ATOM	218	H5'1	C A	7	38.664	23.710	75.493	1.00	0.00	H
ATOM	219	H5'2	C A	7	39.548	22.600	76.565	1.00	0.00	H
ATOM	220	C1'	A A	8	30.761	20.966	76.605	1.00	0.00	C
ATOM	221	N1	A A	8	30.031	21.844	71.601	1.00	0.00	N
ATOM	222	C2	A A	8	29.323	22.161	72.681	1.00	0.00	C
ATOM	223	N3	A A	8	29.571	21.907	73.948	1.00	0.00	N
ATOM	224	C4	A A	8	30.722	21.218	74.067	1.00	0.00	C
ATOM	225	C5	A A	8	31.559	20.817	73.065	1.00	0.00	C
ATOM	226	C6	A A	8	31.175	21.160	71.752	1.00	0.00	C
ATOM	227	N6	A A	8	31.898	20.833	70.667	1.00	0.00	N
ATOM	228	N7	A A	8	32.651	20.131	73.569	1.00	0.00	N
ATOM	229	C8	A A	8	32.450	20.128	74.854	1.00	0.00	C
ATOM	230	N9	A A	8	31.299	20.772	75.232	1.00	0.00	N
ATOM	231	C2'	A A	8	30.973	19.770	77.523	1.00	0.00	C
ATOM	232	C3'	A A	8	31.222	20.440	78.864	1.00	0.00	C
ATOM	233	O3'	A A	8	29.970	20.729	79.480	1.00	0.00	O
ATOM	234	C4'	A A	8	31.981	21.708	78.476	1.00	0.00	C
ATOM	235	O4'	A A	8	31.423	22.079	77.174	1.00	0.00	O
ATOM	236	C5'	A A	8	33.479	21.577	78.340	1.00	0.00	C
ATOM	237	O5'	A A	8	33.810	20.283	77.775	1.00	0.00	O
ATOM	238	O1P	A A	8	35.025	19.124	79.651	1.00	0.00	O
ATOM	239	O2P	A A	8	35.512	18.506	77.267	1.00	0.00	O
ATOM	240	P	A A	8	35.152	19.561	78.247	1.00	0.00	P
ATOM	241	H2	A A	8	28.405	22.714	72.490	1.00	0.00	H
ATOM	242	H8	A A	8	33.131	19.660	75.564	1.00	0.00	H
ATOM	243	H1'	A A	8	29.701	21.212	76.523	1.00	0.00	H
ATOM	244	H3'	A A	8	31.816	19.815	79.530	1.00	0.00	H
ATOM	245	H4'	A A	8	31.780	22.447	79.251	1.00	0.00	H
ATOM	246	H61	A A	8	31.575	21.110	69.730	1.00	0.00	H
ATOM	247	H62	A A	8	32.777	20.305	70.775	1.00	0.00	H
ATOM	248	H2'1	A A	8	31.826	19.163	77.219	1.00	0.00	H
ATOM	249	H2'2	A A	8	30.102	19.118	77.560	1.00	0.00	H
ATOM	250	H5'1	A A	8	33.849	22.369	77.688	1.00	0.00	H
ATOM	251	H5'2	A A	8	33.938	21.678	79.322	1.00	0.00	H
ATOM	252	C1'	C A	9	26.004	20.197	75.401	1.00	0.00	C
ATOM	253	N1	C A	9	27.092	19.537	74.629	1.00	0.00	N
ATOM	254	C2	C A	9	27.076	19.660	73.241	1.00	0.00	C
ATOM	255	O2	C A	9	26.163	20.306	72.710	1.00	0.00	O
ATOM	256	N3	C A	9	28.058	19.066	72.520	1.00	0.00	N
ATOM	257	C4	C A	9	29.031	18.371	73.124	1.00	0.00	C
ATOM	258	N4	C A	9	29.969	17.815	72.370	1.00	0.00	N
ATOM	259	C5	C A	9	29.072	18.225	74.550	1.00	0.00	C
ATOM	260	C6	C A	9	28.075	18.835	75.256	1.00	0.00	C
ATOM	261	C2'	C A	9	25.528	19.392	76.602	1.00	0.00	C
ATOM	262	C3'	C A	9	25.219	20.485	77.615	1.00	0.00	C

ATOM	263	O3'	C A	9	23.900	20.977	77.383	1.00	0.00	O
ATOM	264	C4'	C A	9	26.287	21.535	77.317	1.00	0.00	C
ATOM	265	O4'	C A	9	26.501	21.436	75.874	1.00	0.00	O
ATOM	266	C5'	C A	9	27.615	21.358	78.015	1.00	0.00	C
ATOM	267	O5'	C A	9	27.932	19.946	78.113	1.00	0.00	O
ATOM	268	O1P	C A	9	27.862	19.501	80.589	1.00	0.00	O
ATOM	269	O2P	C A	9	29.313	18.093	79.102	1.00	0.00	O
ATOM	270	P	C A	9	28.726	19.424	79.394	1.00	0.00	P
ATOM	271	H5	C A	9	29.860	17.655	75.045	1.00	0.00	H
ATOM	272	H6	C A	9	28.068	18.760	76.344	1.00	0.00	H
ATOM	273	H1'	C A	9	25.180	20.405	74.719	1.00	0.00	H
ATOM	274	H3'	C A	9	25.294	20.124	78.639	1.00	0.00	H
ATOM	275	H4'	C A	9	25.877	22.499	77.622	1.00	0.00	H
ATOM	276	H41	C A	9	30.730	17.277	72.809	1.00	0.00	H
ATOM	277	H42	C A	9	29.935	17.919	71.346	1.00	0.00	H
ATOM	278	H2'1	C A	9	26.293	18.713	76.975	1.00	0.00	H
ATOM	279	H2'2	C A	9	24.642	18.797	76.377	1.00	0.00	H
ATOM	280	H5'1	C A	9	28.390	21.871	77.448	1.00	0.00	H
ATOM	281	H5'2	C A	9	27.555	21.791	79.014	1.00	0.00	H
ATOM	282	C1'	C A	10	22.323	19.083	72.281	1.00	0.00	C
ATOM	283	N1	C A	10	23.512	18.195	72.394	1.00	0.00	N
ATOM	284	C2	C A	10	24.173	17.838	71.220	1.00	0.00	C
ATOM	285	O2	C A	10	23.749	18.268	70.140	1.00	0.00	O
ATOM	286	N3	C A	10	25.259	17.031	71.300	1.00	0.00	N
ATOM	287	C4	C A	10	25.696	16.579	72.484	1.00	0.00	C
ATOM	288	N4	C A	10	26.764	15.795	72.505	1.00	0.00	N
ATOM	289	C5	C A	10	25.033	16.927	73.707	1.00	0.00	C
ATOM	290	C6	C A	10	23.944	17.745	73.602	1.00	0.00	C
ATOM	291	C2'	C A	10	21.205	18.737	73.255	1.00	0.00	C
ATOM	292	C3'	C A	10	20.652	20.110	73.602	1.00	0.00	C
ATOM	293	O3'	C A	10	19.707	20.499	72.606	1.00	0.00	O
ATOM	294	C4'	C A	10	21.897	20.992	73.590	1.00	0.00	C
ATOM	295	O4'	C A	10	22.746	20.406	72.553	1.00	0.00	O
ATOM	296	C5'	C A	10	22.685	21.058	74.878	1.00	0.00	C
ATOM	297	O5'	C A	10	22.669	19.762	75.530	1.00	0.00	O
ATOM	298	O1P	C A	10	21.362	20.187	77.639	1.00	0.00	O
ATOM	299	O2P	C A	10	23.071	18.352	77.570	1.00	0.00	O
ATOM	300	P	C A	10	22.658	19.704	77.124	1.00	0.00	P
ATOM	301	H5	C A	10	25.380	16.556	74.672	1.00	0.00	H
ATOM	302	H6	C A	10	23.412	18.044	74.505	1.00	0.00	H
ATOM	303	H1'	C A	10	21.969	19.049	71.251	1.00	0.00	H
ATOM	304	H3'	C A	10	20.169	20.120	74.579	1.00	0.00	H
ATOM	305	H4'	C A	10	21.568	22.003	73.352	1.00	0.00	H
ATOM	306	H41	C A	10	27.121	15.436	73.403	1.00	0.00	H
ATOM	307	H42	C A	10	27.236	15.544	71.625	1.00	0.00	H
ATOM	308	H2'1	C A	10	21.573	18.223	74.142	1.00	0.00	H
ATOM	309	H2'2	C A	10	20.441	18.103	72.799	1.00	0.00	H
ATOM	310	H5'1	C A	10	23.714	21.345	74.656	1.00	0.00	H
ATOM	311	H5'2	C A	10	22.239	21.805	75.533	1.00	0.00	H
ATOM	312	C1'	T A	11	20.399	17.000	68.224	1.00	0.00	C
ATOM	313	N1	T A	11	21.231	16.191	69.154	1.00	0.00	N
ATOM	314	C2	T A	11	22.272	15.471	68.605	1.00	0.00	C
ATOM	315	O2	T A	11	22.523	15.479	67.412	1.00	0.00	O
ATOM	316	N3	T A	11	23.020	14.735	69.505	1.00	0.00	N

ATOM	317	C4	T A	11	22.820	14.656	70.868	1.00	0.00	C
ATOM	318	O4	T A	11	23.556	13.957	71.576	1.00	0.00	O
ATOM	319	C5	T A	11	21.708	15.442	71.349	1.00	0.00	C
ATOM	320	C6	T A	11	20.959	16.172	70.500	1.00	0.00	C
ATOM	321	C7	T A	11	21.456	15.387	72.827	1.00	0.00	C
ATOM	322	C2'	T A	11	18.916	17.008	68.574	1.00	0.00	C
ATOM	323	C3'	T A	11	18.507	18.423	68.193	1.00	0.00	C
ATOM	324	O3'	T A	11	18.210	18.466	66.799	1.00	0.00	O
ATOM	325	C4'	T A	11	19.748	19.240	68.545	1.00	0.00	C
ATOM	326	O4'	T A	11	20.866	18.335	68.276	1.00	0.00	O
ATOM	327	C5'	T A	11	19.852	19.725	69.972	1.00	0.00	C
ATOM	328	O5'	T A	11	19.316	18.721	70.870	1.00	0.00	O
ATOM	329	O1P	T A	11	17.279	19.835	71.840	1.00	0.00	O
ATOM	330	O2P	T A	11	18.486	18.068	73.150	1.00	0.00	O
ATOM	331	P	T A	11	18.563	19.198	72.191	1.00	0.00	P
ATOM	332	H3	T A	11	23.806	14.193	69.121	1.00	0.00	H
ATOM	333	H6	T A	11	20.125	16.758	70.887	1.00	0.00	H
ATOM	334	H1'	T A	11	20.559	16.628	67.211	1.00	0.00	H
ATOM	335	H3'	T A	11	17.640	18.761	68.757	1.00	0.00	H
ATOM	336	H4'	T A	11	19.744	20.117	67.894	1.00	0.00	H
ATOM	337	H71	T A	11	20.495	14.907	73.013	1.00	0.00	H
ATOM	338	H72	T A	11	22.248	14.814	73.310	1.00	0.00	H
ATOM	339	H73	T A	11	21.440	16.398	73.232	1.00	0.00	H
ATOM	340	H2'1	T A	11	18.741	16.815	69.630	1.00	0.00	H
ATOM	341	H2'2	T A	11	18.353	16.265	68.007	1.00	0.00	H
ATOM	342	H5'1	T A	11	20.898	19.914	70.211	1.00	0.00	H
ATOM	343	H5'2	T A	11	19.287	20.651	70.076	1.00	0.00	H
ATOM	344	C1'	A A	12	20.305	13.655	64.559	1.00	0.00	C
ATOM	345	N1	A A	12	22.997	10.789	67.857	1.00	0.00	N
ATOM	346	C2	A A	12	23.115	11.006	66.551	1.00	0.00	C
ATOM	347	N3	A A	12	22.385	11.764	65.759	1.00	0.00	N
ATOM	348	C4	A A	12	21.401	12.356	66.459	1.00	0.00	C
ATOM	349	C5	A A	12	21.143	12.238	67.795	1.00	0.00	C
ATOM	350	C6	A A	12	22.005	11.396	68.528	1.00	0.00	C
ATOM	351	N6	A A	12	21.875	11.183	69.850	1.00	0.00	N
ATOM	352	N7	A A	12	20.048	12.998	68.162	1.00	0.00	N
ATOM	353	C8	A A	12	19.666	13.553	67.049	1.00	0.00	C
ATOM	354	N9	A A	12	20.443	13.211	65.972	1.00	0.00	N
ATOM	355	C2'	A A	12	18.860	13.789	64.098	1.00	0.00	C
ATOM	356	C3'	A A	12	18.934	14.989	63.166	1.00	0.00	C
ATOM	357	O3'	A A	12	19.341	14.550	61.871	1.00	0.00	O
ATOM	358	C4'	A A	12	19.988	15.873	63.832	1.00	0.00	C
ATOM	359	O4'	A A	12	20.920	14.923	64.444	1.00	0.00	O
ATOM	360	C5'	A A	12	19.491	16.818	64.900	1.00	0.00	C
ATOM	361	O5'	A A	12	18.429	16.187	65.659	1.00	0.00	O
ATOM	362	O1P	A A	12	16.407	17.577	65.094	1.00	0.00	O
ATOM	363	O2P	A A	12	16.523	16.362	67.287	1.00	0.00	O
ATOM	364	P	A A	12	17.240	17.093	66.213	1.00	0.00	P
ATOM	365	H2	A A	12	23.937	10.482	66.065	1.00	0.00	H
ATOM	366	H8	A A	12	18.810	14.226	66.978	1.00	0.00	H
ATOM	367	H1'	A A	12	20.853	12.957	63.927	1.00	0.00	H
ATOM	368	H3'	A A	12	17.980	15.507	63.087	1.00	0.00	H
ATOM	369	H4'	A A	12	20.444	16.471	63.043	1.00	0.00	H
ATOM	370	H61	A A	12	22.533	10.561	70.338	1.00	0.00	H

ATOM	371	H62	A	A	12	21.115	11.644	70.372	1.00	0.00	H
ATOM	372	H2'1	A	A	12	18.176	13.973	64.925	1.00	0.00	H
ATOM	373	H2'2	A	A	12	18.509	12.901	63.574	1.00	0.00	H
ATOM	374	H5'1	A	A	12	20.317	17.072	65.564	1.00	0.00	H
ATOM	375	H5'2	A	A	12	19.118	17.726	64.429	1.00	0.00	H
ATOM	376	C1'	G	A	13	21.374	9.251	62.531	1.00	0.00	C
ATOM	377	N1	G	A	13	21.621	7.694	67.383	1.00	0.00	N
ATOM	378	C2	G	A	13	22.449	7.402	66.313	1.00	0.00	C
ATOM	379	N2	G	A	13	23.479	6.582	66.568	1.00	0.00	N
ATOM	380	N3	G	A	13	22.264	7.886	65.086	1.00	0.00	N
ATOM	381	C4	G	A	13	21.172	8.689	65.007	1.00	0.00	C
ATOM	382	C5	G	A	13	20.288	9.033	66.018	1.00	0.00	C
ATOM	383	C6	G	A	13	20.486	8.523	67.321	1.00	0.00	C
ATOM	384	O6	G	A	13	19.817	8.711	68.338	1.00	0.00	O
ATOM	385	N7	G	A	13	19.296	9.882	65.523	1.00	0.00	N
ATOM	386	C8	G	A	13	19.603	10.025	64.260	1.00	0.00	C
ATOM	387	N9	G	A	13	20.729	9.330	63.871	1.00	0.00	N
ATOM	388	C2'	G	A	13	20.383	9.217	61.375	1.00	0.00	C
ATOM	389	C3'	G	A	13	21.113	10.015	60.307	1.00	0.00	C
ATOM	390	O3'	G	A	13	22.007	9.151	59.607	1.00	0.00	O
ATOM	391	C4'	G	A	13	21.854	11.075	61.121	1.00	0.00	C
ATOM	392	O4'	G	A	13	22.186	10.398	62.375	1.00	0.00	O
ATOM	393	C5'	G	A	13	21.084	12.334	61.441	1.00	0.00	C
ATOM	394	O5'	G	A	13	19.693	12.008	61.690	1.00	0.00	O
ATOM	395	O1P	G	A	13	18.484	13.115	59.781	1.00	0.00	O
ATOM	396	O2P	G	A	13	17.306	12.744	61.964	1.00	0.00	O
ATOM	397	P	G	A	13	18.571	13.053	61.252	1.00	0.00	P
ATOM	398	H1	G	A	13	21.856	7.272	68.294	1.00	0.00	H
ATOM	399	H8	G	A	13	19.019	10.638	63.572	1.00	0.00	H
ATOM	400	H1'	G	A	13	22.022	8.375	62.516	1.00	0.00	H
ATOM	401	H21	G	A	13	23.616	6.215	67.522	1.00	0.00	H
ATOM	402	H3'	G	A	13	20.425	10.473	59.597	1.00	0.00	H
ATOM	403	H22	G	A	13	24.128	6.325	65.815	1.00	0.00	H
ATOM	404	H4'	G	A	13	22.733	11.359	60.545	1.00	0.00	H
ATOM	405	H2'1	G	A	13	19.431	9.680	61.633	1.00	0.00	H
ATOM	406	H2'2	G	A	13	20.173	8.201	61.039	1.00	0.00	H
ATOM	407	H5'1	G	A	13	21.517	12.804	62.323	1.00	0.00	H
ATOM	408	H5'2	G	A	13	21.157	13.021	60.598	1.00	0.00	H
ATOM	409	C1'	G	A	14	22.479	4.426	62.686	1.00	0.00	C
ATOM	410	N1	G	A	14	20.134	4.613	67.214	1.00	0.00	N
ATOM	411	C2	G	A	14	21.302	3.972	66.845	1.00	0.00	C
ATOM	412	N2	G	A	14	21.928	3.285	67.809	1.00	0.00	N
ATOM	413	N3	G	A	14	21.806	4.009	65.611	1.00	0.00	N
ATOM	414	C4	G	A	14	21.038	4.742	64.764	1.00	0.00	C
ATOM	415	C5	G	A	14	19.858	5.413	65.041	1.00	0.00	C
ATOM	416	C6	G	A	14	19.325	5.376	66.349	1.00	0.00	C
ATOM	417	O6	G	A	14	18.301	5.902	66.786	1.00	0.00	O
ATOM	418	N7	G	A	14	19.382	6.046	63.890	1.00	0.00	N
ATOM	419	C8	G	A	14	20.269	5.749	62.975	1.00	0.00	C
ATOM	420	N9	G	A	14	21.304	4.959	63.429	1.00	0.00	N
ATOM	421	C2'	G	A	14	22.160	4.005	61.258	1.00	0.00	C
ATOM	422	C3'	G	A	14	23.435	4.387	60.523	1.00	0.00	C
ATOM	423	O3'	G	A	14	24.387	3.334	60.655	1.00	0.00	O
ATOM	424	C4'	G	A	14	23.877	5.658	61.248	1.00	0.00	C

ATOM	425	O4'	G A	14	23.454	5.449	62.633	1.00	0.00	O
ATOM	426	C5'	G A	14	23.279	6.954	60.753	1.00	0.00	C
ATOM	427	O5'	G A	14	21.904	6.738	60.351	1.00	0.00	O
ATOM	428	O1P	G A	14	21.952	7.134	57.866	1.00	0.00	O
ATOM	429	O2P	G A	14	19.839	7.534	59.159	1.00	0.00	O
ATOM	430	P	G A	14	21.322	7.576	59.125	1.00	0.00	P
ATOM	431	H1	G A	14	19.833	4.526	68.196	1.00	0.00	H
ATOM	432	H8	G A	14	20.194	6.094	61.944	1.00	0.00	H
ATOM	433	H1'	G A	14	22.894	3.594	63.256	1.00	0.00	H
ATOM	434	H21	G A	14	21.534	3.263	68.761	1.00	0.00	H
ATOM	435	H3'	G A	14	23.255	4.580	59.465	1.00	0.00	H
ATOM	436	H22	G A	14	22.801	2.783	67.599	1.00	0.00	H
ATOM	437	H4'	G A	14	24.958	5.726	61.139	1.00	0.00	H
ATOM	438	H2'1	G A	14	21.296	4.531	60.854	1.00	0.00	H
ATOM	439	H2'2	G A	14	21.961	2.935	61.177	1.00	0.00	H
ATOM	440	H5'1	G A	14	23.320	7.695	61.551	1.00	0.00	H
ATOM	441	H5'2	G A	14	23.859	7.313	59.902	1.00	0.00	H
ATOM	442	C1'	A A	15	22.534	-0.067	64.762	1.00	0.00	C
ATOM	443	N1	A A	15	18.390	1.659	67.249	1.00	0.00	N
ATOM	444	C2	A A	15	19.447	0.954	67.644	1.00	0.00	C
ATOM	445	N3	A A	15	20.486	0.544	66.949	1.00	0.00	N
ATOM	446	C4	A A	15	20.372	0.936	65.666	1.00	0.00	C
ATOM	447	C5	A A	15	19.357	1.656	65.103	1.00	0.00	C
ATOM	448	C6	A A	15	18.305	2.035	65.964	1.00	0.00	C
ATOM	449	N6	A A	15	17.241	2.747	65.552	1.00	0.00	N
ATOM	450	N7	A A	15	19.584	1.872	63.756	1.00	0.00	N
ATOM	451	C8	A A	15	20.719	1.278	63.533	1.00	0.00	C
ATOM	452	N9	A A	15	21.259	0.687	64.647	1.00	0.00	N
ATOM	453	C2'	A A	15	22.846	-0.937	63.551	1.00	0.00	C
ATOM	454	C3'	A A	15	24.360	-0.827	63.462	1.00	0.00	C
ATOM	455	O3'	A A	15	24.949	-1.783	64.338	1.00	0.00	O
ATOM	456	C4'	A A	15	24.624	0.609	63.911	1.00	0.00	C
ATOM	457	O4'	A A	15	23.581	0.873	64.905	1.00	0.00	O
ATOM	458	C5'	A A	15	24.550	1.672	62.841	1.00	0.00	C
ATOM	459	O5'	A A	15	23.498	1.345	61.897	1.00	0.00	O
ATOM	460	O1P	A A	15	24.753	0.894	59.762	1.00	0.00	O
ATOM	461	O2P	A A	15	22.382	1.713	59.676	1.00	0.00	O
ATOM	462	P	A A	15	23.696	1.733	60.362	1.00	0.00	P
ATOM	463	H2	A A	15	19.453	0.677	68.698	1.00	0.00	H
ATOM	464	H8	A A	15	21.197	1.250	62.553	1.00	0.00	H
ATOM	465	H1'	A A	15	22.495	-0.666	65.673	1.00	0.00	H
ATOM	466	H3'	A A	15	24.723	-0.995	62.448	1.00	0.00	H
ATOM	467	H4'	A A	15	25.628	0.629	64.332	1.00	0.00	H
ATOM	468	H61	A A	15	16.501	3.000	66.223	1.00	0.00	H
ATOM	469	H62	A A	15	17.168	3.038	64.566	1.00	0.00	H
ATOM	470	H2'1	A A	15	22.366	-0.568	62.645	1.00	0.00	H
ATOM	471	H2'2	A A	15	22.531	-1.971	63.692	1.00	0.00	H
ATOM	472	H5'1	A A	15	24.340	2.635	63.307	1.00	0.00	H
ATOM	473	H5'2	A A	15	25.506	1.724	62.323	1.00	0.00	H
ATOM	474	C1'	C A	16	20.782	-3.568	67.816	1.00	0.00	C
ATOM	475	N1	C A	16	19.878	-2.897	66.844	1.00	0.00	N
ATOM	476	C2	C A	16	18.689	-2.355	67.325	1.00	0.00	C
ATOM	477	O2	C A	16	18.434	-2.453	68.532	1.00	0.00	O
ATOM	478	N3	C A	16	17.851	-1.738	66.455	1.00	0.00	N

ATOM	479	C4	C A	16	18.156	-1.649	65.155	1.00	0.00	C
ATOM	480	N4	C A	16	17.302	-1.032	64.349	1.00	0.00	N
ATOM	481	C5	C A	16	19.370	-2.201	64.629	1.00	0.00	C
ATOM	482	C6	C A	16	20.201	-2.814	65.524	1.00	0.00	C
ATOM	483	C2'	C A	16	21.470	-4.808	67.261	1.00	0.00	C
ATOM	484	C3'	C A	16	22.834	-4.740	67.930	1.00	0.00	C
ATOM	485	O3'	C A	16	22.751	-5.331	69.224	1.00	0.00	O
ATOM	486	C4'	C A	16	23.106	-3.239	67.995	1.00	0.00	C
ATOM	487	O4'	C A	16	21.785	-2.640	68.184	1.00	0.00	O
ATOM	488	C5'	C A	16	23.747	-2.619	66.775	1.00	0.00	C
ATOM	489	O5'	C A	16	23.236	-3.255	65.576	1.00	0.00	O
ATOM	490	O1P	C A	16	25.251	-4.429	64.632	1.00	0.00	O
ATOM	491	O2P	C A	16	23.403	-3.686	63.107	1.00	0.00	O
ATOM	492	P	C A	16	24.209	-3.430	64.326	1.00	0.00	P
ATOM	493	H5	C A	16	19.618	-2.136	63.569	1.00	0.00	H
ATOM	494	H6	C A	16	21.141	-3.241	65.174	1.00	0.00	H
ATOM	495	H1'	C A	16	20.204	-3.809	68.710	1.00	0.00	H
ATOM	496	H3'	C A	16	23.599	-5.254	67.346	1.00	0.00	H
ATOM	497	H4'	C A	16	23.775	-3.075	68.840	1.00	0.00	H
ATOM	498	H41	C A	16	17.512	-0.947	63.343	1.00	0.00	H
ATOM	499	H42	C A	16	16.428	-0.638	64.727	1.00	0.00	H
ATOM	500	H2'1	C A	16	21.559	-4.781	66.175	1.00	0.00	H
ATOM	501	H2'2	C A	16	20.943	-5.726	67.524	1.00	0.00	H
ATOM	502	H5'1	C A	16	23.520	-1.554	66.755	1.00	0.00	H
ATOM	503	H5'2	C A	16	24.827	-2.755	66.831	1.00	0.00	H
ATOM	504	C1'	G A	17	17.238	-5.824	70.439	1.00	0.00	C
ATOM	505	N1	G A	17	14.126	-3.680	67.012	1.00	0.00	N
ATOM	506	C2	G A	17	13.992	-3.795	68.385	1.00	0.00	C
ATOM	507	N2	G A	17	12.879	-3.271	68.913	1.00	0.00	N
ATOM	508	N3	G A	17	14.895	-4.385	69.165	1.00	0.00	N
ATOM	509	C4	G A	17	15.953	-4.866	68.460	1.00	0.00	C
ATOM	510	C5	G A	17	16.170	-4.801	67.094	1.00	0.00	C
ATOM	511	C6	G A	17	15.214	-4.171	66.264	1.00	0.00	C
ATOM	512	O6	G A	17	15.226	-4.015	65.042	1.00	0.00	O
ATOM	513	N7	G A	17	17.380	-5.415	66.767	1.00	0.00	N
ATOM	514	C8	G A	17	17.849	-5.820	67.920	1.00	0.00	C
ATOM	515	N9	G A	17	17.038	-5.524	68.996	1.00	0.00	N
ATOM	516	C2'	G A	17	17.882	-7.179	70.700	1.00	0.00	C
ATOM	517	C3'	G A	17	18.751	-6.891	71.912	1.00	0.00	C
ATOM	518	O3'	G A	17	17.961	-7.003	73.094	1.00	0.00	O
ATOM	519	C4'	G A	17	19.215	-5.456	71.662	1.00	0.00	C
ATOM	520	O4'	G A	17	18.089	-4.828	70.973	1.00	0.00	O
ATOM	521	C5'	G A	17	20.456	-5.290	70.817	1.00	0.00	C
ATOM	522	O5'	G A	17	20.474	-6.293	69.771	1.00	0.00	O
ATOM	523	O1P	G A	17	22.458	-7.721	70.371	1.00	0.00	O
ATOM	524	O2P	G A	17	21.718	-7.540	67.980	1.00	0.00	O
ATOM	525	P	G A	17	21.878	-6.886	69.301	1.00	0.00	P
ATOM	526	H1	G A	17	13.372	-3.199	66.499	1.00	0.00	H
ATOM	527	H8	G A	17	18.799	-6.347	68.021	1.00	0.00	H
ATOM	528	H1'	G A	17	16.274	-5.747	70.940	1.00	0.00	H
ATOM	529	H21	G A	17	12.186	-2.813	68.304	1.00	0.00	H
ATOM	530	H3'	G A	17	19.600	-7.572	71.978	1.00	0.00	H
ATOM	531	H22	G A	17	12.717	-3.326	69.930	1.00	0.00	H
ATOM	532	H4'	G A	17	19.416	-5.015	72.638	1.00	0.00	H



ATOM	533	H2'1	G A	17	18.479	-7.523	69.855	1.00	0.00	H
ATOM	534	H2'2	G A	17	17.143	-7.953	70.916	1.00	0.00	H
ATOM	535	H5'1	G A	17	20.454	-4.295	70.372	1.00	0.00	H
ATOM	536	H5'2	G A	17	21.337	-5.399	71.449	1.00	0.00	H
ATOM	537	C1'	G A	18	12.545	-7.038	71.450	1.00	0.00	C
ATOM	538	N1	G A	18	11.844	-6.177	66.472	1.00	0.00	N
ATOM	539	C2	G A	18	11.061	-5.816	67.554	1.00	0.00	C
ATOM	540	N2	G A	18	9.940	-5.139	67.272	1.00	0.00	N
ATOM	541	N3	G A	18	11.371	-6.108	68.814	1.00	0.00	N
ATOM	542	C4	G A	18	12.533	-6.804	68.914	1.00	0.00	C
ATOM	543	C5	G A	18	13.377	-7.210	67.893	1.00	0.00	C
ATOM	544	C6	G A	18	13.051	-6.896	66.553	1.00	0.00	C
ATOM	545	O6	G A	18	13.666	-7.167	65.521	1.00	0.00	O
ATOM	546	N7	G A	18	14.469	-7.904	68.415	1.00	0.00	N
ATOM	547	C8	G A	18	14.262	-7.894	69.707	1.00	0.00	C
ATOM	548	N9	G A	18	13.105	-7.246	70.087	1.00	0.00	N
ATOM	549	C2'	G A	18	12.740	-8.225	72.382	1.00	0.00	C
ATOM	550	C3'	G A	18	12.971	-7.544	73.721	1.00	0.00	C
ATOM	551	O3'	G A	18	11.712	-7.245	74.318	1.00	0.00	O
ATOM	552	C4'	G A	18	13.740	-6.282	73.333	1.00	0.00	C
ATOM	553	O4'	G A	18	13.202	-5.923	72.021	1.00	0.00	O
ATOM	554	C5'	G A	18	15.240	-6.419	73.219	1.00	0.00	C
ATOM	555	O5'	G A	18	15.575	-7.719	72.672	1.00	0.00	O
ATOM	556	O1P	G A	18	16.758	-8.865	74.574	1.00	0.00	O
ATOM	557	O2P	G A	18	17.277	-9.507	72.205	1.00	0.00	O
ATOM	558	P	G A	18	16.907	-8.442	73.169	1.00	0.00	P
ATOM	559	H1	G A	18	11.518	-5.895	65.534	1.00	0.00	H
ATOM	560	H8	G A	18	14.941	-8.359	70.421	1.00	0.00	H
ATOM	561	H1'	G A	18	11.487	-6.789	71.351	1.00	0.00	H
ATOM	562	H21	G A	18	9.709	-4.913	66.292	1.00	0.00	H
ATOM	563	H3'	G A	18	13.555	-8.166	74.402	1.00	0.00	H
ATOM	564	H22	G A	18	9.313	-4.845	68.032	1.00	0.00	H
ATOM	565	H4'	G A	18	13.531	-5.535	74.098	1.00	0.00	H
ATOM	566	H2'1	G A	18	13.596	-8.839	72.097	1.00	0.00	H
ATOM	567	H2'2	G A	18	11.866	-8.876	72.413	1.00	0.00	H
ATOM	568	H5'1	G A	18	15.622	-5.635	72.566	1.00	0.00	H
ATOM	569	H5'2	G A	18	15.685	-6.309	74.207	1.00	0.00	H
ATOM	570	C1'	T A	19	7.795	-7.814	70.292	1.00	0.00	C
ATOM	571	N1	T A	19	8.873	-8.467	69.502	1.00	0.00	N
ATOM	572	C2	T A	19	8.822	-8.327	68.130	1.00	0.00	C
ATOM	573	O2	T A	19	7.942	-7.700	67.564	1.00	0.00	O
ATOM	574	N3	T A	19	9.842	-8.948	67.435	1.00	0.00	N
ATOM	575	C4	T A	19	10.877	-9.680	67.976	1.00	0.00	C
ATOM	576	O4	T A	19	11.736	-10.196	67.249	1.00	0.00	O
ATOM	577	C5	T A	19	10.848	-9.773	69.417	1.00	0.00	C
ATOM	578	C6	T A	19	9.868	-9.179	70.127	1.00	0.00	C
ATOM	579	C7	T A	19	11.957	-10.558	70.048	1.00	0.00	C
ATOM	580	C2'	T A	19	7.337	-8.628	71.496	1.00	0.00	C
ATOM	581	C3'	T A	19	7.039	-7.544	72.519	1.00	0.00	C
ATOM	582	O3'	T A	19	5.718	-7.052	72.309	1.00	0.00	O
ATOM	583	C4'	T A	19	8.102	-6.491	72.215	1.00	0.00	C
ATOM	584	O4'	T A	19	8.296	-6.580	70.768	1.00	0.00	O
ATOM	585	C5'	T A	19	9.440	-6.670	72.894	1.00	0.00	C
ATOM	586	O5'	T A	19	9.762	-8.082	72.977	1.00	0.00	O

ATOM	587	O1P	T A	19	9.725	-8.545	75.450	1.00	0.00	O
ATOM	588	O2P	T A	19	11.157	-9.939	73.933	1.00	0.00	O
ATOM	589	P	T A	19	10.572	-8.613	74.243	1.00	0.00	P
ATOM	590	H3	T A	19	9.828	-8.854	66.409	1.00	0.00	H
ATOM	591	H6	T A	19	9.866	-9.262	71.213	1.00	0.00	H
ATOM	592	H1'	T A	19	6.961	-7.604	69.623	1.00	0.00	H
ATOM	593	H3'	T A	19	7.130	-7.912	73.541	1.00	0.00	H
ATOM	594	H4'	T A	19	7.695	-5.530	72.532	1.00	0.00	H
ATOM	595	H71	T A	19	11.547	-11.449	70.524	1.00	0.00	H
ATOM	596	H72	T A	19	12.675	-10.854	69.282	1.00	0.00	H
ATOM	597	H73	T A	19	12.458	-9.945	70.799	1.00	0.00	H
ATOM	598	H2'1	T A	19	8.110	-9.309	71.851	1.00	0.00	H
ATOM	599	H2'2	T A	19	6.450	-9.225	71.278	1.00	0.00	H
ATOM	600	H5'1	T A	19	10.207	-6.151	72.320	1.00	0.00	H
ATOM	601	H5'2	T A	19	9.393	-6.245	73.895	1.00	0.00	H
ATOM	602	C01	LNK A	20	2.424	-8.382	73.424	0.00	0.00	C
ATOM	603	O1	LNK A	20	3.848	-8.474	73.322	1.00	0.00	O
ATOM	604	S	LNK A	20	-0.631	-10.538	74.789	0.00	0.00	S
ATOM	605	C02	LNK A	20	1.879	-9.649	74.112	0.00	0.00	C
ATOM	606	C03	LNK A	20	0.530	-10.036	73.479	0.00	0.00	C
ATOM	607	O1P	LNK A	20	5.270	-9.532	71.535	1.00	0.00	O
ATOM	608	O2P	LNK A	20	3.504	-7.861	70.909	1.00	0.00	O
ATOM	609	P	LNK A	20	4.527	-8.306	71.888	1.00	0.00	P
ATOM	610	H01	LNK A	20	1.992	-8.295	72.429	0.00	0.00	H
ATOM	611	H02	LNK A	20	2.157	-7.506	74.016	0.00	0.00	H
ATOM	612	H03	LNK A	20	0.677	-10.865	72.787	0.00	0.00	H
ATOM	613	H04	LNK A	20	1.741	-9.455	75.176	0.00	0.00	H
ATOM	614	H05	LNK A	20	2.589	-10.467	73.982	0.00	0.00	H
ATOM	615	H06	LNK A	20	0.122	-9.180	72.941	0.00	0.00	H
ATOM	616	AU	LNK A	20	-1.196	-10.804	74.505			
TER										
ATOM	618	C1'	A B	2	9.160	-7.857	59.474	1.00	0.00	C
ATOM	619	N1	A B	2	9.816	-8.696	64.495	1.00	0.00	N
ATOM	620	C2	A B	2	8.896	-8.024	63.810	1.00	0.00	C
ATOM	621	N3	A B	2	8.784	-7.849	62.510	1.00	0.00	N
ATOM	622	C4	A B	2	9.790	-8.470	61.868	1.00	0.00	C
ATOM	623	C5	A B	2	10.807	-9.196	62.422	1.00	0.00	C
ATOM	624	C6	A B	2	10.807	-9.306	63.828	1.00	0.00	C
ATOM	625	N6	A B	2	11.741	-9.989	64.512	1.00	0.00	N
ATOM	626	N7	A B	2	11.657	-9.689	61.447	1.00	0.00	N
ATOM	627	C8	A B	2	11.144	-9.251	60.336	1.00	0.00	C
ATOM	628	N9	A B	2	10.008	-8.506	60.513	1.00	0.00	N
ATOM	629	C2'	A B	2	9.954	-7.272	58.314	1.00	0.00	C
ATOM	630	C3'	A B	2	9.029	-7.529	57.136	1.00	0.00	C
ATOM	631	O3'	A B	2	8.071	-6.476	57.055	1.00	0.00	O
ATOM	632	C4'	A B	2	8.385	-8.867	57.494	1.00	0.00	C
ATOM	633	O4'	A B	2	8.287	-8.841	58.955	1.00	0.00	O
ATOM	634	C5'	A B	2	9.143	-10.107	57.083	1.00	0.00	C
ATOM	635	O5'	A B	2	10.569	-9.881	57.224	1.00	0.00	O
ATOM	636	H2	A B	2	8.123	-7.547	64.410	1.00	0.00	H
ATOM	637	H8	A B	2	11.577	-9.457	59.356	1.00	0.00	H
ATOM	638	H1'	A B	2	8.555	-7.090	59.959	1.00	0.00	H
ATOM	639	H3'	A B	2	9.574	-7.594	56.194	1.00	0.00	H
ATOM	640	H4'	A B	2	7.414	-8.893	57.003	1.00	0.00	H

ATOM	641	H61	A B	2	11.693	-10.040	65.537	1.00	0.00	H
ATOM	642	H62	A B	2	12.507	-10.460	64.005	1.00	0.00	H
ATOM	643	H2'1	A B	2	10.916	-7.767	58.178	1.00	0.00	H
ATOM	644	H2'2	A B	2	10.148	-6.206	58.441	1.00	0.00	H
ATOM	645	H5'1	A B	2	8.838	-10.939	57.718	1.00	0.00	H
ATOM	646	H5'2	A B	2	8.908	-10.343	56.046	1.00	0.00	H
ATOM	647	C1'	C B	3	8.305	-3.689	62.035	1.00	0.00	C
ATOM	648	N1	C B	3	9.565	-4.455	62.238	1.00	0.00	N
ATOM	649	C2	C B	3	9.927	-4.784	63.543	1.00	0.00	C
ATOM	650	O2	C B	3	9.190	-4.430	64.473	1.00	0.00	O
ATOM	651	N3	C B	3	11.070	-5.480	63.750	1.00	0.00	N
ATOM	652	C4	C B	3	11.846	-5.849	62.723	1.00	0.00	C
ATOM	653	N4	C B	3	12.953	-6.532	62.983	1.00	0.00	N
ATOM	654	C5	C B	3	11.504	-5.521	61.369	1.00	0.00	C
ATOM	655	C6	C B	3	10.344	-4.822	61.184	1.00	0.00	C
ATOM	656	C2'	C B	3	8.391	-2.648	60.927	1.00	0.00	C
ATOM	657	C3'	C B	3	6.994	-2.705	60.329	1.00	0.00	C
ATOM	658	O3'	C B	3	6.125	-1.869	61.090	1.00	0.00	O
ATOM	659	C4'	C B	3	6.631	-4.183	60.456	1.00	0.00	C
ATOM	660	O4'	C B	3	7.292	-4.614	61.688	1.00	0.00	O
ATOM	661	C5'	C B	3	7.078	-5.083	59.328	1.00	0.00	C
ATOM	662	O5'	C B	3	8.373	-4.651	58.840	1.00	0.00	O
ATOM	663	O1P	C B	3	7.883	-3.867	56.499	1.00	0.00	O
ATOM	664	O2P	C B	3	10.167	-4.727	57.082	1.00	0.00	O
ATOM	665	P	C B	3	8.701	-4.810	57.289	1.00	0.00	P
ATOM	666	H5	C B	3	12.136	-5.812	60.531	1.00	0.00	H
ATOM	667	H6	C B	3	10.038	-4.556	60.173	1.00	0.00	H
ATOM	668	H1'	C B	3	8.030	-3.229	62.984	1.00	0.00	H
ATOM	669	H3'	C B	3	6.983	-2.385	59.288	1.00	0.00	H
ATOM	670	H4'	C B	3	5.544	-4.239	60.513	1.00	0.00	H
ATOM	671	H41	C B	3	13.567	-6.831	62.210	1.00	0.00	H
ATOM	672	H42	C B	3	13.199	-6.766	63.955	1.00	0.00	H
ATOM	673	H2'1	C B	3	9.151	-2.894	60.186	1.00	0.00	H
ATOM	674	H2'2	C B	3	8.619	-1.653	61.312	1.00	0.00	H
ATOM	675	H5'1	C B	3	7.145	-6.109	59.692	1.00	0.00	H
ATOM	676	H5'2	C B	3	6.348	-5.037	58.522	1.00	0.00	H
ATOM	677	C1'	C B	4	8.827	-0.661	65.919	1.00	0.00	C
ATOM	678	N1	C B	4	10.021	-1.220	65.230	1.00	0.00	N
ATOM	679	C2	C B	4	10.990	-1.849	66.008	1.00	0.00	C
ATOM	680	O2	C B	4	10.820	-1.917	67.233	1.00	0.00	O
ATOM	681	N3	C B	4	12.086	-2.364	65.402	1.00	0.00	N
ATOM	682	C4	C B	4	12.243	-2.276	64.073	1.00	0.00	C
ATOM	683	N4	C B	4	13.332	-2.800	63.530	1.00	0.00	N
ATOM	684	C5	C B	4	11.265	-1.630	63.247	1.00	0.00	C
ATOM	685	C6	C B	4	10.167	-1.122	63.880	1.00	0.00	C
ATOM	686	C2'	C B	4	8.341	0.657	65.332	1.00	0.00	C
ATOM	687	C3'	C B	4	6.832	0.534	65.485	1.00	0.00	C
ATOM	688	O3'	C B	4	6.459	0.946	66.798	1.00	0.00	O
ATOM	689	C4'	C B	4	6.587	-0.956	65.256	1.00	0.00	C
ATOM	690	O4'	C B	4	7.781	-1.606	65.800	1.00	0.00	O
ATOM	691	C5'	C B	4	6.411	-1.395	63.820	1.00	0.00	C
ATOM	692	O5'	C B	4	7.284	-0.619	62.960	1.00	0.00	O
ATOM	693	O1P	C B	4	5.680	0.716	61.555	1.00	0.00	O
ATOM	694	O2P	C B	4	7.952	0.137	60.659	1.00	0.00	O

ATOM	695	P	C B	4	6.787	-0.257	61.490	1.00	0.00	P
ATOM	696	H5	C B	4	11.391	-1.548	62.167	1.00	0.00	H
ATOM	697	H6	C B	4	9.392	-0.629	63.293	1.00	0.00	H
ATOM	698	H1'	C B	4	9.063	-0.554	66.978	1.00	0.00	H
ATOM	699	H3'	C B	4	6.297	1.138	64.751	1.00	0.00	H
ATOM	700	H4'	C B	4	5.677	-1.215	65.797	1.00	0.00	H
ATOM	701	H41	C B	4	13.475	-2.748	62.511	1.00	0.00	H
ATOM	702	H42	C B	4	14.035	-3.261	64.126	1.00	0.00	H
ATOM	703	H2'1	C B	4	8.624	0.774	64.287	1.00	0.00	H
ATOM	704	H2'2	C B	4	8.726	1.519	65.876	1.00	0.00	H
ATOM	705	H5'1	C B	4	6.656	-2.453	63.737	1.00	0.00	H
ATOM	706	H5'2	C B	4	5.374	-1.242	63.526	1.00	0.00	H
ATOM	707	C1'	G B	5	11.218	1.140	69.863	1.00	0.00	C
ATOM	708	N1	G B	5	15.357	-0.602	67.440	1.00	0.00	N
ATOM	709	C2	G B	5	15.017	-0.672	68.780	1.00	0.00	C
ATOM	710	N2	G B	5	15.896	-1.287	69.580	1.00	0.00	N
ATOM	711	N3	G B	5	13.888	-0.170	69.280	1.00	0.00	N
ATOM	712	C4	G B	5	13.120	0.421	68.328	1.00	0.00	C
ATOM	713	C5	G B	5	13.381	0.543	66.973	1.00	0.00	C
ATOM	714	C6	G B	5	14.575	0.007	66.441	1.00	0.00	C
ATOM	715	O6	G B	5	14.978	0.016	65.278	1.00	0.00	O
ATOM	716	N7	G B	5	12.337	1.223	66.341	1.00	0.00	N
ATOM	717	C8	G B	5	11.495	1.483	67.308	1.00	0.00	C
ATOM	718	N9	G B	5	11.903	1.029	68.546	1.00	0.00	N
ATOM	719	C2'	G B	5	10.494	2.463	70.068	1.00	0.00	C
ATOM	720	C3'	G B	5	9.272	2.036	70.865	1.00	0.00	C
ATOM	721	O3'	G B	5	9.613	1.974	72.248	1.00	0.00	O
ATOM	722	C4'	G B	5	8.953	0.658	70.287	1.00	0.00	C
ATOM	723	O4'	G B	5	10.262	0.102	69.943	1.00	0.00	O
ATOM	724	C5'	G B	5	8.077	0.633	69.057	1.00	0.00	C
ATOM	725	O5'	G B	5	8.389	1.766	68.210	1.00	0.00	O
ATOM	726	O1P	G B	5	6.286	3.146	68.284	1.00	0.00	O
ATOM	727	O2P	G B	5	7.794	3.266	66.283	1.00	0.00	O
ATOM	728	P	G B	5	7.212	2.447	67.374	1.00	0.00	P
ATOM	729	H1	G B	5	16.251	-1.029	67.154	1.00	0.00	H
ATOM	730	H8	G B	5	10.556	2.013	67.152	1.00	0.00	H
ATOM	731	H1'	G B	5	11.957	0.975	70.647	1.00	0.00	H
ATOM	732	H21	G B	5	16.764	-1.675	69.186	1.00	0.00	H
ATOM	733	H3'	G B	5	8.434	2.723	70.730	1.00	0.00	H
ATOM	734	H22	G B	5	15.704	-1.370	70.589	1.00	0.00	H
ATOM	735	H4'	G B	5	8.446	0.096	71.070	1.00	0.00	H
ATOM	736	H2'1	G B	5	10.209	2.929	69.124	1.00	0.00	H
ATOM	737	H2'2	G B	5	11.096	3.185	70.620	1.00	0.00	H
ATOM	738	H5'1	G B	5	8.253	-0.295	68.513	1.00	0.00	H
ATOM	739	H5'2	G B	5	7.031	0.677	69.362	1.00	0.00	H
ATOM	740	C1'	T B	6	15.246	2.102	72.577	1.00	0.00	C
ATOM	741	N1	T B	6	15.200	2.489	71.141	1.00	0.00	N
ATOM	742	C2	T B	6	16.258	2.089	70.348	1.00	0.00	C
ATOM	743	O2	T B	6	17.201	1.450	70.778	1.00	0.00	O
ATOM	744	N3	T B	6	16.174	2.470	69.020	1.00	0.00	N
ATOM	745	C4	T B	6	15.158	3.194	68.435	1.00	0.00	C
ATOM	746	O4	T B	6	15.195	3.478	67.232	1.00	0.00	O
ATOM	747	C5	T B	6	14.098	3.564	69.342	1.00	0.00	C
ATOM	748	C6	T B	6	14.145	3.210	70.642	1.00	0.00	C

ATOM	749	C7	T B	6	12.969	4.351	68.746	1.00	0.00	C
ATOM	750	C2'	T B	6	14.706	3.173	73.516	1.00	0.00	C
ATOM	751	C3'	T B	6	14.031	2.336	74.594	1.00	0.00	C
ATOM	752	O3'	T B	6	15.004	1.939	75.557	1.00	0.00	O
ATOM	753	C4'	T B	6	13.478	1.150	73.807	1.00	0.00	C
ATOM	754	O4'	T B	6	14.453	0.942	72.737	1.00	0.00	O
ATOM	755	C5'	T B	6	12.112	1.334	73.186	1.00	0.00	C
ATOM	756	O5'	T B	6	11.966	2.700	72.720	1.00	0.00	O
ATOM	757	O1P	T B	6	10.162	3.631	74.207	1.00	0.00	O
ATOM	758	O2P	T B	6	10.499	4.569	71.904	1.00	0.00	O
ATOM	759	P	T B	6	10.528	3.386	72.797	1.00	0.00	P
ATOM	760	H3	T B	6	16.950	2.181	68.406	1.00	0.00	H
ATOM	761	H6	T B	6	13.332	3.502	71.307	1.00	0.00	H
ATOM	762	H1'	T B	6	16.274	1.843	72.829	1.00	0.00	H
ATOM	763	H3'	T B	6	13.232	2.884	75.093	1.00	0.00	H
ATOM	764	H4'	T B	6	13.417	0.311	74.500	1.00	0.00	H
ATOM	765	H71	T B	6	12.953	5.351	69.182	1.00	0.00	H
ATOM	766	H72	T B	6	13.107	4.426	67.668	1.00	0.00	H
ATOM	767	H73	T B	6	12.024	3.849	68.958	1.00	0.00	H
ATOM	768	H2'1	T B	6	13.996	3.834	73.024	1.00	0.00	H
ATOM	769	H2'2	T B	6	15.498	3.793	73.935	1.00	0.00	H
ATOM	770	H5'1	T B	6	12.003	0.644	72.349	1.00	0.00	H
ATOM	771	H5'2	T B	6	11.349	1.116	73.932	1.00	0.00	H
ATOM	772	C1'	C B	7	20.109	2.913	73.172	1.00	0.00	C
ATOM	773	N1	C B	7	19.328	3.694	72.170	1.00	0.00	N
ATOM	774	C2	C B	7	19.819	3.759	70.868	1.00	0.00	C
ATOM	775	O2	C B	7	20.874	3.169	70.597	1.00	0.00	O
ATOM	776	N3	C B	7	19.125	4.464	69.942	1.00	0.00	N
ATOM	777	C4	C B	7	17.987	5.092	70.267	1.00	0.00	C
ATOM	778	N4	C B	7	17.347	5.764	69.322	1.00	0.00	N
ATOM	779	C5	C B	7	17.461	5.047	71.600	1.00	0.00	C
ATOM	780	C6	C B	7	18.176	4.326	72.514	1.00	0.00	C
ATOM	781	C2'	C B	7	20.128	3.540	74.558	1.00	0.00	C
ATOM	782	C3'	C B	7	20.105	2.315	75.459	1.00	0.00	C
ATOM	783	O3'	C B	7	21.435	1.831	75.625	1.00	0.00	O
ATOM	784	C4'	C B	7	19.227	1.337	74.682	1.00	0.00	C
ATOM	785	O4'	C B	7	19.512	1.633	73.278	1.00	0.00	O
ATOM	786	C5'	C B	7	17.736	1.449	74.906	1.00	0.00	C
ATOM	787	O5'	C B	7	17.370	2.840	75.075	1.00	0.00	O
ATOM	788	O1P	C B	7	16.585	2.950	77.464	1.00	0.00	O
ATOM	789	O2P	C B	7	15.689	4.573	75.775	1.00	0.00	O
ATOM	790	P	C B	7	16.175	3.204	76.070	1.00	0.00	P
ATOM	791	H5	C B	7	16.540	5.563	71.870	1.00	0.00	H
ATOM	792	H6	C B	7	17.812	4.256	73.540	1.00	0.00	H
ATOM	793	H1'	C B	7	21.120	2.781	72.787	1.00	0.00	H
ATOM	794	H3'	C B	7	19.676	2.537	76.438	1.00	0.00	H
ATOM	795	H4'	C B	7	19.532	0.333	74.976	1.00	0.00	H
ATOM	796	H41	C B	7	16.468	6.254	69.544	1.00	0.00	H
ATOM	797	H42	C B	7	17.728	5.797	68.363	1.00	0.00	H
ATOM	798	H2'1	C B	7	19.265	4.180	74.736	1.00	0.00	H
ATOM	799	H2'2	C B	7	21.022	4.141	74.728	1.00	0.00	H
ATOM	800	H5'1	C B	7	17.213	1.032	74.045	1.00	0.00	H
ATOM	801	H5'2	C B	7	17.465	0.886	75.797	1.00	0.00	H
ATOM	802	C1'	C B	8	24.602	4.348	71.661	1.00	0.00	C

ATOM	803	N1	C B	8	23.423	5.238	71.481	1.00	0.00	N
ATOM	804	C2	C B	8	23.191	5.766	70.212	1.00	0.00	C
ATOM	805	O2	C B	8	23.968	5.474	69.295	1.00	0.00	O
ATOM	806	N3	C B	8	22.123	6.578	70.027	1.00	0.00	N
ATOM	807	C4	C B	8	21.300	6.875	71.041	1.00	0.00	C
ATOM	808	N4	C B	8	20.268	7.672	70.802	1.00	0.00	N
ATOM	809	C5	C B	8	21.515	6.352	72.359	1.00	0.00	C
ATOM	810	C6	C B	8	22.596	5.530	72.521	1.00	0.00	C
ATOM	811	C2'	C B	8	25.314	4.534	72.995	1.00	0.00	C
ATOM	812	C3'	C B	8	25.752	3.115	73.322	1.00	0.00	C
ATOM	813	O3'	C B	8	26.987	2.843	72.664	1.00	0.00	O
ATOM	814	C4'	C B	8	24.605	2.270	72.770	1.00	0.00	C
ATOM	815	O4'	C B	8	24.145	3.010	71.594	1.00	0.00	O
ATOM	816	C5'	C B	8	23.430	2.049	73.692	1.00	0.00	C
ATOM	817	O5'	C B	8	23.192	3.245	74.478	1.00	0.00	O
ATOM	818	O1P	C B	8	23.714	2.510	76.828	1.00	0.00	O
ATOM	819	O2P	C B	8	22.084	4.376	76.429	1.00	0.00	O
ATOM	820	P	C B	8	22.659	3.087	75.972	1.00	0.00	P
ATOM	821	H5	C B	8	20.853	6.597	73.189	1.00	0.00	H
ATOM	822	H6	C B	8	22.796	5.102	73.503	1.00	0.00	H
ATOM	823	H1'	C B	8	25.284	4.512	70.828	1.00	0.00	H
ATOM	824	H3'	C B	8	25.872	2.962	74.394	1.00	0.00	H
ATOM	825	H4'	C B	8	25.022	1.293	72.524	1.00	0.00	H
ATOM	826	H41	C B	8	19.618	7.915	71.565	1.00	0.00	H
ATOM	827	H42	C B	8	20.117	8.050	69.856	1.00	0.00	H
ATOM	828	H2'1	C B	8	24.655	4.933	73.763	1.00	0.00	H
ATOM	829	H2'2	C B	8	26.170	5.206	72.914	1.00	0.00	H
ATOM	830	H5'1	C B	8	22.545	1.818	73.098	1.00	0.00	H
ATOM	831	H5'2	C B	8	23.646	1.212	74.353	1.00	0.00	H
ATOM	832	C1'	T B	9	27.737	6.908	68.814	1.00	0.00	C
ATOM	833	N1	T B	9	26.619	7.602	69.506	1.00	0.00	N
ATOM	834	C2	T B	9	25.809	8.413	68.738	1.00	0.00	C
ATOM	835	O2	T B	9	25.980	8.572	67.543	1.00	0.00	O
ATOM	836	N3	T B	9	24.781	9.037	69.422	1.00	0.00	N
ATOM	837	C4	T B	9	24.505	8.927	70.767	1.00	0.00	C
ATOM	838	O4	T B	9	23.555	9.540	71.270	1.00	0.00	O
ATOM	839	C5	T B	9	25.405	8.057	71.487	1.00	0.00	C
ATOM	840	C6	T B	9	26.416	7.432	70.854	1.00	0.00	C
ATOM	841	C7	T B	9	25.138	7.907	72.955	1.00	0.00	C
ATOM	842	C2'	T B	9	29.013	6.818	69.644	1.00	0.00	C
ATOM	843	C3'	T B	9	29.561	5.459	69.236	1.00	0.00	C
ATOM	844	O3'	T B	9	30.317	5.599	68.037	1.00	0.00	O
ATOM	845	C4'	T B	9	28.296	4.630	69.031	1.00	0.00	C
ATOM	846	O4'	T B	9	27.315	5.590	68.522	1.00	0.00	O
ATOM	847	C5'	T B	9	27.724	3.959	70.258	1.00	0.00	C
ATOM	848	O5'	T B	9	27.898	4.819	71.412	1.00	0.00	O
ATOM	849	O1P	T B	9	29.510	3.537	72.858	1.00	0.00	O
ATOM	850	O2P	T B	9	27.885	5.138	73.904	1.00	0.00	O
ATOM	851	P	T B	9	28.166	4.151	72.835	1.00	0.00	P
ATOM	852	H3	T B	9	24.161	9.645	68.869	1.00	0.00	H
ATOM	853	H6	T B	9	27.082	6.780	71.418	1.00	0.00	H
ATOM	854	H1'	T B	9	27.923	7.416	67.868	1.00	0.00	H
ATOM	855	H3'	T B	9	30.192	5.027	70.013	1.00	0.00	H
ATOM	856	H4'	T B	9	28.542	3.850	68.309	1.00	0.00	H

ATOM	857	H71	T B	9	25.965	8.334	73.521	1.00	0.00	H
ATOM	858	H72	T B	9	24.214	8.426	73.213	1.00	0.00	H
ATOM	859	H73	T B	9	25.039	6.847	73.199	1.00	0.00	H
ATOM	860	H2'1	T B	9	28.813	6.862	70.713	1.00	0.00	H
ATOM	861	H2'2	T B	9	29.716	7.617	69.409	1.00	0.00	H
ATOM	862	H5'1	T B	9	26.664	3.763	70.099	1.00	0.00	H
ATOM	863	H5'2	T B	9	28.242	3.015	70.422	1.00	0.00	H
ATOM	864	C1'	A B	10	28.991	10.709	65.879	1.00	0.00	C
ATOM	865	N1	A B	10	25.271	13.168	68.421	1.00	0.00	N
ATOM	866	C2	A B	10	25.610	13.132	67.135	1.00	0.00	C
ATOM	867	N3	A B	10	26.583	12.473	66.545	1.00	0.00	N
ATOM	868	C4	A B	10	27.283	11.765	67.450	1.00	0.00	C
ATOM	869	C5	A B	10	27.067	11.695	68.799	1.00	0.00	C
ATOM	870	C6	A B	10	25.988	12.451	69.300	1.00	0.00	C
ATOM	871	N6	A B	10	25.656	12.479	70.604	1.00	0.00	N
ATOM	872	N7	A B	10	27.990	10.864	69.409	1.00	0.00	N
ATOM	873	C8	A B	10	28.740	10.457	68.428	1.00	0.00	C
ATOM	874	N9	A B	10	28.369	10.961	67.208	1.00	0.00	N
ATOM	875	C2'	A B	10	30.508	10.603	65.924	1.00	0.00	C
ATOM	876	C3'	A B	10	30.784	9.543	64.869	1.00	0.00	C
ATOM	877	O3'	A B	10	30.832	10.162	63.585	1.00	0.00	O
ATOM	878	C4'	A B	10	29.587	8.603	65.011	1.00	0.00	C
ATOM	879	O4'	A B	10	28.481	9.484	65.391	1.00	0.00	O
ATOM	880	C5'	A B	10	29.712	7.510	66.045	1.00	0.00	C
ATOM	881	O5'	A B	10	30.438	8.005	67.199	1.00	0.00	O
ATOM	882	O1P	A B	10	32.562	6.656	67.173	1.00	0.00	O
ATOM	883	O2P	A B	10	31.678	7.564	69.338	1.00	0.00	O
ATOM	884	P	A B	10	31.388	7.003	67.996	1.00	0.00	P
ATOM	885	H2	A B	10	24.991	13.739	66.475	1.00	0.00	H
ATOM	886	H8	A B	10	29.583	9.780	68.563	1.00	0.00	H
ATOM	887	H1'	A B	10	28.674	11.500	65.200	1.00	0.00	H
ATOM	888	H3'	A B	10	31.720	9.017	65.052	1.00	0.00	H
ATOM	889	H4'	A B	10	29.440	8.129	64.041	1.00	0.00	H
ATOM	890	H61	A B	10	24.857	13.046	70.918	1.00	0.00	H
ATOM	891	H62	A B	10	26.202	11.933	71.285	1.00	0.00	H
ATOM	892	H2'1	A B	10	30.874	10.291	66.902	1.00	0.00	H
ATOM	893	H2'2	A B	10	30.997	11.545	65.675	1.00	0.00	H
ATOM	894	H5'1	A B	10	28.715	7.188	66.348	1.00	0.00	H
ATOM	895	H5'2	A B	10	30.244	6.665	65.611	1.00	0.00	H
ATOM	896	C1'	G B	11	28.570	15.368	64.217	1.00	0.00	C
ATOM	897	N1	G B	11	26.653	16.267	68.859	1.00	0.00	N
ATOM	898	C2	G B	11	26.233	16.721	67.621	1.00	0.00	C
ATOM	899	N2	G B	11	25.160	17.522	67.621	1.00	0.00	N
ATOM	900	N3	G B	11	26.834	16.400	66.477	1.00	0.00	N
ATOM	901	C4	G B	11	27.906	15.587	66.667	1.00	0.00	C
ATOM	902	C5	G B	11	28.400	15.089	67.860	1.00	0.00	C
ATOM	903	C6	G B	11	27.762	15.425	69.076	1.00	0.00	C
ATOM	904	O6	G B	11	28.049	15.086	70.224	1.00	0.00	O
ATOM	905	N7	G B	11	29.521	14.289	67.622	1.00	0.00	N
ATOM	906	C8	G B	11	29.664	14.325	66.322	1.00	0.00	C
ATOM	907	N9	G B	11	28.722	15.094	65.672	1.00	0.00	N
ATOM	908	C2'	G B	11	29.893	15.532	63.482	1.00	0.00	C
ATOM	909	C3'	G B	11	29.587	14.903	62.133	1.00	0.00	C
ATOM	910	O3'	G B	11	28.966	15.875	61.294	1.00	0.00	O

ATOM	911	C4'	G B	11	28.637	13.763	62.496	1.00	0.00	C
ATOM	912	O4'	G B	11	27.884	14.274	63.641	1.00	0.00	O
ATOM	913	C5'	G B	11	29.281	12.453	62.886	1.00	0.00	C
ATOM	914	O5'	G B	11	30.496	12.706	63.634	1.00	0.00	O
ATOM	915	O1P	G B	11	32.306	11.836	62.118	1.00	0.00	O
ATOM	916	O2P	G B	11	32.663	11.881	64.600	1.00	0.00	O
ATOM	917	P	G B	11	31.724	11.703	63.467	1.00	0.00	P
ATOM	918	H1	G B	11	26.115	16.568	69.684	1.00	0.00	H
ATOM	919	H8	G B	11	30.460	13.795	65.800	1.00	0.00	H
ATOM	920	H1'	G B	11	27.945	16.255	64.099	1.00	0.00	H
ATOM	921	H21	G B	11	24.699	17.763	68.510	1.00	0.00	H
ATOM	922	H3'	G B	11	30.485	14.526	61.644	1.00	0.00	H
ATOM	923	H22	G B	11	24.799	17.897	66.733	1.00	0.00	H
ATOM	924	H4'	G B	11	28.013	13.580	61.622	1.00	0.00	H
ATOM	925	H2'1	G B	11	30.712	15.016	63.984	1.00	0.00	H
ATOM	926	H2'2	G B	11	30.181	16.578	63.377	1.00	0.00	H
ATOM	927	H5'1	G B	11	28.584	11.881	63.498	1.00	0.00	H
ATOM	928	H5'2	G B	11	29.514	11.888	61.984	1.00	0.00	H
ATOM	929	C1'	G B	12	27.365	20.154	64.632	1.00	0.00	C
ATOM	930	N1	G B	12	28.038	19.306	69.617	1.00	0.00	N
ATOM	931	C2	G B	12	27.051	20.022	68.962	1.00	0.00	C
ATOM	932	N2	G B	12	26.120	20.589	69.741	1.00	0.00	N
ATOM	933	N3	G B	12	26.997	20.160	67.640	1.00	0.00	N
ATOM	934	C4	G B	12	28.022	19.528	67.012	1.00	0.00	C
ATOM	935	C5	G B	12	29.050	18.796	67.579	1.00	0.00	C
ATOM	936	C6	G B	12	29.108	18.645	68.983	1.00	0.00	C
ATOM	937	O6	G B	12	29.934	18.040	69.667	1.00	0.00	O
ATOM	938	N7	G B	12	29.903	18.309	66.585	1.00	0.00	N
ATOM	939	C8	G B	12	29.374	18.748	65.473	1.00	0.00	C
ATOM	940	N9	G B	12	28.230	19.498	65.650	1.00	0.00	N
ATOM	941	C2'	G B	12	28.139	20.754	63.466	1.00	0.00	C
ATOM	942	C3'	G B	12	27.198	20.504	62.297	1.00	0.00	C
ATOM	943	O3'	G B	12	26.235	21.555	62.239	1.00	0.00	O
ATOM	944	C4'	G B	12	26.565	19.160	62.652	1.00	0.00	C
ATOM	945	O4'	G B	12	26.487	19.174	64.114	1.00	0.00	O
ATOM	946	C5'	G B	12	27.322	17.926	62.220	1.00	0.00	C
ATOM	947	O5'	G B	12	28.747	18.158	62.342	1.00	0.00	O
ATOM	948	O1P	G B	12	29.553	18.099	59.958	1.00	0.00	O
ATOM	949	O2P	G B	12	31.110	17.477	61.825	1.00	0.00	O
ATOM	950	P	G B	12	29.729	17.477	61.286	1.00	0.00	P
ATOM	951	H1	G B	12	27.986	19.254	70.646	1.00	0.00	H
ATOM	952	H8	G B	12	29.800	18.542	64.490	1.00	0.00	H
ATOM	953	H1'	G B	12	26.763	20.912	65.133	1.00	0.00	H
ATOM	954	H21	G B	12	26.167	20.474	70.765	1.00	0.00	H
ATOM	955	H3'	G B	12	27.730	20.450	61.348	1.00	0.00	H
ATOM	956	H22	G B	12	25.360	21.137	69.316	1.00	0.00	H
ATOM	957	H4'	G B	12	25.586	19.134	62.175	1.00	0.00	H
ATOM	958	H2'1	G B	12	29.100	20.264	63.312	1.00	0.00	H
ATOM	959	H2'2	G B	12	28.331	21.818	63.600	1.00	0.00	H
ATOM	960	H5'1	G B	12	27.030	17.088	62.851	1.00	0.00	H
ATOM	961	H5'2	G B	12	27.073	17.699	61.183	1.00	0.00	H
ATOM	962	C1'	T B	13	26.503	24.330	67.146	1.00	0.00	C
ATOM	963	N1	T B	13	27.759	23.566	67.372	1.00	0.00	N
ATOM	964	C2	T B	13	28.085	23.259	68.678	1.00	0.00	C



ATOM	965	O2	T B	13	27.391	23.588	69.625	1.00	0.00	O
ATOM	966	N3	T B	13	29.259	22.548	68.842	1.00	0.00	N
ATOM	967	C4	T B	13	30.114	22.131	67.844	1.00	0.00	C
ATOM	968	O4	T B	13	31.143	21.501	68.113	1.00	0.00	O
ATOM	969	C5	T B	13	29.690	22.497	66.512	1.00	0.00	C
ATOM	970	C6	T B	13	28.551	23.189	66.314	1.00	0.00	C
ATOM	971	C7	T B	13	30.589	22.062	65.393	1.00	0.00	C
ATOM	972	C2'	T B	13	26.604	25.360	66.028	1.00	0.00	C
ATOM	973	C3'	T B	13	25.214	25.299	65.415	1.00	0.00	C
ATOM	974	O3'	T B	13	24.338	26.144	66.156	1.00	0.00	O
ATOM	975	C4'	T B	13	24.847	23.823	65.551	1.00	0.00	C
ATOM	976	O4'	T B	13	25.493	23.404	66.796	1.00	0.00	O
ATOM	977	C5'	T B	13	25.305	22.910	64.437	1.00	0.00	C
ATOM	978	O5'	T B	13	26.608	23.337	63.961	1.00	0.00	O
ATOM	979	O1P	T B	13	26.147	24.098	61.608	1.00	0.00	O
ATOM	980	O2P	T B	13	28.423	23.242	62.226	1.00	0.00	O
ATOM	981	P	T B	13	26.955	23.161	62.415	1.00	0.00	P
ATOM	982	H3	T B	13	29.521	22.303	69.808	1.00	0.00	H
ATOM	983	H6	T B	13	28.252	23.455	65.301	1.00	0.00	H
ATOM	984	H1'	T B	13	26.215	24.800	68.086	1.00	0.00	H
ATOM	985	H3'	T B	13	25.216	25.610	64.370	1.00	0.00	H
ATOM	986	H4'	T B	13	23.759	23.771	65.595	1.00	0.00	H
ATOM	987	H71	T B	13	31.021	22.939	64.911	1.00	0.00	H
ATOM	988	H72	T B	13	31.389	21.436	65.792	1.00	0.00	H
ATOM	989	H73	T B	13	30.012	21.494	64.662	1.00	0.00	H
ATOM	990	H2'1	T B	13	27.371	25.105	65.299	1.00	0.00	H
ATOM	991	H2'2	T B	13	26.827	26.359	66.404	1.00	0.00	H
ATOM	992	H5'1	T B	13	25.366	21.889	64.812	1.00	0.00	H
ATOM	993	H5'2	T B	13	24.586	22.951	63.622	1.00	0.00	H
ATOM	994	C1'	G B	14	27.033	27.350	71.051	1.00	0.00	C
ATOM	995	N1	G B	14	31.449	24.870	71.670	1.00	0.00	N
ATOM	996	C2	G B	14	30.512	25.262	72.609	1.00	0.00	C
ATOM	997	N2	G B	14	30.787	24.953	73.882	1.00	0.00	N
ATOM	998	N3	G B	14	29.388	25.908	72.301	1.00	0.00	N
ATOM	999	C4	G B	14	29.275	26.143	70.967	1.00	0.00	C
ATOM	1000	C5	G B	14	30.160	25.796	69.961	1.00	0.00	C
ATOM	1001	C6	G B	14	31.351	25.106	70.285	1.00	0.00	C
ATOM	1002	O6	G B	14	32.251	24.716	69.539	1.00	0.00	O
ATOM	1003	N7	G B	14	29.676	26.222	68.722	1.00	0.00	N
ATOM	1004	C8	G B	14	28.537	26.800	69.011	1.00	0.00	C
ATOM	1005	N9	G B	14	28.226	26.793	70.356	1.00	0.00	N
ATOM	1006	C2'	G B	14	26.541	28.667	70.465	1.00	0.00	C
ATOM	1007	C3'	G B	14	25.034	28.542	70.624	1.00	0.00	C
ATOM	1008	O3'	G B	14	24.667	28.953	71.939	1.00	0.00	O
ATOM	1009	C4'	G B	14	24.792	27.050	70.397	1.00	0.00	C
ATOM	1010	O4'	G B	14	25.989	26.405	70.937	1.00	0.00	O
ATOM	1011	C5'	G B	14	24.610	26.611	68.964	1.00	0.00	C
ATOM	1012	O5'	G B	14	25.478	27.386	68.099	1.00	0.00	O
ATOM	1013	O1P	G B	14	23.865	28.718	66.699	1.00	0.00	O
ATOM	1014	O2P	G B	14	26.133	28.142	65.794	1.00	0.00	O
ATOM	1015	P	G B	14	24.973	27.746	66.629	1.00	0.00	P
ATOM	1016	H1	G B	14	32.283	24.368	72.012	1.00	0.00	H
ATOM	1017	H8	G B	14	27.892	27.249	68.256	1.00	0.00	H
ATOM	1018	H1'	G B	14	27.274	27.459	72.109	1.00	0.00	H

ATOM	1019	H21	G B	14	31.657	24.449	74.111	1.00	0.00	H
ATOM	1020	H3'	G B	14	24.495	29.143	69.893	1.00	0.00	H
ATOM	1021	H22	G B	14	30.131	25.219	74.629	1.00	0.00	H
ATOM	1022	H4'	G B	14	23.885	26.791	70.943	1.00	0.00	H
ATOM	1023	H2'1	G B	14	26.822	28.784	69.419	1.00	0.00	H
ATOM	1024	H2'2	G B	14	26.927	29.530	71.006	1.00	0.00	H
ATOM	1025	H5'1	G B	14	24.856	25.553	68.880	1.00	0.00	H
ATOM	1026	H5'2	G B	14	23.570	26.761	68.673	1.00	0.00	H
ATOM	1027	C1'	C B	15	29.425	29.151	74.996	1.00	0.00	C
ATOM	1028	N1	C B	15	30.113	29.035	73.682	1.00	0.00	N
ATOM	1029	C2	C B	15	31.345	28.386	73.645	1.00	0.00	C
ATOM	1030	O2	C B	15	31.813	27.935	74.698	1.00	0.00	O
ATOM	1031	N3	C B	15	31.988	28.270	72.457	1.00	0.00	N
ATOM	1032	C4	C B	15	31.456	28.770	71.334	1.00	0.00	C
ATOM	1033	N4	C B	15	32.126	28.625	70.201	1.00	0.00	N
ATOM	1034	C5	C B	15	30.191	29.448	71.344	1.00	0.00	C
ATOM	1035	C6	C B	15	29.561	29.548	72.549	1.00	0.00	C
ATOM	1036	C2'	C B	15	28.704	30.477	75.198	1.00	0.00	C
ATOM	1037	C3'	C B	15	27.477	30.054	75.991	1.00	0.00	C
ATOM	1038	O3'	C B	15	27.813	29.992	77.376	1.00	0.00	O
ATOM	1039	C4'	C B	15	27.157	28.678	75.413	1.00	0.00	C
ATOM	1040	O4'	C B	15	28.463	28.115	75.072	1.00	0.00	O
ATOM	1041	C5'	C B	15	26.284	28.654	74.179	1.00	0.00	C
ATOM	1042	O5'	C B	15	26.603	29.786	73.332	1.00	0.00	O
ATOM	1043	O1P	C B	15	24.504	31.175	73.400	1.00	0.00	O
ATOM	1044	O2P	C B	15	26.019	31.289	71.402	1.00	0.00	O
ATOM	1045	P	C B	15	25.433	30.471	72.492	1.00	0.00	P
ATOM	1046	H5	C B	15	29.758	29.862	70.432	1.00	0.00	H
ATOM	1047	H6	C B	15	28.593	30.050	72.606	1.00	0.00	H
ATOM	1048	H1'	C B	15	30.162	28.983	75.782	1.00	0.00	H
ATOM	1049	H3'	C B	15	26.644	30.743	75.852	1.00	0.00	H
ATOM	1050	H4'	C B	15	26.642	28.118	76.194	1.00	0.00	H
ATOM	1051	H41	C B	15	31.738	28.998	69.322	1.00	0.00	H
ATOM	1052	H42	C B	15	33.036	28.141	70.197	1.00	0.00	H
ATOM	1053	H2'1	C B	15	28.424	30.943	74.253	1.00	0.00	H
ATOM	1054	H2'2	C B	15	29.307	31.197	75.752	1.00	0.00	H
ATOM	1055	H5'1	C B	15	26.459	27.726	73.635	1.00	0.00	H
ATOM	1056	H5'2	C B	15	25.238	28.703	74.480	1.00	0.00	H
ATOM	1057	C1'	G B	16	33.468	30.109	77.690	1.00	0.00	C
ATOM	1058	N1	G B	16	35.833	29.902	73.176	1.00	0.00	N
ATOM	1059	C2	G B	16	36.213	29.384	74.402	1.00	0.00	C
ATOM	1060	N2	G B	16	37.379	28.726	74.428	1.00	0.00	N
ATOM	1061	N3	G B	16	35.487	29.513	75.512	1.00	0.00	N
ATOM	1062	C4	G B	16	34.342	30.213	75.301	1.00	0.00	C
ATOM	1063	C5	G B	16	33.886	30.769	74.118	1.00	0.00	C
ATOM	1064	C6	G B	16	34.653	30.630	72.938	1.00	0.00	C
ATOM	1065	O6	G B	16	34.416	31.048	71.804	1.00	0.00	O
ATOM	1066	N7	G B	16	32.662	31.411	74.326	1.00	0.00	N
ATOM	1067	C8	G B	16	32.422	31.226	75.599	1.00	0.00	C
ATOM	1068	N9	G B	16	33.397	30.508	76.259	1.00	0.00	N
ATOM	1069	C2'	G B	16	32.939	31.166	78.649	1.00	0.00	C
ATOM	1070	C3'	G B	16	32.285	30.319	79.729	1.00	0.00	C
ATOM	1071	O3'	G B	16	33.275	29.915	80.671	1.00	0.00	O
ATOM	1072	C4'	G B	16	31.724	29.136	78.939	1.00	0.00	C

ATOM	1073	O4'	G B	16	32.685	28.943	77.852	1.00	0.00	O
ATOM	1074	C5'	G B	16	30.349	29.319	78.344	1.00	0.00	C
ATOM	1075	O5'	G B	16	30.188	30.687	77.892	1.00	0.00	O
ATOM	1076	O1P	G B	16	28.402	31.596	79.415	1.00	0.00	O
ATOM	1077	O2P	G B	16	28.699	32.557	77.117	1.00	0.00	O
ATOM	1078	P	G B	16	28.748	31.366	78.000	1.00	0.00	P
ATOM	1079	H1	G B	16	36.464	29.740	72.376	1.00	0.00	H
ATOM	1080	H8	G B	16	31.528	31.606	76.094	1.00	0.00	H
ATOM	1081	H1'	G B	16	34.501	29.852	77.923	1.00	0.00	H
ATOM	1082	H21	G B	16	37.933	28.627	73.566	1.00	0.00	H
ATOM	1083	H3'	G B	16	31.491	30.856	80.247	1.00	0.00	H
ATOM	1084	H22	G B	16	37.718	28.319	75.311	1.00	0.00	H
ATOM	1085	H4'	G B	16	31.681	28.290	79.625	1.00	0.00	H
ATOM	1086	H2'1	G B	16	32.216	31.830	78.175	1.00	0.00	H
ATOM	1087	H2'2	G B	16	33.734	31.788	79.060	1.00	0.00	H
ATOM	1088	H5'1	G B	16	30.231	28.637	77.501	1.00	0.00	H
ATOM	1089	H5'2	G B	16	29.599	29.089	79.099	1.00	0.00	H
ATOM	1090	C1'	G B	17	38.314	30.925	78.303	1.00	0.00	C
ATOM	1091	N1	G B	17	38.089	32.464	73.444	1.00	0.00	N
ATOM	1092	C2	G B	17	39.036	31.685	74.086	1.00	0.00	C
ATOM	1093	N2	G B	17	40.059	31.262	73.334	1.00	0.00	N
ATOM	1094	N3	G B	17	38.966	31.355	75.374	1.00	0.00	N
ATOM	1095	C4	G B	17	37.868	31.876	75.982	1.00	0.00	C
ATOM	1096	C5	G B	17	36.876	32.664	75.425	1.00	0.00	C
ATOM	1097	C6	G B	17	36.947	33.013	74.057	1.00	0.00	C
ATOM	1098	O6	G B	17	36.171	33.696	73.388	1.00	0.00	O
ATOM	1099	N7	G B	17	35.922	32.993	76.390	1.00	0.00	N
ATOM	1100	C8	G B	17	36.353	32.405	77.475	1.00	0.00	C
ATOM	1101	N9	G B	17	37.532	31.708	77.307	1.00	0.00	N
ATOM	1102	C2'	G B	17	38.334	31.546	79.692	1.00	0.00	C
ATOM	1103	C3'	G B	17	38.315	30.320	80.590	1.00	0.00	C
ATOM	1104	O3'	G B	17	39.647	29.838	80.753	1.00	0.00	O
ATOM	1105	C4'	G B	17	37.439	29.342	79.810	1.00	0.00	C
ATOM	1106	O4'	G B	17	37.723	29.645	78.406	1.00	0.00	O
ATOM	1107	C5'	G B	17	35.949	29.448	80.036	1.00	0.00	C
ATOM	1108	O5'	G B	17	35.577	30.837	80.210	1.00	0.00	O
ATOM	1109	O1P	G B	17	34.796	30.935	82.601	1.00	0.00	O
ATOM	1110	O2P	G B	17	33.893	32.563	80.919	1.00	0.00	O
ATOM	1111	P	G B	17	34.384	31.193	81.208	1.00	0.00	P
ATOM	1112	H1	G B	17	38.234	32.658	72.441	1.00	0.00	H
ATOM	1113	H8	G B	17	35.829	32.461	78.429	1.00	0.00	H
ATOM	1114	H1'	G B	17	39.325	30.797	77.917	1.00	0.00	H
ATOM	1115	H21	G B	17	40.105	31.518	72.337	1.00	0.00	H
ATOM	1116	H3'	G B	17	37.887	30.535	81.569	1.00	0.00	H
ATOM	1117	H22	G B	17	40.799	30.680	73.753	1.00	0.00	H
ATOM	1118	H4'	G B	17	37.748	28.338	80.099	1.00	0.00	H
ATOM	1119	H2'1	G B	17	37.468	32.184	79.873	1.00	0.00	H
ATOM	1120	H2'2	G B	17	39.225	32.150	79.864	1.00	0.00	H
ATOM	1121	H5'1	G B	17	35.426	29.032	79.174	1.00	0.00	H
ATOM	1122	H5'2	G B	17	35.681	28.879	80.926	1.00	0.00	H
ATOM	1123	C1'	C B	18	42.808	32.359	76.793	1.00	0.00	C
ATOM	1124	N1	C B	18	41.628	33.250	76.613	1.00	0.00	N
ATOM	1125	C2	C B	18	41.397	33.776	75.344	1.00	0.00	C
ATOM	1126	O2	C B	18	42.175	33.485	74.426	1.00	0.00	O

ATOM	1127	N3	C B	18	40.329	34.589	75.160	1.00	0.00	N
ATOM	1128	C4	C B	18	39.507	34.885	76.175	1.00	0.00	C
ATOM	1129	N4	C B	18	38.476	35.684	75.936	1.00	0.00	N
ATOM	1130	C5	C B	18	39.723	34.360	77.489	1.00	0.00	C
ATOM	1131	C6	C B	18	40.801	33.542	77.651	1.00	0.00	C
ATOM	1132	C2'	C B	18	43.521	32.546	78.127	1.00	0.00	C
ATOM	1133	C3'	C B	18	43.958	31.127	78.454	1.00	0.00	C
ATOM	1134	O3'	C B	18	45.194	30.854	77.796	1.00	0.00	O
ATOM	1135	C4'	C B	18	42.812	30.282	77.902	1.00	0.00	C
ATOM	1136	O4'	C B	18	42.351	31.022	76.726	1.00	0.00	O
ATOM	1137	C5'	C B	18	41.637	30.061	78.824	1.00	0.00	C
ATOM	1138	O5'	C B	18	41.398	31.256	79.610	1.00	0.00	O
ATOM	1139	O1P	C B	18	41.919	30.522	81.961	1.00	0.00	O
ATOM	1140	O2P	C B	18	40.290	32.388	81.561	1.00	0.00	O
ATOM	1141	P	C B	18	40.864	31.099	81.104	1.00	0.00	P
ATOM	1142	H5	C B	18	39.058	34.601	78.318	1.00	0.00	H
ATOM	1143	H6	C B	18	41.004	33.116	78.633	1.00	0.00	H
ATOM	1144	H1'	C B	18	43.490	32.524	75.960	1.00	0.00	H
ATOM	1145	H3'	C B	18	44.078	30.974	79.526	1.00	0.00	H
ATOM	1146	H4'	C B	18	43.227	29.305	77.655	1.00	0.00	H
ATOM	1147	H41	C B	18	37.827	35.927	76.700	1.00	0.00	H
ATOM	1148	H42	C B	18	38.324	36.061	74.991	1.00	0.00	H
ATOM	1149	H2'1	C B	18	42.861	32.945	78.895	1.00	0.00	H
ATOM	1150	H2'2	C B	18	44.375	33.218	78.047	1.00	0.00	H
ATOM	1151	H5'1	C B	18	40.752	29.829	78.230	1.00	0.00	H
ATOM	1152	H5'2	C B	18	41.853	29.223	79.485	1.00	0.00	H
ATOM	1153	C1'	C B	19	45.929	34.933	73.937	1.00	0.00	C
ATOM	1154	N1	C B	19	44.814	35.617	74.648	1.00	0.00	N
ATOM	1155	C2	C B	19	43.973	36.443	73.905	1.00	0.00	C
ATOM	1156	O2	C B	19	44.184	36.573	72.692	1.00	0.00	O
ATOM	1157	N3	C B	19	42.955	37.075	74.535	1.00	0.00	N
ATOM	1158	C4	C B	19	42.752	36.913	75.850	1.00	0.00	C
ATOM	1159	N4	C B	19	41.742	37.553	76.414	1.00	0.00	N
ATOM	1160	C5	C B	19	43.602	36.072	76.636	1.00	0.00	C
ATOM	1161	C6	C B	19	44.621	35.445	75.982	1.00	0.00	C
ATOM	1162	C2'	C B	19	47.212	34.844	74.748	1.00	0.00	C
ATOM	1163	C3'	C B	19	47.761	33.489	74.324	1.00	0.00	C
ATOM	1164	O3'	C B	19	48.500	33.641	73.114	1.00	0.00	O
ATOM	1165	C4'	C B	19	46.497	32.656	74.128	1.00	0.00	C
ATOM	1166	O4'	C B	19	45.505	33.616	73.641	1.00	0.00	O
ATOM	1167	C5'	C B	19	45.944	31.975	75.358	1.00	0.00	C
ATOM	1168	O5'	C B	19	46.129	32.826	76.516	1.00	0.00	O
ATOM	1169	O1P	C B	19	47.765	31.540	77.931	1.00	0.00	O
ATOM	1170	O2P	C B	19	46.148	33.126	79.011	1.00	0.00	O
ATOM	1171	P	C B	19	46.420	32.148	77.929	1.00	0.00	P
ATOM	1172	H5	C B	19	43.443	35.939	77.706	1.00	0.00	H
ATOM	1173	H6	C B	19	45.293	34.794	76.540	1.00	0.00	H
ATOM	1174	H1'	C B	19	46.097	35.451	72.992	1.00	0.00	H
ATOM	1175	H3'	C B	19	48.405	33.054	75.089	1.00	0.00	H
ATOM	1176	H4'	C B	19	46.736	31.883	73.398	1.00	0.00	H
ATOM	1177	H41	C B	19	41.561	37.446	77.424	1.00	0.00	H
ATOM	1178	H42	C B	19	41.131	38.159	75.845	1.00	0.00	H
ATOM	1179	H2'1	C B	19	47.027	34.878	75.821	1.00	0.00	H
ATOM	1180	H2'2	C B	19	47.910	35.648	74.509	1.00	0.00	H

ATOM	1181	H5'1	C B	19	44.883	31.776	75.211	1.00	0.00	H
ATOM	1182	H5'2	C B	19	46.467	31.031	75.508	1.00	0.00	H
ATOM	1183	C1'	T B	20	47.197	38.721	71.013	1.00	0.00	C
ATOM	1184	N1	T B	20	46.576	38.975	72.340	1.00	0.00	N
ATOM	1185	C2	T B	20	45.485	39.821	72.373	1.00	0.00	C
ATOM	1186	O2	T B	20	45.030	40.351	71.375	1.00	0.00	O
ATOM	1187	N3	T B	20	44.941	40.029	73.626	1.00	0.00	N
ATOM	1188	C4	T B	20	45.376	39.483	74.813	1.00	0.00	C
ATOM	1189	O4	T B	20	44.805	39.746	75.879	1.00	0.00	O
ATOM	1190	C5	T B	20	46.520	38.612	74.678	1.00	0.00	C
ATOM	1191	C6	T B	20	47.077	38.386	73.474	1.00	0.00	C
ATOM	1192	C7	T B	20	47.028	37.994	75.946	1.00	0.00	C
ATOM	1193	C2'	T B	20	48.717	38.617	71.057	1.00	0.00	C
ATOM	1194	C3'	T B	20	48.991	37.553	70.004	1.00	0.00	C
ATOM	1195	O3'	T B	20	49.041	38.168	68.719	1.00	0.00	O
ATOM	1196	C4'	T B	20	47.797	36.612	70.150	1.00	0.00	C
ATOM	1197	O4'	T B	20	46.690	37.493	70.527	1.00	0.00	O
ATOM	1198	C5'	T B	20	47.923	35.523	71.189	1.00	0.00	C
ATOM	1199	O5'	T B	20	48.650	36.024	72.341	1.00	0.00	O
ATOM	1200	O1P	T B	20	50.776	34.678	72.318	1.00	0.00	O
ATOM	1201	O2P	T B	20	49.891	35.593	74.481	1.00	0.00	O
ATOM	1202	P	T B	20	49.601	35.027	73.142	1.00	0.00	P
ATOM	1203	H3	T B	20	44.125	40.655	73.677	1.00	0.00	H
ATOM	1204	H6	T B	20	47.940	37.724	73.396	1.00	0.00	H
ATOM	1205	H1'	T B	20	46.880	39.508	70.330	1.00	0.00	H
ATOM	1206	H3'	T B	20	49.929	37.030	70.190	1.00	0.00	H
ATOM	1207	H4'	T B	20	47.652	36.133	69.181	1.00	0.00	H
ATOM	1208	H3T	T B	20	49.644	38.911	68.645	1.00	0.00	H
ATOM	1209	H71	T B	20	48.026	38.375	76.162	1.00	0.00	H
ATOM	1210	H72	T B	20	46.356	38.246	76.769	1.00	0.00	H
ATOM	1211	H73	T B	20	47.069	36.910	75.832	1.00	0.00	H
ATOM	1212	H2'1	T B	20	49.081	38.309	72.035	1.00	0.00	H
ATOM	1213	H2'2	T B	20	49.203	39.559	70.805	1.00	0.00	H
ATOM	1214	H5'1	T B	20	46.927	35.200	71.493	1.00	0.00	H
ATOM	1215	H5'2	T B	20	48.457	34.678	70.757	1.00	0.00	H
TER										
ATOM	1	C1'	A A	1	61.323	12.501	58.721	1.00	0.00	C
ATOM	2	N1	A A	1	62.948	10.218	63.019	1.00	0.00	N
ATOM	3	C2	A A	1	62.971	9.849	61.742	1.00	0.00	C
ATOM	4	N3	A A	1	62.535	10.490	60.678	1.00	0.00	N
ATOM	5	C4	A A	1	62.004	11.673	61.033	1.00	0.00	C
ATOM	6	C5	A A	1	61.904	12.196	62.291	1.00	0.00	C
ATOM	7	C6	A A	1	62.413	11.405	63.343	1.00	0.00	C
ATOM	8	N6	A A	1	62.384	11.788	64.631	1.00	0.00	N
ATOM	9	N7	A A	1	61.297	13.440	62.269	1.00	0.00	N
ATOM	10	C8	A A	1	61.045	13.640	61.009	1.00	0.00	C
ATOM	11	N9	A A	1	61.447	12.611	60.199	1.00	0.00	N
ATOM	12	C2'	A A	1	60.027	13.080	58.169	1.00	0.00	C
ATOM	13	C3'	A A	1	60.482	13.668	56.843	1.00	0.00	C
ATOM	14	O3'	A A	1	60.483	12.643	55.852	1.00	0.00	O
ATOM	15	C4'	A A	1	61.891	14.168	57.158	1.00	0.00	C
ATOM	16	O4'	A A	1	62.400	13.213	58.143	1.00	0.00	O
ATOM	17	C5'	A A	1	61.995	15.560	57.736	1.00	0.00	C
ATOM	18	O5'	A A	1	60.877	15.807	58.626	1.00	0.00	O

ATOM	19	H2	A A	1	63.416	8.872	61.547	1.00	0.00	H
ATOM	20	H8	A A	1	60.561	14.542	60.633	1.00	0.00	H
ATOM	21	H1'	A A	1	61.430	11.451	58.447	1.00	0.00	H
ATOM	22	H3'	A A	1	59.838	14.486	56.516	1.00	0.00	H
ATOM	23	H4'	A A	1	62.448	14.154	56.222	1.00	0.00	H
ATOM	24	H61	A A	1	62.770	11.174	65.359	1.00	0.00	H
ATOM	25	H62	A A	1	61.973	12.698	64.886	1.00	0.00	H
ATOM	26	H5T	A A	1	60.517	16.694	58.678	1.00	0.00	H
ATOM	27	H2'1	A A	1	59.606	13.845	58.819	1.00	0.00	H
ATOM	28	H2'2	A A	1	59.263	12.316	58.022	1.00	0.00	H
ATOM	29	H5'1	A A	1	62.931	15.649	58.286	1.00	0.00	H
ATOM	30	H5'2	A A	1	61.987	16.286	56.924	1.00	0.00	H
ATOM	31	C1'	G A	2	60.122	7.683	58.666	1.00	0.00	C
ATOM	32	N1	G A	2	60.331	8.137	63.741	1.00	0.00	N
ATOM	33	C2	G A	2	60.802	7.130	62.923	1.00	0.00	C
ATOM	34	N2	G A	2	61.407	6.105	63.535	1.00	0.00	N
ATOM	35	N3	G A	2	60.679	7.141	61.596	1.00	0.00	N
ATOM	36	C4	G A	2	60.035	8.251	61.148	1.00	0.00	C
ATOM	37	C5	G A	2	59.529	9.305	61.891	1.00	0.00	C
ATOM	38	C6	G A	2	59.663	9.293	63.299	1.00	0.00	C
ATOM	39	O6	G A	2	59.286	10.128	64.122	1.00	0.00	O
ATOM	40	N7	G A	2	58.937	10.249	61.048	1.00	0.00	N
ATOM	41	C8	G A	2	59.103	9.752	59.850	1.00	0.00	C
ATOM	42	N9	G A	2	59.761	8.539	59.828	1.00	0.00	N
ATOM	43	C2'	G A	2	59.067	7.661	57.568	1.00	0.00	C
ATOM	44	C3'	G A	2	59.917	7.581	56.311	1.00	0.00	C
ATOM	45	O3'	G A	2	60.252	6.218	56.059	1.00	0.00	O
ATOM	46	C4'	G A	2	61.142	8.419	56.676	1.00	0.00	C
ATOM	47	O4'	G A	2	61.318	8.194	58.109	1.00	0.00	O
ATOM	48	C5'	G A	2	61.034	9.905	56.427	1.00	0.00	C
ATOM	49	O5'	G A	2	59.686	10.355	56.714	1.00	0.00	O
ATOM	50	O1P	G A	2	58.822	11.072	54.463	1.00	0.00	O
ATOM	51	O2P	G A	2	57.904	12.118	56.549	1.00	0.00	O
ATOM	52	P	G A	2	59.070	11.537	55.840	1.00	0.00	P
ATOM	53	H1	G A	2	60.479	8.033	64.756	1.00	0.00	H
ATOM	54	H8	G A	2	58.752	10.251	58.948	1.00	0.00	H
ATOM	55	H1'	G A	2	60.326	6.678	59.033	1.00	0.00	H
ATOM	56	H21	G A	2	61.500	6.102	64.561	1.00	0.00	H
ATOM	57	H3'	G A	2	59.402	7.994	55.443	1.00	0.00	H
ATOM	58	H22	G A	2	61.779	5.322	62.980	1.00	0.00	H
ATOM	59	H4'	G A	2	61.971	8.041	56.079	1.00	0.00	H
ATOM	60	H2'1	G A	2	58.447	8.558	57.573	1.00	0.00	H
ATOM	61	H2'2	G A	2	58.400	6.802	57.653	1.00	0.00	H
ATOM	62	H5'1	G A	2	61.741	10.427	57.073	1.00	0.00	H
ATOM	63	H5'2	G A	2	61.280	10.113	55.387	1.00	0.00	H
ATOM	64	C1'	G A	3	59.067	3.331	60.781	1.00	0.00	C
ATOM	65	N1	G A	3	57.661	6.233	64.732	1.00	0.00	N
ATOM	66	C2	G A	3	58.381	5.054	64.710	1.00	0.00	C
ATOM	67	N2	G A	3	58.778	4.583	65.899	1.00	0.00	N
ATOM	68	N3	G A	3	58.682	4.397	63.593	1.00	0.00	N
ATOM	69	C4	G A	3	58.195	5.013	62.483	1.00	0.00	C
ATOM	70	C5	G A	3	57.465	6.188	62.410	1.00	0.00	C
ATOM	71	C6	G A	3	57.150	6.888	63.597	1.00	0.00	C
ATOM	72	O6	G A	3	56.519	7.937	63.735	1.00	0.00	O

ATOM	73	N7	G A	3	57.155	6.481	61.081	1.00	0.00	N
ATOM	74	C8	G A	3	57.696	5.499	60.406	1.00	0.00	C
ATOM	75	N9	G A	3	58.346	4.567	61.189	1.00	0.00	N
ATOM	76	C2'	G A	3	58.411	2.591	59.623	1.00	0.00	C
ATOM	77	C3'	G A	3	59.615	2.059	58.863	1.00	0.00	C
ATOM	78	O3'	G A	3	60.033	0.829	59.453	1.00	0.00	O
ATOM	79	C4'	G A	3	60.650	3.167	59.046	1.00	0.00	C
ATOM	80	O4'	G A	3	60.371	3.706	60.377	1.00	0.00	O
ATOM	81	C5'	G A	3	60.604	4.298	58.046	1.00	0.00	C
ATOM	82	O5'	G A	3	59.228	4.585	57.693	1.00	0.00	O
ATOM	83	O1P	G A	3	59.106	3.948	55.261	1.00	0.00	O
ATOM	84	O2P	G A	3	57.562	5.700	56.178	1.00	0.00	O
ATOM	85	P	G A	3	58.901	5.062	56.206	1.00	0.00	P
ATOM	86	H1	G A	3	57.485	6.666	65.652	1.00	0.00	H
ATOM	87	H8	G A	3	57.639	5.424	59.321	1.00	0.00	H
ATOM	88	H1'	G A	3	59.160	2.685	61.654	1.00	0.00	H
ATOM	89	H21	G A	3	58.544	5.098	66.761	1.00	0.00	H
ATOM	90	H3'	G A	3	59.394	1.896	57.808	1.00	0.00	H
ATOM	91	H22	G A	3	59.316	3.707	65.951	1.00	0.00	H
ATOM	92	H4'	G A	3	61.631	2.699	58.974	1.00	0.00	H
ATOM	93	H2'1	G A	3	57.809	3.251	58.999	1.00	0.00	H
ATOM	94	H2'2	G A	3	57.765	1.782	59.962	1.00	0.00	H
ATOM	95	H5'1	G A	3	61.065	5.182	58.485	1.00	0.00	H
ATOM	96	H5'2	G A	3	61.162	4.011	57.155	1.00	0.00	H
ATOM	97	C1'	C A	4	57.467	0.457	64.484	1.00	0.00	C
ATOM	98	N1	C A	4	56.633	1.590	63.991	1.00	0.00	N
ATOM	99	C2	C A	4	56.152	2.499	64.929	1.00	0.00	C
ATOM	100	O2	C A	4	56.432	2.333	66.123	1.00	0.00	O
ATOM	101	N3	C A	4	55.392	3.537	64.501	1.00	0.00	N
ATOM	102	C4	C A	4	55.106	3.691	63.202	1.00	0.00	C
ATOM	103	N4	C A	4	54.362	4.726	62.839	1.00	0.00	N
ATOM	104	C5	C A	4	55.587	2.769	62.217	1.00	0.00	C
ATOM	105	C6	C A	4	56.351	1.734	62.669	1.00	0.00	C
ATOM	106	C2'	C A	4	57.214	-0.853	63.752	1.00	0.00	C
ATOM	107	C3'	C A	4	58.603	-1.471	63.718	1.00	0.00	C
ATOM	108	O3'	C A	4	58.837	-2.164	64.943	1.00	0.00	O
ATOM	109	C4'	C A	4	59.512	-0.255	63.561	1.00	0.00	C
ATOM	110	O4'	C A	4	58.825	0.808	64.295	1.00	0.00	O
ATOM	111	C5'	C A	4	59.761	0.218	62.148	1.00	0.00	C
ATOM	112	O5'	C A	4	58.557	0.053	61.356	1.00	0.00	O
ATOM	113	O1P	C A	4	59.205	-1.699	59.669	1.00	0.00	O
ATOM	114	O2P	C A	4	57.425	-0.022	59.113	1.00	0.00	O
ATOM	115	P	C A	4	58.699	-0.320	59.811	1.00	0.00	P
ATOM	116	H5	C A	4	55.352	2.887	61.159	1.00	0.00	H
ATOM	117	H6	C A	4	56.744	1.009	61.956	1.00	0.00	H
ATOM	118	H1'	C A	4	57.294	0.348	65.553	1.00	0.00	H
ATOM	119	H3'	C A	4	58.721	-2.163	62.884	1.00	0.00	H
ATOM	120	H4'	C A	4	60.475	-0.520	63.997	1.00	0.00	H
ATOM	121	H41	C A	4	54.127	4.868	61.846	1.00	0.00	H
ATOM	122	H42	C A	4	54.016	5.387	63.550	1.00	0.00	H
ATOM	123	H2'1	C A	4	56.824	-0.699	62.746	1.00	0.00	H
ATOM	124	H2'2	C A	4	56.506	-1.493	64.282	1.00	0.00	H
ATOM	125	H5'1	C A	4	60.047	1.270	62.167	1.00	0.00	H
ATOM	126	H5'2	C A	4	60.571	-0.366	61.713	1.00	0.00	H

ATOM	127	C1'	C A	5	54.825	-0.473	68.567	1.00	0.00	C
ATOM	128	N1	C A	5	54.172	0.109	67.362	1.00	0.00	N
ATOM	129	C2	C A	5	53.407	1.260	67.527	1.00	0.00	C
ATOM	130	O2	C A	5	53.297	1.750	68.660	1.00	0.00	O
ATOM	131	N3	C A	5	52.804	1.805	66.442	1.00	0.00	N
ATOM	132	C4	C A	5	52.938	1.253	65.230	1.00	0.00	C
ATOM	133	N4	C A	5	52.332	1.830	64.204	1.00	0.00	N
ATOM	134	C5	C A	5	53.719	0.067	65.031	1.00	0.00	C
ATOM	135	C6	C A	5	54.318	-0.462	66.138	1.00	0.00	C
ATOM	136	C2'	C A	5	54.834	-1.995	68.585	1.00	0.00	C
ATOM	137	C3'	C A	5	56.173	-2.295	69.242	1.00	0.00	C
ATOM	138	O3'	C A	5	56.020	-2.249	70.659	1.00	0.00	O
ATOM	139	C4'	C A	5	57.067	-1.173	68.720	1.00	0.00	C
ATOM	140	O4'	C A	5	56.168	-0.027	68.588	1.00	0.00	O
ATOM	141	C5'	C A	5	57.740	-1.415	67.390	1.00	0.00	C
ATOM	142	O5'	C A	5	56.849	-2.154	66.516	1.00	0.00	O
ATOM	143	O1P	C A	5	58.022	-4.362	66.223	1.00	0.00	O
ATOM	144	O2P	C A	5	56.483	-3.510	64.433	1.00	0.00	O
ATOM	145	P	C A	5	57.476	-3.202	65.490	1.00	0.00	P
ATOM	146	H5	C A	5	53.827	-0.390	64.047	1.00	0.00	H
ATOM	147	H6	C A	5	54.925	-1.361	66.036	1.00	0.00	H
ATOM	148	H1'	C A	5	54.325	-0.074	69.450	1.00	0.00	H
ATOM	149	H3'	C A	5	56.558	-3.274	68.953	1.00	0.00	H
ATOM	150	H4'	C A	5	57.848	-1.019	69.466	1.00	0.00	H
ATOM	151	H41	C A	5	52.420	1.426	63.260	1.00	0.00	H
ATOM	152	H42	C A	5	51.770	2.681	64.349	1.00	0.00	H
ATOM	153	H2'1	C A	5	54.779	-2.422	67.584	1.00	0.00	H
ATOM	154	H2'2	C A	5	54.006	-2.407	69.164	1.00	0.00	H
ATOM	155	H5'1	C A	5	57.990	-0.456	66.935	1.00	0.00	H
ATOM	156	H5'2	C A	5	58.656	-1.985	67.551	1.00	0.00	H
ATOM	157	C1'	G A	6	51.045	0.263	71.682	1.00	0.00	C
ATOM	158	N1	G A	6	48.718	2.097	67.529	1.00	0.00	N
ATOM	159	C2	G A	6	48.734	2.582	68.826	1.00	0.00	C
ATOM	160	N2	G A	6	48.035	3.702	69.046	1.00	0.00	N
ATOM	161	N3	G A	6	49.394	1.995	69.822	1.00	0.00	N
ATOM	162	C4	G A	6	50.039	0.869	69.421	1.00	0.00	C
ATOM	163	C5	G A	6	50.077	0.309	68.155	1.00	0.00	C
ATOM	164	C6	G A	6	49.380	0.933	67.095	1.00	0.00	C
ATOM	165	O6	G A	6	49.293	0.593	65.916	1.00	0.00	O
ATOM	166	N7	G A	6	50.852	-0.852	68.162	1.00	0.00	N
ATOM	167	C8	G A	6	51.253	-0.956	69.403	1.00	0.00	C
ATOM	168	N9	G A	6	50.800	0.052	70.229	1.00	0.00	N
ATOM	169	C2'	G A	6	51.076	-1.025	72.493	1.00	0.00	C
ATOM	170	C3'	G A	6	52.140	-0.721	73.534	1.00	0.00	C
ATOM	171	O3'	G A	6	51.544	-0.017	74.621	1.00	0.00	O
ATOM	172	C4'	G A	6	53.135	0.142	72.761	1.00	0.00	C
ATOM	173	O4'	G A	6	52.303	0.894	71.820	1.00	0.00	O
ATOM	174	C5'	G A	6	54.199	-0.593	71.983	1.00	0.00	C
ATOM	175	O5'	G A	6	53.647	-1.812	71.424	1.00	0.00	O
ATOM	176	O1P	G A	6	54.890	-3.628	72.643	1.00	0.00	O
ATOM	177	O2P	G A	6	53.985	-4.054	70.342	1.00	0.00	O
ATOM	178	P	G A	6	54.585	-3.095	71.302	1.00	0.00	P
ATOM	179	H1	G A	6	48.181	2.632	66.829	1.00	0.00	H
ATOM	180	H8	G A	6	51.890	-1.768	69.756	1.00	0.00	H



ATOM	181	H1'	G A	6	50.283	0.945	72.061	1.00	0.00	H
ATOM	182	H21	G A	6	47.529	4.153	68.269	1.00	0.00	H
ATOM	183	H3'	G A	6	52.615	-1.628	73.910	1.00	0.00	H
ATOM	184	H22	G A	6	48.004	4.113	69.990	1.00	0.00	H
ATOM	185	H4'	G A	6	53.634	0.780	73.489	1.00	0.00	H
ATOM	186	H2'1	G A	6	51.349	-1.890	71.886	1.00	0.00	H
ATOM	187	H2'2	G A	6	50.114	-1.245	72.958	1.00	0.00	H
ATOM	188	H5'1	G A	6	54.565	0.047	71.182	1.00	0.00	H
ATOM	189	H5'2	G A	6	55.026	-0.836	72.650	1.00	0.00	H
ATOM	190	C1'	C A	7	46.467	1.749	72.849	1.00	0.00	C
ATOM	191	N1	C A	7	46.692	0.821	71.707	1.00	0.00	N
ATOM	192	C2	C A	7	46.130	1.153	70.476	1.00	0.00	C
ATOM	193	O2	C A	7	45.473	2.197	70.380	1.00	0.00	O
ATOM	194	N3	C A	7	46.325	0.321	69.423	1.00	0.00	N
ATOM	195	C4	C A	7	47.040	-0.803	69.557	1.00	0.00	C
ATOM	196	N4	C A	7	47.200	-1.578	68.495	1.00	0.00	N
ATOM	197	C5	C A	7	47.625	-1.173	70.813	1.00	0.00	C
ATOM	198	C6	C A	7	47.422	-0.316	71.857	1.00	0.00	C
ATOM	199	C2'	C A	7	46.257	1.044	74.182	1.00	0.00	C
ATOM	200	C3'	C A	7	46.939	1.995	75.153	1.00	0.00	C
ATOM	201	O3'	C A	7	46.024	3.026	75.520	1.00	0.00	O
ATOM	202	C4'	C A	7	48.114	2.530	74.338	1.00	0.00	C
ATOM	203	O4'	C A	7	47.612	2.574	72.965	1.00	0.00	O
ATOM	204	C5'	C A	7	49.379	1.703	74.362	1.00	0.00	C
ATOM	205	O5'	C A	7	49.043	0.292	74.390	1.00	0.00	O
ATOM	206	O1P	C A	7	49.864	-0.459	76.648	1.00	0.00	O
ATOM	207	O2P	C A	7	49.730	-2.096	74.751	1.00	0.00	O
ATOM	208	P	C A	7	49.988	-0.706	75.197	1.00	0.00	P
ATOM	209	H5	C A	7	48.204	-2.090	70.928	1.00	0.00	H
ATOM	210	H6	C A	7	47.854	-0.550	72.831	1.00	0.00	H
ATOM	211	H1'	C A	7	45.617	2.388	72.606	1.00	0.00	H
ATOM	212	H3'	C A	7	47.283	1.481	76.051	1.00	0.00	H
ATOM	213	H4'	C A	7	48.354	3.516	74.737	1.00	0.00	H
ATOM	214	H41	C A	7	47.748	-2.448	68.569	1.00	0.00	H
ATOM	215	H42	C A	7	46.777	-1.314	67.593	1.00	0.00	H
ATOM	216	H2'1	C A	7	46.717	0.058	74.204	1.00	0.00	H
ATOM	217	H2'2	C A	7	45.201	0.920	74.422	1.00	0.00	H
ATOM	218	H5'1	C A	7	49.969	1.924	73.472	1.00	0.00	H
ATOM	219	H5'2	C A	7	49.958	1.960	75.249	1.00	0.00	H
ATOM	220	C1'	A A	8	41.733	2.798	71.850	1.00	0.00	C
ATOM	221	N1	A A	8	42.409	-0.521	67.993	1.00	0.00	N
ATOM	222	C2	A A	8	41.800	0.658	68.068	1.00	0.00	C
ATOM	223	N3	A A	8	41.664	1.467	69.096	1.00	0.00	N
ATOM	224	C4	A A	8	42.253	0.937	70.185	1.00	0.00	C
ATOM	225	C5	A A	8	42.914	-0.256	70.276	1.00	0.00	C
ATOM	226	C6	A A	8	42.987	-1.023	69.095	1.00	0.00	C
ATOM	227	N6	A A	8	43.605	-2.215	69.033	1.00	0.00	N
ATOM	228	N7	A A	8	43.390	-0.467	71.558	1.00	0.00	N
ATOM	229	C8	A A	8	43.007	0.591	72.211	1.00	0.00	C
ATOM	230	N9	A A	8	42.312	1.489	71.441	1.00	0.00	N
ATOM	231	C2'	A A	8	41.139	2.795	73.252	1.00	0.00	C
ATOM	232	C3'	A A	8	41.472	4.195	73.740	1.00	0.00	C
ATOM	233	O3'	A A	8	40.470	5.100	73.283	1.00	0.00	O
ATOM	234	C4'	A A	8	42.831	4.466	73.096	1.00	0.00	C

ATOM	235	O4'	A A	8	42.771	3.758	71.815	1.00	0.00	O
ATOM	236	C5'	A A	8	44.043	3.986	73.859	1.00	0.00	C
ATOM	237	O5'	A A	8	43.743	2.727	74.514	1.00	0.00	O
ATOM	238	O1P	A A	8	43.848	3.306	76.961	1.00	0.00	O
ATOM	239	O2P	A A	8	44.333	0.963	76.203	1.00	0.00	O
ATOM	240	P	A A	8	44.415	2.419	75.927	1.00	0.00	P
ATOM	241	H2	A A	8	41.348	1.007	67.140	1.00	0.00	H
ATOM	242	H8	A A	8	43.216	0.750	73.270	1.00	0.00	H
ATOM	243	H1'	A A	8	40.987	3.085	71.110	1.00	0.00	H
ATOM	244	H3'	A A	8	41.535	4.246	74.827	1.00	0.00	H
ATOM	245	H4'	A A	8	42.916	5.546	72.981	1.00	0.00	H
ATOM	246	H61	A A	8	43.633	-2.735	68.144	1.00	0.00	H
ATOM	247	H62	A A	8	44.050	-2.609	69.875	1.00	0.00	H
ATOM	248	H2'1	A A	8	41.589	2.035	73.890	1.00	0.00	H
ATOM	249	H2'2	A A	8	40.063	2.622	73.245	1.00	0.00	H
ATOM	250	H5'1	A A	8	44.871	3.851	73.164	1.00	0.00	H
ATOM	251	H5'2	A A	8	44.317	4.732	74.604	1.00	0.00	H
ATOM	252	C1'	C A	9	37.545	2.345	69.219	1.00	0.00	C
ATOM	253	N1	C A	9	38.244	1.136	69.737	1.00	0.00	N
ATOM	254	C2	C A	9	38.525	0.109	68.837	1.00	0.00	C
ATOM	255	O2	C A	9	38.183	0.242	67.656	1.00	0.00	O
ATOM	256	N3	C A	9	39.160	-0.998	69.288	1.00	0.00	N
ATOM	257	C4	C A	9	39.516	-1.114	70.575	1.00	0.00	C
ATOM	258	N4	C A	9	40.139	-2.218	70.961	1.00	0.00	N
ATOM	259	C5	C A	9	39.238	-0.076	71.523	1.00	0.00	C
ATOM	260	C6	C A	9	38.601	1.035	71.046	1.00	0.00	C
ATOM	261	C2'	C A	9	36.529	2.929	70.191	1.00	0.00	C
ATOM	262	C3'	C A	9	36.668	4.423	69.936	1.00	0.00	C
ATOM	263	O3'	C A	9	35.856	4.784	68.821	1.00	0.00	O
ATOM	264	C4'	C A	9	38.157	4.580	69.639	1.00	0.00	C
ATOM	265	O4'	C A	9	38.526	3.333	68.966	1.00	0.00	O
ATOM	266	C5'	C A	9	39.063	4.767	70.834	1.00	0.00	C
ATOM	267	O5'	C A	9	38.581	3.968	71.944	1.00	0.00	O
ATOM	268	O1P	C A	9	37.880	5.689	73.641	1.00	0.00	O
ATOM	269	O2P	C A	9	38.614	3.411	74.396	1.00	0.00	O
ATOM	270	P	C A	9	38.763	4.526	73.428	1.00	0.00	P
ATOM	271	H5	C A	9	39.520	-0.167	72.572	1.00	0.00	H
ATOM	272	H6	C A	9	38.374	1.856	71.726	1.00	0.00	H
ATOM	273	H1'	C A	9	37.076	2.087	68.270	1.00	0.00	H
ATOM	274	H3'	C A	9	36.375	5.013	70.803	1.00	0.00	H
ATOM	275	H4'	C A	9	38.264	5.456	69.002	1.00	0.00	H
ATOM	276	H41	C A	9	40.425	-2.331	71.944	1.00	0.00	H
ATOM	277	H42	C A	9	40.336	-2.965	70.278	1.00	0.00	H
ATOM	278	H2'1	C A	9	36.757	2.682	71.227	1.00	0.00	H
ATOM	279	H2'2	C A	9	35.515	2.583	69.986	1.00	0.00	H
ATOM	280	H5'1	C A	9	40.075	4.459	70.570	1.00	0.00	H
ATOM	281	H5'2	C A	9	39.071	5.820	71.115	1.00	0.00	H
ATOM	282	C1'	C A	10	34.399	-0.040	66.230	1.00	0.00	C
ATOM	283	N1	C A	10	34.917	-0.698	67.461	1.00	0.00	N
ATOM	284	C2	C A	10	35.481	-1.965	67.334	1.00	0.00	C
ATOM	285	O2	C A	10	35.529	-2.491	66.213	1.00	0.00	O
ATOM	286	N3	C A	10	35.960	-2.582	68.442	1.00	0.00	N
ATOM	287	C4	C A	10	35.895	-1.990	69.642	1.00	0.00	C
ATOM	288	N4	C A	10	36.381	-2.637	70.692	1.00	0.00	N

ATOM	289	C5	C A	10	35.316	-0.688	69.803	1.00	0.00	C
ATOM	290	C6	C A	10	34.845	-0.084	68.671	1.00	0.00	C
ATOM	291	C2'	C A	10	33.120	0.755	66.453	1.00	0.00	C
ATOM	292	C3'	C A	10	33.310	1.931	65.506	1.00	0.00	C
ATOM	293	O3'	C A	10	32.885	1.553	64.199	1.00	0.00	O
ATOM	294	C4'	C A	10	34.814	2.182	65.574	1.00	0.00	C
ATOM	295	O4'	C A	10	35.394	0.853	65.768	1.00	0.00	O
ATOM	296	C5'	C A	10	35.295	3.084	66.687	1.00	0.00	C
ATOM	297	O5'	C A	10	34.501	2.860	67.879	1.00	0.00	O
ATOM	298	O1P	C A	10	33.275	5.036	68.183	1.00	0.00	O
ATOM	299	O2P	C A	10	33.768	3.586	70.170	1.00	0.00	O
ATOM	300	P	C A	10	34.198	4.092	68.844	1.00	0.00	P
ATOM	301	H5	C A	10	35.255	-0.204	70.779	1.00	0.00	H
ATOM	302	H6	C A	10	34.404	0.910	68.742	1.00	0.00	H
ATOM	303	H1'	C A	10	34.255	-0.806	65.469	1.00	0.00	H
ATOM	304	H3'	C A	10	32.749	2.809	65.829	1.00	0.00	H
ATOM	305	H4'	C A	10	35.102	2.640	64.628	1.00	0.00	H
ATOM	306	H41	C A	10	36.344	-2.203	71.626	1.00	0.00	H
ATOM	307	H42	C A	10	36.793	-3.574	70.574	1.00	0.00	H
ATOM	308	H2'1	C A	10	33.014	1.090	67.483	1.00	0.00	H
ATOM	309	H2'2	C A	10	32.227	0.181	66.199	1.00	0.00	H
ATOM	310	H5'1	C A	10	36.344	2.869	66.897	1.00	0.00	H
ATOM	311	H5'2	C A	10	35.199	4.123	66.371	1.00	0.00	H
ATOM	312	C1'	T A	11	32.380	-4.075	64.195	1.00	0.00	C
ATOM	313	N1	T A	11	32.503	-3.967	65.673	1.00	0.00	N
ATOM	314	C2	T A	11	33.094	-5.024	66.334	1.00	0.00	C
ATOM	315	O2	T A	11	33.507	-6.016	65.759	1.00	0.00	O
ATOM	316	N3	T A	11	33.190	-4.883	67.707	1.00	0.00	N
ATOM	317	C4	T A	11	32.754	-3.807	68.454	1.00	0.00	C
ATOM	318	O4	T A	11	32.891	-3.794	69.684	1.00	0.00	O
ATOM	319	C5	T A	11	32.150	-2.752	67.675	1.00	0.00	C
ATOM	320	C6	T A	11	32.041	-2.857	66.336	1.00	0.00	C
ATOM	321	C7	T A	11	31.664	-1.562	68.447	1.00	0.00	C
ATOM	322	C2'	T A	11	31.082	-3.498	63.643	1.00	0.00	C
ATOM	323	C3'	T A	11	31.536	-2.905	62.319	1.00	0.00	C
ATOM	324	O3'	T A	11	31.540	-3.926	61.324	1.00	0.00	O
ATOM	325	C4'	T A	11	32.941	-2.402	62.636	1.00	0.00	C
ATOM	326	O4'	T A	11	33.454	-3.359	63.618	1.00	0.00	O
ATOM	327	C5'	T A	11	33.043	-1.011	63.218	1.00	0.00	C
ATOM	328	O5'	T A	11	31.924	-0.770	64.108	1.00	0.00	O
ATOM	329	O1P	T A	11	30.631	1.045	62.940	1.00	0.00	O
ATOM	330	O2P	T A	11	30.510	0.827	65.435	1.00	0.00	O
ATOM	331	P	T A	11	31.319	0.702	64.198	1.00	0.00	P
ATOM	332	H3	T A	11	33.631	-5.656	68.223	1.00	0.00	H
ATOM	333	H6	T A	11	31.582	-2.047	65.768	1.00	0.00	H
ATOM	334	H1'	T A	11	32.489	-5.124	63.918	1.00	0.00	H
ATOM	335	H3'	T A	11	30.890	-2.089	61.995	1.00	0.00	H
ATOM	336	H4'	T A	11	33.502	-2.413	61.700	1.00	0.00	H
ATOM	337	H71	T A	11	30.578	-1.499	68.373	1.00	0.00	H
ATOM	338	H72	T A	11	31.951	-1.666	69.494	1.00	0.00	H
ATOM	339	H73	T A	11	32.109	-0.655	68.037	1.00	0.00	H
ATOM	340	H2'1	T A	11	30.659	-2.736	64.295	1.00	0.00	H
ATOM	341	H2'2	T A	11	30.319	-4.263	63.495	1.00	0.00	H
ATOM	342	H5'1	T A	11	33.979	-0.920	63.770	1.00	0.00	H

ATOM	343	H5'2	T	A	11	33.033	-0.283	62.408	1.00	0.00	H
ATOM	344	C1'	A	A	12	31.175	-8.889	64.116	1.00	0.00	C
ATOM	345	N1	A	A	12	31.398	-8.456	69.224	1.00	0.00	N
ATOM	346	C2	A	A	12	31.826	-9.391	68.382	1.00	0.00	C
ATOM	347	N3	A	A	12	31.739	-9.438	67.069	1.00	0.00	N
ATOM	348	C4	A	A	12	31.105	-8.347	66.606	1.00	0.00	C
ATOM	349	C5	A	A	12	30.605	-7.304	67.332	1.00	0.00	C
ATOM	350	C6	A	A	12	30.770	-7.377	68.732	1.00	0.00	C
ATOM	351	N6	A	A	12	30.331	-6.426	69.573	1.00	0.00	N
ATOM	352	N7	A	A	12	30.020	-6.357	66.511	1.00	0.00	N
ATOM	353	C8	A	A	12	30.172	-6.844	65.315	1.00	0.00	C
ATOM	354	N9	A	A	12	30.825	-8.051	65.294	1.00	0.00	N
ATOM	355	C2'	A	A	12	30.109	-8.891	63.028	1.00	0.00	C
ATOM	356	C3'	A	A	12	30.949	-8.954	61.762	1.00	0.00	C
ATOM	357	O3'	A	A	12	31.278	-10.314	61.487	1.00	0.00	O
ATOM	358	C4'	A	A	12	32.180	-8.125	62.128	1.00	0.00	C
ATOM	359	O4'	A	A	12	32.367	-8.373	63.558	1.00	0.00	O
ATOM	360	C5'	A	A	12	32.076	-6.636	61.903	1.00	0.00	C
ATOM	361	O5'	A	A	12	30.732	-6.186	62.207	1.00	0.00	O
ATOM	362	O1P	A	A	12	29.850	-5.432	59.973	1.00	0.00	O
ATOM	363	O2P	A	A	12	28.953	-4.415	62.084	1.00	0.00	O
ATOM	364	P	A	A	12	30.112	-4.989	61.356	1.00	0.00	P
ATOM	365	H2	A	A	12	32.324	-10.242	68.846	1.00	0.00	H
ATOM	366	H8	A	A	12	29.816	-6.344	64.414	1.00	0.00	H
ATOM	367	H1'	A	A	12	31.377	-9.901	64.465	1.00	0.00	H
ATOM	368	H3'	A	A	12	30.429	-8.528	60.904	1.00	0.00	H
ATOM	369	H4'	A	A	12	33.003	-8.498	61.519	1.00	0.00	H
ATOM	370	H61	A	A	12	30.479	-6.528	70.588	1.00	0.00	H
ATOM	371	H62	A	A	12	29.845	-5.596	69.203	1.00	0.00	H
ATOM	372	H2'1	A	A	12	29.494	-7.992	63.049	1.00	0.00	H
ATOM	373	H2'2	A	A	12	29.440	-9.747	63.104	1.00	0.00	H
ATOM	374	H5'1	A	A	12	32.790	-6.127	62.551	1.00	0.00	H
ATOM	375	H5'2	A	A	12	32.312	-6.413	60.864	1.00	0.00	H
ATOM	376	C1'	G	A	13	30.123	-13.244	66.254	1.00	0.00	C
ATOM	377	N1	G	A	13	28.718	-10.341	70.206	1.00	0.00	N
ATOM	378	C2	G	A	13	29.438	-11.521	70.184	1.00	0.00	C
ATOM	379	N2	G	A	13	29.835	-11.995	71.373	1.00	0.00	N
ATOM	380	N3	G	A	13	29.738	-12.180	69.066	1.00	0.00	N
ATOM	381	C4	G	A	13	29.252	-11.563	67.957	1.00	0.00	C
ATOM	382	C5	G	A	13	28.522	-10.388	67.883	1.00	0.00	C
ATOM	383	C6	G	A	13	28.206	-9.687	69.070	1.00	0.00	C
ATOM	384	O6	G	A	13	27.573	-8.639	69.207	1.00	0.00	O
ATOM	385	N7	G	A	13	28.211	-10.095	66.555	1.00	0.00	N
ATOM	386	C8	G	A	13	28.752	-11.076	65.879	1.00	0.00	C
ATOM	387	N9	G	A	13	29.402	-12.008	66.663	1.00	0.00	N
ATOM	388	C2'	G	A	13	29.468	-13.985	65.097	1.00	0.00	C
ATOM	389	C3'	G	A	13	30.671	-14.517	64.337	1.00	0.00	C
ATOM	390	O3'	G	A	13	31.089	-15.746	64.926	1.00	0.00	O
ATOM	391	C4'	G	A	13	31.706	-13.408	64.519	1.00	0.00	C
ATOM	392	O4'	G	A	13	31.427	-12.870	65.850	1.00	0.00	O
ATOM	393	C5'	G	A	13	31.660	-12.278	63.520	1.00	0.00	C
ATOM	394	O5'	G	A	13	30.284	-11.990	63.167	1.00	0.00	O
ATOM	395	O1P	G	A	13	30.162	-12.627	60.734	1.00	0.00	O
ATOM	396	O2P	G	A	13	28.618	-10.876	61.652	1.00	0.00	O

ATOM	397	P	G A	13	29.957	-11.513	61.680	1.00	0.00	P
ATOM	398	H1	G A	13	28.544	-9.908	71.126	1.00	0.00	H
ATOM	399	H8	G A	13	28.697	-11.152	64.794	1.00	0.00	H
ATOM	400	H1'	G A	13	30.216	-13.890	67.128	1.00	0.00	H
ATOM	401	H21	G A	13	29.601	-11.478	72.235	1.00	0.00	H
ATOM	402	H3'	G A	13	30.450	-14.679	63.282	1.00	0.00	H
ATOM	403	H22	G A	13	30.371	-12.870	71.425	1.00	0.00	H
ATOM	404	H4'	G A	13	32.687	-13.877	64.448	1.00	0.00	H
ATOM	405	H2'1	G A	13	28.866	-13.324	64.472	1.00	0.00	H
ATOM	406	H2'2	G A	13	28.821	-14.793	65.436	1.00	0.00	H
ATOM	407	H5'1	G A	13	32.121	-11.393	63.959	1.00	0.00	H
ATOM	408	H5'2	G A	13	32.218	-12.564	62.629	1.00	0.00	H
ATOM	409	C1'	G A	14	28.522	-16.118	69.957	1.00	0.00	C
ATOM	410	N1	G A	14	25.900	-11.952	71.300	1.00	0.00	N
ATOM	411	C2	G A	14	26.608	-12.847	72.083	1.00	0.00	C
ATOM	412	N2	G A	14	26.618	-12.601	73.399	1.00	0.00	N
ATOM	413	N3	G A	14	27.256	-13.903	71.592	1.00	0.00	N
ATOM	414	C4	G A	14	27.134	-14.001	70.243	1.00	0.00	C
ATOM	415	C5	G A	14	26.446	-13.161	69.384	1.00	0.00	C
ATOM	416	C6	G A	14	25.763	-12.039	69.901	1.00	0.00	C
ATOM	417	O6	G A	14	25.103	-11.186	69.307	1.00	0.00	O
ATOM	418	N7	G A	14	26.566	-13.616	68.067	1.00	0.00	N
ATOM	419	C8	G A	14	27.307	-14.687	68.168	1.00	0.00	C
ATOM	420	N9	G A	14	27.690	-14.987	69.459	1.00	0.00	N
ATOM	421	C2'	G A	14	28.275	-17.430	69.225	1.00	0.00	C
ATOM	422	C3'	G A	14	29.664	-18.046	69.199	1.00	0.00	C
ATOM	423	O3'	G A	14	29.894	-18.736	70.424	1.00	0.00	O
ATOM	424	C4'	G A	14	30.573	-16.827	69.043	1.00	0.00	C
ATOM	425	O4'	G A	14	29.880	-15.766	69.774	1.00	0.00	O
ATOM	426	C5'	G A	14	30.827	-16.356	67.631	1.00	0.00	C
ATOM	427	O5'	G A	14	29.628	-16.525	66.835	1.00	0.00	O
ATOM	428	O1P	G A	14	30.286	-18.278	65.153	1.00	0.00	O
ATOM	429	O2P	G A	14	28.506	-16.603	64.587	1.00	0.00	O
ATOM	430	P	G A	14	29.778	-16.900	65.292	1.00	0.00	P
ATOM	431	H1	G A	14	25.440	-11.163	71.779	1.00	0.00	H
ATOM	432	H8	G A	14	27.596	-15.292	67.309	1.00	0.00	H
ATOM	433	H1'	G A	14	28.345	-16.227	71.026	1.00	0.00	H
ATOM	434	H21	G A	14	26.118	-11.780	73.771	1.00	0.00	H
ATOM	435	H3'	G A	14	29.788	-18.738	68.365	1.00	0.00	H
ATOM	436	H22	G A	14	27.124	-13.230	74.036	1.00	0.00	H
ATOM	437	H4'	G A	14	31.534	-17.090	69.484	1.00	0.00	H
ATOM	438	H2'1	G A	14	27.890	-17.277	68.217	1.00	0.00	H
ATOM	439	H2'2	G A	14	27.567	-18.070	69.753	1.00	0.00	H
ATOM	440	H5'1	G A	14	31.112	-15.305	67.651	1.00	0.00	H
ATOM	441	H5'2	G A	14	31.641	-16.939	67.200	1.00	0.00	H
ATOM	442	C1'	A A	15	25.894	-17.068	74.042	1.00	0.00	C
ATOM	443	N1	A A	15	22.901	-13.278	72.305	1.00	0.00	N
ATOM	444	C2	A A	15	23.355	-13.580	73.519	1.00	0.00	C
ATOM	445	N3	A A	15	24.130	-14.575	73.898	1.00	0.00	N
ATOM	446	C4	A A	15	24.450	-15.344	72.841	1.00	0.00	C
ATOM	447	C5	A A	15	24.067	-15.174	71.541	1.00	0.00	C
ATOM	448	C6	A A	15	23.238	-14.064	71.271	1.00	0.00	C
ATOM	449	N6	A A	15	22.783	-13.770	70.041	1.00	0.00	N
ATOM	450	N7	A A	15	24.592	-16.164	70.730	1.00	0.00	N

ATOM	451	C8	A A	15	25.274	-16.909	71.550	1.00	0.00	C
ATOM	452	N9	A A	15	25.235	-16.471	72.850	1.00	0.00	N
ATOM	453	C2'	A A	15	25.906	-18.590	74.041	1.00	0.00	C
ATOM	454	C3'	A A	15	27.247	-18.899	74.686	1.00	0.00	C
ATOM	455	O3'	A A	15	27.100	-18.871	76.103	1.00	0.00	O
ATOM	456	C4'	A A	15	28.139	-17.769	74.175	1.00	0.00	C
ATOM	457	O4'	A A	15	27.236	-16.621	74.062	1.00	0.00	O
ATOM	458	C5'	A A	15	28.806	-17.992	72.838	1.00	0.00	C
ATOM	459	O5'	A A	15	27.912	-18.720	71.959	1.00	0.00	O
ATOM	460	O1P	A A	15	29.084	-20.923	71.629	1.00	0.00	O
ATOM	461	O2P	A A	15	27.535	-20.048	69.859	1.00	0.00	O
ATOM	462	P	A A	15	28.534	-19.753	70.915	1.00	0.00	P
ATOM	463	H2	A A	15	23.042	-12.905	74.314	1.00	0.00	H
ATOM	464	H8	A A	15	25.823	-17.796	71.237	1.00	0.00	H
ATOM	465	H1'	A A	15	25.399	-16.683	74.933	1.00	0.00	H
ATOM	466	H3'	A A	15	27.634	-19.873	74.381	1.00	0.00	H
ATOM	467	H4'	A A	15	28.921	-17.623	74.918	1.00	0.00	H
ATOM	468	H61	A A	15	22.182	-12.946	69.899	1.00	0.00	H
ATOM	469	H62	A A	15	23.037	-14.370	69.242	1.00	0.00	H
ATOM	470	H2'1	A A	15	25.845	-19.003	73.033	1.00	0.00	H
ATOM	471	H2'2	A A	15	25.081	-19.011	74.617	1.00	0.00	H
ATOM	472	H5'1	A A	15	29.052	-17.027	72.396	1.00	0.00	H
ATOM	473	H5'2	A A	15	29.721	-18.563	72.986	1.00	0.00	H
ATOM	474	C1'	C A	16	22.101	-16.312	77.157	1.00	0.00	C
ATOM	475	N1	C A	16	21.853	-16.518	75.703	1.00	0.00	N
ATOM	476	C2	C A	16	21.057	-15.587	75.039	1.00	0.00	C
ATOM	477	O2	C A	16	20.590	-14.636	75.679	1.00	0.00	O
ATOM	478	N3	C A	16	20.818	-15.757	73.715	1.00	0.00	N
ATOM	479	C4	C A	16	21.336	-16.797	73.051	1.00	0.00	C
ATOM	480	N4	C A	16	21.073	-16.911	71.757	1.00	0.00	N
ATOM	481	C5	C A	16	22.156	-17.772	73.708	1.00	0.00	C
ATOM	482	C6	C A	16	22.386	-17.580	75.041	1.00	0.00	C
ATOM	483	C2'	C A	16	22.127	-17.603	77.963	1.00	0.00	C
ATOM	484	C3'	C A	16	23.196	-17.304	79.004	1.00	0.00	C
ATOM	485	O3'	C A	16	22.604	-16.601	80.093	1.00	0.00	O
ATOM	486	C4'	C A	16	24.191	-16.443	78.231	1.00	0.00	C
ATOM	487	O4'	C A	16	23.363	-15.685	77.293	1.00	0.00	O
ATOM	488	C5'	C A	16	25.254	-17.182	77.449	1.00	0.00	C
ATOM	489	O5'	C A	16	24.694	-18.395	76.889	1.00	0.00	O
ATOM	490	O1P	C A	16	25.932	-20.221	78.101	1.00	0.00	O
ATOM	491	O2P	C A	16	25.022	-20.636	75.801	1.00	0.00	O
ATOM	492	P	C A	16	25.627	-19.682	76.761	1.00	0.00	P
ATOM	493	H5	C A	16	22.574	-18.626	73.172	1.00	0.00	H
ATOM	494	H6	C A	16	23.010	-18.291	75.583	1.00	0.00	H
ATOM	495	H1'	C A	16	21.343	-15.627	77.539	1.00	0.00	H
ATOM	496	H3'	C A	16	23.667	-18.215	79.375	1.00	0.00	H
ATOM	497	H4'	C A	16	24.696	-15.811	78.961	1.00	0.00	H
ATOM	498	H41	C A	16	21.461	-17.702	71.221	1.00	0.00	H
ATOM	499	H42	C A	16	20.482	-16.211	71.286	1.00	0.00	H
ATOM	500	H2'1	C A	16	22.397	-18.466	77.355	1.00	0.00	H
ATOM	501	H2'2	C A	16	21.166	-17.818	78.431	1.00	0.00	H
ATOM	502	H5'1	C A	16	25.619	-16.539	76.648	1.00	0.00	H
ATOM	503	H5'2	C A	16	26.079	-17.430	78.115	1.00	0.00	H
ATOM	504	C1'	G A	17	17.523	-14.826	78.321	1.00	0.00	C

ATOM	505	N1	G A	17	16.594	-15.693	73.380	1.00	0.00	N
ATOM	506	C2	G A	17	16.194	-14.643	74.189	1.00	0.00	C
ATOM	507	N2	G A	17	15.445	-13.700	73.603	1.00	0.00	N
ATOM	508	N3	G A	17	16.516	-14.542	75.477	1.00	0.00	N
ATOM	509	C4	G A	17	17.271	-15.588	75.904	1.00	0.00	C
ATOM	510	C5	G A	17	17.714	-16.678	75.173	1.00	0.00	C
ATOM	511	C6	G A	17	17.377	-16.784	73.803	1.00	0.00	C
ATOM	512	O6	G A	17	17.671	-17.666	72.997	1.00	0.00	O
ATOM	513	N7	G A	17	18.465	-17.532	75.985	1.00	0.00	N
ATOM	514	C8	G A	17	18.456	-16.944	77.153	1.00	0.00	C
ATOM	515	N9	G A	17	17.751	-15.758	77.184	1.00	0.00	N
ATOM	516	C2'	G A	17	17.317	-15.526	79.658	1.00	0.00	C
ATOM	517	C3'	G A	17	17.994	-14.572	80.625	1.00	0.00	C
ATOM	518	O3'	G A	17	17.077	-13.543	80.988	1.00	0.00	O
ATOM	519	C4'	G A	17	19.169	-14.036	79.807	1.00	0.00	C
ATOM	520	O4'	G A	17	18.665	-13.998	78.435	1.00	0.00	O
ATOM	521	C5'	G A	17	20.436	-14.858	79.836	1.00	0.00	C
ATOM	522	O5'	G A	17	20.105	-16.269	79.867	1.00	0.00	O
ATOM	523	O1P	G A	17	20.928	-17.009	82.128	1.00	0.00	O
ATOM	524	O2P	G A	17	20.799	-18.654	80.237	1.00	0.00	O
ATOM	525	P	G A	17	21.053	-17.261	80.679	1.00	0.00	P
ATOM	526	H1	G A	17	16.297	-15.672	72.393	1.00	0.00	H
ATOM	527	H8	G A	17	18.962	-17.356	78.027	1.00	0.00	H
ATOM	528	H1'	G A	17	16.671	-14.192	78.077	1.00	0.00	H
ATOM	529	H21	G A	17	15.202	-13.783	72.606	1.00	0.00	H
ATOM	530	H3'	G A	17	18.342	-15.080	81.526	1.00	0.00	H
ATOM	531	H22	G A	17	15.112	-12.894	74.151	1.00	0.00	H
ATOM	532	H4'	G A	17	19.404	-13.048	80.202	1.00	0.00	H
ATOM	533	H2'1	G A	17	17.780	-16.514	79.683	1.00	0.00	H
ATOM	534	H2'2	G A	17	16.261	-15.655	79.899	1.00	0.00	H
ATOM	535	H5'1	G A	17	21.025	-14.637	78.946	1.00	0.00	H
ATOM	536	H5'2	G A	17	21.014	-14.594	80.722	1.00	0.00	H
ATOM	537	C1'	G A	18	12.789	-13.789	77.301	1.00	0.00	C
ATOM	538	N1	G A	18	13.476	-17.104	73.485	1.00	0.00	N
ATOM	539	C2	G A	18	12.826	-15.883	73.494	1.00	0.00	C
ATOM	540	N2	G A	18	12.284	-15.494	72.332	1.00	0.00	N
ATOM	541	N3	G A	18	12.725	-15.112	74.575	1.00	0.00	N
ATOM	542	C4	G A	18	13.322	-15.664	75.662	1.00	0.00	C
ATOM	543	C5	G A	18	13.989	-16.877	75.748	1.00	0.00	C
ATOM	544	C6	G A	18	14.101	-17.694	74.599	1.00	0.00	C
ATOM	545	O6	G A	18	14.648	-18.791	74.479	1.00	0.00	O
ATOM	546	N7	G A	18	14.459	-17.078	77.047	1.00	0.00	N
ATOM	547	C8	G A	18	14.075	-16.007	77.692	1.00	0.00	C
ATOM	548	N9	G A	18	13.377	-15.102	76.918	1.00	0.00	N
ATOM	549	C2'	G A	18	12.183	-13.772	78.697	1.00	0.00	C
ATOM	550	C3'	G A	18	12.508	-12.365	79.168	1.00	0.00	C
ATOM	551	O3'	G A	18	11.507	-11.468	78.690	1.00	0.00	O
ATOM	552	C4'	G A	18	13.872	-12.098	78.533	1.00	0.00	C
ATOM	553	O4'	G A	18	13.824	-12.825	77.264	1.00	0.00	O
ATOM	554	C5'	G A	18	15.077	-12.566	79.312	1.00	0.00	C
ATOM	555	O5'	G A	18	14.775	-13.815	79.983	1.00	0.00	O
ATOM	556	O1P	G A	18	14.856	-13.200	82.423	1.00	0.00	O
ATOM	557	O2P	G A	18	15.353	-15.551	81.704	1.00	0.00	O
ATOM	558	P	G A	18	15.435	-14.101	81.408	1.00	0.00	P

ATOM	559	H1	G A	18	13.504	-17.622	72.593	1.00	0.00	H
ATOM	560	H8	G A	18	14.285	-15.842	78.749	1.00	0.00	H
ATOM	561	H1'	G A	18	12.048	-13.516	76.550	1.00	0.00	H
ATOM	562	H21	G A	18	12.370	-16.096	71.499	1.00	0.00	H
ATOM	563	H3'	G A	18	12.561	-12.298	80.255	1.00	0.00	H
ATOM	564	H22	G A	18	11.785	-14.596	72.273	1.00	0.00	H
ATOM	565	H4'	G A	18	13.955	-11.021	78.402	1.00	0.00	H
ATOM	566	H2'1	G A	18	12.629	-14.521	79.351	1.00	0.00	H
ATOM	567	H2'2	G A	18	11.107	-13.950	78.684	1.00	0.00	H
ATOM	568	H5'1	G A	18	15.913	-12.708	78.628	1.00	0.00	H
ATOM	569	H5'2	G A	18	15.343	-11.808	80.048	1.00	0.00	H
ATOM	570	C1'	T A	19	8.596	-14.211	74.706	1.00	0.00	C
ATOM	571	N1	T A	19	9.292	-15.428	75.202	1.00	0.00	N
ATOM	572	C2	T A	19	9.550	-16.426	74.284	1.00	0.00	C
ATOM	573	O2	T A	19	9.232	-16.340	73.110	1.00	0.00	O
ATOM	574	N3	T A	19	10.199	-17.537	74.787	1.00	0.00	N
ATOM	575	C4	T A	19	10.598	-17.736	76.092	1.00	0.00	C
ATOM	576	O4	T A	19	11.171	-18.779	76.426	1.00	0.00	O
ATOM	577	C5	T A	19	10.286	-16.640	76.979	1.00	0.00	C
ATOM	578	C6	T A	19	9.654	-15.539	76.522	1.00	0.00	C
ATOM	579	C7	T A	19	10.703	-16.811	78.409	1.00	0.00	C
ATOM	580	C2'	T A	19	7.589	-13.634	75.694	1.00	0.00	C
ATOM	581	C3'	T A	19	7.732	-12.140	75.455	1.00	0.00	C
ATOM	582	O3'	T A	19	6.914	-11.760	74.351	1.00	0.00	O
ATOM	583	C4'	T A	19	9.220	-11.986	75.151	1.00	0.00	C
ATOM	584	O4'	T A	19	9.576	-13.223	74.458	1.00	0.00	O
ATOM	585	C5'	T A	19	10.136	-11.816	76.341	1.00	0.00	C
ATOM	586	O5'	T A	19	9.660	-12.627	77.444	1.00	0.00	O
ATOM	587	O1P	T A	19	8.977	-10.925	79.167	1.00	0.00	O
ATOM	588	O2P	T A	19	9.707	-13.215	79.887	1.00	0.00	O
ATOM	589	P	T A	19	9.855	-12.090	78.932	1.00	0.00	P
ATOM	590	H3	T A	19	10.406	-18.294	74.119	1.00	0.00	H
ATOM	591	H6	T A	19	9.429	-14.725	77.211	1.00	0.00	H
ATOM	592	H1'	T A	19	8.117	-14.455	73.757	1.00	0.00	H
ATOM	593	H3'	T A	19	7.447	-11.559	76.333	1.00	0.00	H
ATOM	594	H4'	T A	19	9.325	-11.100	74.522	1.00	0.00	H
ATOM	595	H71	T A	19	9.818	-16.865	79.042	1.00	0.00	H
ATOM	596	H72	T A	19	11.280	-17.731	78.510	1.00	0.00	H
ATOM	597	H73	T A	19	11.318	-15.963	78.714	1.00	0.00	H
ATOM	598	H2'1	T A	19	7.825	-13.898	76.723	1.00	0.00	H
ATOM	599	H2'2	T A	19	6.572	-13.974	75.493	1.00	0.00	H
ATOM	600	H5'1	T A	19	11.144	-12.125	76.065	1.00	0.00	H
ATOM	601	H5'2	T A	19	10.151	-10.768	76.634	1.00	0.00	H
ATOM	602	C01	LNK A	20	3.276	-10.987	74.177	0.00	0.00	C
ATOM	603	O1	LNK A	20	4.440	-11.403	74.896	1.00	0.00	O
ATOM	604	S	LNK A	20	-0.631	-10.538	74.789	0.00	0.00	S
ATOM	605	C02	LNK A	20	2.048	-11.062	75.104	0.00	0.00	C
ATOM	606	C03	LNK A	20	0.820	-11.518	74.293	0.00	0.00	C
ATOM	607	O1P	LNK A	20	5.381	-13.713	75.239	1.00	0.00	O
ATOM	608	O2P	LNK A	20	4.871	-12.896	72.921	1.00	0.00	O
ATOM	609	P	LNK A	20	5.334	-12.580	74.295	1.00	0.00	P
ATOM	610	H01	LNK A	20	3.124	-11.641	73.318	0.00	0.00	H
ATOM	611	H02	LNK A	20	3.408	-9.961	73.833	0.00	0.00	H
ATOM	612	H03	LNK A	20	0.628	-12.573	74.487	0.00	0.00	H



ATOM	613	H04	LNK	A	20	1.856	-10.079	75.534	0.00	0.00	H	
ATOM	614	H05	LNK	A	20	2.240	-11.777	75.904	0.00	0.00	H	
ATOM	615	H06	LNK	A	20	1.011	-11.372	73.230	0.00	0.00	H	
ATOM	616	AU	LNK	A	20	-1.196	-10.804	74.505				
TER												
ATOM	618	C1'		A	B	2	11.517	-23.088	69.088	1.00	0.00	C
ATOM	619	N1		A	B	2	10.797	-19.719	72.892	1.00	0.00	N
ATOM	620	C2		A	B	2	10.488	-19.693	71.600	1.00	0.00	C
ATOM	621	N3		A	B	2	10.701	-20.600	70.671	1.00	0.00	N
ATOM	622	C4		A	B	2	11.329	-21.668	71.198	1.00	0.00	C
ATOM	623	C5		A	B	2	11.713	-21.849	72.496	1.00	0.00	C
ATOM	624	C6		A	B	2	11.421	-20.797	73.390	1.00	0.00	C
ATOM	625	N6		A	B	2	11.739	-20.833	74.696	1.00	0.00	N
ATOM	626	N7		A	B	2	12.332	-23.075	72.669	1.00	0.00	N
ATOM	627	C8		A	B	2	12.314	-23.602	71.480	1.00	0.00	C
ATOM	628	N9		A	B	2	11.717	-22.807	70.536	1.00	0.00	N
ATOM	629	C2'		A	B	2	12.678	-23.830	68.441	1.00	0.00	C
ATOM	630	C3'		A	B	2	11.965	-24.729	67.444	1.00	0.00	C
ATOM	631	O3'		A	B	2	11.721	-23.996	66.245	1.00	0.00	O
ATOM	632	C4'		A	B	2	10.671	-25.087	68.175	1.00	0.00	C
ATOM	633	O4'		A	B	2	10.360	-23.894	68.963	1.00	0.00	O
ATOM	634	C5'		A	B	2	10.732	-26.278	69.102	1.00	0.00	C
ATOM	635	O5'		A	B	2	12.022	-26.319	69.764	1.00	0.00	O
ATOM	636	H2		A	B	2	9.987	-18.789	71.258	1.00	0.00	H
ATOM	637	H8		A	B	2	12.733	-24.584	71.256	1.00	0.00	H
ATOM	638	H1'		A	B	2	11.325	-22.142	68.581	1.00	0.00	H
ATOM	639	H3'		A	B	2	12.544	-25.621	67.210	1.00	0.00	H
ATOM	640	H4'		A	B	2	9.925	-25.298	67.410	1.00	0.00	H
ATOM	641	H61		A	B	2	11.501	-20.039	75.305	1.00	0.00	H
ATOM	642	H62		A	B	2	12.220	-21.657	75.085	1.00	0.00	H
ATOM	643	H2'1		A	B	2	13.251	-24.413	69.161	1.00	0.00	H
ATOM	644	H2'2		A	B	2	13.372	-23.155	67.940	1.00	0.00	H
ATOM	645	H5'1		A	B	2	9.940	-26.192	69.846	1.00	0.00	H
ATOM	646	H5'2		A	B	2	10.585	-27.188	68.524	1.00	0.00	H
ATOM	647	C1'		C	B	3	12.536	-18.489	67.519	1.00	0.00	C
ATOM	648	N1		C	B	3	13.161	-19.019	68.762	1.00	0.00	N
ATOM	649	C2		C	B	3	13.077	-18.244	69.917	1.00	0.00	C
ATOM	650	O2		C	B	3	12.488	-17.156	69.864	1.00	0.00	O
ATOM	651	N3		C	B	3	13.640	-18.709	71.058	1.00	0.00	N
ATOM	652	C4		C	B	3	14.271	-19.890	71.084	1.00	0.00	C
ATOM	653	N4		C	B	3	14.801	-20.297	72.229	1.00	0.00	N
ATOM	654	C5		C	B	3	14.379	-20.707	69.910	1.00	0.00	C
ATOM	655	C6		C	B	3	13.799	-20.221	68.771	1.00	0.00	C
ATOM	656	C2'		C	B	3	13.331	-18.785	66.256	1.00	0.00	C
ATOM	657	C3'		C	B	3	12.230	-19.015	65.233	1.00	0.00	C
ATOM	658	O3'		C	B	3	11.807	-17.757	64.710	1.00	0.00	O
ATOM	659	C4'		C	B	3	11.137	-19.693	66.058	1.00	0.00	C
ATOM	660	O4'		C	B	3	11.264	-19.095	67.387	1.00	0.00	O
ATOM	661	C5'		C	B	3	11.232	-21.195	66.192	1.00	0.00	C
ATOM	662	O5'		C	B	3	12.624	-21.590	66.291	1.00	0.00	O
ATOM	663	O1P		C	B	3	13.009	-22.899	64.175	1.00	0.00	O
ATOM	664	O2P		C	B	3	14.382	-23.385	66.219	1.00	0.00	O
ATOM	665	P		C	B	3	13.074	-22.978	65.649	1.00	0.00	P
ATOM	666	H5		C	B	3	14.898	-21.666	69.923	1.00	0.00	H

ATOM	667	H6	C B	3	13.849	-20.809	67.855	1.00	0.00	H
ATOM	668	H1'	C B	3	12.384	-17.416	67.644	1.00	0.00	H
ATOM	669	H3'	C B	3	12.558	-19.655	64.415	1.00	0.00	H
ATOM	670	H4'	C B	3	10.187	-19.464	65.575	1.00	0.00	H
ATOM	671	H41	C B	3	15.290	-21.204	72.276	1.00	0.00	H
ATOM	672	H42	C B	3	14.725	-19.708	73.071	1.00	0.00	H
ATOM	673	H2'1	C B	3	13.963	-19.666	66.362	1.00	0.00	H
ATOM	674	H2'2	C B	3	13.974	-17.953	65.968	1.00	0.00	H
ATOM	675	H5'1	C B	3	10.697	-21.509	67.089	1.00	0.00	H
ATOM	676	H5'2	C B	3	10.778	-21.662	65.321	1.00	0.00	H
ATOM	677	C1'	C B	4	13.897	-13.769	68.144	1.00	0.00	C
ATOM	678	N1	C B	4	14.723	-14.875	68.700	1.00	0.00	N
ATOM	679	C2	C B	4	15.081	-14.811	70.045	1.00	0.00	C
ATOM	680	O2	C B	4	14.700	-13.844	70.719	1.00	0.00	O
ATOM	681	N3	C B	4	15.833	-15.807	70.571	1.00	0.00	N
ATOM	682	C4	C B	4	16.232	-16.840	69.816	1.00	0.00	C
ATOM	683	N4	C B	4	16.963	-17.790	70.381	1.00	0.00	N
ATOM	684	C5	C B	4	15.883	-16.931	68.428	1.00	0.00	C
ATOM	685	C6	C B	4	15.120	-15.918	67.921	1.00	0.00	C
ATOM	686	C2'	C B	4	14.271	-13.379	66.720	1.00	0.00	C
ATOM	687	C3'	C B	4	12.916	-13.028	66.123	1.00	0.00	C
ATOM	688	O3'	C B	4	12.600	-11.676	66.442	1.00	0.00	O
ATOM	689	C4'	C B	4	11.976	-14.019	66.806	1.00	0.00	C
ATOM	690	O4'	C B	4	12.550	-14.199	68.142	1.00	0.00	O
ATOM	691	C5'	C B	4	11.840	-15.376	66.154	1.00	0.00	C
ATOM	692	O5'	C B	4	13.116	-15.786	65.603	1.00	0.00	O
ATOM	693	O1P	C B	4	12.698	-15.813	63.121	1.00	0.00	O
ATOM	694	O2P	C B	4	14.451	-17.307	64.115	1.00	0.00	O
ATOM	695	P	C B	4	13.133	-16.644	64.261	1.00	0.00	P
ATOM	696	H5	C B	4	16.211	-17.765	67.807	1.00	0.00	H
ATOM	697	H6	C B	4	14.824	-15.945	66.873	1.00	0.00	H
ATOM	698	H1'	C B	4	13.976	-12.914	68.816	1.00	0.00	H
ATOM	699	H3'	C B	4	12.903	-13.157	65.040	1.00	0.00	H
ATOM	700	H4'	C B	4	10.989	-13.558	66.826	1.00	0.00	H
ATOM	701	H41	C B	4	17.281	-18.598	69.824	1.00	0.00	H
ATOM	702	H42	C B	4	17.215	-17.722	71.379	1.00	0.00	H
ATOM	703	H2'1	C B	4	14.743	-14.197	66.178	1.00	0.00	H
ATOM	704	H2'2	C B	4	14.951	-12.528	66.690	1.00	0.00	H
ATOM	705	H5'1	C B	4	11.510	-16.099	66.899	1.00	0.00	H
ATOM	706	H5'2	C B	4	11.098	-15.316	65.359	1.00	0.00	H
ATOM	707	C1'	G B	5	16.182	-10.078	70.528	1.00	0.00	C
ATOM	708	N1	G B	5	19.151	-13.825	72.309	1.00	0.00	N
ATOM	709	C2	G B	5	18.607	-12.735	72.966	1.00	0.00	C
ATOM	710	N2	G B	5	18.894	-12.629	74.268	1.00	0.00	N
ATOM	711	N3	G B	5	17.838	-11.826	72.368	1.00	0.00	N
ATOM	712	C4	G B	5	17.659	-12.087	71.048	1.00	0.00	C
ATOM	713	C5	G B	5	18.166	-13.145	70.310	1.00	0.00	C
ATOM	714	C6	G B	5	18.978	-14.112	70.941	1.00	0.00	C
ATOM	715	O6	G B	5	19.514	-15.109	70.460	1.00	0.00	O
ATOM	716	N7	G B	5	17.748	-13.047	68.980	1.00	0.00	N
ATOM	717	C8	G B	5	17.016	-11.963	68.955	1.00	0.00	C
ATOM	718	N9	G B	5	16.917	-11.323	70.174	1.00	0.00	N
ATOM	719	C2'	G B	5	16.226	-9.011	69.444	1.00	0.00	C
ATOM	720	C3'	G B	5	14.848	-8.381	69.562	1.00	0.00	C

ATOM	721	O3'	G B	5	14.872	-7.387	70.584	1.00	0.00	O
ATOM	722	C4'	G B	5	13.962	-9.569	69.932	1.00	0.00	C
ATOM	723	O4'	G B	5	14.827	-10.423	70.746	1.00	0.00	O
ATOM	724	C5'	G B	5	13.418	-10.385	68.785	1.00	0.00	C
ATOM	725	O5'	G B	5	14.408	-10.468	67.729	1.00	0.00	O
ATOM	726	O1P	G B	5	13.349	-9.196	65.833	1.00	0.00	O
ATOM	727	O2P	G B	5	15.007	-11.015	65.351	1.00	0.00	O
ATOM	728	P	G B	5	13.913	-10.505	66.213	1.00	0.00	P
ATOM	729	H1	G B	5	19.728	-14.476	72.865	1.00	0.00	H
ATOM	730	H8	G B	5	16.530	-11.594	68.053	1.00	0.00	H
ATOM	731	H1'	G B	5	16.586	-9.699	71.467	1.00	0.00	H
ATOM	732	H21	G B	5	19.486	-13.337	74.725	1.00	0.00	H
ATOM	733	H3'	G B	5	14.523	-7.927	68.624	1.00	0.00	H
ATOM	734	H22	G B	5	18.521	-11.838	74.814	1.00	0.00	H
ATOM	735	H4'	G B	5	13.113	-9.171	70.489	1.00	0.00	H
ATOM	736	H2'1	G B	5	16.386	-9.434	68.452	1.00	0.00	H
ATOM	737	H2'2	G B	5	17.014	-8.277	69.617	1.00	0.00	H
ATOM	738	H5'1	G B	5	13.175	-11.386	69.141	1.00	0.00	H
ATOM	739	H5'2	G B	5	12.514	-9.910	68.404	1.00	0.00	H
ATOM	740	C1'	T B	6	19.608	-8.173	73.552	1.00	0.00	C
ATOM	741	N1	T B	6	20.009	-9.080	72.443	1.00	0.00	N
ATOM	742	C2	T B	6	20.820	-10.148	72.767	1.00	0.00	C
ATOM	743	O2	T B	6	21.209	-10.363	73.902	1.00	0.00	O
ATOM	744	N3	T B	6	21.168	-10.966	71.707	1.00	0.00	N
ATOM	745	C4	T B	6	20.789	-10.812	70.390	1.00	0.00	C
ATOM	746	O4	T B	6	21.166	-11.610	69.525	1.00	0.00	O
ATOM	747	C5	T B	6	19.940	-9.668	70.152	1.00	0.00	C
ATOM	748	C6	T B	6	19.581	-8.850	71.159	1.00	0.00	C
ATOM	749	C7	T B	6	19.501	-9.463	68.731	1.00	0.00	C
ATOM	750	C2'	T B	6	19.554	-6.703	73.152	1.00	0.00	C
ATOM	751	C3'	T B	6	18.374	-6.196	73.969	1.00	0.00	C
ATOM	752	O3'	T B	6	18.825	-5.855	75.278	1.00	0.00	O
ATOM	753	C4'	T B	6	17.426	-7.392	73.977	1.00	0.00	C
ATOM	754	O4'	T B	6	18.314	-8.555	73.977	1.00	0.00	O
ATOM	755	C5'	T B	6	16.479	-7.508	72.806	1.00	0.00	C
ATOM	756	O5'	T B	6	17.142	-7.064	71.595	1.00	0.00	O
ATOM	757	O1P	T B	6	15.865	-4.989	70.961	1.00	0.00	O
ATOM	758	O2P	T B	6	17.018	-6.343	69.191	1.00	0.00	O
ATOM	759	P	T B	6	16.280	-6.320	70.477	1.00	0.00	P
ATOM	760	H3	T B	6	21.772	-11.773	71.923	1.00	0.00	H
ATOM	761	H6	T B	6	18.939	-7.993	70.953	1.00	0.00	H
ATOM	762	H1'	T B	6	20.293	-8.325	74.384	1.00	0.00	H
ATOM	763	H3'	T B	6	17.906	-5.326	73.511	1.00	0.00	H
ATOM	764	H4'	T B	6	16.825	-7.314	74.883	1.00	0.00	H
ATOM	765	H71	T B	6	19.933	-8.541	68.347	1.00	0.00	H
ATOM	766	H72	T B	6	19.834	-10.304	68.122	1.00	0.00	H
ATOM	767	H73	T B	6	18.412	-9.397	68.693	1.00	0.00	H
ATOM	768	H2'1	T B	6	19.383	-6.572	72.085	1.00	0.00	H
ATOM	769	H2'2	T B	6	20.470	-6.171	73.406	1.00	0.00	H
ATOM	770	H5'1	T B	6	16.170	-8.547	72.695	1.00	0.00	H
ATOM	771	H5'2	T B	6	15.602	-6.890	72.993	1.00	0.00	H
ATOM	772	C1'	C B	7	24.008	-8.200	75.853	1.00	0.00	C
ATOM	773	N1	C B	7	23.925	-8.389	74.377	1.00	0.00	N
ATOM	774	C2	C B	7	24.586	-9.483	73.823	1.00	0.00	C

ATOM	775	O2	C B	7	25.210	-10.247	74.572	1.00	0.00	O
ATOM	776	N3	C B	7	24.523	-9.673	72.482	1.00	0.00	N
ATOM	777	C4	C B	7	23.841	-8.829	71.699	1.00	0.00	C
ATOM	778	N4	C B	7	23.811	-9.065	70.396	1.00	0.00	N
ATOM	779	C5	C B	7	23.155	-7.692	72.240	1.00	0.00	C
ATOM	780	C6	C B	7	23.228	-7.524	73.595	1.00	0.00	C
ATOM	781	C2'	C B	7	24.119	-6.743	76.279	1.00	0.00	C
ATOM	782	C3'	C B	7	23.314	-6.729	77.570	1.00	0.00	C
ATOM	783	O3'	C B	7	24.151	-7.140	78.648	1.00	0.00	O
ATOM	784	C4'	C B	7	22.200	-7.733	77.287	1.00	0.00	C
ATOM	785	O4'	C B	7	22.826	-8.733	76.422	1.00	0.00	O
ATOM	786	C5'	C B	7	20.970	-7.195	76.591	1.00	0.00	C
ATOM	787	O5'	C B	7	21.357	-6.187	75.625	1.00	0.00	O
ATOM	788	O1P	C B	7	20.357	-4.073	76.557	1.00	0.00	O
ATOM	789	O2P	C B	7	20.730	-4.301	74.088	1.00	0.00	O
ATOM	790	P	C B	7	20.379	-4.952	75.371	1.00	0.00	P
ATOM	791	H5	C B	7	22.605	-6.999	71.605	1.00	0.00	H
ATOM	792	H6	C B	7	22.716	-6.678	74.055	1.00	0.00	H
ATOM	793	H1'	C B	7	24.852	-8.782	76.224	1.00	0.00	H
ATOM	794	H3'	C B	7	22.907	-5.739	77.785	1.00	0.00	H
ATOM	795	H4'	C B	7	21.886	-8.138	78.248	1.00	0.00	H
ATOM	796	H41	C B	7	23.290	-8.432	69.770	1.00	0.00	H
ATOM	797	H42	C B	7	24.306	-9.881	70.007	1.00	0.00	H
ATOM	798	H2'1	C B	7	23.697	-6.062	75.540	1.00	0.00	H
ATOM	799	H2'2	C B	7	25.152	-6.440	76.451	1.00	0.00	H
ATOM	800	H5'1	C B	7	20.459	-8.015	76.086	1.00	0.00	H
ATOM	801	H5'2	C B	7	20.304	-6.758	77.333	1.00	0.00	H
ATOM	802	C1'	C B	8	28.771	-9.465	76.340	1.00	0.00	C
ATOM	803	N1	C B	8	28.274	-8.861	75.073	1.00	0.00	N
ATOM	804	C2	C B	8	28.564	-9.518	73.879	1.00	0.00	C
ATOM	805	O2	C B	8	29.217	-10.569	73.920	1.00	0.00	O
ATOM	806	N3	C B	8	28.121	-8.985	72.715	1.00	0.00	N
ATOM	807	C4	C B	8	27.415	-7.846	72.704	1.00	0.00	C
ATOM	808	N4	C B	8	27.004	-7.371	71.537	1.00	0.00	N
ATOM	809	C5	C B	8	27.105	-7.144	73.916	1.00	0.00	C
ATOM	810	C6	C B	8	27.559	-7.704	75.078	1.00	0.00	C
ATOM	811	C2'	C B	8	29.244	-8.441	77.364	1.00	0.00	C
ATOM	812	C3'	C B	8	28.820	-9.086	78.675	1.00	0.00	C
ATOM	813	O3'	C B	8	29.825	-10.010	79.088	1.00	0.00	O
ATOM	814	C4'	C B	8	27.513	-9.782	78.304	1.00	0.00	C
ATOM	815	O4'	C B	8	27.705	-10.197	76.914	1.00	0.00	O
ATOM	816	C5'	C B	8	26.258	-8.945	78.388	1.00	0.00	C
ATOM	817	O5'	C B	8	26.548	-7.585	77.972	1.00	0.00	O
ATOM	818	O1P	C B	8	26.215	-6.247	80.078	1.00	0.00	O
ATOM	819	O2P	C B	8	25.882	-5.167	77.838	1.00	0.00	O
ATOM	820	P	C B	8	25.772	-6.385	78.676	1.00	0.00	P
ATOM	821	H5	C B	8	26.539	-6.214	73.912	1.00	0.00	H
ATOM	822	H6	C B	8	27.343	-7.211	76.026	1.00	0.00	H
ATOM	823	H1'	C B	8	29.567	-10.167	76.093	1.00	0.00	H
ATOM	824	H3'	C B	8	28.664	-8.347	79.460	1.00	0.00	H
ATOM	825	H4'	C B	8	27.396	-10.622	78.989	1.00	0.00	H
ATOM	826	H41	C B	8	26.457	-6.498	71.500	1.00	0.00	H
ATOM	827	H42	C B	8	27.229	-7.875	70.667	1.00	0.00	H
ATOM	828	H2'1	C B	8	28.770	-7.470	77.227	1.00	0.00	H

ATOM	829	H2'2	C B	8	30.323	-8.288	77.326	1.00	0.00	H
ATOM	830	H5'1	C B	8	25.496	-9.373	77.737	1.00	0.00	H
ATOM	831	H5'2	C B	8	25.896	-8.944	79.414	1.00	0.00	H
ATOM	832	C1'	T B	9	33.201	-10.873	74.643	1.00	0.00	C
ATOM	833	N1	T B	9	32.509	-9.702	74.043	1.00	0.00	N
ATOM	834	C2	T B	9	32.377	-9.684	72.669	1.00	0.00	C
ATOM	835	O2	T B	9	32.803	-10.575	71.954	1.00	0.00	O
ATOM	836	N3	T B	9	31.726	-8.579	72.154	1.00	0.00	N
ATOM	837	C4	T B	9	31.213	-7.519	72.871	1.00	0.00	C
ATOM	838	O4	T B	9	30.651	-6.579	72.297	1.00	0.00	O
ATOM	839	C5	T B	9	31.398	-7.628	74.299	1.00	0.00	C
ATOM	840	C6	T B	9	32.026	-8.692	74.836	1.00	0.00	C
ATOM	841	C7	T B	9	30.851	-6.497	75.119	1.00	0.00	C
ATOM	842	C2'	T B	9	34.088	-10.520	75.833	1.00	0.00	C
ATOM	843	C3'	T B	9	33.910	-11.734	76.731	1.00	0.00	C
ATOM	844	O3'	T B	9	34.816	-12.756	76.323	1.00	0.00	O
ATOM	845	C4'	T B	9	32.452	-12.122	76.494	1.00	0.00	C
ATOM	846	O4'	T B	9	32.213	-11.779	75.092	1.00	0.00	O
ATOM	847	C5'	T B	9	31.421	-11.422	77.348	1.00	0.00	C
ATOM	848	O5'	T B	9	31.822	-10.047	77.567	1.00	0.00	O
ATOM	849	O1P	T B	9	32.269	-9.957	80.041	1.00	0.00	O
ATOM	850	O2P	T B	9	31.562	-7.883	78.819	1.00	0.00	O
ATOM	851	P	T B	9	31.464	-9.356	78.959	1.00	0.00	P
ATOM	852	H3	T B	9	31.612	-8.543	71.131	1.00	0.00	H
ATOM	853	H6	T B	9	32.153	-8.751	75.917	1.00	0.00	H
ATOM	854	H1'	T B	9	33.778	-11.368	73.861	1.00	0.00	H
ATOM	855	H3'	T B	9	34.087	-11.493	77.780	1.00	0.00	H
ATOM	856	H4'	T B	9	32.375	-13.194	76.689	1.00	0.00	H
ATOM	857	H71	T B	9	31.673	-5.966	75.600	1.00	0.00	H
ATOM	858	H72	T B	9	30.303	-5.810	74.473	1.00	0.00	H
ATOM	859	H73	T B	9	30.179	-6.893	75.881	1.00	0.00	H
ATOM	860	H2'1	T B	9	33.765	-9.607	76.330	1.00	0.00	H
ATOM	861	H2'2	T B	9	35.130	-10.387	75.546	1.00	0.00	H
ATOM	862	H5'1	T B	9	30.457	-11.450	76.840	1.00	0.00	H
ATOM	863	H5'2	T B	9	31.339	-11.938	78.302	1.00	0.00	H
ATOM	864	C1'	A B	10	36.712	-11.262	71.156	1.00	0.00	C
ATOM	865	N1	A B	10	34.445	-7.092	69.204	1.00	0.00	N
ATOM	866	C2	A B	10	34.925	-8.200	68.645	1.00	0.00	C
ATOM	867	N3	A B	10	35.496	-9.241	69.210	1.00	0.00	N
ATOM	868	C4	A B	10	35.566	-9.069	70.542	1.00	0.00	C
ATOM	869	C5	A B	10	35.125	-7.997	71.267	1.00	0.00	C
ATOM	870	C6	A B	10	34.529	-6.950	70.536	1.00	0.00	C
ATOM	871	N6	A B	10	34.049	-5.834	71.114	1.00	0.00	N
ATOM	872	N7	A B	10	35.366	-8.174	72.618	1.00	0.00	N
ATOM	873	C8	A B	10	35.948	-9.336	72.681	1.00	0.00	C
ATOM	874	N9	A B	10	36.100	-9.940	71.459	1.00	0.00	N
ATOM	875	C2'	A B	10	37.922	-11.589	72.020	1.00	0.00	C
ATOM	876	C3'	A B	10	37.780	-13.092	72.211	1.00	0.00	C
ATOM	877	O3'	A B	10	38.354	-13.763	71.092	1.00	0.00	O
ATOM	878	C4'	A B	10	36.264	-13.282	72.280	1.00	0.00	C
ATOM	879	O4'	A B	10	35.730	-12.254	71.386	1.00	0.00	O
ATOM	880	C5'	A B	10	35.630	-13.115	73.642	1.00	0.00	C
ATOM	881	O5'	A B	10	36.305	-12.059	74.372	1.00	0.00	O
ATOM	882	O1P	A B	10	37.390	-13.279	76.287	1.00	0.00	O

ATOM	883	O2P	A B	10	36.761	-10.862	76.533	1.00	0.00	O
ATOM	884	P	A B	10	36.449	-12.192	75.955	1.00	0.00	P
ATOM	885	H2	A B	10	34.829	-8.251	67.561	1.00	0.00	H
ATOM	886	H8	A B	10	36.282	-9.786	73.616	1.00	0.00	H
ATOM	887	H1'	A B	10	36.970	-11.283	70.097	1.00	0.00	H
ATOM	888	H3'	A B	10	38.261	-13.435	73.126	1.00	0.00	H
ATOM	889	H4'	A B	10	36.057	-14.295	71.938	1.00	0.00	H
ATOM	890	H61	A B	10	33.619	-5.099	70.533	1.00	0.00	H
ATOM	891	H62	A B	10	34.110	-5.715	72.134	1.00	0.00	H
ATOM	892	H2'1	A B	10	37.905	-11.066	72.974	1.00	0.00	H
ATOM	893	H2'2	A B	10	38.863	-11.342	71.525	1.00	0.00	H
ATOM	894	H5'1	A B	10	34.578	-12.862	73.518	1.00	0.00	H
ATOM	895	H5'2	A B	10	35.711	-14.051	74.191	1.00	0.00	H
ATOM	896	C1'	G B	11	39.052	-9.816	67.023	1.00	0.00	C
ATOM	897	N1	G B	11	37.138	-5.236	68.202	1.00	0.00	N
ATOM	898	C2	G B	11	37.228	-5.873	66.977	1.00	0.00	C
ATOM	899	N2	G B	11	36.743	-5.199	65.926	1.00	0.00	N
ATOM	900	N3	G B	11	37.755	-7.085	66.813	1.00	0.00	N
ATOM	901	C4	G B	11	38.200	-7.615	67.983	1.00	0.00	C
ATOM	902	C5	G B	11	38.159	-7.054	69.247	1.00	0.00	C
ATOM	903	C6	G B	11	37.595	-5.768	69.423	1.00	0.00	C
ATOM	904	O6	G B	11	37.470	-5.110	70.456	1.00	0.00	O
ATOM	905	N7	G B	11	38.723	-7.925	70.182	1.00	0.00	N
ATOM	906	C8	G B	11	39.079	-8.964	69.470	1.00	0.00	C
ATOM	907	N9	G B	11	38.795	-8.850	68.125	1.00	0.00	N
ATOM	908	C2'	G B	11	40.368	-10.567	67.160	1.00	0.00	C
ATOM	909	C3'	G B	11	40.010	-11.939	66.611	1.00	0.00	C
ATOM	910	O3'	G B	11	40.132	-11.922	65.192	1.00	0.00	O
ATOM	911	C4'	G B	11	38.562	-12.119	67.064	1.00	0.00	C
ATOM	912	O4'	G B	11	38.005	-10.766	67.030	1.00	0.00	O
ATOM	913	C5'	G B	11	38.357	-12.691	68.447	1.00	0.00	C
ATOM	914	O5'	G B	11	39.383	-12.194	69.341	1.00	0.00	O
ATOM	915	O1P	G B	11	40.701	-14.257	69.922	1.00	0.00	O
ATOM	916	O2P	G B	11	40.612	-12.332	71.528	1.00	0.00	O
ATOM	917	P	G B	11	39.921	-13.147	70.500	1.00	0.00	P
ATOM	918	H1	G B	11	36.706	-4.301	68.221	1.00	0.00	H
ATOM	919	H8	G B	11	39.559	-9.842	69.903	1.00	0.00	H
ATOM	920	H1'	G B	11	39.007	-9.275	66.077	1.00	0.00	H
ATOM	921	H21	G B	11	36.333	-4.263	66.060	1.00	0.00	H
ATOM	922	H3'	G B	11	40.649	-12.723	67.020	1.00	0.00	H
ATOM	923	H22	G B	11	36.782	-5.616	64.985	1.00	0.00	H
ATOM	924	H4'	G B	11	38.088	-12.792	66.351	1.00	0.00	H
ATOM	925	H2'1	G B	11	40.703	-10.629	68.196	1.00	0.00	H
ATOM	926	H2'2	G B	11	41.170	-10.106	66.582	1.00	0.00	H
ATOM	927	H5'1	G B	11	37.374	-12.397	68.814	1.00	0.00	H
ATOM	928	H5'2	G B	11	38.410	-13.778	68.394	1.00	0.00	H
ATOM	929	C1'	G B	12	40.454	-6.493	63.629	1.00	0.00	C
ATOM	930	N1	G B	12	39.750	-3.161	67.427	1.00	0.00	N
ATOM	931	C2	G B	12	39.403	-3.072	66.090	1.00	0.00	C
ATOM	932	N2	G B	12	38.786	-1.943	65.716	1.00	0.00	N
ATOM	933	N3	G B	12	39.648	-4.031	65.200	1.00	0.00	N
ATOM	934	C4	G B	12	40.284	-5.096	65.752	1.00	0.00	C
ATOM	935	C5	G B	12	40.674	-5.272	67.069	1.00	0.00	C
ATOM	936	C6	G B	12	40.410	-4.256	68.016	1.00	0.00	C

ATOM	937	O6	G B	12	40.676	-4.226	69.217	1.00	0.00	O
ATOM	938	N7	G B	12	41.301	-6.509	67.227	1.00	0.00	N
ATOM	939	C8	G B	12	41.271	-7.035	66.030	1.00	0.00	C
ATOM	940	N9	G B	12	40.669	-6.235	65.079	1.00	0.00	N
ATOM	941	C2'	G B	12	41.608	-7.227	62.959	1.00	0.00	C
ATOM	942	C3'	G B	12	40.883	-8.111	61.955	1.00	0.00	C
ATOM	943	O3'	G B	12	40.631	-7.361	60.769	1.00	0.00	O
ATOM	944	C4'	G B	12	39.597	-8.476	62.693	1.00	0.00	C
ATOM	945	O4'	G B	12	39.295	-7.295	63.500	1.00	0.00	O
ATOM	946	C5'	G B	12	39.664	-9.679	63.603	1.00	0.00	C
ATOM	947	O5'	G B	12	40.959	-9.732	64.251	1.00	0.00	O
ATOM	948	O1P	G B	12	42.000	-11.817	63.301	1.00	0.00	O
ATOM	949	O2P	G B	12	42.674	-11.004	65.577	1.00	0.00	O
ATOM	950	P	G B	12	41.605	-11.158	64.560	1.00	0.00	P
ATOM	951	H1	G B	12	39.509	-2.363	68.036	1.00	0.00	H
ATOM	952	H8	G B	12	41.684	-8.017	65.801	1.00	0.00	H
ATOM	953	H1'	G B	12	40.259	-5.540	63.138	1.00	0.00	H
ATOM	954	H21	G B	12	38.596	-1.206	66.412	1.00	0.00	H
ATOM	955	H3'	G B	12	41.459	-9.001	61.704	1.00	0.00	H
ATOM	956	H22	G B	12	38.504	-1.813	64.735	1.00	0.00	H
ATOM	957	H4'	G B	12	38.842	-8.675	61.933	1.00	0.00	H
ATOM	958	H2'1	G B	12	42.187	-7.822	63.666	1.00	0.00	H
ATOM	959	H2'2	G B	12	42.299	-6.546	62.462	1.00	0.00	H
ATOM	960	H5'1	G B	12	38.878	-9.603	64.355	1.00	0.00	H
ATOM	961	H5'2	G B	12	39.509	-10.583	63.013	1.00	0.00	H
ATOM	962	C1'	T B	13	41.479	-1.924	62.025	1.00	0.00	C
ATOM	963	N1	T B	13	42.099	-2.434	63.276	1.00	0.00	N
ATOM	964	C2	T B	13	41.995	-1.640	64.401	1.00	0.00	C
ATOM	965	O2	T B	13	41.427	-0.561	64.395	1.00	0.00	O
ATOM	966	N3	T B	13	42.584	-2.152	65.541	1.00	0.00	N
ATOM	967	C4	T B	13	43.251	-3.354	65.654	1.00	0.00	C
ATOM	968	O4	T B	13	43.743	-3.707	66.732	1.00	0.00	O
ATOM	969	C5	T B	13	43.307	-4.115	64.427	1.00	0.00	C
ATOM	970	C6	T B	13	42.743	-3.647	63.297	1.00	0.00	C
ATOM	971	C7	T B	13	44.021	-5.431	64.503	1.00	0.00	C
ATOM	972	C2'	T B	13	42.284	-2.237	60.768	1.00	0.00	C
ATOM	973	C3'	T B	13	41.188	-2.484	59.743	1.00	0.00	C
ATOM	974	O3'	T B	13	40.768	-1.235	59.199	1.00	0.00	O
ATOM	975	C4'	T B	13	40.092	-3.152	60.571	1.00	0.00	C
ATOM	976	O4'	T B	13	40.210	-2.534	61.892	1.00	0.00	O
ATOM	977	C5'	T B	13	40.189	-4.652	60.728	1.00	0.00	C
ATOM	978	O5'	T B	13	41.581	-5.043	60.839	1.00	0.00	O
ATOM	979	O1P	T B	13	41.981	-6.379	58.746	1.00	0.00	O
ATOM	980	O2P	T B	13	43.343	-6.834	60.804	1.00	0.00	O
ATOM	981	P	T B	13	42.038	-6.439	60.220	1.00	0.00	P
ATOM	982	H3	T B	13	42.517	-1.578	66.395	1.00	0.00	H
ATOM	983	H6	T B	13	42.799	-4.239	62.384	1.00	0.00	H
ATOM	984	H1'	T B	13	41.325	-0.850	62.131	1.00	0.00	H
ATOM	985	H3'	T B	13	41.524	-3.134	58.936	1.00	0.00	H
ATOM	986	H4'	T B	13	39.145	-2.931	60.078	1.00	0.00	H
ATOM	987	H71	T B	13	44.918	-5.395	63.886	1.00	0.00	H
ATOM	988	H72	T B	13	44.301	-5.634	65.538	1.00	0.00	H
ATOM	989	H73	T B	13	43.364	-6.224	64.143	1.00	0.00	H
ATOM	990	H2'1	T B	13	42.916	-3.115	60.892	1.00	0.00	H

ATOM	991	H2'2	T B	13	42.926	-1.408	60.471	1.00	0.00	H
ATOM	992	H5'1	T B	13	39.647	-4.953	61.623	1.00	0.00	H
ATOM	993	H5'2	T B	13	39.742	-5.132	59.859	1.00	0.00	H
ATOM	994	C1'	G B	14	42.842	2.807	62.671	1.00	0.00	C
ATOM	995	N1	G B	14	45.156	0.993	66.841	1.00	0.00	N
ATOM	996	C2	G B	14	44.416	2.150	66.668	1.00	0.00	C
ATOM	997	N2	G B	14	44.275	2.927	67.747	1.00	0.00	N
ATOM	998	N3	G B	14	43.861	2.501	65.509	1.00	0.00	N
ATOM	999	C4	G B	14	44.110	1.600	64.522	1.00	0.00	C
ATOM	1000	C5	G B	14	44.839	0.426	64.601	1.00	0.00	C
ATOM	1001	C6	G B	14	45.426	0.049	65.831	1.00	0.00	C
ATOM	1002	O6	G B	14	46.101	-0.946	66.097	1.00	0.00	O
ATOM	1003	N7	G B	14	44.860	-0.215	63.360	1.00	0.00	N
ATOM	1004	C8	G B	14	44.157	0.574	62.586	1.00	0.00	C
ATOM	1005	N9	G B	14	43.669	1.698	63.221	1.00	0.00	N
ATOM	1006	C2'	G B	14	43.208	3.197	61.246	1.00	0.00	C
ATOM	1007	C3'	G B	14	41.854	3.551	60.654	1.00	0.00	C
ATOM	1008	O3'	G B	14	41.541	4.904	60.978	1.00	0.00	O
ATOM	1009	C4'	G B	14	40.915	2.561	61.341	1.00	0.00	C
ATOM	1010	O4'	G B	14	41.493	2.380	62.672	1.00	0.00	O
ATOM	1011	C5'	G B	14	40.772	1.207	60.686	1.00	0.00	C
ATOM	1012	O5'	G B	14	42.045	0.794	60.130	1.00	0.00	O
ATOM	1013	O1P	G B	14	41.617	0.771	57.650	1.00	0.00	O
ATOM	1014	O2P	G B	14	43.371	-0.729	58.634	1.00	0.00	O
ATOM	1015	P	G B	14	42.053	-0.064	58.786	1.00	0.00	P
ATOM	1016	H1	G B	14	45.538	0.809	67.781	1.00	0.00	H
ATOM	1017	H8	G B	14	43.973	0.361	61.533	1.00	0.00	H
ATOM	1018	H1'	G B	14	42.923	3.660	63.344	1.00	0.00	H
ATOM	1019	H21	G B	14	44.706	2.646	68.642	1.00	0.00	H
ATOM	1020	H3'	G B	14	41.835	3.424	59.572	1.00	0.00	H
ATOM	1021	H22	G B	14	43.739	3.804	67.685	1.00	0.00	H
ATOM	1022	H4'	G B	14	39.928	3.025	61.365	1.00	0.00	H
ATOM	1023	H2'1	G B	14	43.678	2.379	60.700	1.00	0.00	H
ATOM	1024	H2'2	G B	14	43.891	4.047	61.213	1.00	0.00	H
ATOM	1025	H5'1	G B	14	40.444	0.483	61.431	1.00	0.00	H
ATOM	1026	H5'2	G B	14	40.027	1.269	59.895	1.00	0.00	H
ATOM	1027	C1'	C B	15	45.126	6.498	65.056	1.00	0.00	C
ATOM	1028	N1	C B	15	45.861	5.252	64.707	1.00	0.00	N
ATOM	1029	C2	C B	15	46.564	4.604	65.720	1.00	0.00	C
ATOM	1030	O2	C B	15	46.548	5.087	66.861	1.00	0.00	O
ATOM	1031	N3	C B	15	47.241	3.467	65.425	1.00	0.00	N
ATOM	1032	C4	C B	15	47.240	2.970	64.182	1.00	0.00	C
ATOM	1033	N4	C B	15	47.915	1.855	63.948	1.00	0.00	N
ATOM	1034	C5	C B	15	46.529	3.618	63.117	1.00	0.00	C
ATOM	1035	C6	C B	15	45.851	4.757	63.440	1.00	0.00	C
ATOM	1036	C2'	C B	15	45.175	7.564	63.970	1.00	0.00	C
ATOM	1037	C3'	C B	15	43.795	8.194	64.079	1.00	0.00	C
ATOM	1038	O3'	C B	15	43.814	9.190	65.101	1.00	0.00	O
ATOM	1039	C4'	C B	15	42.909	7.006	64.450	1.00	0.00	C
ATOM	1040	O4'	C B	15	43.769	6.152	65.267	1.00	0.00	O
ATOM	1041	C5'	C B	15	42.370	6.187	63.298	1.00	0.00	C
ATOM	1042	O5'	C B	15	43.365	6.105	62.249	1.00	0.00	O
ATOM	1043	O1P	C B	15	42.314	7.373	60.345	1.00	0.00	O
ATOM	1044	O2P	C B	15	43.975	5.554	59.872	1.00	0.00	O



ATOM	1045	P	C B	15	42.878	6.064	60.730	1.00	0.00	P
ATOM	1046	H5	C B	15	46.532	3.220	62.102	1.00	0.00	H
ATOM	1047	H6	C B	15	45.291	5.283	62.666	1.00	0.00	H
ATOM	1048	H1'	C B	15	45.526	6.879	65.995	1.00	0.00	H
ATOM	1049	H3'	C B	15	43.476	8.645	63.141	1.00	0.00	H
ATOM	1050	H4'	C B	15	42.057	7.405	64.999	1.00	0.00	H
ATOM	1051	H41	C B	15	47.929	1.448	63.001	1.00	0.00	H
ATOM	1052	H42	C B	15	48.427	1.392	64.715	1.00	0.00	H
ATOM	1053	H2'1	C B	15	45.339	7.139	62.980	1.00	0.00	H
ATOM	1054	H2'2	C B	15	45.961	8.298	64.145	1.00	0.00	H
ATOM	1055	H5'1	C B	15	42.125	5.187	63.656	1.00	0.00	H
ATOM	1056	H5'2	C B	15	41.467	6.662	62.913	1.00	0.00	H
ATOM	1057	C1'	G B	16	48.565	8.382	68.078	1.00	0.00	C
ATOM	1058	N1	G B	16	51.192	4.212	66.764	1.00	0.00	N
ATOM	1059	C2	G B	16	51.038	4.812	68.001	1.00	0.00	C
ATOM	1060	N2	G B	16	51.670	4.221	69.025	1.00	0.00	N
ATOM	1061	N3	G B	16	50.312	5.910	68.203	1.00	0.00	N
ATOM	1062	C4	G B	16	49.750	6.373	67.056	1.00	0.00	C
ATOM	1063	C5	G B	16	49.852	5.846	65.780	1.00	0.00	C
ATOM	1064	C6	G B	16	50.619	4.678	65.566	1.00	0.00	C
ATOM	1065	O6	G B	16	50.826	4.066	64.517	1.00	0.00	O
ATOM	1066	N7	G B	16	49.124	6.624	64.876	1.00	0.00	N
ATOM	1067	C8	G B	16	48.614	7.575	65.616	1.00	0.00	C
ATOM	1068	N9	G B	16	48.951	7.491	66.952	1.00	0.00	N
ATOM	1069	C2'	G B	16	48.510	9.857	67.703	1.00	0.00	C
ATOM	1070	C3'	G B	16	47.342	10.355	68.540	1.00	0.00	C
ATOM	1071	O3'	G B	16	47.807	10.674	69.849	1.00	0.00	O
ATOM	1072	C4'	G B	16	46.391	9.160	68.541	1.00	0.00	C
ATOM	1073	O4'	G B	16	47.276	7.995	68.514	1.00	0.00	O
ATOM	1074	C5'	G B	16	45.431	9.065	67.378	1.00	0.00	C
ATOM	1075	O5'	G B	16	46.080	9.527	66.168	1.00	0.00	O
ATOM	1076	O1P	G B	16	44.801	11.613	65.580	1.00	0.00	O
ATOM	1077	O2P	G B	16	45.931	10.285	63.777	1.00	0.00	O
ATOM	1078	P	G B	16	45.208	10.290	65.072	1.00	0.00	P
ATOM	1079	H1	G B	16	51.771	3.359	66.718	1.00	0.00	H
ATOM	1080	H8	G B	16	47.980	8.364	65.213	1.00	0.00	H
ATOM	1081	H1'	G B	16	49.261	8.214	68.901	1.00	0.00	H
ATOM	1082	H21	G B	16	52.227	3.371	68.862	1.00	0.00	H
ATOM	1083	H3'	G B	16	46.870	11.234	68.100	1.00	0.00	H
ATOM	1084	H22	G B	16	51.597	4.621	69.971	1.00	0.00	H
ATOM	1085	H4'	G B	16	45.801	9.225	69.455	1.00	0.00	H
ATOM	1086	H2'1	G B	16	48.328	10.006	66.638	1.00	0.00	H
ATOM	1087	H2'2	G B	16	49.431	10.383	67.954	1.00	0.00	H
ATOM	1088	H5'1	G B	16	45.118	8.029	67.257	1.00	0.00	H
ATOM	1089	H5'2	G B	16	44.557	9.682	67.586	1.00	0.00	H
ATOM	1090	C1'	G B	17	52.951	8.376	70.378	1.00	0.00	C
ATOM	1091	N1	G B	17	54.368	5.452	66.445	1.00	0.00	N
ATOM	1092	C2	G B	17	54.652	5.326	67.794	1.00	0.00	C
ATOM	1093	N2	G B	17	55.415	4.282	68.139	1.00	0.00	N
ATOM	1094	N3	G B	17	54.207	6.171	68.721	1.00	0.00	N
ATOM	1095	C4	G B	17	53.457	7.171	68.191	1.00	0.00	C
ATOM	1096	C5	G B	17	53.126	7.379	66.864	1.00	0.00	C
ATOM	1097	C6	G B	17	53.593	6.481	65.879	1.00	0.00	C
ATOM	1098	O6	G B	17	53.408	6.497	64.661	1.00	0.00	O

ATOM	1099	N7	G B	17	52.335	8.523	66.736	1.00	0.00	N
ATOM	1100	C8	G B	17	52.212	8.960	67.963	1.00	0.00	C
ATOM	1101	N9	G B	17	52.866	8.192	68.903	1.00	0.00	N
ATOM	1102	C2'	G B	17	53.060	9.832	70.809	1.00	0.00	C
ATOM	1103	C3'	G B	17	52.257	9.841	72.101	1.00	0.00	C
ATOM	1104	O3'	G B	17	53.098	9.428	73.176	1.00	0.00	O
ATOM	1105	C4'	G B	17	51.146	8.833	71.818	1.00	0.00	C
ATOM	1106	O4'	G B	17	51.773	7.838	70.949	1.00	0.00	O
ATOM	1107	C5'	G B	17	49.914	9.370	71.128	1.00	0.00	C
ATOM	1108	O5'	G B	17	50.294	10.381	70.163	1.00	0.00	O
ATOM	1109	O1P	G B	17	49.291	12.489	71.106	1.00	0.00	O
ATOM	1110	O2P	G B	17	49.657	12.272	68.633	1.00	0.00	O
ATOM	1111	P	G B	17	49.312	11.616	69.918	1.00	0.00	P
ATOM	1112	H1	G B	17	54.757	4.739	65.808	1.00	0.00	H
ATOM	1113	H8	G B	17	51.643	9.853	68.220	1.00	0.00	H
ATOM	1114	H1'	G B	17	53.796	7.795	70.746	1.00	0.00	H
ATOM	1115	H21	G B	17	55.753	3.629	67.417	1.00	0.00	H
ATOM	1116	H3'	G B	17	51.848	10.827	72.321	1.00	0.00	H
ATOM	1117	H22	G B	17	55.664	4.132	69.128	1.00	0.00	H
ATOM	1118	H4'	G B	17	50.837	8.424	72.779	1.00	0.00	H
ATOM	1119	H2'1	G B	17	52.633	10.514	70.073	1.00	0.00	H
ATOM	1120	H2'2	G B	17	54.091	10.138	70.980	1.00	0.00	H
ATOM	1121	H5'1	G B	17	49.402	8.551	70.621	1.00	0.00	H
ATOM	1122	H5'2	G B	17	49.246	9.803	71.873	1.00	0.00	H
ATOM	1123	C1'	C B	18	57.715	7.110	70.866	1.00	0.00	C
ATOM	1124	N1	C B	18	57.217	7.714	69.599	1.00	0.00	N
ATOM	1125	C2	C B	18	57.507	7.057	68.406	1.00	0.00	C
ATOM	1126	O2	C B	18	58.160	6.007	68.446	1.00	0.00	O
ATOM	1127	N3	C B	18	57.064	7.591	67.242	1.00	0.00	N
ATOM	1128	C4	C B	18	56.359	8.730	67.233	1.00	0.00	C
ATOM	1129	N4	C B	18	55.949	9.205	66.065	1.00	0.00	N
ATOM	1130	C5	C B	18	56.049	9.427	68.444	1.00	0.00	C
ATOM	1131	C6	C B	18	56.503	8.870	69.603	1.00	0.00	C
ATOM	1132	C2'	C B	18	58.188	8.134	71.890	1.00	0.00	C
ATOM	1133	C3'	C B	18	57.764	7.490	73.201	1.00	0.00	C
ATOM	1134	O3'	C B	18	58.768	6.566	73.615	1.00	0.00	O
ATOM	1135	C4'	C B	18	56.457	6.794	72.830	1.00	0.00	C
ATOM	1136	O4'	C B	18	56.649	6.378	71.441	1.00	0.00	O
ATOM	1137	C5'	C B	18	55.202	7.631	72.915	1.00	0.00	C
ATOM	1138	O5'	C B	18	55.493	8.990	72.498	1.00	0.00	O
ATOM	1139	O1P	C B	18	55.159	10.328	74.604	1.00	0.00	O
ATOM	1140	O2P	C B	18	54.825	11.410	72.364	1.00	0.00	O
ATOM	1141	P	C B	18	54.714	10.191	73.202	1.00	0.00	P
ATOM	1142	H5	C B	18	55.479	10.356	68.440	1.00	0.00	H
ATOM	1143	H6	C B	18	56.288	9.364	70.550	1.00	0.00	H
ATOM	1144	H1'	C B	18	58.510	6.408	70.619	1.00	0.00	H
ATOM	1145	H3'	C B	18	57.608	8.229	73.986	1.00	0.00	H
ATOM	1146	H4'	C B	18	56.340	5.952	73.514	1.00	0.00	H
ATOM	1147	H41	C B	18	55.403	10.079	66.029	1.00	0.00	H
ATOM	1148	H42	C B	18	56.173	8.701	65.196	1.00	0.00	H
ATOM	1149	H2'1	C B	18	57.714	9.105	71.753	1.00	0.00	H
ATOM	1150	H2'2	C B	18	59.266	8.287	71.852	1.00	0.00	H
ATOM	1151	H5'1	C B	18	54.440	7.203	72.264	1.00	0.00	H
ATOM	1152	H5'2	C B	18	54.840	7.631	73.941	1.00	0.00	H

ATOM	1153	C1'	C B	19	62.142	5.705	69.147	1.00	0.00	C
ATOM	1154	N1	C B	19	61.444	6.885	68.567	1.00	0.00	N
ATOM	1155	C2	C B	19	61.291	6.938	67.182	1.00	0.00	C
ATOM	1156	O2	C B	19	61.736	6.009	66.497	1.00	0.00	O
ATOM	1157	N3	C B	19	60.658	8.004	66.635	1.00	0.00	N
ATOM	1158	C4	C B	19	60.187	8.994	67.406	1.00	0.00	C
ATOM	1159	N4	C B	19	59.577	10.011	66.819	1.00	0.00	N
ATOM	1160	C5	C B	19	60.332	8.966	68.829	1.00	0.00	C
ATOM	1161	C6	C B	19	60.971	7.884	69.358	1.00	0.00	C
ATOM	1162	C2'	C B	19	63.037	6.043	70.330	1.00	0.00	C
ATOM	1163	C3'	C B	19	62.866	4.819	71.217	1.00	0.00	C
ATOM	1164	O3'	C B	19	63.766	3.799	70.787	1.00	0.00	O
ATOM	1165	C4'	C B	19	61.406	4.434	70.987	1.00	0.00	C
ATOM	1166	O4'	C B	19	61.151	4.797	69.592	1.00	0.00	O
ATOM	1167	C5'	C B	19	60.384	5.128	71.859	1.00	0.00	C
ATOM	1168	O5'	C B	19	60.788	6.500	72.092	1.00	0.00	O
ATOM	1169	O1P	C B	19	61.259	6.557	74.563	1.00	0.00	O
ATOM	1170	O2P	C B	19	60.545	8.647	73.373	1.00	0.00	O
ATOM	1171	P	C B	19	60.446	7.172	73.496	1.00	0.00	P
ATOM	1172	H5	C B	19	59.953	9.769	69.460	1.00	0.00	H
ATOM	1173	H6	C B	19	61.103	7.816	70.438	1.00	0.00	H
ATOM	1174	H1'	C B	19	62.709	5.221	68.352	1.00	0.00	H
ATOM	1175	H3'	C B	19	63.052	5.046	72.266	1.00	0.00	H
ATOM	1176	H4'	C B	19	61.327	3.363	71.169	1.00	0.00	H
ATOM	1177	H41	C B	19	59.203	10.786	67.386	1.00	0.00	H
ATOM	1178	H42	C B	19	59.474	10.029	65.792	1.00	0.00	H
ATOM	1179	H2'1	C B	19	62.722	6.950	70.843	1.00	0.00	H
ATOM	1180	H2'2	C B	19	64.079	6.177	70.036	1.00	0.00	H
ATOM	1181	H5'1	C B	19	59.416	5.107	71.360	1.00	0.00	H
ATOM	1182	H5'2	C B	19	60.309	4.599	72.808	1.00	0.00	H
ATOM	1183	C1'	T B	20	65.656	5.315	65.683	1.00	0.00	C
ATOM	1184	N1	T B	20	65.046	6.637	65.985	1.00	0.00	N
ATOM	1185	C2	T B	20	64.565	7.367	64.917	1.00	0.00	C
ATOM	1186	O2	T B	20	64.623	6.970	63.765	1.00	0.00	O
ATOM	1187	N3	T B	20	64.007	8.588	65.242	1.00	0.00	N
ATOM	1188	C4	T B	20	63.892	9.129	66.504	1.00	0.00	C
ATOM	1189	O4	T B	20	63.372	10.239	66.673	1.00	0.00	O
ATOM	1190	C5	T B	20	64.422	8.294	67.554	1.00	0.00	C
ATOM	1191	C6	T B	20	64.973	7.097	67.276	1.00	0.00	C
ATOM	1192	C7	T B	20	64.317	8.843	68.947	1.00	0.00	C
ATOM	1193	C2'	T B	20	66.869	4.987	66.545	1.00	0.00	C
ATOM	1194	C3'	T B	20	66.722	3.486	66.740	1.00	0.00	C
ATOM	1195	O3'	T B	20	67.296	2.810	65.624	1.00	0.00	O
ATOM	1196	C4'	T B	20	65.209	3.298	66.815	1.00	0.00	C
ATOM	1197	O4'	T B	20	64.674	4.323	65.918	1.00	0.00	O
ATOM	1198	C5'	T B	20	64.577	3.469	68.176	1.00	0.00	C
ATOM	1199	O5'	T B	20	65.255	4.526	68.902	1.00	0.00	O
ATOM	1200	O1P	T B	20	66.343	3.313	70.818	1.00	0.00	O
ATOM	1201	O2P	T B	20	65.716	5.730	71.058	1.00	0.00	O
ATOM	1202	P	T B	20	65.402	4.399	70.484	1.00	0.00	P
ATOM	1203	H3	T B	20	63.640	9.152	64.463	1.00	0.00	H
ATOM	1204	H6	T B	20	65.366	6.484	68.086	1.00	0.00	H
ATOM	1205	H1'	T B	20	65.911	5.289	64.623	1.00	0.00	H
ATOM	1206	H3'	T B	20	67.207	3.145	67.655	1.00	0.00	H

